

Ground-Water Levels in the United States, 1963-67

Northeastern States

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 1977

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



UNITED STATES DEPARTMENT OF THE INTERIOR

WALTER J. HICKEL, *Secretary*

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PREFACE

This report was prepared by the U.S. Geological Survey in co-operation with the States of Connecticut, Delaware, Indiana, Maine, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, and Vermont, and with other agencies, by personnel of the Water Resources Division, E. L. Hendricks, chief hydrologist, G. W. Whetstone, assistant chief for Reports and Data Processing, under the general direction of G. A. Billingsley, chief, Reports Section, and B. A. Anderson, chief, Data Reports Unit.

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CONTENTS

| | Page |
|--------------------|------|
| Introduction..... | 1 |
| Connecticut..... | 3 |
| Delaware | 12 |
| Indiana | 16 |
| Maine..... | 59 |
| Massachusetts..... | 71 |
| Michigan..... | 80 |
| New Hampshire..... | 114 |
| New Jersey..... | 118 |
| New York..... | 137 |
| Ohio..... | 163 |
| Pennsylvania..... | 195 |
| Rhode Island..... | 228 |
| Vermont..... | 235 |

ILLUSTRATIONS

| | |
|--|-----|
| Figure 1. Outline map of the United States showing States included in this volume | 2 |
| 2-14. Location of observation wells, 1963-67 in..... | |
| 2. Connecticut..... | 4 |
| 3. Delaware | 13 |
| 4. Indiana | 17 |
| 5. Maine..... | 60 |
| 6. Massachusetts | 72 |
| 7. Michigan..... | 82 |
| 8. New Hampshire..... | 115 |
| 9. New Jersey | 119 |
| 10. New York..... | 138 |
| 11. Ohio..... | 164 |
| 12. Pennsylvania | 196 |
| 13. Rhode Island..... | 229 |
| 14. Vermont..... | 236 |

GROUND-WATER LEVELS IN THE UNITED STATES 1963-67

NORTHEASTERN STATES

INTRODUCTION

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, five volumes were issued as Water-Supply Papers 777, 817, 840, 845, and 886. From 1940 through 1955, six volumes, each for a separate section of the United States as shown in figure 1, were published annually. Beginning in 1956, the annual series was changed to provide for 5 years of record in one volume for each of the six sections. The calendar years 1956-60 span a transition period in which four of the volumes contain 1 to 4 years of record. See table on following page for the number of the water-supply paper containing records by year and section.

Beginning in 1956, only water-level data from a basic network of observation wells has been published. This 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.

Each well is identified by means of (1) a local number that is provided for continuity with older reports and for other use as dictated by local needs, and (2) a code number that is based on the universal system of latitude and longitude. The latter number serves not only to identify the well but also to locate it as a point on a map. For maximum utility, latitude and longitude code numbers are determined to seconds in order that each well may have a unique number.

The first six digits represent degrees, minutes, and seconds of latitude; "N" refers to north latitude and is used to break up the string of numbers; the next seven digits are degrees, minutes, and seconds of west longitude; and the number after the decimal point is a sequential number assigned in the order in which the wells are located in a 1-second square quadrangle.

A well spotted on a map may be assigned a precise code number even though the map location may not represent the accurate location of the well on the ground. Judgment as to the accuracy of the well location is indicated as follows:

1. Both field location and map spotting are accurate to nearest second of latitude and longitude: Coordinates to seconds are used but with no underscoring.
2. Not accurate to nearest seconds but accurate to better than 10 seconds of latitude and longitude: Coordinates to the nearest second are used, but 1-second digits are underscored.
3. Accurate to nearest 10 seconds of latitude and longitude: Coordinates to nearest 10 seconds are used, but 10-second digits are underscored.
4. Accurate to nearest minute: Seconds of latitude and longitude are used but digits for minutes are underscored.
5. Where map scales permit determination only to minutes, zeros for seconds of latitude and longitude are used and digits for minutes are underscored.

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 used, and so long as it is not changed, the measurements at each well will be consistent.

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).

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 by the Water Resources Division of the Geological Survey under the direction of personnel listed in the Preface.

Numbers of water-supply papers containing records of water levels in the United States, 1940-67

| 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 | 1770 |
| 1957-61 | .... | .... | 1781 | .... | .... | .... |
| 1958-62 | 1782 | .... | .... | .... | .... | .... |
| 1959-63 | .... | 1803 | .... | .... | .... | .... |
| 1960-64 | .... | .... | .... | 1824 | .... | .... |
| 1961-65 | .... | .... | .... | .... | 1845 | 1855 |
| 1962-66 | .... | .... | 1976 | .... | .... | .... |
| 1963-67 | 1977 | .... | .... | .... | .... | .... |

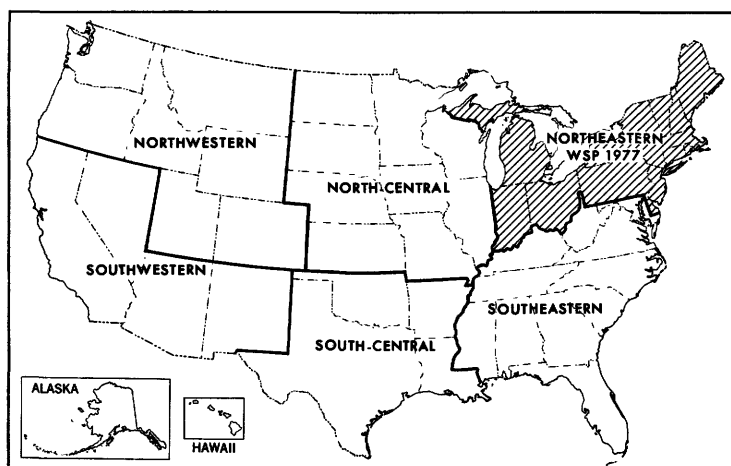


Figure 1.--Outline map of the United States showing States included in this volume.

CONNECTICUT

The observation-well program in Connecticut was continued during the period 1963 through 1967 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 a well-code numbering system based on latitude and longitude.

Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum, except for wells NHn 131 and NHn 183 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

414848N0723040.1. Local number M 84. George Bryan. 179 Tolland Turnpike, Manchester. 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, 1949-63. Measurement discontinued. Jan. 31, 1963, 14.49; Feb. 27, 14.58; Mar. 27, 13.46.

413940N0723820.1. Local number RH 44. Charles Yeager. 1 Pratt St., Rocky Hill. Drilled unused artesian 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 51.57 below lsd, Oct. 28, 1963. Records available: 1954-65. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 31, 1963 | 47.83 | Sept. 25, 1963 | 51.47 | May 25, 1964 | 47.38 | Dec. 30, 1964 | 50.18 |
| Feb. 27 | 47.91 | Oct. 28 | 51.57 | June 26 | 48.43 | Jan. 26, 1965 | 49.54 |
| Mar. 27 | 49.87 | Nov. 26 | 51.51 | July 28 | 49.00 | Feb. 23 | 50.00 |
| Apr. 26 | 49.48 | Dec. 26 | 50.54 | Aug. 26 | 49.47 | Mar. 29 | 48.74 |
| May 27 | 50.10 | Jan. 30, 1964 | 50.06 | Sept. 29 | 50.39 | Apr. 28 | 48.59 |
| June 27 | 50.00 | Feb. 25 | 48.92 | Oct. 27 | 50.80 | May 26 | 48.63 |
| July 29 | 50.31 | Apr. 1 | 47.66 | Nov. 25 | 50.92 | June 29 | 49.28 |
| Aug. 26 | 50.82 | 27 | 46.87 | | | | |

413548N0725418.1. Local number S 16. Mrs. Stephan Suchar. West Center St. Extension, Southington. Drilled domestic artesian well in New Haven Arkose of Late Triassic age, diam 6 in, depth 98 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: 1956-63. Measurement discontinued. Jan. 28, 1963, 8.44; Feb. 28, 8.50; Mar. 25, 5.55.

413410N0725230.1. Local number S 96. Robert Brayfield. South End Rd., Southington. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 11 ft, lined with stone. Lsd about 120 ft above msl. MP top of concrete curbing, 0.20 ft above lsd. Highest water level 4.03 below lsd, Apr. 3, 1959; lowest 9.16 below lsd, July 30, 1962. Records available: 1956-63. Measurement discontinued. Jan. 28, 1963, 7.68; Feb. 28, 8.55.

414942N0724930.1. Local number Si 45. Charles Rowe. College Highway, Westogue, Simsbury. Dug unused water-table well in glacial gravel of Pleistocene age, diam 36 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, 1953-63. Measurement discontinued. Jan. 31, 1963, 12.85; Feb. 27, 12.96; Mar. 27, 11.29.

414910N0723721.1. Local number SW 64. Robert S. Starr, Jr. Main St., South Windsor. 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 15.22 below lsd, Jan. 26, 1966. Records available: 1934-39, 1948-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 31, 1963 | 12.96 | Nov. 26, 1963 | 14.63 | Sept. 28 | 14.09 | July 27, 1965 | 14.35 |
| Feb. 27 | 13.09 | Dec. 26 | 14.62 | Oct. 26 | 14.27 | Aug. 30 | 14.68 |
| Mar. 27 | 11.87 | Jan. 29, 1964 | 13.86 | Nov. 24 | 14.48 | Sept. 28 | 14.84 |
| Apr. 26 | 12.46 | Feb. 26 | 13.48 | Dec. 28 | 14.57 | Oct. 28 | 14.94 |
| May 27 | 12.95 | Mar. 30 | 12.84 | Jan. 26, 1965 | 14.35 | Nov. 24 | 15.08 |
| June 27 | 13.49 | Apr. 27 | 12.29 | Feb. 23 | 13.64 | Dec. 29 | 15.17 |
| July 29 | 13.82 | May 25 | 12.44 | Mar. 29 | 13.24 | Jan. 26, 1966 | 15.22 |
| Aug. 26 | 14.08 | June 25 | 13.02 | Apr. 28 | 13.31 | Feb. 24 | 14.65 |
| Sept. 25 | 14.34 | July 27 | 13.40 | May 26 | 13.63 | Mar. 30 | 14.00 |
| Oct. 28 | 14.50 | Aug. 25 | 13.74 | June 29 | 14.00 | Apr. 27 | 13.99 |

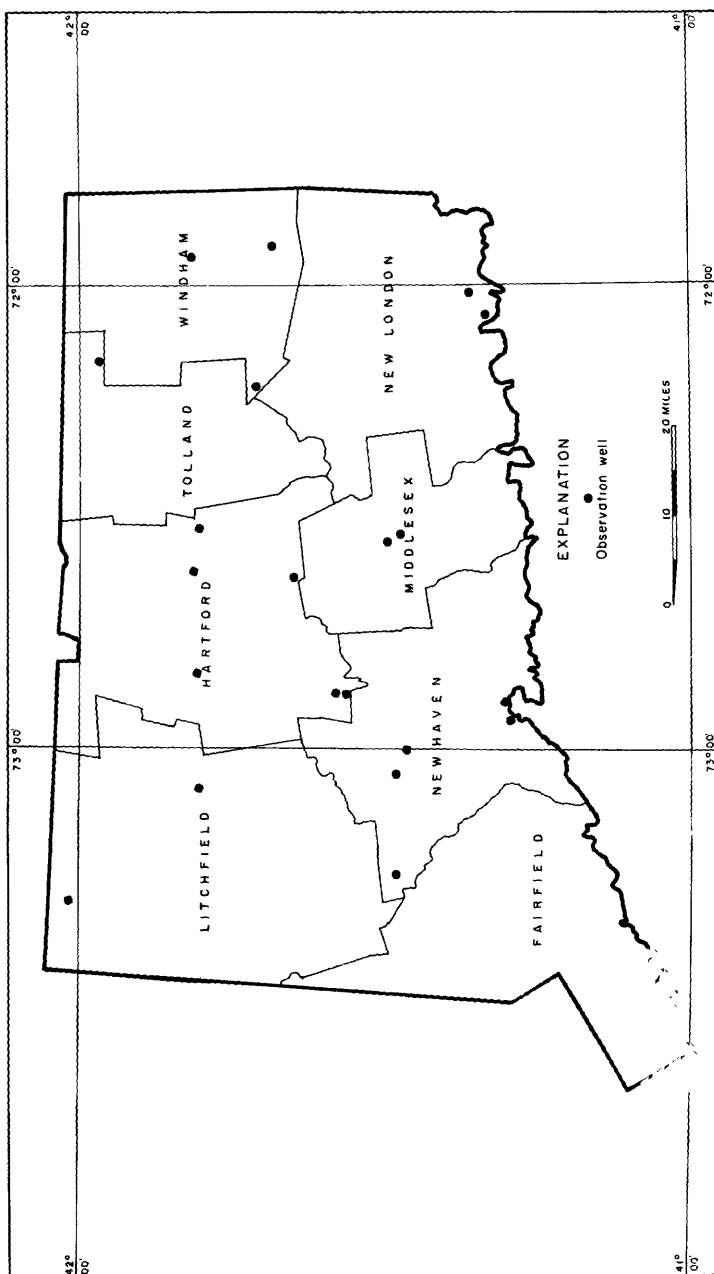


Figure 2. --Location of observation wells in Connecticut, 1963-67.

414910N0723721.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| May 25, 1966 | 14.12 | Oct. 25, 1966 | 14.99 | Mar. 30, 1967 | 12.54 | Aug. 29, 1967 | 11.54 |
| June 29 | 14.30 | Nov. 30 | 14.63 | Apr. 25 | 11.73 | Sept. 26 | 11.97 |
| July 27 | 14.61 | Dec. 28 | 14.58 | May 22 | 11.04 | Oct. 24 | 12.19 |
| Aug. 30 | 14.85 | Jan. 25, 1967 | 14.26 | June 26 | 10.99 | Nov. 27 | 12.25 |
| Sept. 27 | 14.98 | Feb. 27 | 13.64 | July 24 | 11.23 | Dec. 27 | 11.58 |

Litchfield County

420125N0731930.1. Local number NoC 7. James Lyles. U.S. Route 7 and East Main St., North Canaan. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 12 ft, lined with stone. Lsd about 675 ft above msl. MP top of concrete curb, at lsd. Highest water level 7.60 below lsd, Mar. 26, 1963; lowest 11.18 below lsd, Sept. 5, 1961. Records available: 1958-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|------|---------------|-------|
| Jan. 2, 1963 | 9.58 | Feb. 20, 1964 | 9.70 | Mar. 18, 1965 | 9.4 | Apr. 14, 1966 | 9.55 |
| 8 | 9.66 | 27 | 9.65 | 25 | 9.5 | 21 | 9.65 |
| 16 | 9.64 | Mar. 5 | 9.50 | Apr. 1 | 9.5 | 27 | 9.65 |
| 23 | 9.38 | 14 | 8.80 | 8 | 9.5 | May 4 | 9.70 |
| 29 | 9.42 | 18 | 8.40 | 16 | 9.5 | 13 | 9.70 |
| Feb. 6 | 9.58 | 25 | 9.20 | 22 | 9.5 | 19 | 9.70 |
| 13 | 9.63 | Apr. 2 | 9.50 | 30 | 9.5 | 26 | 9.70 |
| 20 | 9.68 | 8 | 9.58 | May 6 | 9.5 | June 3 | 9.70 |
| 27 | 9.67 | 16 | 9.48 | 12 | 9.6 | 9 | 9.80 |
| Mar. 5 | 9.72 | 23 | 9.38 | 20 | 9.7 | 16 | 9.80 |
| 13 | 9.62 | 29 | 8.90 | 27 | 9.8 | 23 | 9.85 |
| 21 | 8.72 | May 7 | 9.70 | June 3 | 9.8 | 29 | 9.95 |
| 26 | 7.60 | 15 | 9.80 | 10 | 9.9 | July 6 | 10.05 |
| Apr. 3 | 8.66 | 20 | 9.90 | 17 | 9.9 | 13 | 10.10 |
| 10 | 9.16 | 28 | 9.95 | 24 | 10.1 | 20 | 10.25 |
| 17 | 9.38 | June 3 | 10.05 | July 1 | 10.1 | 27 | 10.30 |
| 24 | 9.47 | 11 | 10.09 | 7 | 10.2 | Aug. 5 | 10.40 |
| May 1 | 9.58 | 15 | 10.05 | 15 | 10.2 | 11 | 10.40 |
| 8 | 9.64 | 17 | 10.10 | 22 | 10.3 | 18 | 10.45 |
| 15 | 9.63 | 25 | 10.10 | 30 | 10.4 | 24 | 10.50 |
| 21 | 9.66 | July 2 | 10.15 | Aug. 5 | 10.4 | Sept. 1 | 10.60 |
| 28 | 9.72 | 8 | 10.20 | 11 | 10.4 | 7 | 10.45 |
| June 5 | 9.76 | 15 | 10.20 | 20 | 10.4 | 15 | 10.40 |
| 11 | 9.78 | 24 | 10.30 | 26 | 10.4 | 22 | 10.30 |
| 18 | 9.82 | 30 | 10.40 | Sept. 2 | 10.3 | 29 | 10.15 |
| 25 | 9.86 | Aug. 5 | 10.45 | 10 | 10.2 | Oct. 12 | 9.70 |
| July 2 | 9.85 | 13 | 10.45 | 16 | 10.2 | 25 | 9.41 |
| 10 | 9.78 | 19 | 10.45 | 23 | 10.1 | 26 | 9.35 |
| 16 | 9.77 | 26 | 10.45 | 30 | 10.0 | Nov. 3 | 9.40 |
| 23 | 9.76 | Sept. 3 | 10.45 | Oct. 7 | 9.8 | 9 | 9.44 |
| 31 | 9.78 | 9 | 10.50 | 14 | 9.8 | 10 | 9.35 |
| Aug. 7 | 9.82 | 16 | 10.55 | 20 | 9.7 | 16 | 9.25 |
| 13 | 9.86 | 23 | 10.65 | 27 | 9.7 | 22 | 9.49 |
| 27 | 10.00 | Oct. 1 | 10.65 | Nov. 4 | 9.8 | 23 | 9.40 |
| Sept. 19 | 10.23 | 9 | 10.65 | 10 | 9.9 | Dec. 1 | 9.55 |
| 24 | 9.95 | 14 | 10.50 | 18 | 9.9 | 7 | 9.70 |
| Oct. 3 | 9.98 | 22 | 10.45 | 25 | 9.9 | 14 | 9.55 |
| 10 | 9.99 | 29 | 10.40 | Dec. 2 | 9.7 | 21 | 9.55 |
| 18 | 9.99 | Nov. 5 | 10.30 | 8 | 9.6 | Jan. 4, 1937 | 9.65 |
| 24 | 10.00 | 13 | 10.30 | 16 | 9.6 | 12 | 9.47 |
| 31 | 10.00 | 19 | 10.30 | 22 | 9.5 | 18 | 9.52 |
| Nov. 7 | 10.00 | 25 | 10.30 | 30 | 9.4 | 26 | 9.55 |
| 14 | 9.96 | Dec. 3 | 10.25 | Jan. 5, 1966 | 9.45 | Feb. 2 | 9.43 |
| 21 | 9.95 | 9 | 10.20 | 12 | 9.60 | 17 | 9.62 |
| 27 | 9.65 | 16 | 9.70 | 19 | 9.65 | 27 | 9.46 |
| Dec. 6 | 9.95 | 23 | 10.80 | 27 | 9.70 | Mar. 28 | 9.29 |
| 11 | 9.85 | Jan. 7, 1965 | 9.4 | Feb. 2 | 9.80 | Apr. 11 | 9.22 |
| 18 | 9.95 | 13 | 9.5 | 9 | 9.80 | 25 | 9.23 |
| 26 | 9.60 | 20 | 9.6 | 17 | 9.20 | May 22 | 9.55 |
| Jan. 2, 1964 | 9.70 | 27 | 9.6 | 24 | 9.35 | June 26 | 9.55 |
| 8 | 9.19 | Feb. 3 | 9.7 | Mar. 2 | 9.25 | July 24 | 9.88 |
| 15 | 9.80 | 10 | 9.4 | 10 | 9.35 | Aug. 29 | 10.05 |
| 22 | 9.70 | 18 | 9.3 | 17 | 9.45 | Sept. 26 | 10.23 |
| 29 | 9.00 | 25 | 9.4 | 25 | 9.30 | Oct. 23 | 10.18 |
| Feb. 5 | 9.40 | Mar. 4 | 9.4 | 31 | 9.20 | Nov. 28 | 9.75 |
| 12 | 9.50 | 11 | 9.4 | Apr. 7 | 9.40 | Dec. 26 | 9.56 |
| 18 | 9.60 | | | | | | |

414910N0730723.1. Local number T 2 (previously reported To 2). Warrenton Woolen Co. 839 Main St., Torrington. Drilled unused artesian well in crystalline bedrock, diam 8 in, depth 381 ft, cased to 34. Lsd about 650 ft above msl. MP top of casing, at lsd. Highest water level 5.12 below lsd, Apr. 4, 1960; lowest 8.60 below lsd, Sept. 28, 1964. Records available: 1958-67.

| | | | | | | | |
|---------------|------|---------------|------|--------------|------|-------------|------|
| Jan. 14, 1963 | 6.46 | Feb. 25, 1963 | 6.87 | Apr. 5, 1963 | 6.87 | May 5, 1963 | 6.55 |
| 21 | 6.30 | Mar. 4 | 6.97 | 10 | 6.10 | 10 | 6.67 |
| 28 | 6.72 | 11 | 6.17 | 15 | 6.29 | 15 | 6.67 |
| Feb. 4 | 6.62 | 18 | 5.75 | 20 | 6.44 | 20 | 6.71 |
| 11 | 6.86 | 31 | 5.59 | 25 | 6.57 | 25 | 6.74 |
| 18 | 6.88 | Apr. 1 | 5.61 | 30 | 6.64 | 31 | 6.84 |

414910N0730723.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|----------------|-------------|--------------|-------------|
| June 5, 1963 | 16.92 | July 7, 1964 | 7.36 | Sept. 13, 1965 | 7.74 | Nov. 7, 1966 | 6.17 |
| 10 | 17.00 | 13 | 7.22 | 20 | 7.66 | 14 | 6.13 |
| 15 | 16.94 | 20 | 7.23 | 27 | 7.33 | 21 | 6.47 |
| 20 | 16.92 | 27 | 7.54 | Oct. 4 | 6.88 | 28 | 6.62 |
| 25 | 16.85 | Aug. 3 | 7.78 | 11 | 6.67 | Dec. 5 | 6.64 |
| 30 | 16.86 | 10 | 7.94 | 18 | 6.46 | 12 | 6.00 |
| July 5 | 17.01 | 17 | 7.72 | 25 | 6.77 | 19 | 6.64 |
| 10 | 16.79 | 24 | 7.88 | Nov. 1 | 7.00 | 27 | 6.77 |
| 15 | 16.85 | 30 | 8.10 | 8 | 7.13 | Jan. 3, 1967 | 6.49 |
| 20 | 16.92 | Sept. 7 | 8.05 | 15 | 7.33 | 10 | 6.23 |
| 25 | 16.51 | 14 | 8.29 | 22 | 7.34 | 16 | 6.45 |
| 29 | 6.71 | 21 | 8.40 | 29 | 6.80 | 23 | 6.64 |
| Aug. 5 | 6.89 | 28 | 8.60 | Dec. 6 | 6.85 | 30 | 5.98 |
| 12 | 6.95 | Oct. 5 | 8.23 | 13 | 6.92 | Feb. 6 | 6.23 |
| 19 | 7.05 | 12 | 8.45 | 20 | 6.49 | 13 | 6.43 |
| 26 | 7.19 | 19 | 8.44 | 27 | 6.35 | 20 | 6.52 |
| Sept. 2 | 7.46 | 26 | 8.29 | Jan. 3, 1966 | 6.40 | 27 | 6.68 |
| 9 | 7.75 | Nov. 2 | 8.34 | 10 | 6.48 | Mar. 6 | 6.58 |
| 16 | 7.84 | 9 | 8.34 | 17 | 6.81 | 13 | 5.91 |
| 23 | 7.70 | 16 | 8.36 | 24 | 6.99 | 20 | 5.99 |
| 30 | 7.06 | 23 | 8.28 | 31 | 7.05 | 27 | 5.95 |
| Oct. 7 | 7.10 | Dec. 1 | 7.70 | Feb. 7 | 7.07 | Apr. 3 | 5.42 |
| 14 | 7.39 | 7 | 6.71 | 14 | 6.02 | 10 | 5.63 |
| 21 | 7.61 | 14 | 6.66 | 21 | 6.44 | 17 | 5.69 |
| 28 | 7.82 | 21 | 6.89 | 28 | 6.58 | 24 | 5.79 |
| Nov. 4 | 7.72 | 28 | 5.87 | Mar. 7 | 5.90 | May 1 | 6.05 |
| 11 | 6.29 | Jan. 4, 1965 | 6.36 | 14 | 6.06 | 8 | 5.87 |
| 18 | 6.56 | 11 | 6.44 | 21 | 5.80 | 15 | 5.92 |
| 25 | 6.65 | 18 | 6.73 | 28 | 5.89 | 22 | 6.25 |
| Dec. 2 | 6.03 | 25 | 6.93 | Apr. 4 | 6.16 | 29 | 6.13 |
| 9 | 6.08 | Feb. 1 | 7.02 | 11 | 6.40 | June 5 | 6.47 |
| 16 | 6.26 | 8 | 6.13 | 18 | 6.47 | 12 | 6.69 |
| 23 | 6.67 | 15 | 6.25 | 25 | 6.37 | 19 | 5.94 |
| 30 | 6.85 | 22 | 6.44 | May 2 | 6.37 | 26 | 5.97 |
| Jan. 6, 1964 | 6.94 | Mar. 1 | 6.30 | 9 | 6.44 | July 3 | 6.35 |
| 13 | 6.64 | 8 | 6.00 | 16 | 6.39 | 10 | 6.42 |
| 20 | 6.88 | 15 | 6.17 | 23 | 6.11 | 17 | 6.62 |
| 27 | 5.89 | 22 | 6.29 | 30 | 6.39 | 24 | 6.73 |
| Feb. 3 | 6.18 | 29 | 6.26 | June 6 | 6.58 | 31 | 6.89 |
| 10 | 6.16 | Apr. 5 | 6.43 | 13 | 6.37 | Aug. 7 | 6.90 |
| 17 | 6.45 | 12 | 6.42 | 20 | 6.59 | 14 | 7.02 |
| 18 | 6.50 | 18 | 6.14 | 27 | 6.55 | 21 | 7.17 |
| 24 | 6.60 | 26 | 6.26 | July 4 | 6.88 | 28 | 6.74 |
| Mar. 2 | 6.72 | May 3 | 6.40 | 12 | 6.92 | Sept. 4 | 6.92 |
| 9 | 5.85 | 10 | 6.50 | 18 | 7.04 | 11 | 7.17 |
| 16 | 5.64 | 17 | 6.69 | 25 | 7.13 | 18 | 7.26 |
| 23 | 5.93 | 24 | 6.91 | Aug. 1 | 7.25 | 24 | 7.35 |
| 30 | 6.00 | 31 | 6.92 | 8 | 7.53 | Oct. 2 | 7.05 |
| Apr. 6 | 6.21 | June 7 | 6.98 | 15 | 7.74 | 9 | 7.15 |
| 13 | 5.93 | 14 | 7.14 | 22 | 7.75 | 16 | 6.92 |
| 20 | 5.80 | 21 | 7.22 | 29 | 7.77 | 23 | 6.74 |
| 27 | 5.99 | 28 | 7.37 | Sept. 5 | 7.11 | 30 | 6.49 |
| May 4 | 6.13 | July 5 | 7.43 | 12 | 7.54 | Nov. 6 | 6.55 |
| 11 | 6.53 | 12 | 7.39 | 19 | 7.39 | 13 | 6.64 |
| 18 | 6.64 | 19 | 7.79 | 26 | 6.78 | 20 | 6.64 |
| 24 | 6.74 | 26 | 8.02 | Oct. 3 | 6.55 | 27 | 6.27 |
| June 1 | 6.92 | Aug. 2 | 8.22 | 10 | 6.90 | Dec. 4 | 5.97 |
| 8 | 7.00 | 9 | 8.44 | 17 | 7.04 | 11 | 6.18 |
| 15 | 7.07 | 23 | 8.00 | 24 | 6.37 | 18 | 5.91 |
| 22 | 7.24 | 30 | 7.82 | 31 | 6.75 | 26 | 6.17 |
| 29 | 7.14 | Sept. 6 | 8.00 | | | | |

j Daily lowest water level from recorder graph.

Middlesex County

413254N0723355.1. Local number Mt 261. United Aircraft Corp., Middletown. Formerly U.S. Government. Connecticut Advanced Nuclear Engineering Lab. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 28 ft, lined with stone. Lsd about 145 ft above msl. MP top of stone cover, at lsd. High-t water level 18.32 below lsd, Apr. 5, 1956; lowest dry, Dec. 2, 1957. Records available: 1956-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Mar. 4, 1963 | 21.37 | Jan. 30, 1964 | 19.14 | Dec. 31, 1964 | 25.69 | Nov. 24, 1965 | 26.16 |
| Apr. 2 | 19.64 | Feb. 25 | 19.24 | Jan. 28, 1965 | 20.87 | Dec. 30 | 26.69 |
| May 1 | 19.95 | Mar. 31 | 19.25 | Feb. 26 | 19.55 | Jan. 27, 1966 | 25.53 |
| 28 | 20.02 | Apr. 28 | 18.91 | Mar. 31 | 19.49 | Feb. 24 | 21.68 |
| June 28 | 20.66 | May 25 | 20.10 | Apr. 30 | 19.53 | Mar. 30 | 19.25 |
| July 30 | 21.76 | June 26 | 21.28 | May 28 | 20.18 | Apr. 27 | 20.10 |
| Aug. 28 | 23.20 | July 28 | 22.68 | July 1 | 21.15 | May 25 | 20.20 |
| Sept. 27 | 24.84 | Aug. 26 | 24.24 | 28 | 22.27 | June 29 | 20.74 |
| Oct. 28 | 25.80 | Sept. 29 | 25.95 | Aug. 31 | 23.82 | July 27 | 21.94 |
| Nov. 29 | 25.58 | Oct. 27 | 26.92 | Sept. 29 | 24.99 | Aug. 31 | 23.72 |
| Dec. 30 | 21.23 | Nov. 25 | 27.71 | Oct. 28 | 25.60 | Sept. 28 | 24.84 |

413254N0723355.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Oct. 27, 1966 | 25.28 | Feb. 27, 1967 | 19.95 | June 28, 1967 | 20.21 | Oct. 25, 1937 | 24.57 |
| Nov. 28 | 23.80 | Mar. 30 | 18.83 | July 26 | 20.63 | Nov. 27 | 24.92 |
| Dec. 27 | 22.78 | Apr. 27 | 18.67 | Aug. 30 | 21.91 | Dec. 27 | 19.87 |
| Jan. 24, 1967 | 19.80 | May 23 | 19.12 | Sept. 27 | 23.48 | | |

413235N0723342.1. Local number Mt 301. United Aircraft Corp., Middletown. Formerly U.S. Government. Connecticut Advanced Nuclear Engineering Lab. Drilled unused artesian well in crystalline bedrock, diam 6 in, depth 144 ft, cased to 29. Lsd about 140 ft above msl. MP top of casing, 0.55 ft above lsd. Highest water level 21.82 below lsd, May 23, 1967; lowest 27.69 below lsd, Sept. 29, 1964. Records available: 1958-67. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|----------------|-------|
| Mar. 4, 1963 | 26.45 | May 25, 1964 | 24.67 | July 28, 1965 | 26.59 | Sept. 28, 1937 | 26.50 |
| Apr. 2 | 26.45 | June 26 | 26.23 | Aug. 31 | 26.44 | Oct. 27 | 25.70 |
| May 1 | 26.58 | July 28 | 26.96 | Sept. 29 | 27.08 | Nov. 28 | 24.49 |
| 28 | 26.48 | Aug. 26 | 27.36 | Oct. 28 | 26.39 | Dec. 27 | 25.65 |
| June 28 | 26.35 | Sept. 29 | 27.69 | Nov. 24 | 26.66 | Jan. 24, 1937 | 24.25 |
| July 30 | 26.45 | Oct. 27 | 27.67 | Dec. 30 | 26.66 | Feb. 27 | 24.95 |
| Aug. 28 | 26.90 | Nov. 25 | 27.62 | Jan. 27, 1966 | 25.76 | Mar. 30 | 23.41 |
| Sept. 27 | 27.19 | Dec. 31 | 24.75 | Feb. 24 | 24.23 | Apr. 27 | 22.34 |
| Oct. 28 | 26.52 | Jan. 28, 1965 | 24.56 | Mar. 30 | 23.84 | May 23 | 21.82 |
| Nov. 29 | 25.59 | Feb. 26 | 23.16 | Apr. 27 | 24.81 | June 28 | 22.53 |
| Dec. 30 | 24.53 | Mar. 31 | 24.08 | May 25 | 25.70 | July 26 | 23.64 |
| Jan. 30, 1964 | 22.63 | Apr. 30 | 24.42 | June 29 | 26.25 | Aug. 30 | 25.08 |
| Feb. 26 | 23.13 | May 28 | 24.93 | July 27 | 26.63 | Sept. 27 | 25.99 |
| Mar. 31 | 23.75 | July 1 | 25.98 | Aug. 31 | 26.81 | Oct. 25 | 26.02 |
| Apr. 28 | 22.65 | | | | | | |

New Haven County

412802N0730048.1. Local number Na 11. Connecticut Water Co. Beacon Valley Rd., Naugatuck. Driven unused water-table well in glacial sand and gravel of Pleistocene age, diam 2 in, depth 56 ft, cased to bottom. 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: 1946-63. Fluctuation affected by nearby pumping. Measurement discontinued.

| | | | | | | | |
|---------------|------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 30, 1963 | 6.45 | Apr. 26, 1963 | 5.83 | July 29, 1963 | c18.93 | Oct. 28, 1933 | c20.67 |
| Feb. 28 | 6.50 | May 27 | c18.13 | Aug. 26 | c19.62 | Nov. 26 | c19.98 |
| Mar. 26 | 5.19 | June 27 | c19.07 | Sept. 25 | c19.51 | Dec. 26 | 12.48 |

c Nearby well being pumped.

411825N0725445.1. Local number NHn 131. New Haven Clock Co. 133 Hamilton St., New Haven. Driven unused water-table well in glacial sand of Pleistocene age, diam 2½ in, depth 43 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: 1939-63. Fluctuation affected by nearby pumping. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | +3.10 | Apr. 30, 1963 | +1.94 | July 30, 1963 | +2.00 | Oct. 30, 1933 | +1.13 |
| Feb. 25 | 2.99 | May 28 | 1.78 | Aug. 28 | 1.65 | Nov. 27 | 1.41 |
| Mar. 25 | 3.04 | June 28 | 1.67 | Sept. 26 | 1.77 | Dec. 27 | 1.42 |

411800N0725642.1. Local number NHn 183. Frank X. Hald Storage Co. 370-376 Davenport Ave., New Haven. Driven unused water-table well in glacial sand and gravel of Pleistocene age, diam 2 in, depth 20 ft, cased to bottom. 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 dry, several times 1963-1965. Records available: 1939-65. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | +4.78 | Oct. 30, 1963 | (f) | July 27, 1964 | +4.94 | Apr. 28, 1935 | +4.69 |
| Feb. 25 | 4.91 | Nov. 27 | +4.06 | Aug. 25 | 4.74 | May 26 | 4.50 |
| Mar. 25 | 5.08 | Dec. 27 | 4.08 | Sept. 28 | (f) | June 29 | (f) |
| Apr. 30 | 5.03 | Jan. 30, 1964 | 5.02 | Oct. 26 | (f) | July 27 | (f) |
| May 28 | 4.80 | Feb. 25 | 4.98 | Nov. 24 | (f) | Aug. 30 | (f) |
| June 28 | e4.22 | Mar. 30 | 5.34 | Dec. 28 | (f) | Sept. 28 | (f) |
| July 30 | 4.10 | Apr. 27 | 5.84 | Jan. 26, 1965 | (f) | Oct. 27 | (f) |
| Aug. 28 | (f) | May 27 | 5.81 | Feb. 25 | 4.47 | Nov. 23 | (f) |
| Sept. 26 | (f) | June 25 | 5.58 | Mar. 29 | 4.67 | Dec. 28 | (f) |

e Estimated.

f Dry.

412850N0731526.1. Local number Sb 1. Francis Bower. Near South Britain, Southbury. Dug domestic water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft, lined with stone. Lsd about 190 ft above msl. MP top of well curb at lsd. Highest water level 9.66 below lsd, Nov. 28, 1955; lowest 18.40 below lsd, Oct. 14, 1916. Records available: 1913-16, 1944-63. Measurement discontinued. Jan. 30, 1963, 16.65; Feb. 28, 16.95; Mar. 26, 16.50.

413134N0730217.1. Local number Wb 93. Mrs. Simeon W. Nichols, 131 Pearl Lake Rd., Waterbury. Formerly Mrs. William Nichols, Sr., 118 Pearl Lake Rd. Dug unused water-table well in glacial gravel of Pleistocene age, diam 32 in (previously reported 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: 1944-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 30, 1963 | 27.12 | Aug. 26, 1963 | 27.76 | Mar. 30, 1964 | 26.84 | Oct. 26, 1964 | 28.53 |
| Feb. 28 | 27.18 | Sept. 25 | 28.13 | Apr. 27 | 26.24 | Nov. 24 | 28.57 |
| Mar. 26 | 26.87 | Oct. 28 | 28.16 | May 27 | 27.34 | Dec. 28 | 28.00 |
| Apr. 26 | 27.40 | Nov. 26 | 27.40 | June 25 | 27.82 | Jan. 26, 1965 | 27.50 |
| May 27 | 27.67 | Dec. 26 | 26.94 | July 27 | 28.13 | Feb. 25 | 26.53 |
| June 27 | 27.80 | Jan. 30, 1964 | 26.01 | Aug. 25 | 28.25 | Mar. 29 | 26.80 |
| July 29 | 27.30 | Feb. 25 | 26.76 | Sept. 28 | 28.46 | Apr. 28 | 26.95 |

413134N0730217.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|--------------|-------------|
| May 26, 1965 | 27.30 | Jan. 25, 1966 | 28.03 | Sept. 27, 1966 | 28.51 | May 23, 1967 | 26.49 |
| June 29 | 27.75 | Feb. 23 | 27.08 | Oct. 26 | 28.17 | June 27 | 27.41 |
| July 27 | 27.93 | Mar. 29 | 26.86 | Nov. 28 | 27.31 | July 25 | 27.76 |
| Aug. 30 | 28.20 | Apr. 26 | 27.44 | Dec. 27 | 27.70 | Aug. 28 | 27.99 |
| Sept. 28 | 28.44 | May 23 | 27.58 | Jan. 24, 1967 | 26.95 | Sept. 27 | 28.22 |
| Oct. 27 | 28.13 | June 27 | 27.76 | Feb. 27 | 27.28 | Oct. 24 | 23.26 |
| Nov. 23 | 28.30 | July 27 | 28.13 | Mar. 29 | 26.25 | Nov. 28 | 28.05 |
| Dec. 28 | 28.20 | Aug. 30 | 28.54 | Apr. 26 | 25.83 | Dec. 26 | 26.98 |

New London County

412125N0720125.1. Local number Gt 6. O. C. Merry. Hazelnut Hill Rd., Groton. Drilled domestic artesian well in crystalline bedrock, diam 6 in, depth 65 ft, cased to 28. Lsd about 105 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 0.60 below lsd, Apr. 18, 1964; lowest 16.74 below lsd, Oct. 31, 1964. Records available: 1958-65. Fluctuation affected by pumping. Measurement discontinued.

| | | | | | | | |
|--------------|-------|----------------|-------|---------------|-------|---------------|-------|
| Jan. 5, 1963 | 4.39 | Sept. 29, 1963 | 13.05 | July 25, 1964 | 9.27 | Apr. 17, 1965 | 5.88 |
| 12 | 4.79 | Oct. 6 | 13.29 | Aug. 1 | 10.54 | 24 | 4.19 |
| 19 | 5.22 | 12 | 13.56 | 8 | 10.60 | 1 | 2.96 |
| 26 | 4.88 | 19 | 13.87 | 15 | 11.28 | 9 | 3.16 |
| Feb. 1 | 4.80 | 26 | 14.25 | 22 | 12.13 | 22 | 5.23 |
| 9 | 6.16 | Nov. 2 | 14.49 | 30 | 11.90 | 23 | 3.59 |
| 16 | 4.91 | 9 | 14.58 | Sept. 5 | 12.80 | 30 | 4.78 |
| 23 | 4.99 | 17 | 12.92 | 12 | 14.30 | June 5 | 6.14 |
| Mar. 2 | 5.30 | 18 | 13.08 | 19 | 14.38 | 12 | 5.63 |
| 9 | 5.23 | 23 | 12.75 | 26 | 14.94 | 19 | 6.37 |
| 16 | 5.43 | Dec. 1 | 11.60 | Oct. 3 | 14.55 | 26 | 8.24 |
| 23 | 4.54 | 7 | 10.90 | 10 | 15.25 | July 3 | 9.93 |
| 30 | 5.45 | 14 | 9.37 | 18 | 12.72 | 11 | 8.90 |
| Apr. 6 | 4.24 | 22 | 9.46 | 25 | 14.73 | 17 | 9.95 |
| 13 | 4.20 | 28 | 9.30 | 31 | 16.74 | 24 | 10.74 |
| 20 | 4.77 | Jan. 4, 1964 | 10.58 | Nov. 7 | 16.65 | 31 | 10.79 |
| 27 | 5.17 | 11 | 7.77 | 15 | 15.10 | Aug. 7 | 11.65 |
| May 4 | 5.10 | 18 | 6.24 | 21 | 15.09 | 14 | 11.82 |
| 18 | 5.45 | 25 | 3.19 | 28 | 13.70 | 21 | 12.50 |
| 25 | 5.10 | Feb. 1 | 2.07 | Dec. 5 | 13.52 | 28 | 12.30 |
| June 1 | 4.85 | 8 | 2.47 | 13 | 11.52 | Sept. 4 | 13.47 |
| 8 | 5.02 | 16 | 2.36 | 20 | 11.48 | 18 | 14.35 |
| 16 | 5.35 | 22 | 2.68 | 27 | 12.58 | 25 | 14.65 |
| 22 | 5.66 | Mar. 1 | 4.30 | Jan. 5, 1965 | 6.24 | Oct. 2 | 15.04 |
| 29 | 6.46 | 7 | 2.53 | 9 | 6.04 | 10 | 14.62 |
| July 6 | 7.20 | 14 | 1.60 | 16 | 5.96 | 17 | 15.19 |
| 13 | 7.76 | 21 | 1.70 | 23 | 6.32 | 23 | 15.22 |
| 20 | 9.76 | 29 | 2.27 | 30 | 6.12 | Nov. 1 | 15.42 |
| 27 | 9.07 | Apr. 4 | 2.76 | Feb. 13 | 2.35 | 6 | 15.82 |
| Aug. 3 | 9.40 | 11 | .89 | 20 | 3.67 | 13 | 15.85 |
| 10 | 9.87 | 18 | .60 | 27 | 1.53 | 20 | 15.98 |
| 17 | 11.48 | 25 | .74 | Mar. 6 | 1.62 | 27 | 16.04 |
| 24 | 10.68 | May 3 | 1.00 | 13 | 1.93 | Dec. 4 | 15.99 |
| 31 | 11.09 | 9 | 1.60 | 20 | 2.45 | 11 | 16.20 |
| Sept. 7 | 12.70 | 16 | 2.66 | 27 | 2.92 | 18 | 15.82 |
| 14 | 12.25 | 23 | 3.20 | Apr. 3 | 3.27 | 26 | 15.53 |
| 21 | 12.64 | July 18 | 8.84 | 10 | 3.51 | | |

412013N0720306.1. Local number Gt 19. John E. Ackley, Jr. (previously reported John Ackley, Jr.). Poquonock Plains, Groton. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 24 in, depth 18 ft, lined with stone. Lsd about 22 ft above msl. MP bottom of fieldstone on west side of well, at lsd. Highest water level 10.85 below lsd, Apr. 19, 1964; lowest 17.97 below lsd, Oct. 6, 1963. Records available: 1958-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 1, 1963 | 15.90 | June 10, 1963 | 16.00 | Nov. 18, 1963 | 17.20 | Apr. 27, 1964 | 12.02 |
| 6 | 15.15 | 17 | 16.14 | 25 | 17.11 | May 3 | 12.99 |
| 13 | 15.27 | 24 | 16.28 | Dec. 1 | 16.88 | 11 | 13.93 |
| 20 | 15.24 | 28 | 16.54 | 8 | 16.53 | 18 | 14.60 |
| 28 | 15.00 | July 7 | 16.55 | 16 | 16.25 | 24 | 14.95 |
| Feb. 4 | 15.18 | 14 | 16.68 | 22 | 16.24 | 31 | 15.36 |
| 11 | 15.20 | 21 | 16.59 | 30 | 16.32 | June 8 | 15.69 |
| 17 | 15.05 | Aug. 3 | 16.90 | Jan. 6, 1964 | 16.27 | 15 | 15.96 |
| 24 | 14.90 | 11 | 16.69 | 13 | 15.93 | 22 | 16.17 |
| Mar. 3 | 15.23 | 18 | 16.39 | 19 | 15.66 | 29 | 16.44 |
| 7 | 14.91 | 25 | 15.88 | 26 | 14.53 | July 6 | 16.62 |
| 10 | 14.80 | Sept. 1 | 16.57 | Feb. 2 | 14.18 | 13 | 16.64 |
| 18 | 14.90 | 8 | 17.00 | 9 | 14.28 | 20 | 16.78 |
| 25 | 14.74 | 15 | 17.40 | 17 | 14.34 | 27 | 16.93 |
| 31 | 14.87 | 23 | 17.59 | 24 | 14.51 | Aug. 2 | 17.05 |
| Apr. 14 | 15.45 | 29 | 17.66 | Mar. 1 | 14.71 | 9 | 17.20 |
| 21 | 15.69 | Oct. 6 | 17.97 | 8 | 14.72 | 16 | 17.32 |
| 28 | 15.90 | 13 | 17.80 | 15 | 14.18 | 23 | 17.41 |
| May 5 | 15.90 | 20 | 17.79 | 22 | 14.28 | 31 | 17.52 |
| 12 | 16.07 | 27 | 17.80 | 29 | 14.67 | Sept. 7 | 17.54 |
| 19 | 16.05 | Nov. 3 | 17.77 | Apr. 5 | 14.79 | Oct. 7 | 17.74 |
| 27 | 15.97 | 10 | 17.90 | 13 | 11.91 | 11 | 17.61 |
| June 2 | 15.91 | | 17.15 | 19 | 10.85 | 19 | 17.68 |

412013N0720306.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Oct. 26, 1964 | 17.36 | Aug. 16, 1965 | 17.28 | June 14, 1966 | 14.68 | Mar. 27, 1967 | 14.00 |
| Nov. 2 | 17.45 | 23 | 17.40 | 20 | 15.03 | Apr. 4 | 13.41 |
| 9 | 17.52 | 30 | 17.48 | 28 | 15.48 | 11 | 13.95 |
| 16 | 17.58 | Sept. 6 | 17.55 | July 3 | 15.52 | 18 | 14.05 |
| 23 | 17.58 | 13 | 17.62 | 12 | 15.85 | 23 | 13.04 |
| 30 | 17.32 | 20 | 17.60 | 19 | 16.30 | 30 | 13.58 |
| Dec. 7 | 16.90 | 27 | 17.56 | 23 | 16.38 | May 8 | 14.05 |
| 14 | 16.56 | Oct. 5 | 17.56 | 31 | 16.68 | 15 | 13.86 |
| 22 | 16.36 | 11 | 17.42 | Aug. 7 | 16.85 | 22 | 14.22 |
| 29 | 16.02 | 17 | 17.38 | 16 | 16.88 | 30 | 12.23 |
| Jan. 4, 1965 | 15.15 | 31 | 17.57 | 22 | 17.17 | June 4 | 12.98 |
| 11 | 15.12 | Nov. 8 | 17.64 | 30 | 17.10 | 12 | 14.04 |
| 18 | 15.20 | 14 | 17.65 | Sept. 6 | 17.38 | 20 | 14.76 |
| 25 | 15.38 | 22 | 17.67 | 12 | 17.43 | 26 | 14.71 |
| 31 | 15.40 | 29 | 17.64 | 19 | 17.13 | July 4 | 14.98 |
| Feb. 7 | 15.60 | Dec. 6 | 17.66 | 26 | 17.10 | 9 | 14.92 |
| 15 | 14.20 | 14 | 17.63 | Oct. 3 | 17.05 | 17 | 15.16 |
| 22 | 14.16 | 19 | 17.47 | 11 | 17.12 | 24 | 15.25 |
| 28 | 14.10 | 28 | 17.48 | 16 | 17.26 | 31 | 15.42 |
| Mar. 8 | 14.25 | Jan. 3, 1966 | 17.42 | 24 | 16.77 | Aug. 6 | 15.51 |
| 15 | 14.43 | 10 | 17.14 | 31 | 16.87 | 14 | 15.73 |
| 22 | 14.76 | 17 | 17.03 | Nov. 7 | 16.58 | 21 | 15.91 |
| 28 | 14.77 | 25 | 17.08 | 15 | 16.37 | 28 | 16.09 |
| Apr. 5 | 15.08 | 31 | 17.08 | 22 | 16.44 | Sept. 4 | 16.27 |
| 12 | 15.23 | Feb. 8 | 17.14 | 29 | 16.51 | 11 | 16.46 |
| 19 | 14.80 | 14 | 16.86 | Dec. 6 | 16.60 | 17 | 16.59 |
| 26 | 14.65 | 21 | 15.91 | 12 | 16.67 | 24 | 16.78 |
| May 3 | 14.66 | 28 | 15.75 | 18 | 16.67 | Oct. 1 | 16.71 |
| 10 | 14.97 | Mar. 7 | 14.76 | 27 | 16.69 | 9 | 16.73 |
| 17 | 15.25 | 14 | 14.53 | Jan. 3, 1967 | 16.31 | 15 | 16.85 |
| 25 | 15.64 | 21 | 14.66 | 9 | 16.16 | 22 | 16.91 |
| 31 | 15.75 | 29 | 14.78 | 16 | 16.14 | 30 | 16.96 |
| June 6 | 15.75 | Apr. 4 | 14.95 | 22 | 16.22 | Nov. 6 | 16.88 |
| 13 | 15.98 | 11 | 15.27 | 30 | 16.22 | 13 | 16.90 |
| 20 | 16.22 | 18 | 15.58 | Feb. 7 | 16.15 | 20 | 16.89 |
| 28 | 16.47 | 25 | 15.77 | 13 | 16.10 | 27 | 16.38 |
| July 4 | 16.59 | May 3 | 15.83 | 20 | 15.71 | Dec. 4 | 16.07 |
| 12 | 16.82 | 9 | 15.87 | 27 | 15.48 | 11 | 14.81 |
| 18 | 16.95 | 16 | 15.90 | Mar. 7 | 14.62 | 18 | 14.30 |
| 26 | 17.08 | 24 | 15.11 | 13 | 12.86 | 24 | 14.63 |
| Aug. 2 | 17.17 | 31 | 14.28 | 20 | 13.60 | 31 | 13.40 |
| 8 | 17.17 | June 6 | 14.08 | | | | |

Tolland County

415740N0720945.1. Local number U 3. Yale University. Yale Forest, Union. Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 26 ft, lined with stone. Lsd about 790 ft above msl. MP top of south side of curbing, at lsd. Highest water level 9.34 below lsd, Mar. 31, 1953; lowest dry, several times 1949, 1957, 1961, 1963-1965. Records available: 1946-65. Recording gage installed Oct. 10, 1963; removed Dec. 29, 1965. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|------|--------------|--------|
| Jan. 29, 1963 | 22.36 | July 31, 1963 | 20.48 | Nov. 10, 1963 | j, f | Dec. 5, 1963 | j24.71 |
| Feb. 28 | 22.18 | Aug. 27 | 21.66 | 15 | j, f | 10 | j24.72 |
| Mar. 29 | 19.14 | Sept. 26 | 22.88 | 20 | j, f | 15 | j24.69 |
| Apr. 29 | 17.31 | Oct. 17 | 23.74 | 25 | j, f | 20 | j24.72 |
| May 29 | 18.06 | 28 | (f) | 27 | (f) | 27 | k24.79 |
| June 26 | 19.07 | Nov. 5 | j, f | 30 | j, f | | |

f Dry.

j Daily lowest water level from recorder graph.

k After deepening.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | (f) | 24.71 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | (f) | 24.72 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | (f) | 24.69 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 23.84 | (f) | 24.72 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 23.91 | (f) | 24.78 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | (f) | (f) | 24.84 |
| 1964 | | | | | | | | | | | | |
| 5 | 24.88 | 21.74 | 20.18 | 16.83 | 15.80 | 18.14 | 19.81 | 21.34 | 22.73 | 23.92 | 24.89 | (f) |
| 10 | 24.90 | 20.99 | 19.46 | 16.30 | 16.19 | 18.39 | 20.04 | 21.59 | 22.96 | 24.09 | 25.04 | (f) |
| 15 | e24.92 | 20.44 | 18.36 | 15.91 | 16.70 | 18.69 | 20.30 | 21.79 | 23.17 | 24.27 | 25.15 | (f) |
| 20 | 24.96 | 20.12 | 17.49 | 24.83 | 17.04 | 19.02 | 20.55 | 22.01 | 23.37 | 24.44 | 25.23 | (f) |
| 25 | 24.59 | 20.12 | 17.24 | 14.75 | 17.36 | 19.29 | 20.80 | 22.23 | 23.58 | 24.57 | 25.24 | (f) |
| Eom | 22.66 | 20.14 | 17.01 | 15.29 | 17.82 | 19.54 | 21.11 | 22.50 | 23.75 | 24.75 | (f) | (f) |

415740N0720945.1--Continued.

| 1965 | | | | | | | | | | | | |
|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | (f) | (f) | 24.31 | 21.03 | 19.73 | 20.13 | 21.08 | 22.32 | 23.54 | 24.54 | 25.26 | (f) |
| 10 | (f) | (f) | 23.48 | 20.84 | 19.61 | 20.25 | 21.27 | 22.50 | 23.72 | 24.66 | 25.28 | (f) |
| 15 | (f) | (f) | 22.53 | 20.78 | 19.67 | 20.44 | 21.46 | 22.71 | 23.89 | 24.80 | (f) | (f) |
| 20 | (f) | 25.14 | 21.92 | 20.62 | 19.77 | 20.53 | 21.69 | 22.90 | 24.06 | 24.91 | (f) | (f) |
| 25 | (f) | 24.94 | 21.55 | 20.31 | 19.86 | 20.72 | 21.86 | 23.10 | 24.22 | 25.04 | (f) | (f) |
| Eom | (f) | 24.73 | 21.25 | 19.98 | 20.03 | 20.88 | 22.11 | 23.35 | 24.42 | 25.18 | (f) | (f) |

e Estimated.

f Dry.

Windham County

414911N0715620.1. Local number Bk 41. Richard Brouillard. Darby and Barrett Hill Rds., Brooklyn.

Drilled unused artesian well in crystalline bedrock, diam 6 in, depth 107 ft, cased to 9. Lsd about 330 ft above msl. MP top of casing, 1.15 ft above lsd. Highest water level 4.78 below lsd, Apr. 16, 1964; lowest 17.60 below lsd, Sept. 27, 1957. Records available: 1957-67. Recording gage installed Oct. 16, 1963; removed Sept. 27, 1965.

| Date | | Water level | Date | | Water level | Date | | Water level | Date | | Water level |
|------|----------|-------------|-------|----------|-------------|------|----------|-------------|------|----------|-------------|
| Jan. | 29, 1963 | 11.63 | June | 27, 1963 | 12.30 | Oct. | 31, 1963 | 115.50 | Nov. | 30, 1963 | 112.80 |
| Feb. | 28 | 12.02 | July | 29 | 13.66 | Nov. | 5 | 115.48 | Dec. | 5 | 111.80 |
| Mar. | 29 | 10.34 | Aug. | 26 | 14.89 | | 10 | 115.22 | | 10 | 111.25 |
| Apr. | 15 | 10.43 | Sept. | 26 | 15.86 | | 15 | 114.39 | | 15 | 110.69 |
| | 29 | 11.09 | Oct. | 17 | 15.37 | | 20 | 113.57 | | 20 | 110.92 |
| May | 15 | 10.84 | | 25 | 115.40 | | 25 | 113.18 | | 27 | 11.25 |
| | 27 | 11.20 | | | | | | | | | |

e Estimated.

j Daily lowest water level from recorder graph.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | | | | | | | | | | | 15.48 | 11.80 |
| 10 | | | | | | | | | | | 15.22 | 11.25 |
| 15 | | | | | | | | | | | 14.39 | 10.70 |
| 20 | | | | | | | | | | 15.38 | 13.57 | 10.92 |
| 25 | | | | | | | | | | 15.40 | 13.18 | 11.16 |
| Eom | | | | | | | | | | 15.50 | 12.80 | e12.57 |

1964

| | | | | | | | | | | | | |
|-----|-------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 11.46 | 7.87 | 9.54 | 8.62 | 9.22 | 11.63 | 13.43 | 14.69 | 15.85 | 16.77 | 16.27 | 15.51 |
| 10 | 11.27 | 7.55 | 8.30 | 6.65 | 9.31 | 11.85 | 13.80 | 14.88 | 16.00 | 16.83 | 16.16 | 14.81 |
| 15 | 10.97 | 8.58 | 7.76 | 7.10 | 10.21 | 12.09 | 13.89 | 15.09 | 16.20 | 16.82 | 16.08 | 13.75 |
| 20 | 11.06 | 9.15 | 8.36 | 5.76 | 10.45 | 12.37 | 14.14 | 15.28 | 16.35 | 16.84 | 16.06 | 13.14 |
| 25 | 9.25 | 9.59 | 8.96 | 7.10 | 10.75 | 12.72 | 14.31 | 15.45 | 16.57 | 16.77 | 15.97 | 12.82 |
| Eom | 7.46 | 9.90 | 8.48 | 8.36 | 11.26 | 13.05 | 14.52 | 15.63 | 16.61 | 16.49 | 15.86 | 11.66 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 5 | 11.04 | 11.65 | 8.79 | 9.77 | 10.17 | 11.35 | 13.45 | ..... | 15.24 | ..... | ..... | ..... |
| 10 | 11.14 | 10.95 | 8.65 | 10.12 | 10.47 | 11.66 | 13.85 | ..... | 15.41 | ..... | ..... | ..... |
| 15 | 11.12 | 9.70 | 9.17 | 10.19 | 10.77 | 11.99 | 14.18 | ..... | ..... | ..... | ..... | ..... |
| 20 | 11.26 | 9.67 | 9.47 | 9.72 | 10.92 | 12.25 | 14.29 | 14.81 | ..... | ..... | ..... | ..... |
| 25 | 11.49 | 9.99 | 9.58 | 9.93 | 11.12 | 12.60 | 13.74 | 14.95 | ..... | ..... | ..... | ..... |
| Eom | 11.49 | 8.56 | 9.43 | 9.74 | 11.41 | 13.05 | 13.75 | 15.09 | 15.79 | h14.30 | h14.14 | h12.70 |

e Estimated.

h Tape measurement

| Date | | Water level | Date | | Water level | Date | | Water level | Date | | Water level |
|------|----------|-------------|-------|----------|-------------|------|----------|-------------|-------|----------|-------------|
| Jan. | 26, 1966 | 12.15 | July | 28, 1966 | 14.14 | Jan. | 25, 1967 | 10.78 | July | 26, 1967 | 11.47 |
| Feb. | 25 | 9.72 | Aug. | 31 | 15.14 | Feb. | 27 | 10.40 | Aug. | 29 | 13.04 |
| Mar. | 30 | 8.94 | Sept. | 27 | 15.67 | Mar. | 31 | 5.80 | Sept. | 28 | 14.54 |
| Apr. | 27 | 10.43 | Oct. | 27 | 14.09 | Apr. | 25 | 5.75 | Oct. | 26 | 12.63 |
| May | 26 | 10.41 | Nov. | 30 | 11.50 | May | 23 | 9.01 | Nov. | 30 | 11.13 |
| June | 29 | 12.08 | Dec. | 28 | 11.47 | June | 28 | 10.49 | Dec. | 28 | 9.38 |

414054N0715520.1. Local number Pl 1. Clifford Starkweather. Formerly W. P. Lewis. Pleasant St., Plainfield. Dug unused water-table well in glacial sand and gravel of Pleistocene age, diam 36 in, depth 34 ft, lined with brick. Lsd about 180 ft above msl. MP top of stone curb, at lsd. Highest water level 27.24 below lsd, Apr. 28, 1953; lowest 33.22 below lsd, Feb. 11, 1966. Records available: 1942-67. Affected by pumping of well 2,000 ft distant since about August 1962.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | 31.18 | 31.00 | 30.57 | 30.83 | 30.93 | 31.22 | 31.43 | 31.97 | 32.27 | ..... | 32.24 |
| 10 | | 31.16 | 30.86 | 30.61 | 30.79 | 30.96 | 31.26 | 31.50 | 32.05 | 32.30 | ..... | 32.10 |
| 15 | | 31.10 | 30.70 | 30.68 | 30.82 | 31.00 | 31.27 | 31.58 | 32.09 | 32.34 | ..... | 32.01 |
| 20 | | 31.00 | 30.59 | 30.74 | 30.84 | 31.04 | 31.29 | 31.69 | 32.17 | 32.38 | ..... | 31.93 |
| 25 | | 30.93 | 30.57 | 30.80 | 30.86 | 31.09 | 31.32 | 31.79 | 32.21 | 32.42 | ..... | 31.87 |
| Eom | 31.16 | 30.95 | 30.55 | 30.85 | 30.90 | 31.16 | 31.37 | 31.89 | 32.24 | 32.47 | 32.30 | 31.85 |

414054N0715520.1--Continued

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 31.80 | 30.68 | 30.00 | 29.77 | 28.74 | 29.67 | 30.51 | 30.98 | 31.63 | e32.03 | 32.24 | ..... |
| 10 | 31.75 | 30.35 | 29.92 | 29.71 | 28.82 | 29.81 | 30.59 | 31.10 | 31.72 | 32.07 | 32.27 | ..... |
| 15 | 31.72 | 30.13 | 29.87 | 29.59 | 29.01 | 29.95 | 30.65 | 31.20 | 31.80 | 32.11 | e32.31 | ..... |
| 20 | 31.68 | 30.00 | 29.81 | 29.39 | 29.17 | 30.11 | 30.71 | 31.32 | 31.88 | 32.14 | 32.34 | ..... |
| 25 | 31.56 | 29.98 | 29.81 | 29.01 | 29.31 | 30.25 | 30.79 | 31.44 | 31.94 | 32.17 | 32.38 | ..... |
| Eom | 31.11 | 29.99 | 29.96 | 28.78 | 29.50 | 30.38 | 30.89 | 31.54 | e31.99 | e32.23 | ..... | 31.78 |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | 31.05 | 30.08 | 30.04 | 30.31 | 30.67 | 31.16 | 31.65 | 32.31 | 32.65 | 32.84 | 33.05 |
| 10 | ..... | 30.99 | 29.95 | 30.12 | 30.36 | 30.73 | 31.22 | 31.77 | 32.38 | 32.67 | 32.88 | 33.07 |
| 15 | ..... | 30.80 | 29.88 | 30.19 | 30.43 | 30.81 | 31.29 | 31.90 | 32.45 | 32.71 | 32.92 | 33.09 |
| 20 | ..... | 30.57 | 29.88 | 30.21 | 30.48 | 30.90 | 31.35 | 32.00 | 32.52 | 32.73 | 32.98 | 33.12 |
| 25 | ..... | 30.41 | 29.94 | 30.25 | 30.53 | 31.00 | 31.45 | 32.12 | 32.56 | 32.76 | 33.01 | 33.14 |
| Eom | 31.06 | 30.29 | 29.98 | 30.28 | 30.61 | 31.10 | 31.56 | 32.23 | 32.61 | 32.80 | 33.03 | 33.14 |
| 1966 | | | | | | | | | | | | |
| 5 | 33.14 | 33.19 | 32.19 | ..... | 31.60 | 31.71 | 31.85 | 32.09 | 32.50 | 32.69 | 32.61 | 32.09 |
| 10 | 33.12 | 33.21 | 32.01 | ..... | 31.63 | 31.70 | 31.90 | 32.16 | 32.56 | 32.65 | 32.47 | 32.07 |
| 15 | 33.10 | 33.09 | 31.85 | ..... | 31.66 | 31.69 | 31.93 | 32.24 | 32.60 | 32.65 | 32.32 | 32.07 |
| 20 | 33.12 | 32.69 | 31.73 | ..... | 31.69 | 31.70 | 31.96 | 32.31 | 32.65 | 32.68 | 32.21 | 32.07 |
| 25 | 33.15 | 32.44 | 31.63 | ..... | 31.71 | 31.74 | 31.98 | 32.37 | 32.68 | 32.66 | 32.16 | 32.08 |
| Eom | 33.17 | 32.36 | 31.54 | 31.57 | 31.72 | 31.79 | 32.03 | 32.46 | 32.70 | 32.64 | 32.10 | 32.10 |
| 1967 | | | | | | | | | | | | |
| 5 | 32.06 | 31.89 | 31.70 | 30.32 | 29.47 | 29.19 | 29.82 | 30.23 | 30.66 | 31.19 | 31.53 | 31.58 |
| 10 | 32.02 | 31.86 | 31.61 | 30.19 | 29.39 | 29.17 | 29.87 | 30.27 | 30.76 | 31.25 | 31.55 | 31.47 |
| 15 | 31.98 | 31.85 | 31.23 | 30.07 | 29.37 | 29.30 | 29.95 | 30.35 | 30.85 | 31.32 | 31.59 | 31.34 |
| 20 | 31.95 | 31.82 | 30.87 | 29.93 | 29.42 | 29.45 | 30.01 | 30.40 | 30.96 | 31.38 | 31.62 | 31.21 |
| 25 | 31.93 | 31.77 | 30.65 | 29.73 | 29.52 | 29.58 | 30.08 | 30.49 | 31.07 | 31.44 | 31.64 | 31.05 |
| Eom | 31.91 | 31.75 | 30.46 | 29.58 | 29.27 | 29.70 | 30.18 | 30.57 | 31.12 | 31.49 | 31.64 | 30.92 |

e Estimated.

414240N0721218.1. Local number W11. American Thread Co. 322 Main St., Willimantic. Drilled unused water-table well in crystalline bedrock, diam 6 in, depth 83 ft. Led about 190 ft above msl. MP top of $\frac{1}{2}$ -in pipe in transformer platform, 0.40 ft above lsd. Highest water level 4.52 below lsd, Mar. 31, 1953; lowest 8.90 below lsd, Oct. 27, 1947. Records available: 1948-63. Measurement discontinued. Jan. 29, 1963, 7.04; Feb. 28, 7.04.

References

- Meikle, R. L., and Baker, J. A., 1965, Ground-water levels in Connecticut, 1960 to 1964: Connecticut Water Resources Bull. 7.
- Meikle, R. L., 1967, Ground-water levels in Connecticut, 1965 to 1966: Connecticut Water Resources Bull. 13.
- Water resources data for Connecticut, 1967, Part 3. Ground-water records: U.S. Geol. Survey annual basic-data rept.

DELAWARE

The observation-well program in Delaware was continued during 1963 through 1967 in cooperation 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 Beacon 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

391047N0753142.1. Local number Id54-10. State Highway Dept. At Dover. 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: 1958-63. Measurement discontinued. Jan. 23, 1963, 8.98.

390843N0753006.1. Local number Jd25-1. William H. Richter. Dover Fruit Farm, Bay Road, Dover. Drilled unused artesian well in Cheswold aquifer of Miocene age, diam 4 in, depth 195 ft, cased 0-80. Lsd 30 ft above msl. MP top of recorder platform, 3.47 ft above lsd. Highest water level 57.01 below lsd, Apr. 8, 1964; lowest 105.26 below lsd, July 6, 1965. Records available: 1963-67. Water levels affected by pumping.

Mean water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 5 | ..... | 60.86 | 60.86 | 60.07 | 63.53 | 68.22 | 78.80 | 79.82 | 75.25 | 73.28 | 67.00 | ..... |
| 10 | ..... | 60.88 | 61.30 | 59.89 | 66.80 | 68.38 | 80.45 | 80.49 | 75.58 | 72.60 | 66.46 | ..... |
| 15 | ..... | 60.66 | 59.80 | 59.80 | 67.65 | 69.67 | 81.15 | e79.90 | 76.18 | 71.53 | ..... | ..... |
| 20 | 61.53 | 60.50 | 58.85 | 59.88 | 69.48 | 71.80 | 80.82 | 78.95 | 75.23 | 70.34 | ..... | ..... |
| 25 | 61.56 | 60.42 | 58.34 | 61.06 | 69.25 | 74.52 | 78.77 | 77.88 | 74.57 | 69.76 | ..... | ..... |
| Eom | 61.41 | 60.79 | 59.41 | 63.01 | 69.50 | 80.69 | 79.71 | 76.26 | 73.13 | 68.78 | ..... | ..... |

1964

| | | | | | | | | | | | | |
|-----|-------|--------|-------|-------|--------|--------|--------|-------|-------|-------|-------|--------|
| 5 | ..... | 62.32 | 59.64 | 57.60 | 59.08 | e73.50 | ..... | 87.68 | ..... | ..... | 86.21 | 82.37 |
| 10 | ..... | e62.20 | 59.24 | 57.70 | 60.25 | e77.00 | 88.75 | 87.60 | ..... | ..... | 85.23 | e82.96 |
| 15 | 62.65 | 62.16 | 59.36 | 57.65 | e61.40 | 81.78 | 85.95 | ..... | ..... | 86.38 | 86.02 | ..... |
| 20 | 62.67 | 60.94 | 59.37 | 58.23 | e63.40 | 82.95 | e88.10 | ..... | ..... | 87.04 | 85.99 | ..... |
| 25 | 63.32 | 60.12 | 57.72 | 58.86 | e65.00 | 85.06 | 88.03 | ..... | ..... | 88.02 | 84.73 | ..... |
| Eom | 62.80 | 60.12 | 57.28 | 58.95 | e69.50 | 88.16 | 87.50 | ..... | ..... | 86.10 | 80.83 | 79.53 |

1965

| | | | | | | | | | | | | |
|-----|--------|--------|--------|-------|--------|-------|--------|-------|-------|--------|-------|-------|
| 5 | e78.07 | 81.16 | e85.40 | 86.87 | 82.84 | 84.77 | ..... | 91.25 | 83.61 | 87.57 | 82.56 | 85.26 |
| 10 | ..... | ..... | e85.00 | 83.28 | 85.71 | ..... | 102.63 | 93.83 | 80.01 | 83.12 | 88.28 | 88.19 |
| 15 | ..... | ..... | 84.60 | 88.00 | 84.39 | ..... | 98.83 | 92.52 | 79.25 | e90.10 | 88.74 | 84.88 |
| 20 | ..... | e80.20 | ..... | 86.25 | e89.80 | ..... | 96.93 | 96.87 | 84.16 | 89.52 | 84.69 | 87.67 |
| 25 | ..... | e83.10 | ..... | 82.42 | ..... | ..... | 93.60 | 90.59 | 81.78 | 89.44 | 86.61 | 83.10 |
| Eom | e80.36 | e81.60 | ..... | 83.78 | ..... | ..... | 89.37 | 87.85 | 89.41 | 88.43 | 88.22 | 78.71 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|--------|
| 5 | 82.39 | ..... | 84.53 | 86.77 | 77.23 | 76.40 | 84.78 | 93.68 | 95.64 | 86.56 | 82.86 | e78.50 |
| 10 | 82.45 | ..... | 82.28 | 83.64 | e83.20 | 79.10 | 82.83 | 93.14 | 95.40 | 83.26 | 79.34 | 78.96 |
| 15 | 80.58 | 87.63 | 87.55 | e77.82 | ..... | 84.90 | ..... | 93.10 | 92.18 | 79.45 | 80.81 | 78.64 |
| 20 | 78.16 | 87.44 | e83.40 | 79.45 | 78.92 | 82.77 | ..... | 94.46 | 87.65 | 79.91 | 81.50 | 80.42 |
| 25 | 83.97 | 79.46 | 81.67 | 83.80 | 82.40 | 80.33 | 90.64 | 92.95 | 89.76 | ..... | 78.13 | ..... |
| Eom | 82.60 | 87.94 | 80.62 | ..... | e79.40 | 84.98 | 96.62 | 94.68 | 88.84 | 82.50 | 76.77 | 79.00 |

1967

| | | | | | | | | | | | | |
|-----|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|--------|-------|
| 5 | 77.00 | 79.90 | ..... | 67.50 | 68.77 | 79.56 | ..... | ..... | ..... | ..... | ..... | 65.90 |
| 10 | 78.74 | 79.97 | ..... | 66.83 | 70.89 | 84.70 | ..... | ..... | ..... | ..... | ..... | 64.96 |
| 15 | 79.42 | 79.34 | ..... | 65.48 | 70.36 | 89.67 | ..... | ..... | ..... | ..... | e64.08 | 68.47 |
| 20 | 76.21 | 80.70 | ..... | 66.70 | 70.67 | 92.41 | ..... | ..... | ..... | ..... | 66.76 | 66.50 |
| 25 | ..... | 79.61 | ..... | 70.74 | 69.55 | 89.45 | ..... | ..... | ..... | ..... | 63.88 | 63.37 |
| Eom | 79.18 | e78.90 | 64.11 | 68.03 | 71.02 | e90.37 | ..... | ..... | ..... | ..... | 64.97 | 67.74 |

e Estimated.

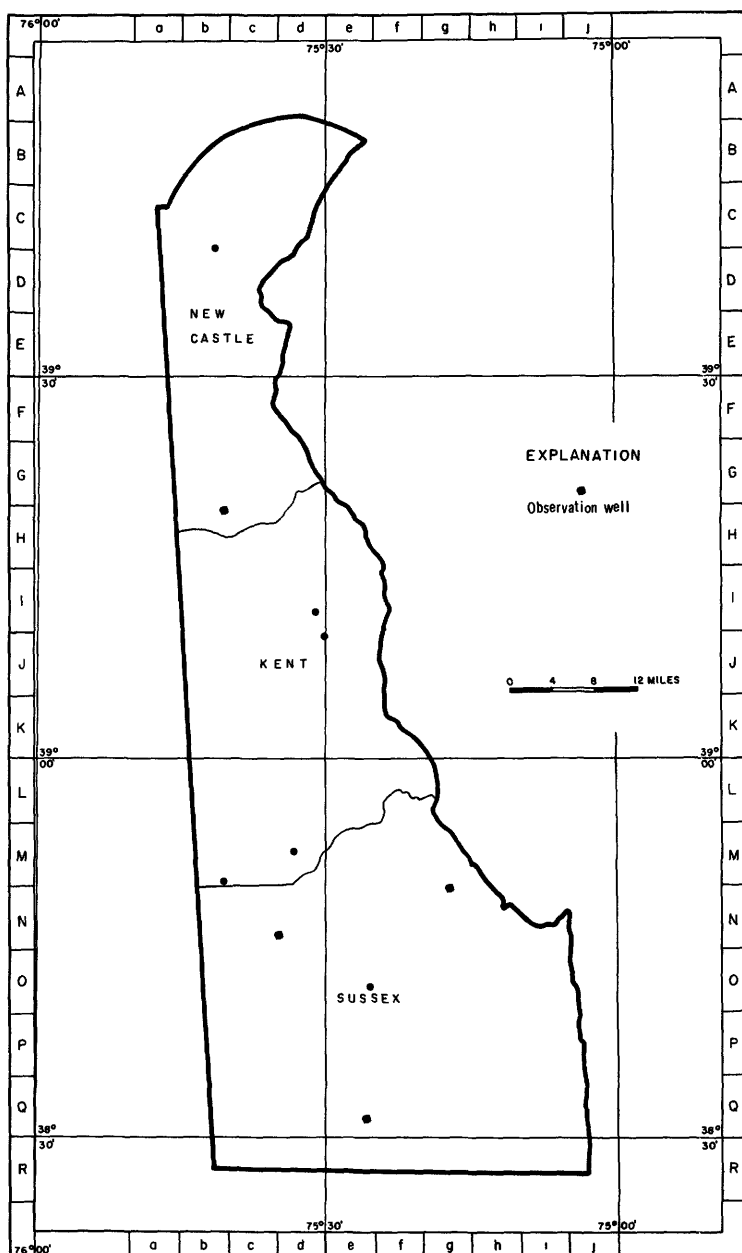


Figure 3.—Location of observation wells in Delaware, 1963-67.

385041N0753956.1. Local number Mc51-1. State Highway Dept. Near Adamsville. 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 msf. MP top of casing, at lsd. Highest water level 5.47 below lsd, Aug. 6, 1967; lowest 14.73 below lsd, Dec. 2, 1964. Records available: 1958-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 3, 1963 | 14.10 | Apr. 23, 1964 | 7.22 | July 16, 1965 | 12.90 | Nov. 16, 1966 | 12.82 |
| Feb. 15 | 12.98 | May 5 | 8.08 | Aug. 27 | 13.34 | Dec. 21 | 13.30 |
| Mar. 13 | 9.77 | 19 | 8.88 | Sept. 21 | 13.74 | Jan. 3, 1967 | 12.84 |
| Apr. 18 | 9.24 | June 16 | 10.22 | Oct. 25 | 14.09 | 24 | 12.25 |
| May 15 | 10.93 | Aug. 17 | 12.86 | Nov. 4 | 14.26 | Mar. 8 | 10.50 |
| June 21 | 11.05 | Sept. 8 | 13.54 | Dec. 6 | 14.70 | Apr. 12 | 10.40 |
| July 15 | 14.32 | Oct. 7 | 14.12 | Jan. 6, 1966 | 11.14 | May 19 | 10.40 |
| Aug. 13 | 12.38 | Nov. 9 | 14.55 | Mar. 16 | 13.76 | June 28 | 10.60 |
| Sept. 5 | 13.14 | Dec. 2 | 14.73 | May 3 | 12.97 | Aug. 6 | 5.47 |
| Oct. 3 | 13.62 | Jan. 4, 1965 | 14.18 | June 6 | 11.15 | Sept. 12 | 6.88 |
| Dec. 3 | 13.30 | Feb. 18 | 12.03 | Aug. 8 | 12.24 | Nov. 5 | 10.04 |
| Jan. 23, 1964 | 10.98 | Mar. 4 | 11.86 | 26 | 12.90 | Dec. 4 | 10.57 |
| Feb. 18 | 8.12 | Apr. 28 | 10.23 | Oct. 14 | 14.00 | 28 | 8.06 |
| Mar. 25 | 6.61 | June 2 | 11.49 | | | | |

385310N0753313.1. Local number Md22-1. State Highway Dept. Near Williamsville. 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 msf. MP top of casing, at lsd. Highest water level 1.83 below lsd, Mar. 21, 1963; lowest 11.14 below lsd, Jan. 6, 1966. Records available: 1958-67.

| | | | | | | | |
|---------------|------|---------------|-------|---------------|-------|---------------|------|
| Jan. 23, 1963 | 5.88 | Apr. 23, 1964 | 2.71 | July 19, 1965 | 8.59 | Nov. 16, 1966 | 9.66 |
| Feb. 14 | 4.98 | May 5 | 3.05 | Aug. 27 | 9.35 | Dec. 21 | 8.84 |
| Mar. 21 | 1.83 | 20 | 4.49 | Sept. 21 | 9.95 | Jan. 4, 1967 | 6.71 |
| Apr. 18 | 4.01 | June 16 | 6.64 | Oct. 25 | 10.46 | 24 | 6.16 |
| May 15 | 5.56 | Aug. 17 | 9.11 | Nov. 4 | 10.60 | Mar. 8 | 3.57 |
| June 21 | 5.53 | Sept. 8 | 9.90 | Dec. 6 | 10.95 | Apr. 12 | 4.32 |
| July 15 | 7.16 | Oct. 5 | 10.37 | Jan. 6, 1966 | 11.14 | May 31 | 4.60 |
| Aug. 13 | 8.39 | Nov. 9 | 10.56 | Mar. 16 | 8.43 | June 21 | 5.98 |
| Sept. 5 | 9.19 | Dec. 2 | 10.71 | May 3 | 5.66 | Aug. 6 | 2.27 |
| Oct. 1 | 9.70 | Jan. 4, 1965 | 9.14 | June 6 | 5.70 | Sept. 12 | 4.08 |
| Dec. 3 | 8.71 | Feb. 6 | 5.98 | July 26 | 8.98 | Nov. 5 | 4.14 |
| Jan. 23, 1964 | 3.88 | Mar. 4 | 5.62 | Aug. 26 | 9.50 | Dec. 4 | 3.21 |
| Feb. 18 | 2.45 | Apr. 28 | 4.56 | Oct. 14 | 10.56 | 28 | 2.37 |
| Mar. 25 | 1.97 | June 2 | 6.60 | | | | |

New Castle County

393854N0754154.1. Local number Db24-10. State Highway Dept. Near Ogletown. 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 msf. MP top of casing, at lsd. Highest water level 4.88 below lsd, May 12, 1958; lowest 17.43 below lsd, Feb. 10, 1966. Records available: 1957-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Feb. 13, 1963 | 14.82 | May 9, 1964 | 9.94 | Sept. 1, 1965 | 14.80 | Nov. 16, 1966 | 15.38 |
| Mar. 22 | 13.78 | 23 | 10.07 | 15 | 15.12 | Dec. 20 | 15.24 |
| Apr. 20 | 13.29 | June 18 | 12.74 | Oct. 12 | 15.63 | Jan. 3, 1967 | 15.10 |
| May 14 | 13.62 | Aug. 2 | 10.15 | Nov. 8 | 16.17 | 24 | 13.80 |
| June 12 | 14.14 | Sept. 3 | 13.13 | Dec. 6 | 16.65 | Mar. 2 | 11.69 |
| July 11 | 14.62 | Oct. 10 | 14.15 | Jan. 6, 1966 | 17.37 | Apr. 12 | 8.79 |
| Aug. 8 | 15.14 | Nov. 7 | 14.84 | Feb. 10 | 17.43 | May 16 | 9.00 |
| Sept. 10 | 15.72 | Dec. 8 | 15.55 | Mar. 16 | 16.87 | June 18 | 9.68 |
| Oct. 7 | 16.13 | Jan. 10, 1965 | 15.80 | Apr. 29 | 16.37 | July 25 | 10.75 |
| Nov. 14 | 16.66 | Feb. 13 | 15.10 | June 7 | 15.72 | Oct. 10 | 8.97 |
| Jan. 22, 1964 | 16.31 | Mar. 7 | 14.24 | July 21 | 15.66 | Nov. 4 | 10.02 |
| Feb. 17 | 15.15 | Apr. 30 | 12.60 | Sept. 19 | 16.37 | Dec. 5 | 11.01 |
| Mar. 20 | 13.59 | June 3 | 12.97 | Oct. 12 | 16.35 | 27 | 10.22 |
| Apr. 18 | 11.62 | July 30 | 14.09 | | | | |

391949N0754107.1. Local number Hb14-1. State Highway Dept. At Prices Corners. Bored observation water-table well in sand of Pleistocene age, diam 1 in, depth 19 ft, well point 16-19. Lsd about 72 ft above msf. MP top of casing, at lsd. Highest water level 1.49 below lsd, Apr. 7, 1958; lowest 11.95 below lsd, Aug. 31, 1936. Records available: 1957-67.

| | | | | | | | |
|---------------|-------|---------------|-------|--------------|-------|--------------|-------|
| Feb. 13, 1963 | 9.06 | May 23, 1964 | 5.45 | Dec. 6, 1965 | 11.07 | Jan. 4, 1967 | 10.69 |
| Mar. 19 | 4.35 | June 18 | 6.68 | Jan. 5, 1966 | 11.40 | 13 | 10.18 |
| Apr. 19 | 7.67 | Aug. 11 | 8.00 | Feb. 9 | 11.59 | 26 | 9.84 |
| May 15 | 8.07 | Sept. 2 | 8.60 | Mar. 17 | 11.02 | Feb. 13 | 9.56 |
| June 13 | 8.38 | Oct. 14 | 9.37 | Apr. 29 | 11.14 | 27 | 8.94 |
| July 10 | 8.85 | Nov. 5 | 9.79 | June 10 | 11.34 | Mar. 14 | 7.66 |
| Aug. 9 | 9.31 | Dec. 1 | 10.16 | July 21 | 11.63 | 31 | 7.29 |
| Sept. 10 | 9.82 | Jan. 13, 1965 | 9.84 | Aug. 31 | 11.95 | Apr. 28 | 7.51 |
| Oct. 7 | 10.17 | Mar. 7 | 8.20 | Sept. 29 | 11.94 | June 1 | 7.98 |
| Nov. 14 | 10.25 | Apr. 30 | 7.48 | Oct. 10 | 11.85 | Aug. 7 | 8.16 |
| Jan. 26, 1964 | 8.65 | June 3 | 8.10 | 22 | 11.31 | Oct. 10 | 8.90 |
| Feb. 17 | 7.86 | Aug. 9 | 9.33 | 26 | 11.13 | Nov. 4 | 9.26 |
| Mar. 27 | 5.77 | Sept. 14 | 9.95 | Nov. 11 | 11.03 | Dec. 5 | 9.42 |
| Apr. 15 | 5.11 | Oct. 11 | 10.46 | Dec. 12 | 11.15 | 27 | 8.82 |
| May 9 | 4.51 | Nov. 16 | 10.86 | | | | |

Sussex County

384639N0753531.1. Local number Nc45-1. P. H. Cannon. Near Greenwood. 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 13.12 below lsd, Sept. 12, 1966. Records available: 1950-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1963 | 11.22 | May 19, 1964 | 10.57 | Aug. 12, 1965 | 12.04 | Nov. 18, 1966 | 12.08 |
| Feb. 15 | 10.76 | June 16 | 11.56 | 27 | 11.73 | Dec. 22 | 12.34 |
| May 15 | 11.30 | Aug. 17 | 12.70 | Sept. 21 | 11.89 | Jan. 4, 1967 | 11.63 |
| July 11 | 11.88 | Sept. 9 | 13.07 | Oct. 23 | 12.30 | 24 | 11.28 |
| Aug. 13 | 12.53 | Oct. 5 | 12.60 | Nov. 4 | 12.35 | Mar. 1 | 10.01 |
| Sept. 10 | 13.00 | Nov. 9 | 12.58 | Dec. 7 | 12.54 | Apr. 10 | 10.83 |
| Oct. 3 | 12.59 | Dec. 2 | 12.47 | Jan. 6, 1966 | 12.64 | May 19 | 10.47 |
| Nov. 15 | 12.24 | Jan. 8, 1965 | 11.65 | Mar. 16 | 11.19 | June 30 | 11.67 |
| Jan. 23, 1964 | 9.65 | Feb. 18 | 10.50 | Apr. 26 | 11.17 | Aug. 1 | 11.09 |
| Feb. 21 | 8.90 | Mar. 4 | 10.87 | June 8 | 10.76 | Sept. 12 | 9.54 |
| Mar. 25 | 9.25 | Apr. 28 | 10.64 | Aug. 3 | 12.10 | Nov. 5 | 10.94 |
| Apr. 23 | 9.66 | June 2 | 11.59 | Sept. 12 | 13.12 | Dec. 4 | 10.95 |
| May 5 | 10.03 | July 16 | 12.38 | Oct. 14 | 12.91 | 28 | 9.97 |

384955N0751928.1. Local number Ng11-1. State Highway Dept. Near Jefferson Crossroads. 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 14.64 below lsd, Jan. 7, 1966. Records available: 1959-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 23, 1963 | 12.62 | Apr. 23, 1964 | 9.36 | July 15, 1965 | 13.33 | Nov. 21, 1966 | 13.65 |
| Feb. 11 | 12.04 | May 3 | 9.66 | Aug. 27 | 13.65 | Dec. 19 | 13.83 |
| Mar. 19 | 10.60 | 19 | 10.10 | Sept. 22 | 13.88 | Jan. 4, 1967 | 13.70 |
| Apr. 17 | 10.50 | June 16 | 11.09 | Oct. 24 | 14.30 | 26 | 13.19 |
| May 14 | 11.38 | Aug. 7 | 12.62 | Nov. 8 | 14.29 | Mar. 3 | 12.31 |
| June 19 | 12.19 | Sept. 8 | 13.36 | Dec. 7 | 14.52 | Apr. 23 | 11.37 |
| July 10 | 12.68 | Oct. 5 | 13.68 | Jan. 7, 1966 | 14.64 | May 16 | 11.68 |
| Aug. 12 | 13.35 | Nov. 2 | 13.99 | Mar. 21 | 13.16 | June 19 | 11.85 |
| Sept. 10 | 13.83 | Dec. 2 | 14.17 | Apr. 29 | 12.98 | July 28 | 11.78 |
| Oct. 10 | 14.03 | Jan. 6, 1965 | 14.03 | June 9 | 12.39 | Oct. 2 | 10.00 |
| Nov. 15 | 14.02 | Feb. 18 | 12.68 | July 27 | 12.41 | Nov. 5 | 11.15 |
| Jan. 23, 1964 | 11.84 | Mar. 4 | 12.58 | Sept. 1 | 13.28 | Dec. 4 | 11.81 |
| Feb. 24 | 10.23 | Apr. 28 | 12.12 | Oct. 17 | 13.86 | 28 | 11.19 |
| Mar. 25 | 9.77 | June 2 | 12.61 | | | | |

384055N0752346.1. Local number Of52-2. State Highway Dept. At Georgetown. 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 0.0 below lsd, Mar. 20, 1963; lowest 8.00 below lsd, Jan. 7, 1966. Records available: 1959-67. Well destroyed December 1967.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 23, 1963 | 4.34 | Apr. 23, 1964 | 0.89 | June 2, 1965 | 4.46 | Oct. 17, 1966 | 7.29 |
| Feb. 11 | 3.82 | May 3 | 1.23 | July 15 | 4.95 | Nov. 17 | 6.85 |
| Mar. 20 | 0.0 | 19 | 2.84 | Aug. 27 | 5.39 | Dec. 19 | 6.97 |
| Apr. 17 | 2.58 | June 16 | 4.62 | Sept. 22 | 6.24 | Jan. 4, 1967 | 5.72 |
| May 14 | 3.63 | Aug. 7 | 6.58 | Oct. 24 | 7.03 | 26 | 5.23 |
| June 19 | 3.60 | Sept. 8 | 7.38 | Nov. 8 | 7.28 | Mar. 3 | 2.81 |
| July 10 | 4.79 | Oct. 5 | 7.13 | Dec. 7 | 7.75 | Apr. 21 | 3.84 |
| Aug. 12 | 6.09 | Nov. 2 | 7.27 | Jan. 7, 1966 | 8.00 | May 16 | 2.59 |
| Sept. 10 | 7.09 | Dec. 2 | 7.41 | Mar. 21 | 4.97 | June 19 | 3.34 |
| Oct. 9 | 7.38 | Jan. 6, 1965 | 6.51 | Apr. 29 | 3.84 | July 28 | 3.42 |
| Nov. 15 | 7.28 | Feb. 18 | 3.09 | June 9 | 3.10 | Oct. 2 | 3.17 |
| Jan. 23, 1964 | 1.67 | Mar. 4 | 3.51 | July 27 | 4.90 | Nov. 5 | 4.02 |
| Feb. 24 | .65 | Apr. 28 | 2.53 | Sept. 1 | 6.55 | Dec. 4 | 3.01 |
| Mar. 25 | .34 | | | | | | |

383138N0752602.1. Local number Qe44-1. State Highway Dept. Near Whaleys Crossroads. 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 4.99 below lsd, Mar. 20, 1963; lowest 12.18 below lsd, Oct. 16, 1962. Sept. 8, 1964. Records available: 1959-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 23, 1963 | 7.12 | May 5, 1964 | 6.17 | July 19, 1965 | 9.09 | Nov. 18, 1966 | 10.97 |
| Feb. 25 | 7.02 | 20 | 7.40 | Aug. 27 | 8.26 | Dec. 22 | 11.04 |
| Mar. 20 | 4.99 | June 16 | 9.37 | Sept. 22 | 9.64 | Jan. 4, 1967 | 9.02 |
| Apr. 16 | 7.47 | Aug. 17 | 11.57 | Oct. 23 | 10.30 | 24 | 8.30 |
| May 13 | 7.89 | Sept. 8 | 12.18 | Nov. 8 | 10.62 | Mar. 4 | 6.43 |
| June 17 | 7.13 | Oct. 5 | 11.14 | Dec. 7 | 11.09 | Apr. 13 | 7.54 |
| Aug. 12 | 10.64 | Nov. 2 | 10.75 | Jan. 11, 1966 | 11.12 | May 17 | 6.76 |
| Sept. 10 | 11.47 | Dec. 2 | 10.39 | Mar. 18 | 7.32 | June 28 | 9.22 |
| Oct. 9 | 11.32 | Jan. 8, 1965 | 9.05 | Apr. 26 | 7.11 | Aug. 4 | 8.74 |
| Nov. 15 | 10.49 | Feb. 18 | 6.83 | June 8 | 6.97 | Oct. 3 | 7.28 |
| Jan. 23, 1964 | 5.58 | Mar. 4 | 7.38 | Aug. 1 | 10.24 | Nov. 5 | 8.30 |
| Feb. 24 | 5.33 | Apr. 28 | 6.81 | Sept. 2 | 11.68 | Dec. 4 | 7.01 |
| Mar. 25 | 5.07 | June 2 | 9.04 | Oct. 17 | 11.52 | 28 | 5.88 |
| Apr. 23 | 5.36 | | | | | | |

INDIANA

The observation-well program in Indiana was continued during the period 1963 through 1967 in cooperation with the Indiana Department of Natural Resources, 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, 1*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.

Adams County

404958N0845502.1. Local number Ad 5. Eleanor Reppert. Van Wert and Belmont Rds., Decatur. Drilled unused artesian well in limestone, diam 6 in, depth 144 ft, cased to 30. Lsd 790.85 ft above msl. MP top of casing, 0.75 ft above lsd. Highest water level 12.02 below lsd, Feb. 17, 1950; lowest 41.16 below lsd, June 30, 1966. Records available: 1950-66. Measurement discontinued Aug. 9, 1966.

| Water level at 2 a. m., from recorder graph, 1952-1957 | | | | | | | | | | | |
|--|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | ..... | 26.35 | ..... | ..... | 25.95 | 26.15 | 29.05 | 32.85 | 33.60 | 33.85 | 33.60 |
| 10 | h31.61 | 24.10 | 27.90 | 26.30 | 26.00 | 26.85 | 31.30 | 32.55 | 33.60 | 33.85 | 33.80 |
| 15 | ..... | 25.75 | 25.15 | 26.00 | 26.45 | 27.35 | ..... | 32.95 | 33.65 | 33.75 | 33.90 |
| 20 | 30.75 | 26.45 | ..... | 26.25 | 26.15 | 27.70 | 32.40 | 33.10 | 33.80 | 33.95 | 33.95 |
| 25 | 29.95 | 27.00 | 25.10 | 25.70 | ..... | 28.15 | 32.60 | 33.30 | 33.70 | 33.85 | 33.80 |
| Eom | ..... | 27.20 | 25.55 | ..... | 24.90 | 28.80 | 32.80 | 33.45 | 33.65 | 33.75 | 34.00 |
| 1953 | | | | | | | | | | | |
| 5 | 36.15 | 36.15 | 35.60 | 33.15 | 33.25 | 33.80 | ..... | 35.10 | 35.60 | 36.15 | ..... |
| 10 | 36.10 | 36.30 | 34.55 | 33.05 | 33.40 | 34.05 | 34.80 | 35.20 | 35.50 | 36.15 | ..... |
| 15 | 36.40 | 36.20 | 34.05 | 33.00 | 33.55 | 34.05 | 34.85 | 35.30 | 35.50 | 36.30 | 36.80 |
| 20 | 36.15 | 36.05 | 33.45 | 32.80 | 33.50 | 34.20 | 34.95 | 35.35 | 35.95 | 36.40 | 36.85 |
| 25 | 36.30 | 36.00 | 33.45 | 32.85 | 33.55 | 34.40 | 35.05 | 35.30 | 35.95 | ..... | 36.85 |
| Eom | 36.10 | 36.15 | ..... | 32.50 | 33.70 | 34.45 | 35.15 | 35.40 | 36.05 | 36.70 | 36.75 |
| 1954 | | | | | | | | | | | |
| 5 | 37.15 | 36.05 | ..... | 37.80 | ..... | 36.00 | 34.05 | 33.95 | 34.85 | 34.25 | ..... |
| 10 | ..... | ..... | 37.50 | 37.80 | 37.00 | 35.70 | 33.85 | 34.00 | 34.55 | 34.20 | 31.30 |
| 15 | 37.20 | ..... | 37.45 | 37.75 | 36.55 | 35.60 | 34.60 | 35.00 | 34.50 | 33.55 | 30.45 |
| 20 | ..... | 37.90 | 37.65 | 37.80 | 36.50 | 35.20 | 33.65 | 35.15 | 34.15 | 32.15 | 30.80 |
| 25 | ..... | h37.77 | 37.50 | 37.70 | 36.25 | 34.60 | 34.50 | 35.10 | 33.90 | 30.90 | 30.35 |
| Eom | 37.45 | ..... | 37.85 | 37.55 | 36.15 | 34.25 | 34.10 | 34.80 | 34.40 | 30.45 | ..... |
| 1955 | | | | | | | | | | | |
| 5 | ..... | 27.90 | ..... | 24.40 | ..... | 28.70 | 30.85 | 31.80 | 31.90 | 31.95 | 32.40 |
| 10 | ..... | 27.70 | ..... | 25.25 | 25.75 | 28.85 | 31.10 | 31.55 | 31.90 | 32.10 | 32.05 |
| 15 | 26.90 | 27.45 | 24.05 | 25.50 | 26.85 | ..... | ..... | 31.15 | 32.00 | 32.10 | 31.45 |
| 20 | 27.65 | 27.85 | 24.80 | 25.65 | 27.70 | 29.30 | 31.45 | 31.70 | 32.00 | 32.50 | 31.10 |
| 25 | 26.80 | 27.65 | 24.70 | 24.45 | ..... | 30.20 | 31.50 | 31.90 | 32.35 | 32.40 | 30.55 |
| Eom | 27.80 | 27.30 | 24.65 | 25.20 | 27.90 | 30.40 | 31.70 | 31.90 | ..... | ..... | 30.45 |
| 1956 | | | | | | | | | | | |
| 5 | 29.85 | 30.95 | 28.60 | 26.25 | 28.65 | 28.60 | 28.10 | 29.15 | 29.65 | ..... | 30.50 |
| 10 | 29.60 | 31.20 | 28.25 | 26.00 | 28.05 | 29.20 | 28.05 | 29.15 | 29.55 | 30.75 | 29.99 |
| 15 | 29.95 | 31.10 | 28.35 | 25.75 | 28.55 | 29.95 | 28.50 | 29.00 | 29.90 | 30.60 | 28.95 |
| 20 | 29.25 | 30.95 | 27.60 | 26.55 | 28.30 | ..... | 28.65 | 28.95 | 30.25 | 30.70 | 28.95 |
| 25 | 30.45 | 30.30 | 27.50 | 26.90 | 29.10 | 30.00 | 28.75 | 29.45 | 30.35 | 30.90 | 28.50 |
| Eom | 31.10 | 30.15 | 26.50 | 27.60 | 27.35 | 28.40 | 28.75 | 29.40 | 30.25 | 30.50 | 28.45 |
| 1957 | | | | | | | | | | | |
| 5 | 31.40 | 31.65 | 30.50 | 29.60 | 24.85 | 25.10 | 24.00 | ..... | 27.65 | 28.30 | 27.15 |
| 10 | 31.60 | 31.10 | 30.40 | 26.75 | ..... | 25.70 | 24.05 | ..... | 27.55 | 28.40 | 27.25 |
| 15 | 32.00 | 31.15 | 30.15 | 26.50 | 25.05 | 26.80 | 23.40 | 26.05 | 27.70 | 28.25 | 26.50 |
| 20 | 31.95 | 31.10 | 29.90 | 26.05 | 24.35 | 26.65 | 24.60 | 26.50 | 28.00 | 28.35 | 26.35 |
| 25 | 32.00 | 30.90 | 29.75 | 25.55 | 24.70 | 24.95 | 25.10 | 26.70 | 28.05 | 28.35 | 26.40 |
| Eom | 31.60 | 31.00 | 30.10 | 25.05 | 25.15 | 25.50 | 25.20 | 27.50 | 27.45 | 27.90 | 26.20 |

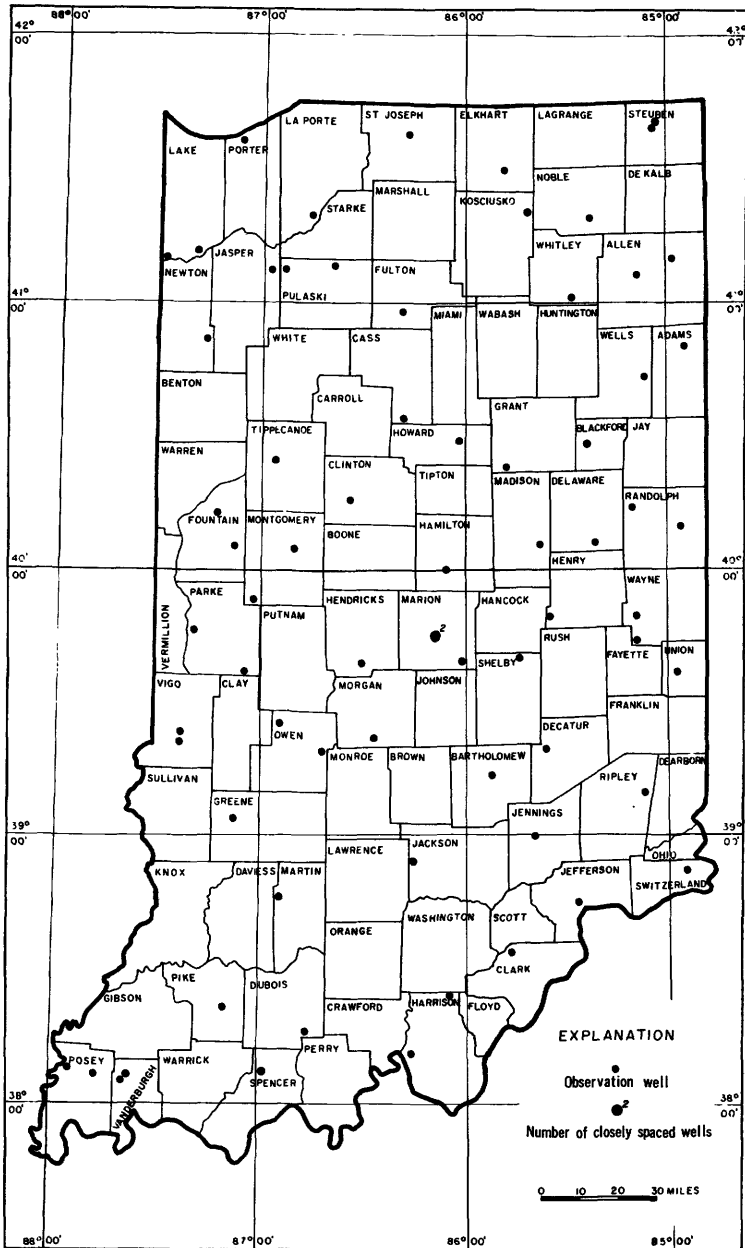


Figure 4.—Location of observation wells in Indiana, 1963-67.

404958N0845502.1--Continued.

| Highest water level for the day, from recorder graph, 1958-1966 | | | | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|---------------|---------------|--------------|--------------|--------------|---------------|--------------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 23.95 | 26.85 | 28.30 | 27.75 | 27.90 | 29.25 | ..... | 24.75 | 27.00 | 28.60 | 29.75 | 27.80 |
| 10 | 24.65 | 26.65 | 27.45 | 27.75 | 28.15 | 29.10 | ..... | 24.85 | 27.10 | 28.40 | 29.90 | 28.20 |
| 15 | 24.85 | 26.80 | 27.75 | 27.50 | 28.40 | 26.25 | ..... | 25.55 | 26.90 | 29.45 | 30.20 | 27.20 |
| 20 | 25.50 | 27.35 | 27.55 | 27.45 | 28.85 | ..... | ..... | 23.80 | 27.80 | 29.30 | 29.60 | 28.15 |
| 25 | 25.65 | 28.50 | 27.75 | 28.65 | 28.60 | ..... | ..... | 23.90 | 28.30 | 29.80 | 28.75 | 28.30 |
| Eom | 26.95 | 27.55 | 27.15 | 28.20 | 28.70 | ..... | 24.80 | 25.25 | 28.15 | 30.00 | 28.15 | 28.55 |
| 1959 | | | | | | | | | | | | |
| 5 | 28.25 | 26.15 | 23.95 | 24.15 | 21.30 | 21.45 | 23.25 | 25.20 | 27.65 | 31.20 | 31.50 | 31.50 |
| 10 | 28.65 | 25.00 | 23.80 | 24.50 | 22.00 | 22.35 | 23.95 | 25.45 | 27.55 | 31.60 | 31.75 | 31.65 |
| 15 | 28.25 | 23.15 | 23.30 | 25.10 | 23.10 | 22.80 | 24.30 | 26.20 | 30.05 | 31.85 | 31.60 | 31.30 |
| 20 | 29.20 | 23.45 | 24.80 | 24.10 | 21.90 | 23.35 | 24.40 | 26.50 | 30.40 | 31.70 | 31.55 | 31.00 |
| 25 | 27.35 | ..... | ..... | 24.85 | 21.00 | 24.50 | 25.00 | 26.75 | ..... | 31.45 | 31.70 | 30.70 |
| Eom | 26.25 | 23.70 | 24.90 | 22.25 | 20.55 | 24.25 | 25.20 | 26.95 | ..... | 31.70 | 31.15 | 30.75 |
| 1960 | | | | | | | | | | | | |
| 5 | 31.00 | 27.45 | 24.00 | 23.70 | 23.65 | 26.95 | 24.40 | 27.35 | 29.25 | ..... | 30.40 | 29.65 |
| 10 | 30.50 | 26.40 | ..... | 23.15 | 24.85 | 26.75 | 24.65 | 28.40 | 30.15 | 29.80 | 30.20 | 29.85 |
| 15 | 29.80 | 26.30 | 24.00 | ..... | 25.40 | 25.55 | 26.35 | 28.15 | 30.05 | 29.90 | 29.85 | 29.65 |
| 20 | 29.25 | 26.00 | 24.00 | 22.95 | 27.15 | 24.10 | 26.80 | 29.80 | 30.15 | 29.85 | 29.85 | 29.95 |
| 25 | 28.45 | 25.55 | 24.55 | 22.70 | 26.90 | 24.25 | ..... | 29.55 | 30.15 | 30.25 | 29.55 | 29.80 |
| Eom | 27.80 | ..... | 23.25 | 23.60 | ..... | 24.20 | 27.05 | 30.20 | 30.25 | 29.65 | 30.35 | 30.30 |
| 1961 | | | | | | | | | | | | |
| 5 | 30.85 | 32.65 | ..... | 28.30 | 24.65 | 25.65 | 28.05 | 30.95 | ..... | 30.85 | 31.15 | 32.20 |
| 10 | ..... | 32.75 | ..... | 27.85 | 25.10 | 26.70 | 28.95 | 31.90 | 31.30 | 30.85 | 31.75 | 32.40 |
| 15 | 31.45 | 33.75 | ..... | 28.80 | 24.60 | 27.30 | 30.15 | ..... | 31.45 | 30.75 | 31.80 | 32.70 |
| 20 | 31.85 | ..... | 30.35 | 27.15 | 25.40 | 27.55 | 30.20 | ..... | 31.15 | 30.85 | 31.55 | 32.60 |
| 25 | ..... | 32.25 | 29.00 | 25.95 | 25.30 | 27.25 | 31.15 | 32.35 | 30.85 | 30.60 | 31.90 | 32.25 |
| Eom | 32.25 | 32.55 | 28.20 | ..... | 25.85 | ..... | 30.85 | ..... | 30.80 | 30.40 | ..... | ..... |
| 1962 | | | | | | | | | | | | |
| 5 | 32.50 | 26.80 | 25.45 | 24.05 | 25.20 | 29.25 | 31.45 | 34.05 | 35.45 | 35.70 | 36.30 | 36.40 |
| 10 | ..... | 26.95 | 25.65 | 24.05 | 25.30 | 29.35 | ..... | 33.40 | 35.30 | 35.85 | 36.00 | 36.55 |
| 15 | 31.75 | 26.80 | 25.40 | 23.95 | 25.70 | 30.00 | 32.30 | 33.10 | 36.00 | 36.35 | 36.70 | 36.35 |
| 20 | 31.20 | 27.15 | 24.90 | e24.60 | 25.45 | 30.70 | 32.70 | 33.20 | 35.75 | 36.05 | 36.90 | 36.85 |
| 25 | 30.40 | 26.60 | 24.35 | 24.65 | 25.85 | 30.75 | 32.95 | 34.90 | 36.00 | e25.95 | 36.40 | 36.35 |
| Eom | 28.25 | 26.25 | 23.90 | 25.00 | 26.40 | ..... | 32.35 | 35.35 | 35.55 | 36.05 | 36.40 | 36.20 |
| 1963 | | | | | | | | | | | | |
| 5 | 36.75 | 36.55 | 36.70 | 34.50 | 33.50 | 25.45 | 37.35 | 37.25 | 37.55 | 38.05 | ..... | e36.40 |
| 10 | 35.95 | 36.00 | 36.00 | 34.15 | 34.25 | 35.40 | 37.85 | 37.25 | 37.60 | e38.25 | 37.95 | 37.90 |
| 15 | 36.30 | 36.55 | 35.55 | 33.80 | 34.25 | 35.85 | 37.85 | 37.45 | 37.50 | 38.05 | 37.75 | 37.50 |
| 20 | 36.00 | 36.20 | e34.85 | 34.25 | 34.25 | 36.10 | ..... | 37.25 | 37.95 | 37.95 | 37.50 | 37.15 |
| 25 | 36.35 | 36.40 | 34.50 | 33.80 | 34.90 | 36.30 | ..... | ..... | 38.05 | 36.10 | 37.35 | ..... |
| Eom | 36.25 | 37.10 | 24.55 | 32.85 | ..... | 36.60 | 37.25 | 37.55 | 37.95 | e37.93 | ..... | 37.35 |
| 1964 | | | | | | | | | | | | |
| 5 | 34.15 | 35.75 | 36.65 | 34.75 | 31.90 | e32.50 | 32.90 | 35.65 | 37.10 | 37.95 | 37.65 | 37.75 |
| 10 | 34.50 | 36.00 | 36.65 | 34.30 | 31.95 | 32.55 | h34.13 | 35.00 | 37.40 | 37.75 | 37.55 | 37.65 |
| 15 | ..... | 36.15 | 36.30 | 34.45 | ..... | 32.55 | ..... | 35.85 | 37.75 | 37.75 | 37.65 | 37.85 |
| 20 | ..... | 36.55 | 35.60 | 33.95 | 32.50 | 32.45 | 34.30 | 36.25 | ..... | 37.45 | e37.40 | 37.85 |
| 25 | 35.30 | 36.65 | 35.25 | 32.00 | 32.45 | 32.55 | 35.05 | 36.35 | 37.90 | 37.45 | 37.50 | 37.00 |
| Eom | 35.70 | 37.05 | 34.85 | 31.65 | ..... | 32.95 | 35.00 | 36.85 | ..... | 37.70 | ..... | 37.60 |
| 1965 | | | | | | | | | | | | |
| 5 | 37.15 | 37.55 | 36.30 | 35.15 | 34.10 | ..... | 34.75 | ..... | e35.05 | 36.55 | 36.65 | 36.65 |
| 10 | 37.65 | 37.55 | 36.45 | 34.65 | 34.35 | e34.00 | 35.05 | 35.35 | ..... | 36.60 | 36.50 | ..... |
| 15 | 37.55 | 37.25 | 35.85 | 34.40 | 34.05 | 34.15 | e35.20 | 35.55 | ..... | ..... | 36.27 | ..... |
| 20 | 37.65 | 36.80 | 35.90 | ..... | 34.25 | 34.05 | 35.30 | 35.70 | 36.30 | 36.65 | ..... | 36.60 |
| 25 | 37.65 | 36.60 | 35.55 | 34.10 | e33.80 | ..... | 35.35 | 35.95 | 36.80 | 36.55 | h36.46 | ..... |
| Eom | 37.60 | ..... | 35.50 | 34.10 | e33.80 | ..... | 34.95 | 36.10 | 36.40 | 36.20 | 36.75 | 37.65 |
| 1966 | | | | | | | | | | | | |
| 5 | 37.45 | 36.60 | ..... | 36.60 | 37.65 | 39.60 | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | 36.20 | 36.35 | e36.55 | 36.35 | 38.80 | 40.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | 36.65 | ..... | 36.55 | 36.05 | ..... | e40.25 | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 36.60 | 36.85 | ..... | ..... | ..... | 39.95 | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 36.50 | 36.35 | 36.55 | ..... | e39.00 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | ..... | 36.15 | 36.35 | 36.70 | 36.85 | h41.16 | ..... | ..... | ..... | ..... | ..... | ..... |

e Estimated.

h Tape measurement.

Allen County

410521N0850813.1. Local number A1 3. City of Fort Wayne. Lawton Park, Clinton and East 4th Sts. Drilled unlined 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, 1969; lowest 13.11 below lsd, Jan. 5, 6, 1962. Records available: 1944-66. Measurement discontinued Nov. 29, 1966.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|--|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 10.70 | 10.83 | e10.36 | h9.65 | ..... | 9.74 | 9.87 | ..... | 10.14 | 10.48 | 10.52 | ..... |
| 10 | 10.67 | 10.81 | 9.77 | 9.69 | e9.80 | 9.56 | 9.97 | ..... | 10.20 | 10.50 | 10.52 | ..... |
| 15 | 10.75 | 10.87 | h9.70 | 9.77 | 9.84 | 9.55 | 9.95 | ..... | 10.26 | 10.53 | 10.57 | ..... |
| 20 | 10.70 | 10.74 | 9.52 | ..... | 9.86 | 9.62 | e9.69 | 9.89 | 10.30 | ..... | 10.57 | ..... |
| 25 | 10.79 | ..... | 9.54 | 9.63 | 9.92 | 9.75 | 9.69 | 9.94 | e10.38 | ..... | 10.54 | ..... |
| Eom | 10.80 | ..... | 9.60 | 9.58 | 9.93 | 9.80 | e9.70 | 10.10 | 10.41 | 10.52 | 10.51 | ..... |

410521N0850813.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nw. | Dec. |
| 5 | 10.48 | 10.43 | 10.35 | ..... | 8.02 | 8.87 | 9.07 | 9.57 | 9.94 | 10.17 | 10.21 | 10.22 |
| 10 | 10.43 | 10.51 | 10.24 | ..... | 8.26 | 8.91 | 9.08 | ..... | 10.01 | 10.19 | 10.21 | 10.22 |
| 15 | 10.50 | 10.49 | 9.83 | h9.72 | 8.41 | 8.81 | 9.18 | ..... | 10.08 | 10.15 | 10.17 | 10.19 |
| 20 | 10.43 | 10.52 | 9.58 | 8.67 | 8.55 | 8.81 | 9.27 | ..... | 10.07 | 10.11 | 10.14 | 10.19 |
| 25 | 10.37 | 10.55 | ..... | 8.03 | 8.72 | 8.88 | 9.39 | h9.81 | 10.13 | 10.19 | 10.18 | 10.16 |
| Eom | 10.43 | 10.52 | ..... | 7.82 | 8.67 | 8.98 | 9.50 | 9.85 | 10.16 | 10.21 | 10.22 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | 9.46 | 8.32 | 8.28 | 7.98 | 8.71 | 9.28 | 9.38 | 9.65 | 9.82 | 9.70 | 9.60 |
| 10 | 10.02 | ..... | 7.85 | 7.72 | 8.05 | e8.75 | 9.27 | 9.40 | 9.72 | 9.85 | 9.68 | 9.71 |
| 15 | 10.02 | ..... | 7.88 | 7.70 | 8.23 | 8.84 | 9.33 | 9.47 | 9.72 | 9.88 | 9.59 | 9.50 |
| 20 | 10.02 | ..... | 8.04 | 7.92 | 8.46 | 8.98 | 9.29 | 9.52 | 9.72 | 9.86 | 9.62 | 9.42 |
| 25 | ..... | ..... | 8.20 | 7.80 | 8.60 | 9.14 | 9.15 | 9.54 | 9.76 | 9.68 | 9.66 | 9.17 |
| Eom | 9.37 | ..... | 8.29 | 7.81 | 8.64 | 9.22 | 9.30 | h9.59 | 9.75 | 9.82 | ..... | 8.80 |
| 1966 | | | | | | | | | | | | |
| 5 | 8.56 | 9.28 | 9.31 | 9.36 | 9.20 | 8.80 | 9.22 | 9.50 | 9.74 | 9.95 | ..... | ..... |
| 10 | 8.63 | 9.23 | 9.39 | 9.43 | 9.13 | 8.87 | 9.22 | 9.56 | 9.80 | 9.98 | ..... | ..... |
| 15 | 8.80 | 9.14 | 9.35 | 9.47 | 8.68 | 8.93 | 9.12 | 9.55 | 9.86 | 9.97 | ..... | ..... |
| 20 | 8.96 | 9.26 | 9.35 | 9.46 | 8.53 | 9.00 | 9.22 | 9.58 | e9.87 | 10.01 | ..... | ..... |
| 25 | e9.07 | 9.27 | 9.32 | 9.42 | 8.60 | 9.11 | 9.32 | 9.56 | ..... | 10.03 | ..... | ..... |
| Eom | h9.20 | 9.23 | 9.28 | 9.28 | 8.73 | 9.16 | 9.43 | e9.66 | h9.93 | 9.97 | ..... | ..... |

e Estimated.

h Tape measurement.

410847N0845703.1. Local number A1 6. U.S. Geol. Survey. Drilled observation artesian well in sand and gravel, diam 6 in, depth 84 ft. Lad about 760 ft above msf. MP top of casing, 2.50 ft above lad. Highest water level 8.30 below lad, Mar. 23, 1967; lowest 13.42 below lad, Oct. 14, 15, 1967. Records available: 1964-67. Recorder installed Dec. 20, 1966.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nw. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.87 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9.25 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | 10.09 | 9.32 | 9.86 | 9.21 | 9.88 | 10.46 | 11.22 | 11.97 | 12.78 | 13.33 | ..... | ..... |
| 10 | 10.28 | 9.63 | 10.01 | 9.06 | 9.52 | 10.57 | 11.32 | 12.11 | 12.92 | 13.35 | ..... | ..... |
| 15 | 10.49 | 9.21 | 8.98 | 8.82 | 8.88 | 10.77 | 11.48 | 12.32 | 13.01 | 13.39 | ..... | 9.23 |
| 20 | 10.69 | 9.00 | 8.92 | 9.28 | 9.34 | 10.87 | 11.58 | 12.40 | 13.13 | 13.10 | ..... | 9.18 |
| 25 | 10.76 | 9.62 | 8.45 | 9.00 | 9.79 | 11.00 | 11.70 | 12.58 | 13.22 | 13.10 | ..... | 10.23 |
| Eom | 10.19 | 9.81 | 9.01 | 9.42 | 10.17 | 11.06 | 11.81 | 12.64 | 13.22 | 13.07 | ..... | ..... |

Bartholomew County

391627N0855344.1. Local number Ba 4. City of Columbus. North side of Bakalar Air Force Base by cemetery. Drilled observation artesian well in sand and gravel, diam 6 in, depth 93 ft. Lad about 856 ft above msf. MP top of shelter floor at rear of recorder, 2.65 ft above lad. Highest water level 15.73 below lad, June 3, 4, 1967; lowest 20.61 below lad, Jan. 26, 27, 1985. Records available: 1965-67. Recorder installed Jan. 20, 1965.

| Highest water level for the day, from recorder graph, 1965 | | | | | | | | | | | | |
|--|--------|--------|-------|--------|--------|-------|-------|--------|-------|--------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nw. | Dec. |
| 5 | ..... | 20.53 | 19.09 | 18.29 | 17.00 | 17.00 | 17.76 | 18.32 | 18.80 | 19.09 | 19.37 | 19.65 |
| 10 | ..... | 20.47 | 18.97 | 18.19 | 16.71 | 17.12 | 17.86 | 18.39 | 18.88 | 19.13 | 19.40 | 19.70 |
| 15 | ..... | ..... | 18.79 | e18.10 | 16.62 | 17.23 | 17.96 | ..... | 18.94 | 19.19 | 19.44 | 19.74 |
| 20 | h20.58 | 19.69 | 18.63 | 18.03 | 16.64 | 17.36 | 18.05 | h18.54 | 18.97 | 19.24 | 19.48 | 19.78 |
| 25 | 20.60 | 19.38 | 18.49 | 17.77 | 16.73 | 17.49 | 18.12 | 18.61 | 19.00 | 19.30 | 19.53 | 19.82 |
| Eom | 20.66 | ..... | 18.38 | 17.43 | 16.87 | 17.63 | 18.23 | e18.73 | 19.04 | e19.33 | 19.59 | 19.86 |
| 1966 | | | | | | | | | | | | |
| 5 | 19.85 | 19.71 | 19.27 | 19.20 | 19.31 | 18.66 | 18.67 | 19.28 | 19.62 | 19.93 | 20.23 | 20.02 |
| 10 | 19.80 | 19.69 | 19.23 | 19.24 | 19.22 | 18.66 | 18.95 | 19.34 | 19.69 | 19.98 | 20.26 | 19.90 |
| 15 | 19.72 | 19.62 | 19.20 | e19.29 | ..... | 18.67 | 19.01 | 19.42 | 19.74 | 20.02 | 20.24 | 19.30 |
| 20 | e19.68 | 19.54 | 19.17 | 19.31 | e18.89 | 18.72 | 19.08 | 19.46 | 19.80 | 20.06 | 20.18 | 18.65 |
| 25 | 19.67 | h19.40 | 19.16 | 19.37 | 18.79 | 18.75 | 19.14 | 19.50 | 19.86 | 20.11 | e20.15 | 18.34 |
| Eom | 19.66 | 19.35 | 19.16 | 19.42 | 18.71 | 18.79 | 19.22 | 19.56 | 19.90 | 20.17 | h20.09 | 18.15 |
| 1967 | | | | | | | | | | | | |
| 5 | 18.12 | 18.29 | 18.03 | 17.03 | 17.00 | 15.74 | 16.52 | 17.47 | 18.28 | 18.96 | 19.49 | 19.85 |
| 10 | 18.12 | 18.20 | 18.00 | 16.92 | ..... | 15.79 | 16.65 | 17.60 | 18.39 | 19.05 | 19.55 | 19.73 |
| 15 | 18.15 | 18.12 | 17.91 | 16.86 | ..... | 15.93 | 16.81 | 17.75 | 18.51 | 19.15 | 19.61 | 19.67 |
| 20 | 18.21 | 18.09 | 17.79 | 16.88 | ..... | 16.06 | 16.97 | 17.88 | 18.63 | 19.24 | 19.68 | 19.58 |
| 25 | 18.25 | 18.08 | 17.64 | 16.95 | 15.96 | 16.20 | 17.11 | 18.02 | 18.74 | 19.32 | 19.73 | 19.40 |
| Eom | 18.34 | 18.04 | 17.29 | 16.94 | 15.76 | 16.36 | 17.30 | 18.15 | 18.85 | 19.41 | 19.81 | 19.01 |

e Estimated.

h Tape measurement.

Blackford County

402812N0852209.1. Local number Bf 1. Robert Wearnly. 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 $\frac{3}{4}$ -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: 1945-66. Measurement discontinued Nov. 30, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 3, 1963 | 4.42 | Jan. 16, 1964 | 1.92 | Nov. 14, 1964 | 5.52 | Sept. 11, 1965 | 6.32 |
| 10 | 3.42 | 24 | 2.32 | 21 | 2.42 | 20 | 4.22 |
| 18 | 4.92 | Mar. 10 | 3.52 | 27 | 3.52 | 25 | 4.32 |
| Feb. 5 | 5.32 | 16 | 2.22 | Dec. 19 | 4.42 | Oct. 2 | 5.02 |
| 12 | 7.02 | Apr. 15 | 2.48 | Jan. 26, 1965 | 2.11 | 9 | 5.12 |
| 19 | 7.22 | 26 | 2.22 | Feb. 11 | 3.82 | 16 | 4.12 |
| Mar. 6 | 7.12 | 27 | 1.82 | 19 | 2.92 | 23 | 2.22 |
| 14 | 2.22 | May 6 | 2.72 | Mar. 5 | 2.12 | 30 | 4.12 |
| 22 | 2.32 | 12 | 2.22 | 18 | 2.02 | Feb. 21, 1966 | 3.29 |
| Apr. 7 | 3.12 | 19 | 2.32 | Apr. 3 | 2.32 | 26 | 3.92 |
| 16 | 3.32 | 26 | 3.42 | 10 | 2.22 | Mar. 5 | 2.22 |
| 26 | 3.42 | June 2 | 3.92 | 17 | 2.32 | 12 | 2.12 |
| May 2 | 2.22 | 8 | 2.32 | 24 | 1.92 | 19 | 2.22 |
| 10 | 2.12 | 15 | 2.12 | May 1 | 2.32 | 26 | 2.22 |
| 22 | 2.52 | 22 | 2.22 | 9 | 2.92 | Apr. 6 | 2.12 |
| June 16 | 3.12 | 29 | 3.32 | 15 | 3.72 | 15 | 2.42 |
| 25 | 2.52 | July 6 | 4.22 | 22 | 4.02 | 26 | 2.12 |
| July 12 | 2.52 | 13 | 3.22 | 29 | 2.82 | May 5 | 2.82 |
| 22 | 2.42 | 22 | 4.12 | June 6 | 3.12 | 23 | 2.42 |
| Aug. 9 | 3.42 | 30 | 4.52 | 12 | 4.12 | 27 | 3.02 |
| 20 | 2.32 | Aug. 10 | 4.12 | 20 | 3.52 | June 18 | 3.52 |
| Sept. 21 | 4.82 | 16 | 4.52 | 26 | 4.82 | 25 | 4.12 |
| Oct. 4 | 5.72 | 22 | 5.12 | July 2 | 3.52 | July 2 | 4.82 |
| 14 | 6.12 | 28 | 5.42 | 10 | 4.52 | 14 | 5.12 |
| 21 | 6.32 | Sept. 5 | 5.42 | 17 | 4.42 | 22 | 5.32 |
| Nov. 1 | 5.92 | 12 | 5.52 | 24 | 4.82 | 29 | 5.42 |
| 7 | 5.32 | 21 | 2.32 | 30 | 5.22 | Aug. 5 | 5.52 |
| 14 | 5.42 | Oct. 4 | 4.12 | Aug. 10 | 6.52 | 13 | 5.42 |
| 21 | 3.92 | 16 | 5.92 | 14 | 5.82 | 26 | 4.72 |
| 30 | 4.12 | 24 | 5.72 | 21 | 6.02 | Sept. 24 | 3.52 |
| Dec. 24 | 6.52 | 30 | 6.12 | 28 | 6.22 | Oct. 7 | 5.02 |
| Jan. 3, 1964 | 6.22 | Nov. 7 | 6.42 | Sept. 4 | 6.32 | 28 | 5.42 |
| 9 | 2.12 | | | | | | |

Cass County

403407N0861757.1. Local number Cs 3. U.S. Geol. Survey. Drilled observation artesian well in dolomitic limestone, diam 6 in, depth 130 ft, cased to 78. Lsd about 780 ft above msl. MP top of shelter floor, 2.65 ft above lsd. Highest water level 4.13 below lsd, Dec. 21, 1967; lowest 6.98 below lsd, Dec. 1, 1967. Records available: 1967. Recorder installed Aug. 7, 1967.

Highest water level for the day, from recorder graph, 1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | | | | | | | | | 6.48 | 6.74 | 6.80 | 6.29 |
| 10 | | | | | | | | 6.17 | 6.52 | 6.72 | 6.79 | 5.59 |
| 15 | | | | | | | | 6.28 | 6.52 | 6.76 | 6.78 | 6.26 |
| 20 | | | | | | | | 6.31 | 6.45 | 6.65 | 6.68 | 6.16 |
| 25 | | | | | | | | 6.37 | 6.57 | 6.71 | 6.62 | 5.92 |
| Eom | | | | | | | | 6.41 | 6.48 | 6.74 | 6.58 | 5.96 |

Clark County

383427N0854739.1. Local number Cl 1. State of Indiana. Clark County State Forest. Dug unused water-table well in shale, diam 4 ft, depth 35 ft, cribbed with stone. Lsd about 680 ft above msl. MP top of recorder base at 1-in hole, 2.65 ft above lsd. Highest water level 0.30 below lsd, Mar. 24, 1961; lowest 33.49 below lsd, Dec. 29, 1965. Records available: 1936-66. Measurements made by State Forest personnel. Measurement discontinued.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 31.65 | e31.75 | 26.20 | 14.20 | 26.15 | 30.10 | 31.25 | 31.70 | 32.10 | 32.35 | 32.55 | .... |
| 10 | 31.60 | 31.75 | 22.00 | 15.85 | 27.35 | 30.30 | 31.30 | 31.80 | 32.15 | 32.40 | 32.55 | .... |
| 15 | 31.25 | 31.75 | 18.90 | 18.50 | 28.50 | 30.55 | 31.35 | 31.80 | 32.15 | 32.45 | 32.55 | .... |
| 20 | 31.40 | h31.83 | 14.15 | 21.45 | 28.85 | 30.80 | 31.50 | 31.90 | 32.30 | 32.45 | 32.60 | 32.85 |
| 25 | e31.50 | e31.90 | 15.05 | 23.85 | 28.95 | 31.00 | 31.55 | 32.00 | 32.30 | 32.50 | .... | 32.85 |
| Eom | e31.70 | 31.90 | 14.00 | 25.80 | 29.65 | 31.10 | 31.65 | 32.05 | .... | 32.55 | 32.65 | 132.93 |
| 1964 | | | | | | | | | | | | |
| 5 | 32.85 | h32.98 | .... | 17.90 | .... | e29.45 | 31.30 | h32.34 | 32.80 | e33.20 | 33.30 | e33.40 |
| 10 | 32.85 | .... | .... | e17.70 | .... | e30.15 | e31.60 | e32.40 | 32.85 | e33.25 | e33.40 | e33.40 |
| 15 | 32.90 | 33.00 | e10.65 | h19.52 | e21.95 | e30.60 | e31.75 | 32.45 | 32.90 | 33.30 | e33.40 | e33.45 |
| 20 | 32.90 | 33.00 | 13.30 | .... | e24.45 | 29.80 | 31.90 | 32.55 | 33.00 | 33.30 | e33.40 | e33.45 |
| 25 | 32.85 | .... | 14.70 | .... | 26.60 | 30.45 | 32.10 | e32.65 | e33.05 | 33.35 | h33.39 | e33.45 |
| Eom | 33.00 | 33.00 | 15.75 | .... | 28.50 | 30.95 | 32.20 | 32.70 | e33.10 | 33.30 | e33.40 | e33.40 |

383427N0854739.1—Continued.

| 1965 | | | | | | | | | | | | |
|---------------------|--------|--------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| 5 | 32.95 | 26.04 | 14.66 | 15.73 | h14.64 | e28.46 | 31.28 | 32.09 | ..... | 33.02 | 33.38 | 33.46 |
| 10 | ..... | e19.16 | 14.34 | ..... | ..... | e29.34 | 31.44 | 32.15 | 32.55 | 33.01 | 33.44 | 33.48 |
| 15 | 29.94 | 16.69 | 15.62 | 12.28 | 19.98 | e29.88 | ..... | 32.28 | 32.78 | 33.08 | 33.45 | 33.48 |
| 20 | h29.82 | 18.42 | ..... | 10.17 | 22.94 | 30.37 | ..... | ..... | 32.85 | 33.20 | 33.45 | 33.48 |
| 25 | ..... | 19.06 | ..... | 13.06 | 25.30 | 30.71 | 31.86 | ..... | 32.91 | 33.19 | 33.45 | 33.48 |
| Eom | 24.08 | 17.46 | h15.05 | 13.10 | 27.22 | 31.05 | 32.00 | ..... | 32.98 | 33.34 | 33.44 | ..... |
| 1966 | | | | | | | | | | | | |
| 5 | h32.81 | ..... | 16.27 | ..... | 9.30 | ..... | 30.40 | 31.82 | ..... | 32.80 | ..... | ..... |
| 10 | ..... | e15.26 | 17.09 | 25.87 | 9.98 | ..... | 30.66 | 31.92 | ..... | 32.91 | 33.28 | 21.58 |
| 15 | e15.58 | 13.36 | ..... | 14.74 | 15.08 | e27.17 | 31.03 | 32.06 | 32.67 | 32.96 | 33.36 | ..... |
| 20 | 19.28 | 14.03 | 15.07 | 15.10 | 16.64 | 28.45 | 31.27 | 32.18 | 32.71 | 33.02 | ..... | ..... |
| 25 | 22.50 | 15.84 | 16.09 | 14.11 | ..... | 29.36 | 31.48 | 32.27 | 32.73 | ..... | ..... | 25.83 |
| Eom | ..... | 16.59 | ..... | 9.30 | ..... | 29.97 | 31.67 | 32.31 | 32.75 | ..... | ..... | ..... |
| e Estimated. | | | | | | | | | | | | |
| h Tape measurement. | | | | | | | | | | | | |

Clinton County

401717N0863000.1. Local number Ct 4. City of Frankfort. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 12 in, depth 230 ft, cased with screen. Led 842.95 ft above mal. MP top of 13/16-in board, 0.50 ft above lsd. Highest water level 10.47 below lsd, May 19, 1967; lowest 42.60 below lsd, Aug. 11, 1949. Records available: 1949-67.

Water level at 2 a.m., from recorder graph, 1952

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|--|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|--------|-------|
| 5 | 25.00 | 26.30 | 25.15 | 23.85 | 25.70 | ..... | 29.20 | 37.90 | 38.15 | 41.45 | 29.00 | 27.95 |
| 10 | 25.45 | 26.40 | 24.70 | 24.20 | 25.20 | 22.80 | 24.90 | 38.30 | 38.00 | 41.00 | 28.50 | 27.65 |
| 15 | 23.10 | 26.15 | 24.55 | 24.05 | 24.85 | 24.85 | 25.30 | 27.80 | 37.65 | 39.35 | 28.70 | 27.80 |
| 20 | 22.65 | 25.65 | 24.25 | 24.75 | 24.95 | 26.40 | 25.75 | 35.95 | 41.00 | 32.10 | 28.55 | 27.65 |
| 25 | 25.10 | 25.60 | 23.75 | 25.10 | 25.40 | 25.60 | 26.10 | 38.85 | 41.10 | 29.35 | 28.35 | 27.45 |
| Eom | 26.70 | 25.20 | 22.45 | 25.80 | 25.65 | 25.80 | 36.25 | 39.65 | 39.80 | 28.95 | 28.25 | 27.20 |
| 1953 | | | | | | | | | | | | |
| 5 | 26.90 | 26.40 | 25.95 | 22.95 | 23.85 | ..... | 41.20 | 39.90 | 39.65 | 38.45 | 31.15 | 30.40 |
| 10 | 26.80 | 26.50 | 23.05 | 23.35 | 24.55 | ..... | 41.45 | 39.40 | 39.40 | 37.70 | 30.55 | 28.10 |
| 15 | 26.90 | 26.40 | 21.05 | 23.50 | 25.05 | ..... | 41.20 | 38.95 | ..... | 37.00 | 31.15 | 22.50 |
| 20 | 26.80 | 26.40 | 20.30 | 23.50 | 24.95 | 40.75 | ..... | 38.25 | 38.95 | 36.70 | 31.15 | 22.25 |
| 25 | 26.70 | 26.35 | 19.85 | 23.55 | ..... | 40.85 | 40.90 | 38.05 | 39.05 | 37.00 | 30.75 | 20.75 |
| Eom | 26.60 | 26.30 | 19.65 | 23.75 | ..... | ..... | 40.85 | 38.65 | 38.60 | 32.45 | 30.10 | 20.20 |
| 1954 | | | | | | | | | | | | |
| 5 | 19.75 | 23.90 | 29.50 | 28.15 | 28.35 | 28.05 | 29.25 | 30.90 | 30.50 | ..... | 30.90 | 28.10 |
| 10 | 20.25 | 26.95 | 28.85 | 27.65 | 27.80 | 28.60 | 30.20 | 29.55 | 31.45 | 32.95 | 30.10 | 28.30 |
| 15 | 21.35 | 28.15 | 28.60 | 26.85 | 28.95 | 28.45 | 30.35 | 29.45 | ..... | 31.60 | 29.15 | 28.05 |
| 20 | 21.05 | 29.65 | 28.20 | 26.25 | 28.40 | 28.90 | 29.60 | 28.85 | 30.70 | 30.55 | ..... | 28.60 |
| 25 | 20.85 | 29.05 | 27.80 | 27.10 | 28.10 | 36.50 | 30.55 | 28.45 | 32.55 | 29.45 | ..... | 28.20 |
| Eom | 21.40 | 29.40 | 27.75 | 28.25 | 27.05 | 37.60 | 31.90 | 28.40 | 32.85 | 30.55 | 27.30 | 25.15 |
| 1955 | | | | | | | | | | | | |
| 5 | 27.40 | 27.05 | 25.40 | 24.75 | 25.85 | 28.30 | 30.35 | 28.85 | ..... | 33.30 | 30.80 | 29.50 |
| 10 | 28.10 | 26.30 | 24.60 | 25.55 | 24.85 | 28.30 | 31.40 | 28.85 | 35.50 | ..... | ..... | 28.65 |
| 15 | 28.25 | 25.30 | 24.15 | 25.70 | 26.40 | 28.75 | 31.70 | 30.80 | 35.55 | 32.05 | 29.85 | 28.70 |
| 20 | 27.65 | 26.50 | ..... | 24.90 | 27.20 | 29.65 | ..... | 33.85 | ..... | ..... | 30.30 | 28.00 |
| 25 | 27.00 | 26.50 | ..... | 23.90 | 27.45 | 30.95 | 26.95 | 34.80 | ..... | 30.45 | ..... | ..... |
| Eom | 25.85 | 24.90 | 24.55 | 25.70 | ..... | ..... | 30.75 | 28.55 | 34.60 | ..... | 30.20 | 29.45 |
| 1956 | | | | | | | | | | | | |
| 5 | 27.30 | 27.20 | 23.20 | 22.25 | 23.15 | 22.40 | 21.55 | 21.40 | 28.25 | 31.15 | 24.20 | 24.80 |
| 10 | 27.85 | 25.60 | 23.80 | 21.45 | 22.15 | 23.40 | 21.25 | 21.80 | 30.50 | 29.60 | 24.50 | ..... |
| 15 | 27.15 | ..... | 23.35 | 21.70 | 22.05 | 23.65 | 21.30 | 22.15 | 31.50 | 29.00 | 23.95 | 24.00 |
| 20 | 27.10 | 23.65 | 22.85 | 22.75 | 22.70 | 23.45 | 21.20 | 22.50 | 31.45 | 26.50 | ..... | ..... |
| 25 | 27.10 | 23.60 | 22.50 | 22.55 | 22.90 | 22.95 | 21.20 | 22.95 | 31.35 | ..... | 23.00 | 18.80 |
| Eom | 27.00 | 22.95 | 22.55 | 22.15 | 22.20 | 22.85 | 21.30 | ..... | 31.30 | 24.35 | 24.45 | 17.55 |
| 1957 | | | | | | | | | | | | |
| 5 | 20.90 | 21.15 | 21.65 | 21.40 | 20.55 | 22.40 | h24.13 | 21.35 | 24.40 | 26.15 | 20.75 | 19.00 |
| 10 | 21.45 | 21.00 | 22.25 | 19.70 | 21.15 | 22.80 | 25.35 | 21.35 | 24.35 | 25.80 | 20.65 | 16.75 |
| 15 | 21.70 | 20.85 | 22.05 | 19.95 | 20.50 | 24.75 | ..... | 21.40 | 26.25 | ..... | 20.30 | 18.50 |
| 20 | 21.75 | 21.60 | 21.85 | 20.95 | 19.95 | 24.15 | 25.70 | 21.60 | 26.65 | 22.95 | 19.90 | 17.60 |
| 25 | 21.50 | 22.00 | ..... | 20.70 | 23.15 | 23.85 | 22.90 | 23.00 | 25.80 | 21.80 | 20.00 | 16.00 |
| Eom | 21.45 | 21.50 | 22.25 | 20.30 | 23.55 | ..... | 21.50 | 23.80 | 26.10 | 21.25 | 19.10 | 15.75 |
| Highest water level for the day, from recorder graph, 1958 | | | | | | | | | | | | |
| 5 | 16.75 | 16.70 | 18.00 | 18.60 | 18.40 | 20.60 | 20.50 | ..... | 25.45 | 24.70 | 16.35 | 14.45 |
| 10 | 17.15 | 17.10 | 17.90 | 18.80 | 19.50 | 19.65 | 20.80 | ..... | ..... | 24.55 | 15.90 | 14.30 |
| 15 | 16.85 | 17.55 | 17.90 | 18.55 | 20.55 | 20.20 | ..... | h19.45 | 24.05 | 23.30 | 15.55 | 14.05 |
| 20 | 16.60 | 17.85 | 17.80 | 19.65 | 20.05 | 19.90 | ..... | 20.15 | 24.45 | ..... | 15.25 | 14.00 |
| 25 | 16.80 | 17.75 | 17.70 | 19.60 | 20.65 | 20.00 | h19.96 | ..... | 25.15 | 21.30 | 14.25 | 14.05 |
| Eom | 16.70 | 17.80 | 18.15 | 18.75 | 20.60 | 19.90 | 19.45 | ..... | 24.90 | 17.90 | 14.70 | ..... |
| 1959 | | | | | | | | | | | | |
| 5 | 13.95 | 14.85 | 19.50 | 17.15 | 18.65 | 20.35 | 24.95 | 24.35 | ..... | 29.45 | 24.75 | 23.70 |
| 10 | 14.00 | 13.45 | 19.60 | 17.30 | 19.40 | 21.80 | 25.20 | 26.40 | ..... | 29.05 | 24.55 | 23.65 |
| 15 | 14.85 | 17.20 | 19.65 | 19.20 | 19.60 | 22.35 | 25.35 | 27.15 | 32.35 | 28.15 | ..... | 23.50 |
| 20 | 15.85 | 19.20 | 19.85 | 19.40 | 19.70 | 23.35 | 25.35 | 27.55 | 32.20 | 27.45 | e24.10 | 23.60 |
| 25 | 16.35 | 19.65 | 19.80 | 19.00 | ..... | 23.90 | 25.05 | ..... | 32.30 | 26.00 | 23.90 | 23.60 |
| Eom | 16.10 | 19.65 | 19.50 | ..... | 20.15 | 24.55 | 24.90 | ..... | 30.80 | 25.25 | 23.80 | 23.20 |

392022N0853718.1--Continued.

| 1967 | | | | | | | | | | | |
|------|-------|------|------|------|------|------|------|------|-------|------|------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | .... | 1.42 | 1.42 | 3.52 | 1.36 | 4.61 | 7.17 | 7.91 | 8.62 | 9.08 | 8.85 e2.85 |
| 10 | h4.85 | 3.47 | .83 | 4.21 | 1.01 | 5.20 | 7.39 | 8.02 | 8.72 | 9.08 | 8.90 3.05 |
| 15 | 5.27 | 4.25 | .69 | 4.76 | .51 | 5.75 | 7.63 | 8.13 | 8.82 | 9.15 | 9.00 2.50 |
| 20 | 5.76 | 4.70 | .... | 5.30 | 1.28 | 6.26 | 7.66 | 8.24 | e8.87 | .... | 9.10 2.95 |
| 25 | 6.07 | 5.26 | 1.18 | 4.38 | 3.08 | 6.60 | 7.77 | 8.36 | 8.95 | .... | 9.10 .90 |
| Eom | 4.34 | 5.58 | 1.83 | 4.84 | 4.05 | 6.92 | 7.81 | 8.48 | 9.01 | .... | 8.90 3.15 |

e Estimated.

h Tape measurement.

Delaware County

400541N0852137.1. Local number Dw 4. U.S. Geol. Survey. Drilled observation artesian well in sand and gravel, diam 6 in, depth 91 ft, cased to 89, screened 89-91. Lsd about 1,010 ft above msl. MP top of shelter floor, 3.40 ft above lsd. Highest water level 46.81 below lsd, Dec. 10, 1966; lowest 49.50 below lsd, Oct. 13, 14, 1966. Records available: 1966-67. Recorder installed Oct. 13, 1966.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | | | | | | | | | | | 49.46 49.02 |
| 10 | | | | | | | | | | | 49.20 49.81 |
| 15 | | | | | | | | | | 49.47 | 49.23 47.56 |
| 20 | | | | | | | | | | 49.47 | 49.32 48.18 |
| 25 | | | | | | | | | | 49.48 | 49.37 48.56 |
| Eom | | | | | | | | | | 49.48 | 49.12 48.80 |

| 1967 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 48.92 | 48.46 | 48.42 | 47.75 | 48.56 | 48.63 | 48.90 | 49.09 | 49.27 | 49.30 | 49.17 48.60 |
| 10 | 48.90 | 48.64 | 48.22 | 47.74 | 47.98 | 48.70 | 48.92 | 49.13 | 49.30 | 49.33 | 49.24 48.42 |
| 15 | 48.99 | 48.78 | 48.31 | 48.11 | 48.02 | 48.80 | 48.95 | 49.17 | 49.31 | 49.31 | 49.27 48.42 |
| 20 | 49.05 | 48.86 | 48.29 | 48.35 | 48.25 | 48.85 | 48.98 | 49.19 | 49.31 | 49.27 | 49.27 48.60 |
| 25 | 49.07 | 48.91 | 48.18 | 48.40 | 48.42 | 48.82 | 49.02 | 49.22 | 49.32 | 49.29 | 49.27 48.41 |
| Eom | 48.81 | 48.94 | 47.83 | 48.51 | 48.51 | 48.86 | 49.06 | 49.24 | 49.31 | 49.32 | 49.27 48.87 |

Dubois County

38153N0864720.1. Local number Du 2. State of Indiana. Ferdinand State Forest. Drilled unused well in limestone, diam 6 in, depth 33 ft. Lsd about 530 ft above msl. MP top concrete pumpbase at opening, 0.3 ft above lsd. Highest water level 1.27 below lsd, Mar. 10, 1964; lowest 18.45 below lsd, Nov. 13, 1944. Records available: 1936-37, 1942-68. Measurement discontinued Nov. 30, 1966.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|--|--------|--------|-------|--------|--------|--------|--------|--------|-------|-------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | .... | 15.81 | 3.80 | e14.13 | 14.98 | 14.70 | 14.30 | h14.73 | 14.97 | 15.80 | 16.80 16.82 |
| 10 | .... | 15.57 | 14.17 | 14.17 | 14.89 | e14.66 | e13.96 | 14.89 | 15.02 | 16.02 | 16.83 16.79 |
| 15 | 15.63 | 15.66 | 13.90 | 14.79 | 14.93 | 14.47 | h14.32 | 15.08 | 15.09 | 16.25 | 16.93 e16.79 |
| 20 | e15.55 | 15.63 | .... | 14.83 | h14.50 | 14.54 | .... | 15.22 | 15.16 | 16.40 | 16.98 16.87 |
| 25 | 15.68 | e15.68 | .... | 15.05 | 14.71 | e14.73 | .... | 15.32 | 15.35 | 16.50 | 16.94 16.94 |
| Eom | 15.79 | 15.66 | .... | 14.89 | 14.66 | .... | .... | 15.31 | 15.47 | 16.71 | 16.84 17.02 |

| 1964 | | | | | | | | | | | |
|------|--------|-------|-------|-------|-------|-------|--------|-------|-------|--------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 16.99 | 16.76 | .... | 8.87 | 14.74 | 15.21 | .... | 15.37 | 16.25 | 16.75 | 17.31 16.47 |
| 10 | 16.87 | 16.75 | 1.27 | 14.91 | 15.17 | 15.18 | .... | 15.68 | 16.58 | 16.85 | 17.26 |
| 15 | .... | 16.70 | 15.03 | 15.34 | 15.41 | 15.26 | .... | 16.09 | 16.86 | 16.95 | 16.55 |
| 20 | h16.48 | 16.62 | 15.22 | 14.95 | 15.55 | .... | h15.55 | 16.33 | 17.07 | .... | .... |
| 25 | 16.49 | 16.59 | 14.05 | 14.01 | 15.49 | .... | .... | 16.13 | 17.04 | h17.25 | 17.13 |
| Eom | 16.72 | 16.57 | 15.49 | .... | 15.04 | .... | 15.33 | 16.09 | 16.84 | 17.30 | e16.97 16.53 |

| 1965 | | | | | | | | | | | |
|------|--------|--------|-------|--------|--------|--------|-------|--------|--------|--------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | .... | .... | .... | h14.89 | .... | .... | 15.05 | .... | 16.34 | .... | .... |
| 10 | 14.39 | .... | .... | 13.85 | h15.16 | 15.15 | 14.53 | .... | 16.34 | .... | 16.23 16.47 |
| 15 | .... | h14.85 | .... | 14.86 | 15.13 | 15.18 | 14.85 | .... | 14.48 | 15.98 | h16.30 16.35 |
| 20 | .... | .... | 14.31 | 13.05 | 15.19 | e15.47 | .... | e16.61 | e15.82 | 16.02 | 16.37 |
| 25 | h15.31 | .... | .... | 14.36 | 15.17 | 15.55 | .... | 16.77 | 15.84 | h16.06 | 16.37 16.39 |
| Eom | .... | .... | 13.23 | .... | .... | 15.42 | .... | 16.77 | 15.81 | .... | 16.37 16.38 |

| 1966 | | | | | | | | | | | |
|------|--------|-------|--------|-------|-------|-------|--------|-------|--------|-------|------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | .... | 16.23 | 14.92 | .... | 13.57 | 14.63 | h15.92 | 16.37 | .... | 16.03 | 16.35 |
| 10 | h15.39 | e6.32 | 15.46 | 15.54 | 14.56 | .... | 16.10 | 14.68 | 16.05 | 16.10 | 13.37 |
| 15 | 15.85 | 14.15 | e14.15 | .... | .... | 15.15 | 16.27 | 14.16 | 16.02 | 15.63 | 15.97 |
| 20 | 16.03 | 14.64 | 14.98 | 14.28 | .... | 15.21 | .... | 15.95 | e15.96 | 16.15 | 16.20 |
| 25 | 16.11 | 15.25 | 15.28 | h8.92 | 12.85 | 15.34 | .... | 16.03 | 15.95 | 16.23 | 16.21 |
| Eom | 16.17 | 15.43 | 15.31 | .... | 14.00 | 15.62 | 16.14 | 16.14 | 15.93 | 16.30 | 16.08 |

e Estimated.

h Tape measurement.

Elkhart County

413121N0854813.1. Local number Eh 4. U.S. Geol. Survey. Goshen Municipal Airport. Drilled observation water-table well in sand and gravel, diam 6 in, depth 62 ft. Lsd about 815 ft above msl. MP top of shelter floor, 2.60 ft above lsd. Highest water level 13.09 below lsd, Apr. 21, 22, 1967; lowest 15.53 below lsd, Dec. 2-4, 1966. Records available: 1966-67. Recorder installed Nov. 28, 1966.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.61 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.16 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.62 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.39 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.32 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.52 14.31 |
| 1967 | | | | | | | | | | | |
| 5 | 14.35 | 14.72 | 14.50 | 13.48 | 13.27 | 13.64 | 14.04 | 14.72 | 15.14 | 15.40 | 15.33 14.85 |
| 10 | 14.43 | 14.69 | 14.37 | 13.26 | 13.28 | 13.72 | 14.16 | 14.80 | 15.20 | 15.44 | 15.16 14.79 |
| 15 | 14.51 | 14.71 | 14.11 | 13.14 | 13.32 | 13.80 | 14.27 | 14.89 | 15.25 | 15.47 | 15.04 14.67 |
| 20 | 14.59 | 14.61 | 13.99 | 13.10 | 13.39 | 13.86 | 14.39 | 14.99 | 15.31 | 15.39 | 14.94 14.39 |
| 25 | 14.62 | 14.60 | 13.84 | 13.16 | 13.46 | 13.90 | 14.48 | 15.05 | 15.31 | 15.39 | 14.88 13.86 |
| Eom | 14.68 | 14.55 | 13.68 | 13.16 | 13.55 | 13.95 | 14.61 | 15.09 | 15.35 | 15.40 | 14.87 13.49 |

Fountain County

400626N0870936.1. Local number Fo 1. Merchants & Farmers Telephone Co. Hillsboro. 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: 1944-66. Measurement discontinued July 4, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 1, 1963 | 39.70 | Oct. 15, 1963 | 42.20 | July 29, 1964 | 40.15 | June 2, 1965 | 40.26 |
| 8 | 39.50 | 22 | 42.00 | Aug. 7 | 40.48 | 11 | 39.84 |
| 15 | 37.90 | 29 | 42.20 | 13 | 40.93 | 20 | 40.04 |
| 22 | 38.60 | Nov. 5 | 42.10 | 21 | 41.15 | 30 | 40.25 |
| 29 | 38.40 | 12 | 41.70 | 30 | 41.34 | July 8 | 40.29 |
| Feb. 5 | 38.80 | 19 | 42.10 | Sept. 4 | 41.48 | 21 | 39.38 |
| 12 | 39.50 | 26 | 41.80 | 10 | 41.64 | 30 | 39.41 |
| 19 | 38.80 | Dec. 3 | 41.70 | 19 | 41.99 | Aug. 16 | 39.91 |
| 26 | 39.40 | 10 | 41.90 | 26 | 42.24 | 23 | 40.43 |
| Mar. 5 | 40.10 | 17 | 41.80 | Oct. 3 | 42.03 | Sept. 3 | 40.58 |
| 12 | 40.60 | 24 | 41.70 | 9 | 42.18 | 17 | 40.86 |
| 19 | 40.50 | 31 | 42.00 | 17 | 42.07 | Oct. 2 | 40.47 |
| 26 | 38.10 | Jan. 7, 1964 | 41.81 | 24 | 42.11 | 11 | 40.49 |
| Apr. 2 | 39.30 | 14 | 42.70 | 31 | 42.12 | 18 | 40.87 |
| 9 | 39.30 | 21 | 41.90 | Nov. 7 | 42.40 | 30 | 41.12 |
| 16 | 39.50 | 28 | 41.44 | 14 | 42.49 | Nov. 6 | 41.40 |
| 23 | 39.80 | Feb. 5 | 41.08 | 21 | 42.59 | 13 | 41.71 |
| 30 | 39.50 | 13 | 41.40 | 28 | 42.64 | 23 | 41.96 |
| May 7 | 38.90 | 20 | 41.41 | Dec. 5 | 42.55 | Dec. 4 | 42.15 |
| 14 | 38.60 | 27 | 40.99 | 12 | 42.45 | 11 | 42.09 |
| 21 | 39.70 | Mar. 6 | 41.01 | 19 | 42.29 | 29 | 42.14 |
| 28 | 39.60 | 13 | 40.61 | 26 | 42.59 | Jan. 8, 1966 | 41.87 |
| June 4 | 39.80 | 20 | 39.91 | Jan. 2, 1965 | 42.59 | 18 | 41.91 |
| 11 | 39.60 | 27 | 40.19 | 9 | 42.30 | 24 | 42.21 |
| 18 | 39.50 | Apr. 3 | 40.15 | 18 | 42.26 | Feb. 2 | 42.45 |
| 25 | 40.60 | 11 | 39.51 | 25 | 42.07 | 12 | 42.29 |
| July 2 | 40.50 | 18 | 39.76 | 30 | 41.59 | 23 | 42.21 |
| 9 | 40.60 | 25 | 37.30 | Feb. 8 | 41.95 | Mar. 3 | 42.08 |
| 16 | 40.90 | May 1 | 37.48 | 13 | 41.24 | 12 | 42.14 |
| 23 | 40.60 | 8 | 37.93 | 22 | 41.45 | 23 | 42.12 |
| 30 | 40.20 | 15 | 38.74 | Mar. 1 | 41.75 | Apr. 9 | 42.09 |
| Aug. 6 | 41.10 | 22 | 39.21 | 8 | 41.71 | 16 | 42.04 |
| 13 | 40.80 | 27 | 39.61 | 15 | 41.42 | 23 | 42.08 |
| 20 | 40.60 | June 5 | 39.96 | 29 | 41.73 | 30 | 41.75 |
| 27 | 40.50 | 12 | 40.03 | Apr. 5 | 41.39 | May 14 | 41.23 |
| Sept. 3 | 41.70 | 19 | 39.97 | 12 | 40.46 | 20 | 41.14 |
| 10 | 41.60 | 26 | 39.58 | 21 | 40.21 | 31 | 41.22 |
| 17 | 41.30 | July 3 | 41.44 | 27 | 39.94 | June 4 | 41.35 |
| 24 | 41.10 | 10 | 39.88 | May 7 | 39.63 | 15 | 41.51 |
| Oct. 1 | 42.00 | 17 | 39.96 | 17 | 39.78 | 23 | 41.15 |
| 8 | 42.10 | 24 | 39.77 | 25 | 39.98 | July 4 | 41.55 |

400900N0871910.1. Local number Fo 2. U.S. Geol. Survey. Drilled observation artesian well in Pennsylvanian fine-grained sandstone, diam 6 in, depth 125 ft, cased 0-27. Lsd 642.38 ft above msl. MP top of recorder platform, 2.60 ft above lsd. Highest water level 1.52 below lsd, Dec. 25, 1967; lowest 6.53 below lsd, Oct. 11, 1967. Records available: 1967. Recorder installed July 25, 1967.

400900N0871910.1--Continued.

Highest water level for the day, from recorder graph, 1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | | | | | | | | 4.05 | 5.54 | 6.34 | 5.76 | 3.75 |
| 10 | | | | | | | | 4.15 | 5.76 | 6.38 | 5.48 | 2.69 |
| 15 | | | | | | | | 4.39 | 5.92 | 6.43 | 5.48 | 2.21 |
| 20 | | | | | | | | 4.61 | 6.00 | 6.21 | 5.37 | 1.96 |
| 25 | | | | | | | 4.31 | 4.92 | 6.16 | 6.15 | 5.32 | 1.52 |
| Eom | | | | | | | 4.27 | 5.24 | 6.16 | 6.13 | 5.28 | 1.85 |

Fulton County

405829N0861758.1. Local number Fu 7. U.S. Geol. Survey. Drilled observation artesian well in medium-grained sand and gravel, diam 6 in, depth 102 ft, cased to 100, screened 100-102. Led about 780 ft above msl. MP top of shelter floor, 2.50 ft above lsd. Highest water level 7.82 below lsd, Dec. 25, 30, 1967; lowest 11.16 below lsd, Oct. 12-15, 1967. Records available: 1967. Recorder installed Aug. 7, 1967.

Highest water level for the day, from recorder graph, 1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|-------|-------|-------|-------|------|
| 5 | | | | | | | | | | 11.06 | 10.86 | 9.80 |
| 10 | | | | | | | | | | 11.06 | 10.70 | 8.92 |
| 15 | | | | | | | | | | 11.15 | 10.58 | 8.24 |
| 20 | | | | | | | | | 10.74 | 11.05 | 10.45 | 8.08 |
| 25 | | | | | | | | | 10.85 | 11.00 | 10.30 | 7.82 |
| Eom | | | | | | | | 10.32 | 10.92 | 11.07 | 10.34 | 7.83 |

Grant County

402322N0854819.1. Local number Gt 8. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in, depth 35 ft, cased to 20. Led about 880 ft above msl. MP top of shelter floor, 3.40 ft above lsd. Highest water level 1.61 (tape measurement) below lsd, Mar. 29, 1967; lowest 10.66 below lsd, Oct. 29, 1966. Records available: 1966-67. Recorder installed Oct. 18, 1966.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| 5 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 10.46 | 7.79 |
| 10 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 10.14 | .... |
| 15 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 9.97 | .... |
| 20 | .... | .... | .... | .... | .... | .... | .... | .... | 10.18 | 9.99 | 9.99 | .... |
| 25 | .... | .... | .... | .... | .... | .... | .... | .... | 10.30 | 9.91 | 9.91 | .... |
| Eom | .... | .... | .... | .... | .... | .... | .... | .... | 10.24 | 8.64 | 4.24 | .... |
| 1967 | | | | | | | | | | | | |
| 5 | 4.43 | .... | 3.23 | 2.47 | 3.77 | 4.25 | 5.24 | 6.80 | 8.25 | 9.70 | 10.15 | 6.81 |
| 10 | 4.36 | .... | 2.41 | 2.24 | 2.21 | 4.39 | 5.28 | 6.77 | 8.50 | 9.85 | 10.15 | 4.78 |
| 15 | 4.35 | .... | 2.17 | 2.32 | 2.18 | 4.60 | 5.57 | 7.03 | 8.82 | 9.99 | 10.15 | 3.85 |
| 20 | 4.77 | .... | 1.65 | 3.12 | 2.96 | 4.74 | 5.75 | 7.27 | 9.02 | 9.99 | 10.14 | .... |
| 25 | 4.62 | .... | .... | 3.29 | 3.56 | 4.87 | 5.98 | 7.65 | 9.34 | 9.94 | 10.08 | .... |
| Eom | .... | 3.79 | 1.89 | 3.37 | 3.98 | 4.97 | 6.30 | 7.93 | 9.46 | 10.13 | 10.10 | .... |

Greene County

390128N0870626.1. Local number Gr 3. Linton Water Co. Linton. Drilled unused artesian well in sand and gravel, diam 8 in, depth 48 ft, cased, screen setting unknown. Led 482.15 ft above msl. MP top of recorder platform, 2.32 ft above lsd. Highest water level 0.29 above lsd, May 7, 1961; lowest 7.21 below lsd, Dec. 18, 1964. Records available: 1959-67. Recorder installed Mar. 31, 1959.

Highest water level for the day, from recorder graph, 1959

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | .... | .... | .... | -0.02 | -0.67 | -0.57 | -1.72 | -2.57 | -2.82 | -2.80 | -1.28 | .... |
| 10 | .... | .... | .... | .... | .71 | .85 | 2.01 | 2.23 | 3.00 | 2.49 | 1.09 | .... |
| 15 | .... | .... | .... | .61 | .67 | .88 | 2.31 | 2.16 | 2.55 | 2.32 | 1.05 | .... |
| 20 | .... | .... | .... | .45 | .38 | 1.02 | 2.44 | 2.27 | 2.96 | 2.12 | .... | .... |
| 25 | .... | .... | .... | .24 | .41 | 1.27 | 2.68 | 2.35 | 2.85 | 1.53 | .... | 0.00 |
| Eom | .... | .... | -0.07 | .30 | .43 | 1.55 | 2.74 | 2.41 | .... | 1.79 | .84 | -0.06 |
| 1960 | | | | | | | | | | | | |
| 5 | -0.14 | 0.00 | -1.07 | -0.04 | -1.29 | .... | -0.88 | -2.16 | -3.62 | -4.66 | -5.57 | -5.80 |
| 10 | .16 | .00 | .94 | .67 | 1.19 | .... | .84 | 2.42 | 3.95 | 5.03 | 5.82 | 5.71 |
| 15 | .00 | -.06 | .63 | .70 | 1.46 | .... | 1.30 | 2.73 | 4.09 | 5.06 | 5.26 | 5.37 |
| 20 | .07 | .37 | .75 | .82 | 1.43 | -1.27 | 1.45 | 2.80 | 4.30 | 5.29 | 5.72 | 5.45 |
| 25 | .24 | .05 | .18 | .94 | .... | 1.36 | 1.71 | 3.27 | 4.45 | 5.26 | 5.67 | .... |
| Eom | .29 | .92 | .... | 1.06 | .... | 1.02 | 1.92 | 3.51 | 4.54 | 4.88 | 5.85 | 5.33 |
| 1961 | | | | | | | | | | | | |
| 5 | -5.57 | -6.02 | -3.61 | -0.77 | -0.74 | -1.28 | -2.17 | -3.02 | -3.26 | .... | -4.99 | -3.86 |
| 10 | 5.84 | 5.54 | 2.72 | .84 | .02 | 1.38 | 2.48 | 3.24 | 3.38 | .... | 4.73 | 3.39 |
| 15 | 5.27 | 5.63 | 1.66 | .43 | .02 | 1.68 | 2.54 | 3.12 | 3.58 | .... | 4.61 | 3.14 |
| 20 | 5.59 | 5.49 | 1.07 | .51 | .30 | 1.33 | 2.68 | 3.01 | 3.66 | -4.39 | 4.78 | 2.49 |
| 25 | 5.95 | 4.37 | .80 | .10 | .36 | .... | 2.82 | 2.92 | 3.89 | 4.55 | 4.44 | 1.75 |
| Eom | 5.62 | 4.74 | .25 | .43 | .98 | 1.99 | 3.01 | 3.00 | .... | 4.55 | 4.21 | 1.67 |

390128N0870626.1--Continued.

| 1962 | | | | | | | | | | | | |
|------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -1.33 | -0.30 | 0.00 | -0.30 | .... | .... | .... | -2.71 | -3.63 | -4.06 | -4.15 | -3.80 |
| 10 | .94 | .88 | -.05 | .27 | .... | .... | .... | 2.85 | 3.69 | 4.19 | 4.13 | 3.98 |
| 15 | .93 | .49 | .13 | .26 | .... | .... | .... | 3.01 | 3.90 | 4.26 | 4.27 | 3.80 |
| 20 | 1.12 | .55 | .... | .55 | .... | .... | .... | 3.06 | 3.91 | 4.07 | 3.92 | 4.15 |
| 25 | .69 | .01 | .... | .... | .... | .... | .... | 3.30 | 3.88 | 4.48 | 4.53 | 4.14 |
| Eom | .42 | .01 | .... | .... | .... | .... | -2.69 | 3.41 | 4.08 | 4.21 | 4.16 | 4.23 |
| 1963 | | | | | | | | | | | | |
| 5 | -3.91 | -3.50 | -2.90 | -0.44 | -1.68 | -1.33 | -2.21 | -3.30 | -4.38 | .... | .... | .... |
| 10 | 3.40 | 3.30 | 3.25 | .48 | 1.61 | 1.38 | 2.36 | 3.35 | 4.51 | .... | .... | .... |
| 15 | 3.84 | 3.81 | 2.69 | 1.08 | 1.68 | 1.77 | 2.36 | 3.72 | 4.80 | .... | .... | -6.67 |
| 20 | 3.17 | 3.23 | 1.44 | .88 | 1.21 | 1.60 | 2.51 | 3.73 | 4.73 | -5.64 | .... | 6.60 |
| 25 | 3.43 | 3.51 | .96 | 1.57 | 1.04 | 2.10 | 2.94 | 3.86 | 5.09 | 5.73 | .... | 6.24 |
| Eom | 3.41 | 3.51 | .79 | 1.20 | 1.35 | 2.03 | 3.03 | 4.22 | 5.02 | 5.57 | .... | 6.77 |
| 1964 | | | | | | | | | | | | |
| 5 | .... | .... | -h5.61 | -1.33 | -1.05 | .... | .... | .... | .... | -5.48 | -6.23 | -8.41 |
| 10 | -6.64 | -6.22 | 4.47 | .... | 1.26 | .... | .... | .... | .... | 5.73 | 6.01 | 6.48 |
| 15 | .... | 5.75 | .... | .... | .... | .... | .... | .... | .... | 5.54 | 6.32 | 6.50 |
| 20 | .... | 6.10 | .... | .... | .... | .... | .... | -h3.64 | -4.93 | 5.81 | .... | 6.66 |
| 25 | .... | 5.97 | .... | .... | .... | .... | .... | .... | 5.17 | 6.00 | 6.01 | 5.95 |
| Eom | .... | .... | .... | h.90 | .... | .... | .... | .... | 5.29 | 6.09 | 6.72 | 6.78 |
| 1965 | | | | | | | | | | | | |
| 5 | -6.53 | -5.64 | -1.61 | -1.25 | -0.81 | -1.42 | -1.30 | -2.21 | -3.22 | -1.65 | -1.93 | -2.18 |
| 10 | 6.56 | .... | 1.57 | .95 | 1.08 | .... | .... | 2.46 | 3.04 | 1.37 | 1.92 | 2.57 |
| 15 | 6.02 | .... | 1.39 | .66 | 1.30 | 1.04 | .... | 2.77 | 2.33 | 1.32 | 1.75 | 2.27 |
| 20 | 6.02 | .... | 1.75 | .91 | 1.77 | 1.25 | .... | 2.93 | 2.86 | 1.33 | 2.00 | 1.71 |
| 25 | 5.50 | .... | 1.44 | .80 | 1.75 | 1.65 | .... | 2.90 | 2.50 | 1.66 | 2.27 | 1.52 |
| Eom | 5.50 | .... | 1.47 | .68 | 1.63 | 1.74 | 1.75 | 3.05 | 1.14 | 1.65 | 2.52 | 1.70 |
| 1966 | | | | | | | | | | | | |
| 5 | -0.91 | -2.06 | -0.34 | -1.18 | -0.32 | -1.15 | -1.93 | -3.06 | -4.06 | -4.46 | -4.03 | -1.58 |
| 10 | .85 | 1.64 | .82 | 1.64 | .70 | 1.26 | 1.96 | 3.25 | 4.41 | .... | 3.49 | .54 |
| 15 | .87 | 1.26 | .54 | 1.10 | .37 | 1.57 | 1.95 | 3.49 | 4.30 | .... | 3.54 | -.16 |
| 20 | 1.30 | 1.05 | .60 | .69 | .24 | 1.87 | 2.13 | 3.68 | 4.40 | 4.18 | 3.27 | +0.4 |
| 25 | 1.49 | .64 | .93 | .89 | .32 | 1.99 | 2.66 | 3.94 | 4.52 | 4.08 | 2.92 | -.44 |
| Eom | 1.66 | .47 | .65 | .60 | .89 | 2.02 | 2.86 | 4.08 | 4.20 | 3.62 | 2.03 | .... |
| 1967 | | | | | | | | | | | | |
| 5 | -0.52 | -0.05 | -0.87 | -0.02 | -0.07 | .... | -1.37 | -2.85 | -3.84 | .... | -4.81 | -2.78 |
| 10 | .71 | .05 | .39 | .08 | +1.12 | -0.61 | 1.48 | 2.90 | 3.79 | .... | 4.49 | 1.85 |
| 15 | .57 | .32 | -.12 | .39 | .01 | .87 | 1.92 | 3.21 | 4.05 | -4.78 | 4.03 | 1.85 |
| 20 | 1.00 | .77 | +1.10 | .53 | +1.10 | 1.10 | 2.23 | 3.21 | 4.06 | 4.84 | 4.02 | .87 |
| 25 | .89 | 1.22 | .11 | .53 | -.17 | .92 | 2.27 | 3.51 | 4.36 | 4.54 | 3.32 | .38 |
| Eom | .61 | .84 | +0.07 | .05 | .71 | .92 | 2.50 | 3.56 | 4.38 | 4.64 | 3.12 | .67 |

h Tape measurement.

Hamilton County

40000N0860230.1. Local number Ha 5. U. S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 6 in., depth 85 ft, cased to 80, screened 80-85. Lad about 760 ft above msl. MP top of shale floor, 2.76 ft above lsd. Highest water level 9.09 below lsd, May 14, 1967; lowest 11.66 below lsd, Sept. 19, 1966. Records available: 1965-67. Recorder installed July 9, 1965.

| Highest water level for the day, from recorder graph, 1965 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10.56 | 10.89 | 10.83 | 10.91 | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | h10.48 | ..... | 10.93 | 10.86 | 10.91 | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | h10.51 | ..... | 10.84 | 10.89 | 10.91 | 10.91 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | 10.21 | 10.77 | 10.82 | 10.91 | 10.91 | 10.93 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | 10.38 | 10.82 | 10.73 | 10.88 | 10.91 | 10.90 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | 10.52 | 10.87 | 10.78 | 10.91 | ..... | 10.78 |
| 1966 | | | | | | | | | | | | |
| 5 | 10.54 | 10.76 | 10.40 | ..... | 10.48 | 10.63 | 10.90 | 11.29 | e11.55 | e11.57 | ..... | 11.13 |
| 10 | 10.53 | ..... | 10.48 | ..... | 10.52 | 10.69 | 10.97 | 11.34 | e11.59 | 11.58 | 11.33 | 9.79 |
| 15 | 10.52 | ..... | 10.47 | 10.66 | 10.50 | ..... | 11.01 | ..... | e11.63 | 11.53 | 11.31 | 9.49 |
| 20 | 10.60 | ..... | 10.52 | 10.70 | 10.48 | 10.71 | 11.07 | e11.43 | 11.57 | 11.49 | 11.31 | 9.70 |
| 25 | 10.65 | 10.40 | 10.54 | 10.65 | 10.48 | 10.77 | 11.14 | e11.47 | 11.56 | h11.51 | 11.32 | 9.86 |
| Eom | 10.71 | 10.43 | ..... | 10.48 | 10.56 | 10.83 | 11.22 | e11.51 | e11.55 | ..... | 11.17 | 9.99 |
| 1967 | | | | | | | | | | | | |
| 5 | 10.12 | 9.65 | .... | 9.59 | 9.86 | 9.80 | 10.28 | 10.64 | 11.01 | 11.16 | 10.85 | 10.36 |
| 10 | 10.14 | 9.64 | .... | 9.48 | 9.26 | 9.90 | 10.35 | 10.70 | 11.06 | 11.10 | 10.82 | 10.18 |
| 15 | 10.21 | 9.74 | 9.81 | 9.49 | 9.12 | 10.00 | 10.40 | 10.78 | 11.09 | 11.08 | 10.82 | 9.90 |
| 20 | 10.27 | 9.86 | 9.78 | 9.65 | 9.35 | 10.09 | 10.45 | 10.84 | 11.12 | 10.94 | 10.87 | 9.83 |
| 25 | 10.24 | .... | 9.67 | 9.69 | 9.54 | 10.14 | 10.50 | 10.90 | 11.14 | 10.94 | 10.87 | 9.42 |
| Eom | 9.97 | ..... | 9.62 | 9.77 | 9.67 | 10.20 | 10.57 | 10.95 | 11.16 | 10.94 | 10.83 | 9.62 |

e Estimated.

h Tape measurement.

Harrison County

381156N0861618.1. Local number Hr 3. State of Indiana. Harrison County State Forest. Dug unisized 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. Highest water level 0.61 below lsd, Feb. 27, 1962; lowest 12.38 below lsd, Oct. 27-31, Nov. 1, 2, 1966. Records available: 1938-66. Measurements made by State Forest personnel. Measurement discontinued Nov. 3, 1966.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|-------|-------|------|------|-------|-------|-------|-------|--------|--------|--------|
| 5 | 9.29 | 2.28 | 1.35 | 2.26 | 3.55 | 3.26 | e8.41 | h9.37 | 9.67 | e9.94 | 10.21 | e10.43 |
| 10 | 8.88 | 2.45 | 2.11 | 2.48 | 4.59 | 4.62 | 8.62 | 9.42 | 9.72 | e10.00 | 10.22 | h10.44 |
| 15 | 2.86 | 2.35 | 2.23 | 2.84 | 2.43 | e5.74 | e8.86 | 9.52 | 9.76 | 10.08 | 10.29 | e10.66 |
| 20 | 2.81 | 2.77 | .... | 3.08 | 1.85 | 6.69 | e8.97 | 9.57 | e9.82 | 10.11 | e10.35 | 10.62 |
| 25 | 3.28 | h2.88 | e1.55 | 3.12 | .... | 7.67 | e9.11 | e9.60 | e9.87 | 10.15 | e10.44 | e10.62 |
| Eom | 3.70 | 2.80 | 1.74 | 3.43 | 2.20 | e8.09 | e9.29 | e9.64 | e9.89 | 10.19 | 10.42 | .... |

1964

| | | | | | | | | | | | | |
|-----|--------|--------|------|-------|-------|--------|-------|--------|--------|--------|--------|--------|
| 5 | .... | e10.89 | .... | 1.64 | 2.31 | 9.37 | 10.61 | 11.24 | 11.50 | h11.62 | 11.80 | .... |
| 10 | e10.70 | e10.93 | .... | 2.23 | e3.44 | 9.80 | 10.72 | e11.32 | 11.53 | e11.65 | 11.81 | 11.91 |
| 15 | .... | e10.95 | .... | 2.30 | 4.82 | e10.07 | 10.87 | 11.38 | 11.67 | 11.67 | 11.83 | 11.65 |
| 20 | h10.76 | e10.96 | 2.07 | h1.76 | 6.04 | 10.20 | 10.99 | 11.41 | e11.59 | 11.68 | e11.85 | e11.70 |
| 25 | e10.84 | h10.97 | 1.79 | 2.21 | e8.18 | 10.35 | 11.07 | 11.45 | 11.60 | 11.72 | 11.86 | e11.66 |
| Eom | e10.90 | e10.99 | 2.32 | 1.94 | 8.97 | 10.46 | 11.18 | 11.47 | e11.61 | 11.76 | 11.88 | 11.97 |

1965

| | | | | | | | | | | | | |
|-----|------|------|-------|------|-------|--------|--------|-------|--------|-------|-------|-------|
| 5 | .... | 3.28 | .... | 2.90 | 3.36 | 9.20 | e10.81 | 11.46 | 11.73 | 11.51 | 11.64 | 11.77 |
| 10 | .... | 2.10 | .... | 2.87 | h4.71 | 9.62 | e10.96 | 11.51 | 11.76 | 11.49 | 11.69 | 11.80 |
| 15 | 3.00 | 2.85 | h2.94 | 2.60 | 5.72 | 9.93 | e11.10 | 11.57 | 11.74 | 11.52 | 11.71 | 11.81 |
| 20 | 2.91 | 2.91 | 2.89 | 2.64 | 6.68 | e10.18 | 11.21 | 11.63 | h11.47 | 11.55 | 11.72 | 11.83 |
| 25 | 2.73 | 2.10 | 2.35 | .... | 7.68 | 10.38 | 11.31 | 11.68 | e11.47 | 11.55 | 11.73 | 11.85 |
| Eom | 2.94 | .... | 2.82 | 2.86 | e8.72 | 10.62 | 11.40 | 11.72 | 11.47 | 11.58 | 11.75 | 11.89 |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|-------|-------|--------|--------|--------|--------|------|------|
| 5 | 2.10 | 4.85 | 2.62 | 2.91 | 2.77 | 4.97 | e10.19 | 11.47 | h11.90 | 12.23 | .... | .... |
| 10 | 2.73 | .... | 2.82 | 3.06 | 3.00 | 6.93 | 10.40 | 11.64 | .... | 12.29 | .... | .... |
| 15 | 3.05 | 2.61 | 2.58 | 2.68 | 2.83 | e8.13 | 10.66 | h11.68 | .... | 12.36 | .... | .... |
| 20 | 3.47 | 2.78 | 2.84 | 2.68 | .... | 8.82 | 10.85 | 11.71 | 12.12 | 12.37 | .... | .... |
| 25 | 4.03 | 2.79 | 2.85 | 2.08 | 2.85 | 9.38 | 11.07 | 11.75 | 12.15 | e12.37 | .... | .... |
| Eom | 4.46 | 2.36 | 2.90 | 2.06 | h4.58 | 9.88 | 11.33 | 11.82 | 12.23 | 12.38 | .... | .... |

e Estimated.

h Tape measurement.

382323N0860445.1. Local number Hr 9. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in, depth 93 ft. Lsd about 824 ft above msl. MP top of recorder shelter floor at front of recorder, 3.08 ft above lsd. Highest water level 2.39 below lsd, May 3, 1966 (tape measurement); lowest 19.71 below lsd, Nov. 5, 1966. Records available: 1966-67. Recorder installed Nov. 23, 1965.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|------|------|------|------|--------|-------|-------|-------|-------|-------|
| 5 | .... | 10.85 | .... | 7.44 | .... | .... | e12.25 | 14.85 | 16.40 | 18.30 | 13.70 | 19.35 |
| 10 | .... | 11.22 | .... | 8.21 | .... | .... | 12.75 | 15.25 | 16.80 | 18.60 | 13.48 | 14.87 |
| 15 | 10.01 | .... | .... | 7.97 | .... | .... | 13.15 | 15.35 | 17.10 | 18.80 | 13.11 | 13.12 |
| 20 | 9.98 | 4.43 | .... | 5.01 | .... | .... | 13.45 | 15.60 | 17.40 | 19.05 | 13.21 | 12.60 |
| 25 | 10.03 | 4.72 | 5.67 | 5.57 | .... | .... | 13.90 | 15.75 | 17.75 | 19.30 | 13.40 | 12.64 |
| Eom | 10.48 | 4.68 | 6.55 | 4.76 | .... | .... | 14.40 | 16.10 | 18.05 | 19.55 | 13.36 | 12.22 |

1967

| | | | | | | | | | | | | |
|-----|-------|--------|-------|------|------|-------|-------|--------|-------|-------|-------|-------|
| 5 | 12.13 | e10.10 | 11.60 | 6.29 | 4.24 | 7.79 | 12.00 | 14.75 | 16.86 | 18.58 | .... | 16.45 |
| 10 | 12.05 | .... | .... | 7.35 | 3.62 | 8.61 | 12.52 | 15.10 | 17.15 | 18.80 | .... | 15.35 |
| 15 | 12.13 | .... | .... | 8.34 | 3.83 | 9.52 | .... | e15.40 | 17.47 | 19.02 | .... | 12.75 |
| 20 | 12.57 | .... | .... | 9.32 | 4.13 | 10.30 | .... | .... | 17.76 | 19.17 | .... | 10.10 |
| 25 | 12.90 | .... | .... | 9.93 | 5.46 | 10.91 | .... | .... | 18.06 | 19.34 | .... | 6.90 |
| Eom | 11.77 | 11.35 | 5.35 | 9.80 | 6.90 | 11.42 | .... | 16.55 | 18.31 | .... | 13.35 | 6.95 |

e Estimated.

Hendricks County

394025N0864008.1. Local number Hd 4. U.S. Geol. Survey. Drilled observation artesian well in Mississippian sandstone, diam 6 in, depth 85 ft, cased 0-70. Lsd 866.4 ft above msl. MP top of collar welded to casing, 2.90 ft above lsd. Highest water level 19.88 below lsd, Dec. 21, 1967; lowest 26.86 below lsd, Nov. 6, 1966. Records available: 1966-67. Recorder installed Oct. 4, 1966.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 5 | | | | | | | | | | 26.31 | 23.81 | 24.73 |
| 10 | | | | | | | | | | 26.40 | 23.67 | 23.25 |
| 15 | | | | | | | | | | 26.45 | 23.44 | 21.83 |
| 20 | | | | | | | | | | 26.60 | 23.37 | 21.34 |
| 25 | | | | | | | | | | 26.63 | 23.27 | 21.45 |
| Eom | | | | | | | | | | 26.66 | 23.38 | 21.71 |

394025N0864008.1--Continued.

| 1967 | | | | | | | | | | | | |
|--------------|-------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 21.90 | 20.66 | 21.56 | 20.46 | 21.85 | 21.15 | 22.96 | e23.67 | 24.30 | 24.94 | 23.73 | 21.93 |
| 10 | 22.08 | 20.68 | 20.72 | 20.83 | 21.03 | e21.39 | 23.00 | e23.70 | 24.34 | 24.96 | 23.43 | 20.99 |
| 15 | 22.15 | 21.03 | 20.43 | 21.14 | 20.58 | e21.72 | 23.32 | e23.73 | 24.54 | 25.02 | 23.21 | 20.40 |
| 20 | 22.42 | 21.29 | 20.50 | e21.35 | 20.30 | e22.05 | 23.50 | 23.78 | 24.54 | 24.52 | 23.37 | 20.11 |
| 25 | 22.47 | 21.47 | 20.24 | e21.50 | 20.73 | e22.32 | e23.60 | 23.93 | 24.58 | 24.23 | 23.12 | 20.05 |
| Eom | 21.47 | 21.53 | 20.15 | e21.60 | 21.17 | e22.72 | e23.64 | 24.11 | 24.67 | 24.13 | 22.85 | 20.52 |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

Henry County

394949N0853514.1. Local number Hy 3. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 6 in depth 46 ft. Led about 990 ft above msl. MP top of collar, 4.7 ft above lsd. Highest water level 10.02 below lsd, Mar. 21, 1967; lowest 18.41 below lsd, Nov. 28, 1967. Records available: 1966-67. Recorder installed Sept. 28, 1966.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 5 | | | | | | | | | | 17.23 | ..... | ..... |
| 10 | | | | | | | | | | 17.19 | 16.04 | 10.46 |
| 15 | | | | | | | | | | 17.20 | h11.22 | ..... |
| 20 | | | | | | | | | | 17.35 | ..... | 11.33 |
| 25 | | | | | | | | | | | | 12.13 |
| Eom | | | | | | | | | 17.10 | ..... | ..... | 12.47 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 12.69 | 10.67 | 11.52 | 11.74 | 12.71 | 13.45 | 14.52 | ..... | 17.07 | 17.96 | 18.03 | 16.13 |
| 10 | 12.63 | 11.40 | 10.63 | 12.07 | 10.90 | 13.58 | ..... | ..... | 17.17 | 17.95 | 18.03 | 15.50 |
| 15 | 12.84 | 12.05 | 10.35 | 12.67 | 10.86 | 13.80 | ..... | 16.25 | 17.36 | 18.08 | 18.07 | 13.35 |
| 20 | 13.30 | 12.24 | 10.27 | 13.05 | 11.26 | 13.94 | ..... | 16.36 | 17.49 | 18.02 | 18.16 | 13.08 |
| 25 | 13.23 | 12.77 | 10.55 | 12.44 | 12.47 | 14.05 | ..... | 16.64 | 17.67 | 17.99 | 18.07 | 12.81 |
| Eom | 11.69 | 12.61 | 11.40 | 12.69 | 13.05 | 14.19 | ..... | 16.85 | 17.76 | 18.10 | 18.12 | 13.65 |

h Tape measurement.

Howard County

403035N0860153.1. Local number Ho 4. Howard L. and Earl M. Shenk. Dug unused water-table well in till, diam 42 in, depth 17 ft (previously reported 19 ft). On Sept. 17, 1962, an 8-in corrugated pipe was set and the well backfilled with 2-in crushed rock. Led about 835 ft above msl. MP south edge of 8-in pipe, 4.10 ft above lsd (since Sept. 17, 1962). Highest water level 0.96 below lsd, Apr. 10, 1948; lowest dry, many days. Records available: 1945-66. Water levels for the period Sept. 17 to Dec. 31, 1962, published in WSP 1782 are in error. Water levels for the period Sept. 17 to Oct. 20, 1962, and for the period Oct. 21 to Dec. 31, 1962, should be raised 0.50 ft and 1.50 ft, respectively. Measurement discontinued Nov. 30, 1966.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|-------|-------|------|------|-------|--------|-------|-------|--------|
| 5 | 12.50 | 13.26 | ..... | 8.16 | h6.63 | 6.92 | 8.51 | 9.46 | 11.21 | 12.83 | 15.04 | ..... |
| 10 | 12.56 | h13.31 | h12.82 | 7.76 | ..... | 7.00 | 8.89 | 9.71 | 11.46 | ..... | 15.23 | 16.53 |
| 15 | e12.72 | 13.40 | ..... | 7.76 | ..... | 7.18 | 9.07 | 10.01 | 11.72 | ..... | 15.53 | 16.63 |
| 20 | e12.87 | 13.45 | ..... | 7.68 | 5.48 | 7.47 | 8.93 | 10.31 | 12.02 | 14.22 | ..... | 16.65 |
| 25 | e13.00 | 13.53 | 9.92 | ..... | 6.17 | 7.91 | 9.05 | 10.59 | e12.32 | 14.53 | ..... | e16.69 |
| Eom | 13.16 | 13.55 | 9.30 | ..... | 6.64 | 8.17 | 9.23 | 10.93 | 12.55 | 14.86 | ..... | 16.74 |

1964

| | | | | | | | | | | | | |
|-----|-------|--------|--------|-------|-------|-------|-------|--------|-------|--------|--------|-------|
| 5 | 16.76 | e16.62 | ..... | ..... | ..... | 7.78 | 8.83 | 8.72 | ..... | 12.60 | e15.23 | ..... |
| 10 | ..... | e16.46 | h12.86 | 5.47 | ..... | ..... | ..... | 9.07 | ..... | ..... | 15.64 | (f) |
| 15 | ..... | e16.32 | 12.87 | 4.41 | 5.50 | 8.46 | ..... | 9.38 | ..... | ..... | 15.91 | (f) |
| 20 | ..... | 16.20 | ..... | 3.15 | ..... | 8.73 | 7.51 | 9.70 | ..... | ..... | e16.16 | (f) |
| 25 | ..... | 16.13 | ..... | ..... | ..... | ..... | e7.83 | e10.03 | 12.00 | ..... | e16.33 | (f) |
| Eom | (f) | 16.11 | 6.41 | ..... | h7.47 | h8.75 | 8.34 | ..... | 12.33 | e14.89 | e16.62 | (f) |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| 5 | (f) | ..... | ..... | ..... | ..... | ..... | 8.91 | 10.70 | 12.65 | 14.96 | 16.43 | (f) |
| 10 | (f) | ..... | e5.17 | ..... | ..... | ..... | 9.15 | 10.99 | 12.99 | 15.11 | 16.63 | (f) |
| 15 | ..... | ..... | 4.55 | 2.42 | ..... | h7.71 | 9.49 | 11.32 | 13.46 | ..... | (f) | (f) |
| 20 | ..... | ..... | 4.63 | 3.30 | ..... | ..... | 8.02 | 9.80 | 11.62 | 13.97 | 15.84 | (f) |
| 25 | ..... | ..... | 5.52 | ..... | ..... | ..... | 8.35 | 10.07 | 11.99 | 14.33 | 16.02 | (f) |
| Eom | ..... | ..... | ..... | 3.96 | ..... | 8.67 | ..... | 12.34 | 14.69 | 16.29 | (f) | (f) |

1966

| | | | | | | | | | | | | |
|-----|--------|--------|--------|-------|--------|-------|-------|-------|--------|-----|-----|-------|
| 5 | e16.31 | ..... | e14.52 | 13.42 | 13.10 | 11.93 | 12.14 | 13.22 | 15.33 | (f) | (f) | ..... |
| 10 | 16.17 | 15.58 | e14.51 | 13.48 | 12.99 | 11.92 | 12.26 | 13.62 | e15.77 | (f) | (f) | ..... |
| 15 | 16.17 | 14.77 | 14.38 | 13.54 | h12.83 | 11.99 | 12.38 | 14.00 | 16.07 | (f) | (f) | ..... |
| 20 | e16.24 | 14.80 | 14.19 | 13.52 | ..... | 12.01 | 12.54 | 14.33 | 16.48 | (f) | (f) | ..... |
| 25 | e16.29 | 14.76 | 13.93 | ..... | e12.01 | 12.03 | 12.73 | 14.67 | 16.74 | (f) | (f) | ..... |
| Eom | ..... | e14.68 | 13.49 | ..... | 11.92 | 12.07 | 12.95 | 15.02 | (f) | (f) | (f) | ..... |

e Estimated.

f Dry.

h Tape measurement.

Jackson County

385628N0861501.1. Local number Jk 2. Ralph Fish. Drilled observation artesian well in rock, diam 6 in, depth 93 ft. Led about 894 ft above msl. MP edge of 1-in hole in top of recorder platform, 2.50 ft above lsd. Highest water level 9.69 below lsd, May 11, 1967; lowest 22.21 below lsd, Jan. 25, 1954. Records available: 1944-67.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|--------|-------|--------|--------|--------|-------|-------|-------|-------|
| 5 | 15.71 | 13.89 | 13.16 | e11.09 | 11.43 | ..... | e13.11 | 13.44 | 14.51 | ..... | 17.22 | 18.55 |
| 10 | 14.84 | 13.40 | 12.92 | 10.82 | 11.44 | 11.70 | 13.43 | e13.40 | 14.68 | 16.30 | 17.49 | 18.53 |
| 15 | ..... | 13.60 | 12.31 | 11.25 | 11.76 | 12.03 | 13.53 | 13.70 | 15.03 | 16.71 | 17.97 | 19.28 |
| 20 | ..... | 13.25 | ..... | 11.05 | 11.62 | h12.26 | 13.69 | 13.93 | 15.15 | 16.78 | 18.14 | 19.39 |
| 25 | ..... | 13.69 | 11.37 | 11.41 | 11.51 | 12.82 | 13.71 | 14.14 | 15.64 | 16.97 | 18.45 | 19.27 |
| Eom | 13.91 | 13.47 | 11.25 | 11.08 | 11.61 | 12.81 | 13.36 | e14.44 | ..... | 17.02 | 18.26 | 20.00 |

1964

| | | | | | | | | | | | | |
|-----|--------|-------|-------|-------|--------|-------|-------|-------|-------|--------|--------|--------|
| 5 | ..... | 20.21 | 18.30 | 12.82 | 11.56 | 12.83 | 12.69 | 12.60 | 14.32 | 16.24 | 18.24 | ..... |
| 10 | e19.53 | ..... | ..... | ..... | 11.55 | 12.87 | 12.51 | 12.86 | 14.69 | 16.71 | h18.28 | 19.54 |
| 15 | ..... | 20.17 | 16.03 | 12.48 | 11.91 | 13.17 | 12.44 | 13.17 | 15.05 | e16.83 | ..... | 19.61 |
| 20 | h19.65 | 19.87 | ..... | 12.18 | h12.19 | 13.20 | 12.26 | 13.37 | 15.31 | 17.19 | 18.42 | 19.77 |
| 25 | 19.78 | ..... | 13.70 | ..... | 12.33 | ..... | 12.16 | ..... | 15.58 | 17.60 | ..... | ..... |
| Eom | 20.19 | ..... | ..... | 11.49 | 12.58 | 12.80 | 12.44 | 13.93 | 15.91 | 17.91 | 19.14 | e19.76 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | ..... | ..... | ..... | ..... | 10.54 | 12.12 | 12.96 | 12.82 | ..... | 15.29 | ..... | 14.24 |
| 10 | ..... | ..... | ..... | ..... | 10.70 | 12.37 | 12.80 | 12.86 | 14.39 | 14.77 | 13.92 | 14.70 |
| 15 | ..... | ..... | ..... | ..... | ..... | 12.51 | 12.91 | 13.22 | 14.37 | 14.72 | 13.79 | e14.51 |
| 20 | ..... | ..... | ..... | ..... | ..... | 12.80 | 12.83 | ..... | ..... | ..... | 13.97 | 14.25 |
| 25 | ..... | ..... | ..... | 10.44 | ..... | 13.06 | 12.47 | 13.51 | ..... | 14.32 | 14.21 | 14.20 |
| Eom | ..... | ..... | ..... | 10.56 | 11.89 | 13.24 | 12.61 | 13.85 | ..... | ..... | 14.48 | 14.41 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|--------|--------|-------|--------|--------|-------|-------|
| 5 | 13.61 | 13.20 | 11.03 | 11.10 | 10.45 | ..... | 12.18 | ..... | ..... | h16.90 | 18.37 | ..... |
| 10 | 13.09 | ..... | 11.41 | 11.63 | 10.49 | 11.05 | 12.47 | 13.83 | ..... | ..... | 17.95 | ..... |
| 15 | 12.56 | 12.46 | 10.99 | 11.52 | 10.36 | ..... | h12.67 | ..... | h15.81 | ..... | ..... | ..... |
| 20 | 12.73 | 12.27 | 10.87 | 11.11 | 10.23 | 11.67 | 12.84 | 14.36 | e15.81 | ..... | ..... | 12.76 |
| 25 | 12.69 | 11.59 | 10.88 | 11.03 | ..... | e11.83 | 13.34 | ..... | ..... | ..... | 18.37 | ..... |
| Eom | 12.85 | 11.26 | 10.73 | 10.62 | 10.58 | 11.97 | 13.45 | ..... | ..... | ..... | 17.75 | 12.18 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|
| 5 | 12.07 | 10.91 | 11.26 | 10.21 | 10.40 | 10.77 | 12.48 | 13.83 | 15.71 | 17.24 | 18.40 | 17.13 |
| 10 | 12.12 | 11.16 | 11.05 | 10.33 | 9.89 | 10.92 | 12.63 | 13.99 | 15.76 | 17.23 | 18.55 | 15.01 |
| 15 | 11.85 | 11.08 | 10.67 | 10.61 | 9.84 | 11.33 | ..... | 14.43 | 16.21 | 17.67 | 18.47 | 14.32 |
| 20 | 11.99 | 11.36 | 10.52 | 10.86 | 9.82 | 11.61 | ..... | 14.53 | 16.41 | 17.83 | 18.65 | 13.09 |
| 25 | 11.73 | ..... | 10.36 | 10.89 | 9.88 | 11.84 | e13.40 | 15.00 | 16.67 | 17.77 | 18.27 | 12.29 |
| Eom | ..... | ..... | 10.35 | 10.45 | 10.28 | 12.08 | 13.52 | 15.20 | 16.76 | 18.12 | 18.60 | 12.05 |

e Estimated.

h Tape measurement.

Jasper County

410809N0875808.1. Local number Jp 7. U.S. Geol. Survey. Drilled observation artesian well in Devonian dolomite, diam 6 in, depth 130 ft, cased to 94. Led 698 ft above msl. MP top of platform, 2.85 ft above lsd. Highest water level 7.62 below lsd, May 11, 1967; lowest 9.25 below lsd, Oct. 11, 1967. Records available: 1967. Recorder installed May 2, 1967.

Highest water level for the day, from recorder graph, 1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|------|------|------|------|-------|------|------|------|
| 5 | | | | | 8.16 | 8.17 | 8.48 | 8.68 | 8.94 | 8.98 | 9.00 | 8.73 |
| 10 | | | | | 7.77 | 8.15 | 8.28 | 8.78 | 8.98 | 8.93 | 8.79 | 8.44 |
| 15 | | | | | 7.98 | 8.24 | 8.48 | 8.77 | 8.91 | 8.92 | 8.88 | 8.75 |
| 20 | | | | | 8.14 | 8.18 | 8.52 | 8.68 | 8.75 | 8.92 | 8.72 | 8.51 |
| 25 | | | | | 8.02 | 8.35 | 8.43 | 8.79 | 8.90 | 8.81 | 8.51 | 8.28 |
| Eom | | | | | 8.21 | 8.27 | 8.53 | 8.93 | 8.83 | 8.87 | 8.59 | 8.42 |

Jefferson County

384606N0852608.1. Local number Jf 4. State of Indiana. Clifty Falls State Park. Drilled unused well in rock, diam 6 in, depth 75 ft. Led 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 42.20 below lsd, Nov. 18, 19, 1963, Jan. 3-7, 1964. Records available: 1955-66. Measurement discontinued Dec. 20, 1966.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|
| 5 | 25.95 | h27.82 | 24.70 | 24.95 | 31.30 | 33.90 | 37.90 | 40.00 | 41.25 | 42.20 | ..... | e42.10 |
| 10 | 27.50 | ..... | 24.95 | 26.05 | 32.30 | 34.50 | 38.35 | 40.15 | 41.40 | 42.25 | 42.95 | e43.05 |
| 15 | 25.15 | ..... | 24.75 | 28.10 | 33.45 | 35.75 | 38.60 | 40.50 | 41.65 | 42.40 | 43.05 | e43.00 |
| 20 | 24.90 | 26.45 | 23.95 | 28.80 | 30.85 | 36.25 | 38.90 | 40.55 | 41.60 | 42.45 | e43.20 | 42.95 |
| 25 | ..... | ..... | 24.55 | 31.10 | 31.10 | 37.10 | 39.50 | 40.80 | 41.85 | 42.55 | e42.10 | 43.00 |
| Eom | 29.70 | ..... | 24.65 | 31.30 | 32.95 | 37.50 | 39.70 | 41.10 | 42.05 | 42.60 | e42.05 | 42.05 |

1964

| | | | | | | | | | | | | |
|-----|--------|-------|--------|-------|--------|--------|-------|-------|-------|--------|-------|-------|
| 5 | 43.15 | 42.20 | ..... | 26.05 | 24.25 | ..... | 34.75 | 38.20 | 39.90 | ..... | 42.15 | 42.00 |
| 10 | ..... | 42.15 | h25.05 | 24.50 | 26.10 | h34.30 | 35.25 | 38.40 | 40.10 | 41.40 | 42.20 | 42.45 |
| 15 | ..... | 42.25 | 25.15 | 24.80 | ..... | ..... | 36.10 | 38.80 | 40.40 | 41.45 | 42.35 | 41.05 |
| 20 | ..... | 42.00 | 24.85 | 26.90 | h30.92 | 29.85 | 36.55 | 39.05 | 40.60 | h41.65 | 42.40 | 41.70 |
| 25 | 41.80 | 42.20 | 25.85 | 24.05 | 32.30 | 31.65 | 37.00 | 39.40 | 40.90 | 41.80 | 42.45 | 41.40 |
| Eom | e42.85 | ..... | h24.79 | 23.95 | ..... | 33.55 | 37.85 | 39.70 | 41.00 | 42.00 | 42.65 | 37.35 |

38460N0852608, 1--Continued.

| 1965 | | | | | | | | | | | | |
|---------------------|--------|--------|-------|--------|-------|-------|-------|--------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | e26.35 | 27.50 | 23.70 | ..... | 23.90 | 33.75 | 36.70 | 39.10 | ..... | 40.58 | ..... | 39.10 |
| 10 | ..... | 24.55 | 23.80 | 23.45 | ..... | 34.30 | 36.80 | 39.30 | 40.65 | 35.65 | ..... | 39.85 |
| 15 | 26.00 | 24.25 | 23.95 | 23.20 | 27.60 | 34.95 | 37.15 | 39.60 | 39.95 | 37.20 | ..... | 40.00 |
| 20 | 28.05 | 24.45 | ..... | h23.31 | 29.85 | 35.70 | 37.85 | 39.85 | ..... | 38.40 | 38.35 | 40.05 |
| 25 | 25.30 | 25.35 | 24.15 | 23.40 | 31.55 | 36.30 | 38.15 | 40.00 | ..... | 32.30 | 38.90 | 40.05 |
| Eom | 25.10 | 23.95 | 23.50 | 23.40 | 32.80 | 36.70 | 38.65 | 40.25 | 40.00 | 34.30 | 39.20 | 38.95 |
| 1966 | | | | | | | | | | | | |
| 5 | 25.45 | ..... | 24.40 | 28.00 | 23.35 | 32.35 | 36.60 | 39.00 | 40.35 | 41.30 | 41.45 | 41.05 |
| 10 | 25.10 | ..... | 24.70 | 30.30 | 23.90 | 33.05 | 37.20 | h39.20 | 40.60 | 41.35 | 40.95 | 26.80 |
| 15 | 25.45 | e24.50 | 24.10 | 24.40 | 25.65 | 34.15 | 37.70 | 39.45 | 40.60 | 41.50 | 41.50 | 25.68 |
| 20 | 27.90 | 24.65 | 24.20 | h24.13 | 27.20 | 34.95 | 37.95 | 39.75 | 40.80 | 41.75 | 41.85 | e27.00 |
| 25 | 30.65 | 24.55 | 24.90 | 24.15 | 28.25 | 35.70 | 38.45 | 39.95 | 41.05 | 41.90 | 41.90 | ..... |
| Eom | ..... | 25.00 | 26.85 | 23.20 | 30.95 | 36.15 | 38.80 | 40.20 | 41.10 | 41.95 | 41.15 | ..... |
| e Estimated. | | | | | | | | | | | | |
| h Tide measurement. | | | | | | | | | | | | |

e Estimated.

h Tape measurement.

Jennings County

385924N0853726.1. Local number Jn 1. State of Indiana. Muscatatuck State Park. Dug observation water-table well in sand and gravel, 36 in diam, depth 19 ft, cribbed with stone. Lsd about 730 ft above masl. MP 1-in hole in recorder shelter floor, 2.13 ft above lsd. Highest water level 0.11 below lsd, May 2, 1967; lowest 17.75 below lsd, Jan. 15-31, Feb. 1-11, 1954. Records available: 1936-67. Recorder installed Dec. 3, 1936.

Water level at 2 a.m., from recorder graph, 1952

| water level at 2 a.m., from recorder graph, 1952 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 5.00 | 2.60 | 7.00 | 3.55 | 6.40 | 9.45 | 11.25 | 13.35 | 14.65 | 15.55 | 16.10 | 16.35 |
| 10 | 7.45 | 5.55 | 6.90 | 4.20 | 7.15 | 10.20 | 11.70 | 13.60 | 14.90 | 15.65 | 16.20 | 16.20 |
| 15 | 8.55 | 5.95 | 4.55 | 2.85 | 7.95 | 9.25 | 12.10 | 13.90 | 15.05 | 15.75 | 16.25 | 16.00 |
| 20 | 7.10 | 5.95 | 5.00 | 4.30 | 8.55 | 10.10 | 10.40 | 14.15 | 15.20 | 15.85 | 16.30 | 15.95 |
| 25 | 6.70 | 5.65 | 3.05 | 5.15 | 8.75 | 9.40 | 12.70 | 14.40 | 15.30 | 15.90 | 16.25 | 15.70 |
| Eom | 5.95 | 6.35 | 5.35 | 5.55 | 8.70 | 10.50 | 13.05 | 14.70 | 15.45 | 16.00 | 16.30 | 15.45 |
| 1953 | | | | | | | | | | | | |
| 5 | 15.30 | 9.60 | 6.85 | .... | 7.50 | .... | 12.8 | 14.0 | ..... | ..... | 16.85 | 17.30 |
| 10 | 12.80 | 10.50 | 7.85 | 8.05 | 7.7 | .... | 13.0 | 14.1 | ..... | 16.35 | 16.90 | 17.35 |
| 15 | 11.05 | 10.70 | 8.05 | 7.20 | .... | .... | 13.3 | 14.4 | 15.7 | 16.45 | 17.00 | 17.45 |
| 20 | 9.15 | 11.00 | 6.75 | 4.45 | .... | .... | 13.4 | 14.6 | 15.7 | 16.60 | 17.10 | 17.50 |
| 25 | 10.00 | 9.90 | 7.35 | 5.70 | .... | 12.0 | 13.5 | 14.8 | ..... | 16.70 | 17.15 | 17.55 |
| Eom | 8.20 | 9.70 | .... | 6.55 | .... | 12.4 | 13.7 | .... | 16.10 | 16.75 | 17.20 | 17.60 |
| 1954 | | | | | | | | | | | | |
| 5 | 17.65 | 17.75 | 17.25 | 15.40 | 12.90 | 12.80 | 13.45 | 14.55 | 15.45 | 16.15 | 16.65 | 16.85 |
| 10 | 17.70 | 17.75 | 17.05 | 15.10 | 12.65 | 12.90 | 13.60 | 14.70 | 15.55 | 16.25 | 16.65 | 16.90 |
| 15 | 17.75 | 17.70 | 16.75 | 14.85 | 12.55 | 13.00 | 13.75 | 14.90 | 15.65 | 16.35 | 16.70 | 16.90 |
| 20 | 17.75 | 17.65 | 16.50 | 13.80 | 12.55 | 13.10 | 13.95 | 15.00 | 15.80 | 16.45 | 16.70 | 16.95 |
| 25 | 17.75 | 17.55 | 16.15 | 13.45 | 12.65 | 13.20 | 14.10 | 15.15 | 15.90 | 16.55 | ..... | 16.95 |
| Eom | 17.75 | 17.50 | 15.75 | 13.10 | 12.80 | 13.30 | 14.35 | 15.30 | 16.00 | 16.60 | 16.80 | 16.55 |
| 1955 | | | | | | | | | | | | |
| 5 | ..... | 13.60 | 4.60 | .... | 9.60 | .... | 10.00 | 12.00 | 13.40 | 14.35 | .... | 7.05 |
| 10 | 14.05 | 11.50 | 7.25 | .... | 10.15 | .... | 10.55 | 12.15 | 13.70 | 9.75 | 8.15 | 7.45 |
| 15 | 13.80 | 10.90 | 7.90 | 7.05 | 10.55 | 6.55 | 11.00 | 12.35 | 14.00 | 9.60 | ..... | 8.00 |
| 20 | 13.75 | 10.40 | 6.60 | 7.60 | 10.50 | 6.85 | 11.40 | 12.60 | 14.25 | 10.10 | ..... | 8.70 |
| 25 | 13.65 | 8.05 | .... | 8.40 | 10.65 | 8.00 | 11.60 | 12.85 | 14.45 | 10.45 | 6.10 | 8.75 |
| Eom | 13.65 | ..... | 7.75 | 9.20 | 10.65 | 9.10 | 11.80 | 13.15 | 14.60 | 10.80 | 6.90 | 9.40 |
| 1956 | | | | | | | | | | | | |
| 5 | 9.40 | .... | 4.65 | 3.60 | 5.60 | 5.60 | 4.45 | ..... | 11.95 | 11.80 | 12.70 | 13.05 |
| 10 | 9.70 | 5.60 | 3.45 | 4.25 | 5.90 | 6.20 | 5.15 | 9.55 | 12.25 | 12.10 | 12.80 | 8.00 |
| 15 | 9.90 | 5.30 | 3.30 | 3.65 | 6.35 | 7.35 | 6.10 | 10.20 | 12.40 | 12.25 | ..... | 7.70 |
| 20 | 10.00 | 3.55 | 3.35 | 4.75 | 7.10 | .... | 6.40 | 10.75 | 10.75 | ..... | 13.00 | 8.25 |
| 25 | 10.30 | 3.90 | 4.20 | 5.50 | 7.75 | 4.85 | 7.30 | 11.20 | ..... | 12.50 | 13.05 | ..... |
| Eom | 6.60 | 3.85 | 4.55 | 5.65 | 6.20 | .... | .... | 11.60 | ..... | 12.60 | 13.05 | 7.25 |
| 1957 | | | | | | | | | | | | |
| 5 | 7.85 | 5.60 | 4.40 | .... | 4.85 | 3.30 | .... | 7.70 | 11.70 | 12.95 | 13.70 | 7.80 |
| 10 | 7.45 | h2.47 | 4.60 | 1.90 | 5.60 | 4.30 | 4.85 | 8.70 | 12.10 | 13.10 | h13.72 | 5.40 |
| 15 | 6.80 | 4.20 | 4.60 | 3.80 | 6.40 | 4.50 | 6.25 | 9.35 | h12.38 | 13.30 | 13.00 | h7.20 |
| 20 | 7.30 | 5.00 | 4.80 | 3.70 | e5.85 | 5.50 | 7.60 | 9.95 | 12.55 | 13.45 | 7.80 | ..... |
| 25 | .... | 5.45 | 4.80 | 3.45 | .... | .... | 6.30 | 10.60 | 12.70 | 13.55 | 8.50 | 5.45 |
| Eom | .... | 3.35 | 4.00 | 4.05 | 4.00 | h4.07 | 6.55 | 11.35 | 12.85 | 13.65 | 8.25 | 5.20 |

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|-------|------|------|------|------|-------|------|-------|-------|-------|-------|
| 5 | 6.35 | 5.45 | 6.85 | 3.65 | 0.15 | 6.25 | 5.90 | 3.40 | 6.80 | h4.84 | 8.70 | e3.50 |
| 10 | 6.70 | 5.70 | 6.25 | 3.70 | 2.20 | 6.90 | 7.40 | 4.95 | 7.90 | 5.65 | 9.00 | e4.90 |
| 15 | 7.30 | ..... | 6.10 | 3.80 | 3.55 | 3.75 | 8.15 | 6.00 | 8.90 | 6.80 | 9.40 | 4.55 |
| 20 | 7.00 | ..... | 5.00 | 4.20 | 3.60 | 4.25 | 6.50 | 5.20 | ..... | 7.30 | 6.60 | 5.00 |
| 25 | 5.25 | 7.52 | 3.10 | 3.10 | 4.25 | 4.85 | ..... | 4.25 | ..... | 7.90 | 6.55 | 5.75 |
| Eom | 5.05 | 7.42 | 3.95 | 1.95 | 5.25 | 4.70 | 4.55 | 5.40 | ..... | 8.65 | h6.48 | 6.25 |

385924N0853726.1--Continued.

| 1959 | | | | | | | | | | | | |
|------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nw. | Dec. |
| 5 | .... | .... | 2.65 | 2.30 | 5.45 | 6.95 | 10.35 | 11.35 | e12.12 | 13.15 | 12.65 | 11.25 |
| 10 | .... | .... | 2.65 | 3.30 | 6.05 | .... | 10.75 | 11.25 | .... | 13.25 | 12.20 | 11.25 |
| 15 | .... | .... | .... | 3.80 | 5.35 | .... | 11.20 | 11.45 | 12.45 | 13.25 | 11.80 | .... |
| 20 | .... | .... | 2.90 | 4.40 | 4.95 | 8.90 | 11.45 | .... | 12.65 | 13.20 | 11.25 | .... |
| 25 | 3.06 | .... | 3.35 | .... | 5.50 | 9.35 | 11.65 | 11.80 | 12.80 | 13.10 | 11.00 | 7.50 |
| Eom | 3.25 | .... | 2.70 | 4.90 | 6.15 | 9.90 | 11.50 | 11.95 | 12.95 | 13.15 | 11.25 | 6.20 |
| 1960 | | | | | | | | | | | | |
| 5 | 6.25 | .... | 6.15 | 3.20 | .... | 3.95 | 3.75 | 8.85 | 11.40 | 12.85 | 14.00 | 14.50 |
| 10 | 6.60 | 2.25 | 6.15 | .... | .... | 5.55 | 5.90 | 9.40 | 11.70 | .... | 14.10 | 14.55 |
| 15 | 4.20 | 4.60 | 6.05 | .... | .... | 6.20 | 4.80 | 9.80 | 12.00 | .... | 14.15 | 14.60 |
| 20 | 5.25 | 5.35 | 4.50 | 5.25 | .... | 6.50 | 5.50 | 10.15 | 12.20 | 13.60 | 14.20 | 14.70 |
| 25 | 5.90 | 5.55 | 4.60 | .... | 4.90 | 2.45 | 6.80 | 10.60 | 12.45 | 13.75 | 14.40 | 14.70 |
| Eom | .... | 6.00 | 3.85 | .... | 2.50 | 4.00 | 7.95 | 11.10 | 12.65 | 13.90 | 14.45 | 14.75 |
| 1961 | | | | | | | | | | | | |
| 5 | 14.75 | 13.70 | 0.25 | 5.70 | 5.00 | 6.75 | 8.00 | 5.80 | 10.65 | 12.30 | h13.24 | 11.20 |
| 10 | 14.75 | 13.70 | 2.00 | 6.55 | 1.25 | 6.25 | 9.10 | 6.70 | 10.95 | 12.45 | 13.35 | 9.50 |
| 15 | .... | 12.95 | 1.75 | 2.80 | 3.15 | 5.55 | 9.10 | 8.00 | 11.20 | 12.60 | 13.40 | 8.05 |
| 20 | 13.90 | 11.60 | 3.55 | 2.50 | 4.45 | 5.25 | 8.10 | 9.05 | 11.55 | 12.75 | 13.15 | 6.10 |
| 25 | 13.80 | 9.80 | 2.30 | 3.05 | 5.00 | h5.52 | 8.30 | 9.70 | 11.85 | 12.95 | 12.60 | 6.60 |
| Eom | 13.70 | 6.20 | 4.50 | 4.00 | 6.25 | 6.70 | 5.90 | .... | 12.15 | 13.10 | 11.90 | 7.10 |
| 1962 | | | | | | | | | | | | |
| 5 | 7.65 | 5.65 | 2.85 | 3.30 | 6.00 | 7.80 | 8.75 | 9.60 | 12.10 | 13.00 | 13.50 | 13.40 |
| 10 | 6.20 | 6.00 | 1.05 | 3.95 | 5.75 | 8.00 | 9.50 | 10.25 | 12.25 | 13.15 | 13.55 | e13.45 |
| 15 | h4.62 | 5.65 | 2.70 | 4.45 | 4.60 | 6.40 | 6.75 | 10.75 | 12.40 | 13.25 | 13.65 | e13.45 |
| 20 | 5.75 | 5.70 | 3.00 | 4.85 | 5.50 | 7.00 | 6.45 | 11.15 | 12.55 | 13.30 | 13.55 | 13.55 |
| 25 | 3.45 | 2.25 | 2.60 | 5.40 | 6.50 | 7.90 | 7.55 | 11.60 | 12.75 | 13.40 | 13.45 | 13.65 |
| Eom | 4.95 | .45 | 3.15 | 5.75 | 7.20 | 8.10 | 8.90 | 11.95 | 12.90 | 13.45 | 13.45 | 13.60 |
| 1963 | | | | | | | | | | | | |
| 5 | 13.40 | 12.10 | .... | 4.85 | 5.35 | 8.35 | 11.50 | 12.45 | 13.00 | 14.00 | 14.95 | e15.50 |
| 10 | 12.95 | h11.87 | h7.71 | 5.45 | 5.90 | 8.95 | 11.75 | 12.50 | 13.15 | 14.20 | 15.05 | 15.60 |
| 15 | 12.60 | .... | 7.45 | 6.35 | 6.85 | 9.65 | 12.00 | .... | 13.30 | 14.35 | 15.15 | h15.65 |
| 20 | 12.15 | 11.75 | 1.40 | 6.50 | 6.60 | 10.20 | 12.25 | 12.70 | 13.50 | 14.50 | 15.25 | 15.65 |
| 25 | .... | 11.85 | 5.00 | 6.15 | 6.65 | 10.80 | 12.30 | h12.74 | 13.70 | 14.65 | 15.35 | 15.80 |
| Eom | 12.30 | 11.85 | 4.30 | 6.00 | 7.50 | 11.10 | 12.40 | 12.85 | 13.85 | 14.80 | 15.40 | 15.90 |
| 1964 | | | | | | | | | | | | |
| 5 | h15.93 | 16.00 | 9.55 | 5.55 | 5.65 | 10.60 | 11.00 | 12.05 | 13.65 | e15.00 | 15.80 | 16.25 |
| 10 | 16.00 | 15.75 | .... | 5.40 | 6.60 | 11.00 | 10.20 | 12.35 | 13.90 | .... | 15.90 | 16.30 |
| 15 | 16.05 | 15.60 | 4.55 | 6.35 | 7.65 | 11.40 | 10.15 | 12.60 | 14.10 | .... | 15.95 | 15.85 |
| 20 | 16.05 | 15.30 | 6.45 | 7.00 | 8.70 | 10.90 | 10.80 | 12.85 | 14.35 | 15.45 | 16.05 | h15.61 |
| 25 | 16.00 | 14.95 | 6.75 | 5.15 | 9.45 | 10.40 | 11.30 | 13.10 | 14.60 | 15.55 | 16.15 | .... |
| Eom | 16.00 | 14.75 | 7.15 | .... | 10.15 | 10.65 | 11.75 | 13.40 | 14.80 | 15.65 | 16.20 | .... |
| 1965 | | | | | | | | | | | | |
| 5 | e12.30 | .... | .... | 6.05 | 5.65 | 9.95 | 12.25 | .... | 13.60 | 11.80 | .... | h11.98 |
| 10 | e10.85 | .... | .... | 3.05 | 6.45 | 10.45 | 12.35 | 13.25 | 13.15 | 10.75 | .... | 12.10 |
| 15 | 10.20 | e5.60 | .... | 1.05 | 7.25 | 10.85 | 12.50 | 13.35 | 13.05 | 10.50 | e11.60 | 11.90 |
| 20 | .... | .... | e6.60 | 3.60 | 8.05 | 11.30 | 12.65 | 13.45 | 12.00 | 10.80 | 11.70 | 11.45 |
| 25 | .... | .... | 6.70 | 5.05 | 8.60 | 11.65 | 12.50 | 13.45 | 11.60 | .... | 11.85 | 11.25 |
| Eom | h8.65 | e5.70 | 6.05 | 5.05 | 9.30 | 12.00 | .... | 13.50 | 11.55 | h10.87 | 11.90 | 11.15 |
| 1966 | | | | | | | | | | | | |
| 5 | 6.50 | 9.75 | 5.50 | 6.40 | 3.30 | 6.55 | 11.25 | 12.85 | 13.60 | 14.45 | 14.90 | 11.30 |
| 10 | 6.05 | 2.65 | 6.10 | 7.05 | 4.50 | 7.55 | 11.65 | 13.00 | 13.75 | 14.55 | 14.60 | 4.63 |
| 15 | 6.95 | 4.80 | e5.50 | 4.90 | 3.90 | e8.65 | 11.90 | 13.20 | 13.95 | 14.65 | 13.00 | 7.09 |
| 20 | 8.00 | 5.40 | h5.62 | e5.00 | 2.20 | 9.55 | 12.20 | 13.35 | 14.10 | 14.75 | 12.60 | 8.09 |
| 25 | 8.60 | 6.00 | 5.90 | 3.95 | 4.05 | 10.25 | 12.50 | 13.45 | 14.20 | 14.80 | 12.58 | 9.11 |
| Eom | 9.20 | 6.15 | .... | .95 | 5.45 | 10.80 | 12.65 | 13.55 | 14.35 | 14.90 | 11.86 | 8.60 |
| 1967 | | | | | | | | | | | | |
| 5 | 8.65 | 6.00 | 6.59 | 4.97 | 2.40 | 6.92 | 10.95 | 12.44 | 13.71 | 14.76 | 15.26 | 9.95 |
| 10 | 9.17 | 6.57 | 3.96 | 5.44 | 2.35 | 7.79 | 11.32 | 12.59 | 13.90 | 14.90 | 15.21 | 9.45 |
| 15 | 9.13 | 7.20 | 2.42 | 6.00 | .29 | 8.93 | 11.61 | 12.80 | 14.10 | 15.04 | 15.03 | 7.45 |
| 20 | 9.80 | 7.81 | 4.11 | 5.49 | 2.70 | 9.80 | 11.96 | 13.01 | 14.29 | 15.14 | 14.85 | 6.50 |
| 25 | 9.91 | 8.18 | 4.26 | 3.53 | 4.27 | 10.21 | 12.22 | 13.22 | 14.47 | 15.21 | 14.60 | 5.70 |
| Eom | 7.87 | 8.29 | 4.00 | 4.05 | 6.00 | 10.55 | 12.30 | 13.48 | 14.61 | 15.26 | 14.10 | 7.60 |

e Estimated.

h Tape measurement.

Kosciusko County

412237N0854014.1. Local number Ko 2. State of Indiana. Wawasee State Fish Hatchery. Driven unused artesian well in till, diam 1½ in, reported depth 87 ft. Lsd about 865 ft above ms1. MP top of pipe, 1.77 ft above lsd (since Sept. 22, 1964). Highest water level 3.25 above lsd, May 1, 1944; lowest 1.25 below lsd, Sept. 22, 1964. Records available: 1938-39, 1942-66. Measurements made by State Fish Hatchery personnel. Measurement discontinued Jan. 17, 1967.

| | Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|------|----------|-------------|-------------|-------------|---------------|-------------|----------------|-------------|
| Mar. | 16, 1963 | +0.20 | May 4, 1963 | +0.38 | June 22, 1963 | +0.10 | Aug. 10, 1963 | -0.08 |
| | 23 | .35 | | 11 | | .08 | | .29 |
| | 30 | .35 | | 18 | | .50 | | .42 |
| | 6 | .47 | | 25 | | .38 | | .46 |
| Apr. | 13 | .47 | June 1 | .20 | Aug. 3 | .08 | Sept. 21, 1963 | .50 |
| | 20 | .43 | | 8 | | .43 | | .67 |
| | 27 | .35 | | 15 | | .29 | | .67 |
| | | | | | | | | |

412237N0854014.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Sept. 28, 1963 | -0.75 | Aug. 29, 1964 | -0.92 | May 29, 1965 | +0.47 | Apr. 16, 1966 | -0.12 |
| Oct. 5 | .75 | Sept. 5 | .92 | June 5 | .48 | 23 | +.77 |
| 12 | .79 | 12 | .92 | 12 | .57 | 30 | .87 |
| 19 | .75 | 22 | 1.25 | 19 | .47 | May 7 | .79 |
| 26 | .79 | 26 | 1.08 | 26 | .42 | 14 | .79 |
| Nov. 2 | .75 | Oct. 3 | 1.03 | July 3 | .52 | 21 | .92 |
| 9 | .75 | 10 | 1.03 | 10 | .54 | 28 | .80 |
| 16 | .79 | 19 | 1.10 | 17 | .47 | June 4 | .80 |
| 23 | .76 | 24 | 1.16 | 24 | .62 | 11 | .80 |
| 30 | .75 | Nov. 2 | 1.13 | 31 | .64 | 18 | .81 |
| Dec. 7 | .75 | 7 | 1.10 | Aug. 7 | .50 | 25 | 1.22 |
| Jan. 4, 1964 | .84 | 14 | 1.16 | 14 | .42 | July 2 | 1.22 |
| Mar. 7 | .79 | 21 | .98 | 24 | .47 | 9 | 1.22 |
| 14 | .50 | 28 | 1.03 | 28 | .42 | 16 | 1.32 |
| 21 | .42 | Dec. 5 | 1.18 | Sept. 4 | .42 | 23 | 1.33 |
| 28 | .93 | 12 | 1.03 | 11 | .42 | 30 | 1.32 |
| Apr. 4 | .38 | 19 | 1.18 | 18 | .52 | Aug. 6 | 1.22 |
| 11 | .21 | 26 | .78 | 25 | .52 | 13 | 1.20 |
| 18 | .15 | Jan. 2, 1965 | .88 | Oct. 2 | .47 | 20 | 1.19 |
| 25 | .15 | 9 | .70 | 9 | .52 | 27 | 1.12 |
| May 2 | -.06 | Feb. 6 | .68 | 16 | .53 | Sept. 3 | .22 |
| 9 | +.02 | 13 | .89 | 23 | .62 | 10 | .09 |
| 16 | .06 | 20 | .68 | 30 | .37 | 17 | .07 |
| 23 | +.02 | 27 | .68 | Nov. 6 | .32 | 24 | +.01 |
| 30 | -.06 | Mar. 6 | .43 | 13 | .32 | 30 | -.03 |
| June 6 | .12 | 13 | .33 | 20 | .32 | Oct. 8 | -.07 |
| 13 | .17 | 20 | .23 | Dec. 4 | .37 | 15 | +.30 |
| 20 | .21 | 27 | .23 | 11 | .17 | 22 | -.02 |
| 27 | .23 | Apr. 3 | .18 | 24 | .22 | 29 | .21 |
| July 4 | .31 | 10 | -.43 | Jan. 1, 1966 | .42 | Nov. 5 | .20 |
| 11 | .42 | 17 | +.17 | Feb. 12 | .50 | 12 | .06 |
| 18 | .50 | 24 | .27 | Mar. 4 | .62 | 19 | -.03 |
| 25 | .58 | May 1 | .22 | 12 | .57 | 26 | +.02 |
| Aug. 1 | .58 | 8 | .37 | 19 | .62 | Dec. 10 | .35 |
| 15 | .84 | 15 | .47 | Apr. 2 | .72 | 17 | .63 |
| 22 | .87 | 22 | .47 | 9 | +.65 | | |

Lake County

411143N0872040.1. Local number Lk 11. Town of Shelby. Driven unused water-table well in sand, diam 4 in, reported depth 18 ft. Lsd about 642 ft above msl. MP edge of 2-in coupling, 1.20 ft above lsd. Highest water level 3.47 below lsd, May 20, 1966; lowest 11.30 below lsd, Dec. 27, 1963. Records available: 1956-66. Measurement discontinued Jan. 3, 1967.

| | | | | | | | |
|---------------|------|---------------|------|--------------|------|---------------|------|
| Mar. 16, 1956 | 6.80 | Sept. 7, 1956 | 8.30 | Mar. 1, 1957 | 8.85 | Aug. 23, 1957 | 6.40 |
| 23 | 6.90 | 14 | 8.40 | 8 | 8.80 | 30 | 6.55 |
| 30 | 7.10 | 21 | 8.45 | 15 | 8.80 | Sept. 6 | 7.05 |
| Apr. 6 | 7.15 | 28 | 8.60 | 22 | 8.70 | 13 | 7.30 |
| 13 | 7.25 | Oct. 5 | 8.76 | 29 | 8.60 | 20 | 7.60 |
| 20 | 7.40 | 12 | 8.80 | Apr. 5 | 8.40 | 27 | 7.85 |
| 27 | 7.40 | 19 | 8.90 | 12 | 7.20 | Oct. 4 | 8.05 |
| May 4 | 5.50 | 25 | 9.00 | 19 | 6.95 | 11 | 8.20 |
| 11 | 5.30 | Nov. 2 | 9.00 | 26 | 5.65 | 18 | 8.25 |
| 18 | 5.30 | 9 | 9.10 | May 3 | 4.30 | 25 | 7.60 |
| 25 | 4.90 | 16 | 9.15 | 10 | 4.55 | Nov. 1 | 7.15 |
| June 1 | 5.05 | 23 | 9.20 | 17 | 4.15 | 8 | 7.25 |
| 8 | 5.55 | 30 | 9.25 | 24 | 4.10 | 15 | 7.05 |
| 15 | 5.80 | Dec. 7 | 9.30 | 31 | 4.55 | 22 | 6.95 |
| 22 | 6.00 | 14 | 9.30 | June 7 | 4.85 | 29 | 6.80 |
| 30 | 6.20 | 21 | 9.45 | 14 | 5.00 | Dec. 6 | 6.60 |
| July 6 | 6.60 | 28 | 9.40 | 21 | 4.40 | 13 | 6.55 |
| 13 | 6.80 | Jan. 4, 1957 | 9.45 | 28 | 4.30 | 20 | 6.35 |
| 20 | 6.95 | 11 | 9.50 | July 5 | 4.55 | 27 | 5.80 |
| 27 | 7.15 | 18 | 9.45 | 12 | 5.05 | Jan. 3, 1958 | 5.60 |
| Aug. 3 | 7.40 | 25 | 9.30 | 19 | 4.30 | 10 | 5.80 |
| 10 | 7.60 | Feb. 1 | 9.20 | 26 | 5.10 | 17 | 6.10 |
| 17 | 7.80 | 8 | 9.20 | Aug. 2 | 5.50 | 24 | 6.65 |
| 24 | 8.05 | 15 | 9.00 | 9 | 5.75 | 31 | 6.25 |
| 31 | 8.15 | 27 | 8.90 | 16 | 6.20 | Feb. 7 | 6.40 |

411143N0872040.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Feb. 14, 1958 | 6.55 | Aug. 28, 1959 | 6.80 | May 23, 1961 | 6.20 | Nov. 30, 1962 | 9.70 |
| 21 | 6.90 | Sept. 4 | 7.20 | 30 | 6.50 | Dec. 7 | 9.70 |
| 28 | 6.85 | 11 | 7.50 | June 6 | 6.80 | 14 | 9.80 |
| Mar. 7 | 6.70 | 18 | 7.80 | 13 | 6.90 | 21 | 9.85 |
| 14 | 6.55 | 25 | 7.95 | 20 | 7.00 | 28 | 9.89 |
| 21 | 6.40 | Oct. 2 | 6.70 | 27 | 7.20 | Jan. 4, 1963 | 9.88 |
| 28 | 6.50 | 9 | 5.80 | July 4 | 7.50 | 11 | 9.90 |
| Apr. 4 | 6.25 | 16 | 5.35 | 11 | 7.70 | 18 | 9.95 |
| 11 | 6.35 | 23 | 5.50 | 18 | 7.90 | 25 | 10.02 |
| 18 | 6.75 | 30 | 5.65 | 26 | 8.00 | Feb. 5 | 10.04 |
| 25 | 6.85 | Jan. 12, 1960 | 5.84 | Aug. 2 | 7.80 | 8 | 10.05 |
| May 3 | 6.95 | 19 | 4.40 | 9 | 7.90 | 15 | 10.08 |
| 9 | 7.00 | 26 | 4.20 | 16 | 8.10 | 22 | 9.95 |
| 16 | 7.10 | Feb. 2 | 5.20 | 23 | 8.30 | Mar. 1 | 10.05 |
| 23 | 7.25 | 9 | 4.90 | 30 | 8.50 | 8 | 9.50 |
| 30 | 7.45 | 16 | 4.80 | Sept. 6 | 8.60 | 15 | 9.30 |
| June 8 | 7.50 | 23 | 5.00 | 13 | 8.50 | 22 | 9.50 |
| 13 | 6.30 | Mar. 1 | 5.00 | 20 | 7.50 | 29 | 8.90 |
| 20 | 5.65 | 8 | 5.80 | 27 | 8.00 | Apr. 5 | 8.87 |
| 27 | 5.95 | 15 | 6.30 | Oct. 4 | 7.70 | 12 | 8.70 |
| July 4 | 6.20 | 22 | 6.10 | 11 | 7.80 | 19 | 8.10 |
| 11 | 6.30 | 29 | 5.70 | 18 | 7.70 | 26 | 8.70 |
| 18 | 5.55 | Apr. 5 | 5.40 | 25 | 7.70 | May 3 | 8.90 |
| 25 | 5.70 | 12 | 5.60 | Nov. 4 | 7.60 | 10 | 9.30 |
| Aug. 1 | 6.00 | 19 | 5.00 | 11 | 7.40 | 17 | 8.75 |
| 8 | 6.20 | 26 | 5.10 | 15 | 8.67 | 24 | 8.20 |
| 15 | 6.40 | May 3 | 5.30 | 18 | 7.53 | 31 | 8.50 |
| 22 | 6.55 | 10 | 5.40 | 25 | 6.98 | June 7 | 8.00 |
| 29 | 6.80 | 17 | 5.70 | Dec. 2 | 7.01 | 14 | 8.60 |
| Sept. 5 | 7.10 | 24 | 5.90 | 9 | 6.90 | 21 | 8.70 |
| 12 | 7.40 | 31 | 6.10 | 16 | 6.78 | 28 | 8.85 |
| 19 | 7.55 | June 7 | 5.90 | 23 | 6.73 | July 5 | 8.90 |
| 26 | 7.70 | 14 | 6.00 | 30 | 6.71 | 12 | 9.00 |
| Oct. 3 | 7.95 | 21 | 6.00 | Jan. 6, 1962 | 6.70 | 19 | 8.90 |
| 10 | 8.05 | 28 | 6.20 | 13 | 6.80 | 26 | 8.80 |
| 17 | 8.20 | July 4 | 6.10 | 20 | 6.56 | Aug. 2 | 9.00 |
| 24 | 8.25 | 11 | 6.20 | 27 | 6.29 | 9 | 9.08 |
| 31 | 8.35 | 18 | 6.80 | Feb. 3 | 6.31 | 16 | 9.06 |
| Nov. 7 | 8.45 | 25 | 7.00 | 10 | 6.54 | 23 | 9.25 |
| 14 | 8.55 | Aug. 2 | 7.10 | 17 | 6.56 | 30 | 9.40 |
| 21 | 8.49 | 9 | 7.40 | 24 | 6.54 | Sept. 6 | 9.45 |
| 28 | 8.45 | 15 | 7.70 | Mar. 2 | 6.62 | 13 | 9.30 |
| Dec. 5 | 8.35 | 22 | 7.90 | 9 | 6.10 | 20 | 8.60 |
| 12 | 8.30 | 29 | 8.00 | 16 | 5.89 | 27 | 9.70 |
| 19 | 8.45 | Sept. 6 | 8.30 | 23 | 5.39 | Oct. 4 | 9.75 |
| 26 | 8.55 | 13 | 8.50 | 30 | 5.19 | 11 | 9.88 |
| Jan. 2, 1959 | 8.50 | 20 | 8.40 | Apr. 6 | 5.97 | 18 | 9.89 |
| 9 | 8.55 | 27 | 8.60 | 13 | 5.77 | 25 | 9.85 |
| 16 | 8.35 | Oct. 4 | 8.40 | 20 | 5.40 | Nov. 1 | 10.06 |
| 23 | 8.45 | 11 | 8.50 | 27 | 5.73 | 8 | 10.10 |
| 30 | 8.50 | 18 | 9.70 | May 4 | 5.99 | 15 | 10.05 |
| Feb. 6 | 8.55 | 25 | 9.60 | 11 | 6.09 | 22 | 10.16 |
| 13 | 7.70 | Nov. 1 | 9.10 | 18 | 6.39 | 29 | 10.20 |
| 20 | 6.95 | 8 | 9.00 | 25 | 6.59 | Dec. 6 | 11.07 |
| 27 | 6.45 | 15 | 9.30 | June 2 | 7.02 | 13 | 11.25 |
| Mar. 6 | 6.20 | 22 | 9.10 | 8 | 6.98 | 20 | 11.27 |
| 13 | 5.90 | 29 | 9.20 | 15 | 7.20 | 27 | 11.30 |
| 20 | 5.55 | Dec. 6 | 9.40 | 22 | 7.40 | Jan. 3, 1964 | 10.38 |
| 27 | 5.45 | 13 | 9.50 | 29 | 7.50 | 10 | 10.38 |
| Apr. 3 | 5.00 | 20 | 9.40 | July 6 | 7.97 | 17 | 10.40 |
| 10 | 5.00 | 27 | 9.50 | 13 | 7.86 | 24 | 10.40 |
| 17 | 5.20 | Jan. 3, 1961 | 9.50 | 20 | 7.97 | 31 | 10.32 |
| 24 | 5.00 | 10 | 9.60 | 27 | 8.10 | Feb. 7 | 10.40 |
| May 1 | 4.20 | 17 | 9.70 | Aug. 3 | 8.74 | 14 | 10.18 |
| 8 | 4.20 | 24 | 9.80 | 10 | 8.36 | 21 | 10.31 |
| 15 | 4.55 | 31 | 10.69 | 17 | 8.54 | 28 | 10.47 |
| 22 | 4.70 | Feb. 7 | 9.80 | 24 | 8.68 | Mar. 6 | 10.37 |
| 29 | 4.30 | 14 | 9.70 | 31 | 8.78 | 13 | 10.29 |
| June 5 | 4.75 | 21 | 9.80 | Sept. 7 | 8.54 | 20 | 10.20 |
| 12 | 5.20 | Mar. 7 | 9.40 | 14 | 8.90 | 27 | 10.18 |
| 19 | 5.50 | 14 | 9.10 | 21 | 8.60 | Apr. 3 | 9.97 |
| 26 | 5.80 | 21 | 8.60 | 28 | 8.90 | 10 | 9.77 |
| July 3 | 6.30 | 28 | 8.20 | Oct. 5 | 9.20 | 17 | 9.76 |
| 10 | 6.80 | Apr. 4 | 9.00 | 12 | 9.25 | 24 | 9.35 |
| 17 | 7.00 | 11 | 9.10 | 19 | 9.37 | May 1 | 9.10 |
| 24 | 5.80 | 18 | 8.60 | 26 | 9.43 | 8 | 8.93 |
| 31 | 5.50 | 25 | 6.80 | Nov. 2 | 9.45 | 15 | 8.85 |
| Aug. 7 | 5.80 | May 2 | 6.00 | 9 | 9.55 | 22 | 8.90 |
| 14 | 6.10 | 9 | 5.90 | 16 | 9.60 | 29 | 8.93 |
| 21 | 6.45 | 16 | 5.80 | 23 | 9.66 | June 5 | 9.06 |

411143N0872040.1--Continued.

| | Date | Water level | | Date | Water level | | Date | Water level | | Date | Water level |
|-------|----------|-------------|-------|----------|-------------|-------|----------|-------------|-------|----------|-------------|
| June | 12, 1964 | 9.12 | Jan. | 29, 1965 | 8.85 | Sept. | 24, 1965 | 7.08 | May | 20, 1966 | 3.47 |
| | 19 | 8.96 | Feb. | 5 | 8.85 | Oct. | 1 | 6.50 | | 27 | 3.52 |
| | 26 | 8.90 | | 12 | 8.50 | | 8 | 6.36 | June | 3 | 4.20 |
| July | 3 | 8.91 | | 19 | 7.90 | | 15 | 6.55 | | 10 | 4.60 |
| | 10 | 9.08 | | 26 | 7.70 | | 29 | 6.35 | | 17 | 5.00 |
| | 17 | 9.15 | Mar. | 5 | 7.90 | Nov. | 12 | 6.56 | | 24 | 6.20 |
| | 24 | 9.00 | | 12 | 7.40 | | 19 | 6.60 | July | 1 | 6.00 |
| | 31 | 9.25 | | 19 | 6.84 | | 26 | 6.95 | | 8 | 6.20 |
| Aug. | 7 | 9.30 | | 26 | 7.24 | Dec. | 3 | 7.13 | | 15 | 6.60 |
| | 14 | 9.35 | Apr. | 2 | 6.90 | | 10 | 7.34 | | 22 | 6.80 |
| | 21 | 9.47 | | 9 | 6.85 | | 17 | 7.45 | | 29 | 7.18 |
| | 28 | 9.49 | | 16 | 5.04 | | 24 | 5.50 | Aug. | 5 | 7.50 |
| Sept. | 4 | 9.75 | | 23 | 5.57 | | 31 | 5.30 | | 12 | 7.55 |
| | 11 | 9.29 | | 30 | 5.54 | Jan. | 7, 1966 | 5.80 | | 19 | 7.80 |
| | 18 | 9.77 | May | 7 | 5.70 | | 14 | 5.70 | | 26 | 7.96 |
| | 25 | 9.70 | | 14 | 5.54 | | 21 | 5.88 | Sept. | 2 | 8.22 |
| Oct. | 2 | 9.60 | | 21 | 5.70 | | 28 | 6.18 | | 9 | 8.30 |
| | 9 | 9.70 | | 28 | 5.60 | Feb. | 4 | 6.38 | | 16 | 8.40 |
| | 16 | 9.82 | June | 4 | 6.16 | | 11 | 6.62 | | 23 | 8.44 |
| | 23 | 9.85 | | 11 | 6.30 | | 18 | 6.76 | | 30 | 8.56 |
| | 30 | 9.87 | | 25 | 6.97 | | 25 | 6.78 | Oct. | 7 | 8.40 |
| Nov. | 6 | 9.95 | July | 2 | 7.35 | Mar. | 4 | 6.75 | | 14 | 8.80 |
| | 13 | 9.95 | | 9 | 7.40 | | 11 | 6.40 | | 21 | 8.86 |
| | 20 | 10.00 | | 16 | 7.60 | | 18 | 6.05 | | 28 | 8.94 |
| | 27 | 10.00 | | 23 | 7.88 | | 24 | 5.40 | Nov. | 4 | 9.00 |
| Dec. | 4 | 10.10 | | 30 | 8.06 | Apr. | 1 | 5.20 | | 11 | 8.35 |
| | 11 | 10.10 | Aug. | 6 | 8.20 | | 8 | 5.48 | | 18 | 8.25 |
| | 18 | 9.80 | | 13 | 8.27 | | 15 | 5.65 | | 25 | 8.27 |
| | 25 | 9.75 | | 20 | 7.40 | | 22 | 5.60 | Dec. | 2 | 8.56 |
| Jan. | 1, 1965 | 9.55 | | 27 | 8.10 | | 29 | 4.83 | | 9 | 7.10 |
| | 8 | 9.28 | Sept. | 3 | 8.10 | May | 6 | 5.00 | | 16 | 6.40 |
| | 15 | 9.08 | | 10 | 7.50 | | 13 | 4.00 | | 23 | 6.12 |
| | 22 | 9.05 | | 17 | 7.77 | | | | | | |

411038N0872847.1. Local number Lk 12. U.S. Geol. Survey. Kankakee River State Park. Drilled observation artesian well in dolomite, diam 6 in, depth 82 ft. Lsd about 630 ft above msl. MP top of casing, 2.50 ft above lsd. Highest water level 0.54 below lsd, May 11, 1967; lowest 3.60 below lsd, Oct. 11, 1967. Records available: 1967. Recorder installed May 3, 1967.

| Highest water level for the day, from recorder graph, 1967 | | | | | | | | | | | |
|--|------|------|------|------|--------|--------|------|------|-------|------|-----------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | | | | | 0.70 | hl. 64 | 2.12 | 3.18 | 3.49 | 3.43 | 2.60 2.14 |
| 10 | | | | | .59 | el. 66 | 2.22 | 3.25 | 3.45 | 3.54 | 2.51 1.88 |
| 15 | | | | | .67 | el. 72 | 2.40 | 3.30 | 3.40 | 3.42 | 2.42 1.62 |
| 20 | | | | | .92 | el. 79 | 2.59 | 3.33 | 3.34 | 3.24 | 2.26 1.50 |
| 25 | | | | | | el. 87 | 2.76 | 3.44 | 3.35 | 3.13 | 2.15 1.33 |
| Eom | | | | | el. 47 | el. 90 | 2.93 | 3.52 | 3.44 | 2.87 | 2.19 1.39 |

e Estimated.

h Tape measurement.

La Porte County

411907N0864446.1. Local number Lp 2. State of Indiana. Kankakee State Game Preserve. Drilled unused artesian well in sand and gravel, diam 6 in, reported depth 115 ft. Lsd about 671 ft above msl. MP top of casing, 1.10 ft above lsd (since Aug. 26, 1964). Highest water level 0.34 below lsd, Apr. 8, 1960; lowest 7.52 below lsd, July 25, 1955. Records available: 1942-66. Measurements made by State Game Preserve personnel. Recorder installed Sept. 10, 1964. Measurement discontinued Nov. 29, 1966.

| | Date | Water level | | Date | Water level | | Date | Water level | | Date | Water level |
|------|---------|-------------|-------|----------|-------------|-------|----------|-------------|------|----------|-------------|
| Jan. | 7, 1963 | 5.56 | May | 20, 1963 | 4.82 | Sept. | 30, 1963 | 5.62 | Feb. | 10, 1964 | 5.48 |
| | 14 | 5.67 | | 27 | 5.30 | Oct. | 7 | 5.68 | | 19 | 5.48 |
| | 21 | 5.69 | June | 3 | 2.90 | | 14 | 5.68 | | 24 | 5.70 |
| | 28 | 5.75 | | 10 | 3.50 | | 21 | 5.68 | Mar. | 2 | 5.75 |
| Feb. | 4 | 5.75 | | 17 | 5.40 | | 28 | 5.68 | | 9 | 5.46 |
| | 11 | 5.65 | | 24 | 5.63 | Nov. | 4 | 5.65 | | 23 | 5.07 |
| | 18 | 5.63 | July | 1 | 5.86 | | 11 | 5.40 | | 30 | 4.38 |
| | 25 | 5.56 | | 8 | 6.04 | | 19 | 5.42 | Apr. | 7 | 3.98 |
| Mar. | 4 | 5.58 | | 15 | 6.00 | | 25 | 5.23 | | 13 | 3.96 |
| | 11 | 3.91 | | 22 | 4.62 | Dec. | 2 | 5.21 | | 20 | 4.15 |
| | 18 | 3.58 | | 29 | 4.45 | | 9 | 5.32 | | 27 | 3.76 |
| | 25 | 3.40 | Aug. | 5 | 4.78 | | 16 | 5.32 | May | 3 | 3.74 |
| Apr. | 1 | 3.46 | | 12 | 4.97 | | 24 | 5.35 | | 11 | 4.18 |
| | 8 | 3.71 | | 19 | 5.35 | | 30 | 5.37 | | 18 | 4.55 |
| | 15 | 4.21 | | 26 | 5.62 | Jan. | 6, 1964 | 5.49 | | 25 | 4.91 |
| | 22 | 4.48 | Sept. | 3 | 5.87 | | 13 | 5.49 | June | 3 | 5.20 |
| | 29 | 4.80 | | 9 | 5.95 | | 20 | 5.49 | | 8 | 5.21 |
| May | 6 | 4.73 | | 16 | 5.80 | | 27 | 5.40 | | 15 | 5.23 |
| | 13 | 4.83 | | 23 | 5.68 | Feb. | 4 | 5.43 | Aug. | 26 | 6.49 |

411907N0864446.1--Continued.

| Highest water level for the day, from recorder graph, 1964 | | | | | | | | | | | |
|--|-------|------|------|------|------|------|------|-------|-------|-------|------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5.69 | .... |
| 10 | .... | .... | .... | .... | .... | .... | .... | .... | h6.47 | h5.58 | 4.97 |
| 15 | .... | .... | .... | .... | .... | .... | .... | .... | 6.52 | 5.49 | 5.31 e4.54 |
| 20 | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5.46 | 5.19 4.51 |
| 25 | .... | .... | .... | .... | .... | .... | .... | .... | e6.13 | 5.43 | .... |
| Eom | .... | .... | .... | .... | .... | .... | .... | .... | 5.78 | 5.41 | 5.12 4.54 |
| 1965 | | | | | | | | | | | |
| 5 | 4.16 | 3.33 | 3.13 | 3.17 | 2.93 | 4.59 | 5.44 | 5.85 | 5.45 | e3.94 | 4.04 |
| 10 | 4.03 | 3.23 | 2.88 | 2.77 | 3.16 | 4.75 | 5.30 | h5.77 | 5.46 | .... | .... |
| 15 | 4.05 | 3.00 | 2.83 | 2.70 | 3.54 | 4.96 | 5.42 | 5.84 | .... | .... | .... |
| 20 | 4.07 | 3.16 | 2.82 | .... | .... | 5.14 | 5.53 | 5.81 | .... | .... | 4.04 |
| 25 | e3.47 | 3.35 | 2.93 | .... | 4.28 | 5.26 | 5.61 | 5.78 | .... | .... | h4.11 |
| Eom | 3.46 | 3.56 | 3.18 | 2.65 | 4.43 | 5.37 | 5.79 | 5.46 | 3.91 | .... | .... |
| 1966 | | | | | | | | | | | |
| 5 | .... | .... | 3.30 | .... | 2.76 | 3.25 | 4.61 | .... | h5.3 | .... | .... |
| 10 | h2.29 | 3.52 | 3.25 | .... | 3.05 | .... | .... | .... | .... | .... | .... |
| 15 | .... | 3.04 | .... | .... | 2.76 | .... | .... | .... | .... | .... | .... |
| 20 | h2.77 | 3.20 | 3.15 | .... | .... | .... | .... | .... | .... | 5.34 | .... |
| 25 | .... | 3.36 | 3.21 | .... | .... | .... | .... | 5.02 | .... | 5.27 | .... |
| Eom | .... | 3.45 | .... | .... | .... | 4.47 | 4.87 | e5.09 | .... | .... | .... |

e Estimated.

h Tape measurement.

Madison County

400533N0853726.1. Local number Md 7. State of Indiana. Mounds State Park. Driven unused artesian well in gravel, diam $1\frac{1}{4}$ in, depth 18 ft. Lsd about 905 ft above msl. MP top of pipe, 3.50 ft above lsd. Highest water level 0.96 above lsd, Apr. 27, 1964; lowest 13.9 below lsd, Aug. 7, 1946. Records available: 1935-36, 1938-66. Measurements made by State Park personnel. Measurement discontinued Dec. 13, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 7, 1963 | -6.90 | Dec. 16, 1963 | -7.70 | Feb. 8, 1965 | -7.30 | Dec. 27, 1965 | -7.93 |
| 14 | 7.10 | 30 | 7.88 | 15 | 6.59 | Jan. 3, 1966 | 7.87 |
| 21 | 7.20 | Jan. 6, 1964 | 7.97 | Mar. 1 | 6.47 | 10 | 7.98 |
| 28 | 7.29 | 13 | 8.07 | 8 | 5.63 | 24 | 8.19 |
| Feb. 4 | 7.36 | 20 | 8.19 | 15 | 5.26 | 31 | 8.24 |
| 11 | 7.39 | Feb. 3 | 8.32 | 22 | 5.05 | Feb. 7 | 8.33 |
| 18 | 7.37 | 10 | 8.44 | 29 | 4.84 | 14 | 8.14 |
| 25 | 7.39 | 17 | 8.43 | Apr. 5 | 4.60 | 21 | 8.28 |
| Mar. 5 | 7.33 | 24 | 8.47 | 12 | 3.12 | 28 | 8.41 |
| 11 | 7.49 | Mar. 16 | 6.96 | 19 | 2.59 | Mar. 7 | 8.49 |
| 18 | 5.19 | 23 | 6.65 | 26 | 3.12 | 14 | 8.47 |
| 25 | 5.09 | 30 | 6.47 | May 3 | 1.97 | 28 | 8.47 |
| Apr. 1 | 3.37 | Apr. 6 | 5.85 | 10 | 2.32 | Apr. 11 | 8.52 |
| 15 | 3.44 | 13 | 5.48 | 17 | 2.61 | 18 | 8.54 |
| 22 | 3.42 | 20 | -.67 | 24 | 2.96 | 25 | 8.53 |
| 29 | 2.61 | 27 | + .96 | 31 | 3.26 | May 2 | 8.27 |
| May 6 | 2.16 | May 11 | -.55 | June 7 | 4.40 | 9 | 8.23 |
| 13 | 2.47 | 18 | 1.26 | 14 | 3.74 | 16 | 8.08 |
| 20 | 2.44 | 25 | 1.93 | 21 | 3.96 | 23 | 7.98 |
| 27 | 2.74 | June 1 | 2.33 | 28 | 4.28 | 30 | 7.95 |
| June 3 | 3.00 | 22 | 3.15 | July 5 | 4.54 | June 6 | 7.94 |
| 10 | 3.25 | 29 | 3.59 | 12 | 4.68 | 13 | 7.96 |
| 17 | 3.57 | July 20 | 3.58 | 19 | 4.87 | 20 | 7.97 |
| 24 | 3.92 | 27 | 3.89 | 26 | 5.09 | 27 | 8.04 |
| July 1 | 4.01 | Aug. 10 | 4.43 | Aug. 2 | 5.25 | July 4 | 8.09 |
| 8 | 4.34 | 17 | 4.73 | 9 | 5.47 | 11 | 8.12 |
| 15 | 4.56 | 24 | 4.83 | 16 | 5.67 | 18 | 8.21 |
| 22 | 4.51 | 31 | 5.14 | 23 | 5.84 | Aug. 1 | 8.28 |
| 29 | 4.74 | Sept. 7 | 5.38 | 30 | 6.03 | 8 | 8.39 |
| Aug. 5 | 4.92 | 14 | 5.58 | Sept. 6 | 6.21 | 22 | 8.53 |
| 12 | 5.09 | 21 | 5.68 | 13 | 6.31 | 30 | 8.61 |
| 19 | 5.26 | 28 | 5.87 | 20 | 6.47 | Sept. 5 | 8.69 |
| 26 | 5.35 | Oct. 5 | 6.04 | 27 | 6.49 | 12 | 8.79 |
| Sept. 2 | 5.57 | 12 | 6.25 | Oct. 4 | 6.66 | 19 | 8.81 |
| 9 | 5.73 | 19 | 6.34 | 11 | 6.63 | 26 | 8.85 |
| 16 | 5.93 | 26 | 6.49 | 18 | 6.89 | Oct. 3 | 8.92 |
| 23 | 6.10 | Nov. 1 | 6.63 | 25 | 6.94 | 10 | 8.96 |
| 30 | 6.23 | 8 | 6.76 | Nov. 1 | 7.07 | 17 | 8.95 |
| Oct. 14 | 6.58 | 15 | 6.91 | 8 | 7.18 | 31 | 9.14 |
| 21 | 6.72 | 29 | 7.13 | 15 | 7.28 | Nov. 7 | 9.18 |
| 28 | 6.84 | Dec. 28 | 7.47 | 22 | 7.38 | 14 | 9.24 |
| Nov. 4 | 6.99 | Jan. 4, 1965 | 7.34 | 29 | 7.40 | 21 | 9.28 |
| 11 | 7.10 | 11 | 7.38 | Dec. 6 | 7.59 | 28 | 9.29 |
| 18 | 7.23 | 25 | 7.25 | 13 | 7.75 | Dec. 5 | 9.34 |
| Dec. 2 | 7.47 | Feb. 1 | 7.27 | 20 | 7.94 | 12 | 8.47 |

Marion County

394603N0860919.1. Local number Ma 2. Farm Bureau Mutual Insurance Co. Formerly Indiana National Bank. 130 East Washington St., Indianapolis. Drilled unused artesian well in gravel, diam 8 in, depth 90 ft. Lsd 712.27 ft above msl. MP top of casing, 24.00 ft below lsd. Highest water level 37.11 below lsd, Apr. 14, 1959 lowest 70.55 below lsd, Sept. 21, 1941. Records available: 1935-66. Nearby well being pumped. Measurement discontinued Jan. 1, 1967.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|--------|--------|-------|-------|--------|-------|--------|-------|-------|-------|-------|
| 5 | 40.03 | 39.64 | 39.30 | 40.80 | 41.29 | 43.29 | 45.76 | h47.84 | 47.55 | 46.91 | 45.07 | 43.52 |
| 10 | 39.89 | 39.47 | 39.34 | 40.20 | 42.49 | h44.02 | 45.90 | 48.30 | 47.69 | 46.86 | 44.98 | 43.34 |
| 15 | 39.88 | 39.65 | 39.46 | 39.89 | 42.02 | 44.79 | 45.99 | 47.82 | 47.65 | 46.69 | 44.38 | 43.02 |
| 20 | 39.72 | h39.48 | 39.36 | 41.25 | 42.09 | 45.03 | 47.13 | 47.26 | 48.08 | 46.94 | 44.37 | 42.78 |
| 25 | 39.74 | 39.37 | h39.29 | 39.99 | 41.75 | 44.74 | 47.20 | 47.97 | 47.39 | 47.28 | 44.30 | 42.23 |
| Eom | 39.57 | 39.40 | 40.46 | 40.76 | 42.05 | 45.98 | 47.38 | 48.40 | 46.90 | 46.27 | 43.87 | 42.18 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|--------|-------|
| 5 | 41.91 | 41.33 | 41.55 | 40.88 | 43.17 | 44.21 | 46.87 | 48.50 | 49.31 | 47.35 | 45.78 | 43.88 |
| 10 | 41.92 | 41.27 | 41.21 | 41.27 | 44.22 | 44.93 | 47.06 | 48.58 | 48.92 | 46.41 | 45.57 | 43.48 |
| 15 | 41.69 | 41.18 | 41.37 | 41.72 | 44.06 | 45.12 | 46.88 | 48.25 | 46.40 | 45.99 | e45.81 | 43.42 |
| 20 | 41.38 | 41.21 | 41.11 | h42.23 | 44.45 | 46.01 | 47.33 | 48.40 | 48.53 | 45.84 | 45.22 | 43.15 |
| 25 | 41.60 | 41.06 | 41.12 | 43.30 | 44.91 | 46.41 | 48.11 | 48.53 | 48.68 | 45.24 | 44.25 | 43.31 |
| Eom | 41.47 | 41.15 | 40.81 | 42.96 | 44.05 | 46.62 | 48.40 | 48.80 | 47.66 | 45.68 | 44.26 | 43.09 |

1965

| | | | | | | | | | | | | |
|-----|-------|--------|-------|--------|-------|-------|-------|--------|-------|--------|-------|-------|
| 5 | 42.75 | 41.74 | 40.90 | h40.08 | 42.34 | 45.09 | 46.76 | 47.54 | 48.00 | 46.47 | 45.45 | 43.10 |
| 10 | 42.93 | 41.56 | 40.81 | 41.13 | 43.02 | 45.52 | 47.11 | 47.55 | 47.99 | 46.08 | 44.89 | 43.06 |
| 15 | 42.49 | h41.43 | 40.61 | 40.58 | 43.92 | 45.60 | 47.22 | 48.01 | 47.86 | 45.48 | 44.31 | 43.01 |
| 20 | 42.16 | 41.30 | 40.61 | 40.62 | ..... | 46.42 | 47.17 | e48.32 | 48.11 | 46.09 | 44.20 | 42.57 |
| 25 | 41.96 | 41.02 | 40.35 | 41.65 | 44.55 | 46.75 | 47.83 | ..... | 48.22 | e45.88 | 43.59 | 42.94 |
| Eom | 41.81 | 40.91 | 40.23 | 40.86 | 43.96 | 46.73 | 47.89 | 47.89 | 47.24 | 45.28 | 43.37 | 42.66 |

1966

| | | | | | | | | | | | | |
|-----|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 42.34 | 41.60 | 40.81 | 40.55 | 42.23 | 44.76 | 47.22 | 49.32 | 50.22 | 47.81 | 47.23 | 43.50 |
| 10 | 42.11 | 41.28 | 40.56 | ..... | 42.53 | 45.59 | ..... | 49.23 | 49.68 | 47.38 | 47.07 | 44.04 |
| 15 | 42.14 | 41.09 | 40.83 | 40.60 | 42.53 | 45.49 | ..... | 49.28 | 49.35 | 47.53 | ..... | 43.09 |
| 20 | 41.99 | 40.94 | 40.94 | ..... | 42.41 | 45.42 | 48.76 | 49.84 | 49.12 | 46.88 | ..... | 42.60 |
| 25 | 41.78 | 40.68 | 41.25 | h41.80 | 43.35 | 46.81 | 48.95 | 49.76 | 49.08 | 46.51 | ..... | 42.19 |
| Eom | h41.54 | 40.47 | 40.64 | 42.38 | 43.55 | 47.20 | 49.63 | 49.74 | 48.48 | 46.51 | 44.17 | 41.61 |

e Estimated.

h Tape measurement.

394615N0860926.1. Local number Ma 10. Federal Bldg. Meridian and Ohio Sts., Indianapolis. 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 38.53 below lsd, Apr. 13, 1959; lowest 70.78 below lsd, Aug. 29, 1941. Records available: 1939-66. Nearby well being pumped. Measurement discontinued Dec. 28, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 2, 1963 | 45.54 | Sept. 30, 1963 | 49.00 | June 29, 1964 | 49.07 | Mar. 29, 1965 | 42.02 |
| 9 | 45.62 | Oct. 7 | 47.82 | July 6 | 48.69 | Apr. 5 | 42.04 |
| 16 | 44.46 | 14 | 48.01 | 13 | 48.63 | 12 | 42.53 |
| 23 | 44.37 | 21 | 48.15 | 20 | 49.04 | 19 | 42.10 |
| 30 | 44.45 | 28 | 48.50 | 27 | 50.83 | 26 | 42.87 |
| Feb. 7 | 44.62 | Nov. 4 | 46.67 | Aug. 3 | 50.49 | May 3 | 43.71 |
| 13 | 44.50 | 12 | 46.06 | 10 | 50.15 | 10 | 43.59 |
| 20 | 44.39 | 18 | 45.67 | 17 | 49.78 | 17 | 46.00 |
| 27 | 44.28 | 25 | 46.05 | 24 | 49.66 | 24 | 45.56 |
| Mar. 6 | 41.55 | Dec. 2 | 45.38 | 31 | 50.35 | 28 | 47.79 |
| 13 | 41.72 | 9 | 45.16 | Sept. 8 | 50.40 | June 3 | 46.96 |
| 18 | 41.53 | 16 | 44.85 | 14 | 49.85 | 7 | 47.03 |
| 25 | 41.66 | 23 | 44.39 | 21 | 49.72 | 14 | 47.83 |
| Apr. 1 | 42.26 | 30 | 44.19 | 28 | 49.08 | 21 | 48.35 |
| 8 | 42.10 | Jan. 6, 1964 | 43.78 | Oct. 5 | 49.23 | 28 | 48.84 |
| 15 | 41.80 | 14 | 43.77 | 12 | 47.23 | 2 | 49.41 |
| 22 | 42.40 | 20 | 43.58 | 19 | 47.30 | 9 | 49.28 |
| 29 | 42.49 | 27 | 43.52 | 26 | 48.70 | 16 | 49.74 |
| May 6 | 42.75 | Feb. 3 | 43.39 | Nov. 2 | 47.08 | 23 | 49.98 |
| 13 | 43.75 | 10 | 43.29 | 9 | 46.82 | 30 | 50.33 |
| 20 | 44.37 | 17 | 43.18 | 16 | 47.37 | Aug. 6 | 50.39 |
| 27 | 43.65 | 24 | 43.14 | 23 | 46.10 | 13 | 50.38 |
| June 3 | 44.90 | Mar. 2 | 43.69 | 30 | 45.89 | 20 | 51.01 |
| 10 | 46.06 | 9 | 45.27 | Dec. 7 | 45.24 | 27 | 50.92 |
| 17 | 46.38 | 16 | 43.28 | 14 | 44.98 | Sept. 3 | 49.95 |
| 24 | 46.65 | 23 | 42.90 | 21 | 44.81 | 10 | 50.62 |
| July 1 | 47.85 | 30 | 42.87 | 28 | 44.66 | 17 | 50.57 |
| 8 | 47.75 | Apr. 6 | 42.95 | Jan. 4, 1965 | 44.50 | 24 | 50.67 |
| 15 | 47.98 | 13 | 43.06 | 11 | 44.41 | Oct. 1 | 49.67 |
| 22 | 48.92 | 20 | 44.01 | 18 | 44.13 | 8 | 48.17 |
| 29 | 49.43 | 27 | 44.37 | 25 | 43.76 | 15 | 47.12 |
| Aug. 5 | 49.60 | May 4 | 45.17 | Feb. 1 | 43.53 | 25 | 48.33 |
| 12 | 49.75 | 11 | 45.59 | 8 | 43.51 | 1 | 47.64 |
| 19 | 49.24 | 18 | 45.68 | 15 | 43.24 | 8 | 47.02 |
| 26 | 49.53 | 25 | 47.01 | 22 | 43.08 | 15 | 45.76 |
| Sept. 3 | 49.30 | June 1 | 45.96 | Mar. 1 | 42.80 | 22 | 45.27 |
| 9 | 49.13 | 8 | 46.28 | 8 | 42.58 | 29 | 44.34 |
| 16 | 48.98 | 15 | 47.36 | 15 | 42.79 | 6 | 44.80 |
| 23 | 49.13 | 22 | 47.78 | 22 | 42.30 | 13 | 44.29 |

394615N0860926.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Dec. 20, 1965 | 44.19 | Mar. 14, 1966 | 42.58 | June 6, 1966 | 47.39 | Aug. 29, 1966 | 52.10 |
| 27 | 44.34 | 21 | 42.98 | 13 | 48.17 | Sept. 6 | 52.39 |
| Jan. 3, 1966 | 44.16 | 28 | 42.67 | 20 | 48.37 | 12 | 51.93 |
| 10 | 43.96 | Apr. 4 | 42.48 | 27 | 49.67 | 19 | 51.65 |
| 17 | 43.84 | 11 | 42.66 | July 5 | 50.22 | 26 | 51.48 |
| 24 | 43.65 | 18 | 42.89 | 11 | 50.77 | Oct. 3 | 51.65 |
| 31 | 43.42 | 25 | 43.34 | 18 | 51.44 | 10 | 48.73 |
| Feb. 7 | 43.19 | May 2 | 43.61 | 25 | 51.75 | 18 | 48.60 |
| 14 | 42.90 | 9 | 44.98 | Aug. 1 | 52.13 | 28 | 45.90 |
| 21 | 42.72 | 16 | 45.36 | 8 | 51.74 | Nov. 28 | 45.80 |
| 28 | 42.35 | 23 | 46.45 | 15 | 51.67 | Dec. 28 | 43.42 |
| Mar. 7 | 42.60 | 31 | 46.22 | 23 | 52.38 | | |

393937N0860021.1. Local number Ma 28, Manuel W. Rabourn. Dug unused artesian well in glacial drift, diam 42 in, depth 24 ft, cribbed with brick. Led about 819 ft above msl. MP top south side of well curb, 1.60 ft above led. Highest water level 0.15 below led, Apr. 25, May 8, 1961; lowest 17.23 below led, Dec. 26, 1964. Record is available: 1947-65. Recorder removed Sept. 6, 1963. Measurement discontinued Nov. 1, 1965.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|--|-------|-------|-------|------|------|-------|-------|-------|-------|------|-----------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 11.52 | 10.24 | .... | .... | 7.66 | 9.26 | 10.28 | .... | 11.56 | .... | .... |
| 10 | 11.47 | 10.09 | .... | .... | 7.93 | 9.38 | 10.43 | .... | .... | .... | .... |
| 15 | 11.07 | 10.23 | .... | .... | 8.24 | 9.54 | 10.60 | .... | .... | .... | .... |
| 20 | 10.84 | 10.40 | .... | 6.48 | 8.48 | 9.72 | 10.71 | .... | .... | .... | .... |
| 25 | 10.80 | 10.58 | .... | 7.08 | 8.75 | 9.94 | 10.74 | .... | .... | .... | .... |
| Eom | 10.76 | .... | e1.96 | 7.40 | 9.03 | 10.12 | .... | 11.44 | .... | .... | .... |

e Estimated.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Sept. 24, 1963 | 12.93 | Apr. 26, 1964 | 2.19 | Oct. 26, 1964 | 15.55 | May 29, 1965 | 6.75 |
| Oct. 26 | 12.30 | May 28 | 9.08 | Nov. 25 | 16.80 | June 27 | 9.39 |
| Nov. 26 | 14.07 | June 28 | 10.31 | Dec. 26 | 17.23 | July 26 | 7.60 |
| Dec. 26 | 15.17 | July 27 | 11.35 | Jan. 26, 1965 | 11.38 | Aug. 28 | 9.17 |
| Jan. 26, 1964 | 14.40 | Aug. 27 | 12.66 | Feb. 28 | 3.85 | Oct. 3 | 9.51 |
| Feb. 27 | 14.28 | Oct. 2 | 14.71 | Mar. 28 | 4.82 | Nov. 1 | 11.53 |
| Mar. 27 | 5.19 | 3 | 14.60 | Apr. 28 | 3.38 | | |

Martin County

384809N0865520.1. Local number Mt 3. John Ketcham. Dug unused water-table well in rock, diam 42 in, depth 32 ft, cribbed with stone. Led about 621 ft above msl. MP edge of hole in iron plate, 0.70 ft above led. Highest water level 18.02 below led, June 2, 1947; lowest 24.27 below led, Dec. 26, 1954. Records available: 1914-64. Measurement discontinued Sept. 21, 1964.

| | | | | | | | |
|---------------|-------|---------------|-------|--------------|-------|---------------|-------|
| Jan. 13, 1963 | 22.38 | June 30, 1963 | 20.68 | Dec. 8, 1963 | 22.39 | Apr. 19, 1964 | 19.71 |
| 20 | 22.41 | July 7 | 20.71 | 15 | 22.36 | 26 | 19.68 |
| 27 | 22.43 | 14 | 20.83 | 21 | 22.08 | May 3 | 19.65 |
| Feb. 3 | 22.45 | 21 | 21.31 | 30 | 22.53 | 10 | 19.82 |
| 10 | 22.48 | 28 | 21.38 | Jan. 5, 1964 | 22.58 | 24 | 20.35 |
| 17 | 22.55 | Aug. 4 | 21.53 | 12 | 22.56 | 31 | 20.44 |
| 24 | 22.58 | 11 | 21.58 | 19 | 22.68 | June 7 | 20.71 |
| Mar. 10 | 21.75 | 18 | 21.63 | 26 | 22.72 | 14 | 20.50 |
| 24 | 19.85 | Sept. 1 | 21.88 | Feb. 2 | 22.78 | 28 | 20.72 |
| 31 | 19.65 | 8 | 21.96 | 11 | 22.82 | July 12 | 20.36 |
| Apr. 7 | 19.62 | 15 | 22.09 | 16 | 22.84 | 19 | 20.38 |
| 14 | 19.59 | 30 | 22.29 | 23 | 22.85 | 26 | 20.66 |
| 21 | 20.28 | Oct. 6 | 22.34 | Mar. 1 | 22.87 | Aug. 2 | 20.78 |
| 28 | 20.39 | 13 | 22.43 | 8 | 22.84 | 16 | 20.92 |
| May 7 | 20.58 | 27 | 22.46 | 15 | 20.32 | 23 | 21.28 |
| 19 | 19.65 | Nov. 3 | 22.49 | 22 | 20.31 | 30 | 21.36 |
| 26 | 19.67 | 10 | 22.53 | 29 | 20.09 | Sept. 9 | 21.59 |
| June 9 | 20.61 | 17 | 22.51 | Apr. 5 | 20.02 | 13 | 21.66 |
| 16 | 20.58 | 24 | 22.47 | 12 | 19.99 | 20 | 21.72 |
| 21 | 20.66 | Dec. 1 | 22.45 | | | | |

Montgomery County

395244N0870241.1. Local number My 1. Byron Banta. Waveland. 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. Led about 765 ft above msl. MP inner manhole ring at painted arrow, 1.16 ft above led. Highest water level 2.78 below led, Jan. 4, 1950; lowest 15.45 below led, Nov. 16, 1940. Records available: 1935-67. Measurement discontinued Jan. 16, 1967.

411922N0852218, 1--Continued.

| 1967 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 31.94 | 31.72 | 31.60 | 31.16 | 31.20 | 31.00 | 31.25 | 31.39 | 31.60 | 31.70 | 31.94 |
| 10 | 32.00 | 31.46 | 31.61 | 31.18 | 30.91 | 30.87 | 30.97 | 31.35 | 31.55 | 31.62 | 31.85 31.64 |
| 15 | 31.92 | 31.44 | 31.65 | 31.08 | 30.94 | 30.94 | 31.21 | 31.39 | 31.58 | 31.72 | 31.89 31.93 |
| 20 | 31.86 | 31.72 | 31.39 | 31.11 | 30.98 | 30.94 | 31.26 | 31.29 | 31.43 | 31.73 | 31.90 31.83 |
| 25 | 31.81 | 32.04 | 31.43 | 31.29 | 30.94 | 31.00 | 31.09 | 31.45 | 31.62 | 31.84 | 31.61 31.41 |
| Eom | 31.83 | 31.59 | 31.42 | 30.92 | 31.02 | 31.02 | 31.22 | 31.57 | 31.55 | 31.83 | 31.84 31.65 |

Owen County

392717N0865348, 1. Local number Ow 5. David R. Bronson. Dug unused artesian well in sandy clay, diam 26 in, depth 19 ft, cribbed with stone. On June 25, 1958, an 8-in slotted steel casing was set to a depth of 17 ft and well backfilled with coarse gravel. Led about 780 ft above msl. MP top of casing, 1.62 ft above lsd. Highest water level 0.21 below lsd, Apr. 27, 1964; lowest dry, Nov. 22, 1964, to Jan. 15, 1965. Records available: 1946-67. Measurement discontinued Jan. 17, 1967.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|--|-------|-------|-------|------|-------|------|-------|-------|-------|-------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | ..... | 10.37 | ..... | 1.07 | 2.62 | 7.97 | 9.47 | 9.90 | 10.58 | 11.34 | 12.35 13.03 |
| 10 | 12.42 | 10.38 | ..... | 1.80 | 3.46 | 8.25 | 9.49 | 9.96 | 10.69 | 11.46 | 12.46 13.14 |
| 15 | 11.60 | 10.49 | ..... | 2.51 | 4.65 | 8.56 | 9.57 | 10.08 | 10.81 | 11.65 | 12.59 13.26 |
| 20 | 10.83 | 10.56 | ..... | 2.27 | 5.64 | 8.82 | ..... | 10.23 | 10.93 | 11.84 | e12.72 13.44 |
| 25 | 10.47 | 10.69 | 1.20 | 2.74 | ..... | 9.16 | 9.66 | 10.31 | 11.07 | 12.00 | 12.86 13.55 |
| Eom | 10.36 | 10.75 | .42 | 2.77 | 7.50 | 9.28 | 9.80 | ..... | 11.19 | 12.19 | 12.95 13.73 |

| 1964 | | | | | | | | | | | |
|------|-------|-------|-------|------|-------|------|-------|-------|-------|-------|------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 13.84 | 13.85 | 1.63 | 1.00 | 1.83 | 7.05 | 9.31 | 10.38 | 11.35 | 12.51 | 13.77 (f) |
| 10 | 13.97 | 12.95 | ..... | 1.21 | 2.61 | 7.67 | 9.51 | 10.56 | 11.53 | 12.67 | e13.91 (f) |
| 15 | 14.07 | 11.57 | h.93 | 1.61 | 3.25 | 8.18 | 9.69 | 10.72 | 11.72 | 12.87 | e13.92 (f) |
| 20 | 14.12 | 5.78 | .92 | .24 | e4.05 | 8.57 | 9.91 | 10.87 | 11.93 | 13.04 | e13.93 (f) |
| 25 | 14.12 | 4.32 | .87 | .74 | 5.01 | 8.84 | 10.07 | 11.01 | 12.13 | 13.24 | (f) (f) |
| Eom | 14.05 | 4.25 | 1.44 | .77 | 6.22 | 9.12 | 10.25 | 11.20 | 12.33 | 13.48 | (f) (f) |

| 1965 | | | | | | | | | | | |
|------|-------|------|-------|------|------|-------|------|------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | (f) | 6.62 | 0.98 | 1.08 | 2.02 | 6.82 | 3.56 | 6.89 | 9.19 | 10.04 | 10.97 11.73 |
| 10 | (f) | .81 | ..... | 1.37 | 2.28 | 5.12 | 3.33 | 7.50 | 9.41 | 10.13 | 11.08 11.87 |
| 15 | 14.05 | 1.54 | ..... | .38 | 3.02 | 5.21 | 3.69 | 8.02 | 9.60 | 10.31 | 11.24 10.23 |
| 20 | 13.91 | 2.11 | 2.10 | 1.36 | 4.01 | 6.05 | 4.32 | 8.33 | 9.76 | 10.47 | 11.35 8.90 |
| 25 | 7.63 | 2.40 | 1.89 | h.65 | 4.99 | e6.81 | 5.02 | 8.65 | 9.81 | 10.61 | 11.43 7.43 |
| Eom | h5.97 | 1.77 | 1.90 | 1.33 | 6.05 | 6.98 | 6.18 | 8.95 | 9.90 | 10.83 | 11.59 3.80 |

| 1966 | | | | | | | | | | | |
|------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 1.34 | ..... | 1.61 | 2.57 | 1.51 | h5.05 | 8.68 | 9.84 | 10.81 | 11.24 | 11.20 1.02 |
| 10 | 1.88 | 3.86 | ..... | 3.20 | 2.17 | ..... | 8.89 | 10.02 | 10.97 | 11.30 | ..... |
| 15 | 2.38 | 2.02 | 1.15 | 1.27 | 1.22 | ..... | 9.10 | 10.20 | 11.10 | 11.40 | ..... |
| 20 | 3.11 | 2.13 | 1.55 | 1.45 | 1.72 | 7.70 | 9.31 | 10.35 | 10.99 | 11.30 | h5.00 |
| 25 | e3.95 | 2.65 | 1.63 | 1.07 | 2.40 | 8.17 | 9.53 | 10.51 | 11.00 | 11.20 | h2.55 |
| Eom | ..... | 2.26 | 2.00 | .32 | ..... | 8.45 | 9.62 | 10.71 | ..... | 11.17 | ..... |

e Estimated.

f Dry.

h Tape measurement.

391731N0864214, 1. Local number Ow 7. U.S. Geol. Survey. Drilled observation artesian well in Mississippian limestone, diam 6 in, depth 150 ft, cased 0-15. Led 806.63 ft above msl. MP top of recorder shaft, 2.38 ft above lsd. Highest water level 112.67 below lsd, Dec. 2, 1967; lowest 116.11 below lsd, Sept 23, 1967. Records available: 1967. Recorder installed July 27, 1967.

| Highest water level for the day, from recorder graph, 1967 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | | | | | | | | 115.90 | 116.02 | 116.04 | 115.59 |
| 10 | | | | | | | | 115.98 | 116.03 | 116.05 | 115.35 |
| 15 | | | | | | | | 115.99 | 116.02 | 116.03 | 115.00 115.39 |
| 20 | | | | | | | | 115.99 | 116.03 | ..... | 115.96 115.52 |
| 25 | | | | | | | | 116.01 | 116.03 | ..... | 115.98 115.45 |
| Eom | | | | | | | 115.98 | 116.03 | 116.04 | ..... | 115.84 115.63 |

Parke County

394800N0872209, 1. Local number Pa 3. E. C. and W. W. Market. Montezuma. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 12 in, depth 124 ft, perforated 107-124. Led 514.3 ft above msl. MP top of casing, 1.65 ft above lsd. Highest water level 36.55 below lsd, Aug. 10-12, 1958; lowest 50.95 below lsd, Jan. 9-14, 1964. Records available: 1957-67. Recorder installed July 16, 1967.

| Highest water level for the day, from recorder graph, 1957 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | | | | | | | | 39.07 | 41.22 | 43.31 | 44.86 45.52 |
| 10 | | | | | | | | 39.30 | 41.59 | 43.64 | 45.12 45.54 |
| 15 | | | | | | | | 39.66 | 41.96 | 43.93 | 45.25 45.47 |
| 20 | | | | | | | 38.58 | 40.00 | 42.35 | 44.30 | 45.28 45.31 |
| 25 | | | | | | | 38.64 | 40.36 | 42.69 | 44.54 | 45.30 43.71 |
| Eom | | | | | | | 38.78 | 40.84 | 42.98 | 44.66 | 45.41 42.36 |

394800N0872209.1--Continued.

| 1958 | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | 41.92 | 43.04 | 44.14 | 45.10 | ..... | 39.21 | 36.88 | 37.64 | 39.75 | e42.27 | 42.85 |
| 10 | 41.68 | ..... | 43.23 | 44.36 | 45.09 | 45.80 | 39.15 | 36.55 | 37.84 | 40.19 | 42.66 | 42.96 |
| 15 | 41.67 | 42.31 | 43.43 | 44.50 | 45.16 | ..... | 38.82 | 36.68 | 38.26 | 40.63 | 42.99 | 42.97 |
| 20 | 41.66 | 42.59 | 43.65 | 44.65 | 45.26 | ..... | 38.10 | 36.66 | 38.62 | 40.99 | 43.02 | 43.10 |
| 25 | 41.64 | 42.77 | 43.88 | 44.86 | 45.37 | 39.89 | 37.68 | 36.82 | 38.97 | e41.42 | 42.95 | 43.26 |
| Eom | 41.72 | 42.86 | 44.04 | 44.98 | ..... | 39.46 | 37.64 | 37.23 | 39.33 | 41.92 | ..... | 43.46 |
| 1959 | | | | | | | | | | | | |
| 5 | ..... | 41.97 | 38.17 | 38.43 | 38.11 | ..... | 41.53 | 43.72 | 45.56 | 46.95 | 47.77 | 47.97 |
| 10 | 43.86 | 41.29 | 38.30 | 38.46 | 38.06 | 39.87 | 41.90 | 44.04 | ..... | 47.15 | 47.86 | 48.04 |
| 15 | 43.99 | 39.00 | 38.13 | 38.58 | 38.35 | e40.17 | ..... | 44.36 | 46.03 | 47.27 | 47.93 | 46.07 |
| 20 | 44.12 | ..... | 38.08 | 38.80 | 38.65 | 40.46 | 42.66 | 44.65 | 46.30 | 47.34 | 47.86 | 47.98 |
| 25 | e43.62 | 38.23 | 38.16 | ..... | ..... | ..... | ..... | 44.94 | 46.55 | 47.46 | 47.87 | 47.98 |
| Eom | 42.59 | 38.26 | 38.33 | 38.96 | 39.12 | 41.22 | 43.40 | ..... | 46.78 | 47.65 | 47.92 | ..... |
| 1960 | | | | | | | | | | | | |
| 5 | 47.85 | 47.21 | ..... | ..... | 43.96 | 44.26 | 41.93 | 42.91 | 44.46 | 46.04 | 47.52 | 46.55 |
| 10 | ..... | 46.99 | ..... | 45.46 | ..... | ..... | e41.93 | 43.07 | ..... | ..... | 47.73 | 46.68 |
| 15 | 47.73 | 45.95 | ..... | ..... | 44.05 | 44.45 | 42.08 | 43.31 | ..... | ..... | 47.90 | 46.80 |
| 20 | ..... | ..... | 45.59 | ..... | 44.10 | ..... | ..... | 43.55 | ..... | ..... | 48.08 | 48.93 |
| 25 | 47.44 | 45.73 | ..... | ..... | ..... | 43.05 | 42.41 | 43.85 | ..... | e47.09 | 48.25 | 49.04 |
| Eom | e47.32 | ..... | ..... | ..... | ..... | 42.07 | 42.66 | 44.18 | 45.83 | 47.30 | 48.41 | 49.16 |
| 1961 | | | | | | | | | | | | |
| 5 | 49.28 | 49.83 | 49.85 | ..... | 42.63 | ..... | 40.79 | 42.68 | 44.26 | 45.75 | 46.93 | ..... |
| 10 | 49.38 | 49.89 | 49.67 | ..... | 41.92 | 39.92 | 41.11 | 42.84 | 44.56 | 45.96 | 47.03 | ..... |
| 15 | 49.45 | 49.96 | 49.34 | 46.51 | 40.30 | 39.90 | 41.44 | 43.09 | 44.85 | e46.13 | 47.21 | 47.54 |
| 20 | 49.55 | 50.00 | ..... | 46.23 | 39.75 | 39.94 | 41.78 | 43.30 | 45.09 | 46.36 | 47.32 | 47.60 |
| 25 | 49.65 | 49.95 | ..... | 45.40 | 39.63 | 40.18 | 42.10 | 43.64 | 45.36 | 46.56 | 47.34 | 47.62 |
| Eom | 49.74 | 49.97 | ..... | 43.55 | 39.79 | 40.48 | 42.50 | 43.97 | 45.56 | 46.77 | ..... | 47.69 |
| 1962 | | | | | | | | | | | | |
| 5 | 47.72 | 43.28 | 41.71 | 38.90 | 40.18 | 41.45 | 42.58 | ..... | ..... | 45.60 | e47.00 | e48.00 |
| 10 | 47.60 | 42.66 | 41.50 | 39.00 | 40.36 | 41.53 | 42.76 | ..... | ..... | 45.90 | e47.15 | e46.20 |
| 15 | 47.34 | 42.44 | 41.31 | 39.16 | 40.47 | 41.56 | 42.89 | ..... | ..... | 46.10 | e47.35 | 46.30 |
| 20 | 46.98 | 42.40 | 40.78 | 39.37 | 40.62 | 41.72 | 42.47 | ..... | 44.85 | 46.35 | e47.55 | e48.45 |
| 25 | 46.60 | 42.32 | 39.83 | 39.62 | 40.88 | 41.99 | 42.31 | ..... | 45.10 | 46.55 | e47.70 | e46.55 |
| Eom | 44.57 | 42.27 | 38.97 | 39.90 | 41.19 | 42.33 | ..... | ..... | 45.35 | e46.80 | e47.85 | e46.70 |
| 1963 | | | | | | | | | | | | |
| 5 | e46.85 | 49.50 | e49.50 | 45.30 | e44.70 | 45.35 | 46.50 | 47.50 | e48.40 | 49.25 | 50.00 | 50.50 |
| 10 | e46.95 | e49.55 | 47.70 | 45.10 | e44.70 | 45.50 | 46.70 | 47.65 | e48.55 | e49.40 | 50.10 | 50.60 |
| 15 | 49.05 | e49.55 | 46.55 | e45.00 | e44.80 | 45.65 | 46.90 | 47.80 | e48.70 | e48.55 | 50.20 | 50.65 |
| 20 | 49.15 | e49.55 | 48.20 | e44.95 | e44.90 | e45.85 | 47.10 | 47.95 | 48.85 | 49.65 | 50.30 | 50.70 |
| 25 | 49.25 | e49.50 | 45.80 | e44.90 | e45.05 | e46.10 | 47.20 | 48.10 | 49.00 | 49.80 | 50.35 | 50.75 |
| Eom | 49.35 | e49.50 | 45.60 | e44.80 | 45.20 | 46.30 | 47.35 | e48.25 | 49.15 | 49.90 | 50.45 | 50.85 |
| 1964 | | | | | | | | | | | | |
| 5 | 50.90 | h50.80 | 50.85 | 47.50 | 41.30 | 41.80 | 43.20 | 44.55 | e46.30 | 47.80 | e46.90 | 49.70 |
| 10 | 50.95 | 50.80 | 50.60 | 46.75 | 41.15 | 42.05 | 43.45 | e44.85 | e46.55 | 48.00 | h49.11 | 49.80 |
| 15 | ..... | 50.80 | 49.85 | 46.15 | 41.15 | 42.35 | 43.55 | e45.15 | e46.85 | e48.20 | 49.25 | 49.90 |
| 20 | ..... | 50.85 | 49.15 | 45.75 | 41.20 | 42.65 | 42.75 | 46.40 | 47.10 | e46.40 | 49.35 | 50.00 |
| 25 | ..... | 50.85 | 46.70 | e43.70 | 41.30 | 42.75 | 44.00 | 45.65 | 47.35 | e46.55 | 49.50 | 50.05 |
| Eom | ..... | 50.90 | 46.10 | 41.75 | 41.55 | 42.90 | 44.30 | 46.00 | 47.55 | e46.75 | 49.65 | 50.15 |
| 1965 | | | | | | | | | | | | |
| 5 | 50.15 | 49.50 | 47.85 | 46.15 | 42.00 | 43.00 | 44.10 | 45.35 | e46.75 | 47.55 | 48.25 | 48.95 |
| 10 | 50.10 | 49.35 | 47.45 | 45.50 | 42.85 | 43.10 | 44.30 | 45.60 | 47.00 | 47.63 | h48.41 | 49.05 |
| 15 | 50.05 | 48.90 | 47.10 | 44.55 | 42.80 | 43.25 | 44.55 | 45.85 | 47.15 | 47.75 | 46.50 | 49.15 |
| 20 | ..... | 48.45 | 46.85 | 42.95 | 42.85 | 43.45 | 44.75 | 46.05 | 47.25 | 47.88 | 46.65 | 49.20 |
| 25 | ..... | 46.20 | 46.60 | 43.70 | 42.95 | 43.70 | 44.90 | 46.30 | 47.30 | 48.02 | 46.75 | 49.25 |
| Eom | ..... | 48.10 | 46.35 | 43.30 | 42.95 | 42.90 | 45.15 | e46.55 | 47.40 | 46.13 | 48.85 | 49.15 |
| 1966 | | | | | | | | | | | | |
| 5 | 49.00 | e48.60 | 48.55 | 46.50 | 48.20 | 47.35 | 47.70 | 48.50 | e49.40 | e50.10 | 50.65 | 50.35 |
| 10 | 46.90 | e48.60 | 48.50 | 46.55 | 46.05 | 47.35 | 47.85 | 48.65 | e49.55 | e50.20 | 50.70 | 49.70 |
| 15 | 46.80 | e48.55 | 48.50 | 48.60 | 47.85 | h47.38 | 47.90 | e48.80 | e49.65 | e50.30 | 50.70 | 47.10 |
| 20 | 48.80 | 48.55 | 48.46 | 46.70 | 47.65 | 47.45 | 46.05 | 48.95 | e49.75 | 50.40 | 50.70 | 45.65 |
| 25 | 48.70 | 48.50 | 48.45 | 48.65 | 47.50 | 47.50 | 48.15 | e49.15 | 49.90 | 50.50 | 50.65 | 45.00 |
| Eom | e48.65 | 48.50 | 48.40 | 48.50 | 47.40 | 47.60 | 48.35 | e49.30 | e50.00 | 50.55 | 50.55 | 44.55 |
| 1967 | | | | | | | | | | | | |
| 5 | 44.35 | 44.05 | 43.70 | 42.55 | 42.20 | h42.00 | ..... | 45.10 | e46.75 | 48.00 | e46.95 | ..... |
| 10 | ..... | ..... | 43.70 | 42.40 | 42.00 | ..... | ..... | 45.40 | 47.00 | 46.20 | e49.05 | ..... |
| 15 | ..... | 43.75 | 43.65 | 42.25 | 41.80 | ..... | 43.90 | 45.65 | 47.20 | 48.35 | e49.15 | 48.70 |
| 20 | 44.25 | 48.65 | 43.45 | 42.10 | 41.65 | ..... | 44.20 | e45.95 | 47.45 | 48.50 | ..... | 46.25 |
| 25 | 44.35 | 43.70 | 43.25 | 42.10 | ..... | ..... | 44.50 | e46.20 | 47.65 | 48.65 | ..... | 46.65 |
| Eom | 44.25 | 43.60 | 42.85 | 42.10 | ..... | ..... | 44.80 | e46.50 | 47.80 | 48.85 | ..... | 44.80 |

e Estimated.

h Tape measurement.

393619N0870430.1. Local number Pa 6. U.S. Geol. Survey. Drilled observation artesian well in Pennsylvanian sandstone, diam 6 in, depth 155 ft, cased 0-46. Led 703.3 ft above msl. MP top of recorder shelf, 2.20 ft above lsd. Highest water level 13.28 below lsd, Aug. 3, 1967; lowest 15.06 below lsd, Nov. 15, 1967. Records available: 1967. Recorder installed July 27, 1967.

393619N0870430.1--Continued.

| Highest water level for the day, from recorder graph, 1967 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | | | | | | | | 13.35 | 14.08 | 14.56 | 14.94 |
| 10 | | | | | | | | 13.39 | 14.17 | 14.64 | ..... |
| 15 | | | | | | | | 13.51 | 14.26 | 14.73 | 14.96 |
| 20 | | | | | | | | 13.55 | 14.27 | 14.72 | 14.91 |
| 25 | | | | | | | | 13.71 | 14.42 | 14.73 | 14.84 |
| From | | | | | | | 13.31 | 13.91 | 14.43 | 14.81 | ..... |

Pike County

382303N0871256.1. Local number Pt 1. A. J. Heuring. Lafayette and Main Sts., Winslow. 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, 1964. Records available: 1936-67. Measurements made by Pike County State Forest personnel. Measurement discontinued Jan. 1, 1967.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 2, 1963 | 7.07 | Dec. 24, 1963 | 7.89 | Dec. 16, 1964 | 9.66 | Dec. 22, 1965 | 9.59 |
| 9 | 6.79 | Jan. 1, 1964 | 8.36 | 23 | 9.51 | 29 | 9.82 |
| 16 | 6.62 | 8 | 8.68 | 30 | 9.39 | Jan. 5, 1966 | 8.91 |
| 23 | 6.68 | 15 | 8.46 | Jan. 6, 1965 | 9.19 | 12 | 8.61 |
| 30 | 7.01 | 22 | 8.13 | 13 | 8.68 | 19 | 8.51 |
| Feb. 6 | 7.02 | 29 | 8.01 | 20 | 8.46 | 26 | 8.74 |
| 13 | 6.94 | Feb. 5 | 8.11 | 27 | 8.19 | Feb. 2 | 8.68 |
| 20 | 6.96 | 12 | 8.07 | Feb. 3 | 8.03 | 9 | 8.75 |
| 27 | 7.25 | 19 | 7.72 | 10 | 7.86 | 16 | 7.92 |
| Mar. 6 | 6.55 | 26 | 7.66 | 17 | 7.42 | 23 | 7.46 |
| 13 | 5.99 | Mar. 4 | 7.29 | 24 | 7.22 | Mar. 2 | 7.20 |
| 20 | 5.62 | 11 | 5.66 | Mar. 3 | 7.09 | 9 | 7.11 |
| 27 | 5.49 | 18 | 5.76 | 10 | 6.81 | 16 | 7.02 |
| Apr. 3 | 5.41 | 25 | 5.89 | 17 | 6.76 | 23 | 6.71 |
| 10 | 5.33 | Apr. 1 | 6.27 | 24 | 6.82 | 30 | 6.87 |
| 17 | 6.01 | 8 | 6.07 | 31 | 6.83 | Apr. 6 | 6.97 |
| 24 | 5.51 | 15 | 6.06 | Apr. 7 | 6.74 | 13 | 6.99 |
| May 1 | 6.19 | 22 | 5.81 | 14 | 6.71 | 20 | 6.82 |
| 9 | 6.48 | 29 | 5.52 | 21 | 6.57 | 27 | 6.58 |
| 15 | 6.42 | May 6 | 5.88 | 28 | 6.43 | May 4 | 6.03 |
| 22 | 6.23 | 13 | 6.36 | May 5 | 6.58 | 11 | 6.11 |
| 29 | 6.09 | 20 | 6.82 | 12 | 5.07 | 18 | 6.06 |
| June 5 | 6.28 | 27 | 6.81 | 19 | 6.49 | June 15 | 6.92 |
| 12 | 6.53 | June 3 | 6.84 | 26 | 6.52 | 22 | 7.48 |
| 19 | 6.76 | 10 | 6.85 | June 2 | 7.32 | 29 | 7.98 |
| 26 | 7.04 | 17 | 6.74 | 9 | 7.57 | July 6 | 8.16 |
| July 3 | 6.98 | 24 | 6.87 | 16 | 7.58 | 13 | 8.42 |
| 10 | 6.63 | July 1 | 6.43 | 23 | 8.01 | 20 | 8.62 |
| 17 | 6.46 | 8 | 7.67 | 30 | 8.03 | 27 | 8.93 |
| 24 | 6.44 | 15 | 7.65 | July 14 | 7.74 | Aug. 3 | 8.97 |
| 31 | 6.51 | 22 | 7.84 | 28 | 8.39 | 10 | 9.15 |
| Aug. 7 | 6.88 | 29 | 8.03 | Aug. 4 | 8.66 | 17 | 9.02 |
| 14 | 6.98 | Aug. 5 | 8.04 | 11 | 8.89 | 24 | 9.10 |
| 21 | 6.72 | 12 | 8.29 | 18 | 9.12 | 31 | 9.33 |
| 28 | 6.97 | 19 | 8.61 | 25 | 9.23 | Sept. 7 | 9.37 |
| Sept. 4 | 7.07 | 26 | 8.89 | Sept. 1 | 9.25 | 14 | 9.44 |
| 11 | 6.96 | Sept. 2 | 9.03 | 8 | 9.11 | 21 | 9.26 |
| 18 | 7.12 | 9 | 9.24 | 15 | 8.62 | 28 | 9.18 |
| 25 | 7.33 | 16 | 9.45 | 22 | 8.23 | Oct. 5 | 9.15 |
| Oct. 2 | 7.40 | 23 | 9.49 | 29 | 8.03 | 12 | 9.36 |
| 9 | 7.56 | 30 | 9.52 | Oct. 6 | 8.16 | 19 | 9.38 |
| 16 | 7.67 | Oct. 7 | 9.67 | 13 | 8.03 | 25 | 9.59 |
| 23 | 7.64 | 14 | 10.97 | 20 | 8.33 | Nov. 2 | 9.79 |
| 30 | 7.48 | 21 | 10.12 | 27 | 8.42 | 9 | 9.60 |
| Nov. 6 | 7.06 | 28 | 10.39 | Nov. 3 | 8.24 | 16 | 9.25 |
| 13 | 6.94 | Nov. 4 | 10.56 | 10 | 8.03 | 23 | 9.37 |
| 20 | 6.96 | 10 | 10.68 | 17 | 8.04 | 30 | 9.10 |
| 27 | 6.97 | 18 | 10.76 | 24 | 9.09 | Dec. 7 | 9.02 |
| Dec. 5 | 7.31 | 25 | 10.69 | Dec. 1 | 9.26 | 14 | 8.79 |
| 11 | 7.51 | Dec. 2 | 10.59 | 8 | 9.45 | 21 | 7.97 |
| 18 | 7.78 | 9 | 10.12 | 15 | 9.48 | 28 | 7.96 |

Porter County

413524N0870725.1. Local number Pt 8. Wabash Railroad. Drilled observation artesian well in clay and sand, diam 10 in, depth 79 ft. Lsd about 635 ft above msl. MP No. 1, top of casing, 3.25 ft above lsd, MP No. 2, top of platform, 3.30 ft above lsd. Highest water level 8.20 below lsd, Mar. 28-29, Apr. 1, 1962; lowest 13.10 below lsd, Dec. 26, 30-31, 1964, Jan. 9, 13-21, 1965. Records available: 1956-67. Recorder installed Nov. 27, 1956.

413524N0870725.1--Continued.

| Highest water level for the day, from recorder graph, 1956 | | | | | | | | | | | | |
|--|-------|-------|--------|-------|--------|-------|--------|--------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.28 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11.26 | 11.41 |
| 1957 | | | | | | | | | | | | |
| 5 | 11.47 | 11.65 | 11.73 | ..... | 11.40 | 11.31 | 11.44 | 11.45 | 11.46 | 11.60 | ..... | ..... |
| 10 | 11.46 | 11.64 | 11.73 | ..... | 11.33 | 11.31 | 11.49 | 11.30 | 11.47 | 11.66 | ..... | ..... |
| 15 | 11.51 | 11.64 | 11.76 | 11.79 | 11.31 | 11.37 | 11.37 | 11.35 | 11.47 | 11.63 | ..... | ..... |
| 20 | 11.52 | 11.69 | 11.80 | 11.78 | 11.30 | 11.36 | 11.35 | 11.36 | 11.50 | 11.69 | ..... | 11.47 |
| 25 | 11.54 | 11.65 | 11.76 | 11.74 | 11.25 | 11.39 | 11.38 | 11.37 | 11.53 | ..... | ..... | 11.30 |
| Eom | 11.59 | 11.69 | 11.76 | 11.45 | 11.29 | 11.44 | 11.41 | 11.40 | 11.54 | ..... | ..... | ..... |
| 1958 | | | | | | | | | | | | |
| 5 | 11.23 | 11.17 | 11.05 | 10.91 | 11.09 | 11.30 | ..... | 11.19 | 11.24 | 11.40 | 11.55 | ..... |
| 10 | 11.23 | 11.20 | 11.04 | 10.99 | 11.10 | 11.22 | 11.06 | 11.12 | 11.28 | 11.50 | 11.60 | 11.75 |
| 15 | 11.25 | 11.21 | 11.01 | 11.01 | 11.11 | 11.15 | 11.10 | 11.12 | 11.30 | 11.45 | 11.55 | 11.70 |
| 20 | 11.21 | 11.26 | 10.99 | 10.99 | 11.15 | ..... | 11.13 | 11.13 | 11.30 | 11.50 | 11.65 | 11.80 |
| 25 | 11.15 | 11.17 | 11.00 | 11.11 | 11.14 | ..... | 11.12 | 11.17 | 11.35 | 11.55 | 11.65 | 11.80 |
| Eom | 11.18 | 11.09 | 11.01 | 11.05 | 11.10 | 11.05 | ..... | 11.20 | 11.40 | 11.55 | 11.70 | 11.75 |
| 1959 | | | | | | | | | | | | |
| 5 | 11.85 | 11.95 | 11.30 | 10.95 | 10.50 | ..... | 10.45 | 10.25 | 10.60 | 10.75 | 10.65 | 10.35 |
| 10 | 11.85 | 11.85 | 11.35 | 10.95 | ..... | ..... | 10.55 | 10.25 | 10.65 | 10.70 | 10.50 | 10.35 |
| 15 | 11.85 | 11.80 | 11.15 | 10.90 | ..... | 10.35 | 10.60 | 10.30 | ..... | 10.75 | 10.45 | 10.25 |
| 20 | 11.80 | 11.75 | 11.25 | 10.90 | ..... | 10.35 | 10.65 | 10.35 | 10.70 | 10.75 | 10.40 | 10.30 |
| 25 | 11.90 | 11.60 | 11.20 | 10.85 | ..... | 10.40 | 10.35 | 10.40 | 10.75 | ..... | 10.40 | 10.25 |
| Eom | 12.00 | 11.55 | 11.05 | 10.50 | ..... | 10.45 | 10.30 | 10.50 | 10.75 | 10.75 | 10.35 | 10.30 |
| 1960 | | | | | | | | | | | | |
| 5 | 10.25 | 9.50 | 9.30 | 8.80 | 8.75 | 9.00 | 8.80 | 9.30 | 9.60 | 9.90 | 10.25 | 10.40 |
| 10 | 10.20 | 9.10 | 9.30 | 8.90 | 8.75 | 9.10 | 8.80 | 9.30 | 9.70 | 10.00 | 10.25 | 10.45 |
| 15 | 9.70 | 9.20 | 9.25 | 8.80 | 8.85 | 8.60 | 8.95 | 9.40 | 9.75 | 10.05 | 10.20 | 10.40 |
| 20 | 9.90 | 9.25 | 9.35 | 8.35 | 8.80 | 8.55 | 9.05 | 9.40 | 9.80 | 10.10 | 10.35 | 10.50 |
| 25 | 9.80 | 9.10 | 9.30 | 8.50 | 8.85 | 8.70 | 9.10 | 9.50 | 9.85 | 10.10 | 10.30 | 10.55 |
| Eom | 9.75 | 9.25 | 8.80 | 8.55 | 8.95 | 8.75 | 9.25 | 9.55 | 9.90 | 10.05 | 10.40 | 10.60 |
| 1961 | | | | | | | | | | | | |
| 5 | 10.60 | 10.85 | 10.90 | 10.70 | 9.80 | 10.00 | 9.85 | 9.80 | ..... | 9.25 | 9.30 | 9.10 |
| 10 | 10.70 | 10.85 | 10.85 | 10.70 | 9.80 | 9.85 | 9.90 | 9.70 | ..... | 9.30 | 9.20 | 9.15 |
| 15 | 10.70 | 10.90 | 10.80 | 10.60 | 9.70 | 9.80 | 9.90 | 9.75 | ..... | 9.35 | 9.15 | 9.20 |
| 20 | 10.70 | 10.95 | 10.70 | 10.45 | 9.75 | 9.75 | 10.00 | 9.80 | 9.85 | 9.35 | 9.20 | 9.15 |
| 25 | 10.75 | 10.90 | 10.70 | 9.90 | 9.70 | 9.80 | 10.05 | 9.90 | 9.50 | 9.25 | 9.15 | 9.20 |
| Eom | 10.80 | 11.00 | 10.65 | 9.90 | 9.80 | 9.85 | 10.05 | ..... | 9.25 | 9.25 | 9.15 | 9.35 |
| 1962 | | | | | | | | | | | | |
| 5 | 9.30 | 9.15 | 9.15 | 8.35 | 8.75 | 9.10 | 9.50 | 9.75 | 10.10 | 10.35 | 10.55 | 10.75 |
| 10 | 9.25 | 9.10 | 9.05 | 8.45 | 8.75 | 9.15 | 9.55 | ..... | ..... | 10.40 | 10.55 | 10.80 |
| 15 | 9.05 | 9.15 | 8.80 | 8.50 | 8.80 | 9.20 | 9.60 | ..... | ..... | 10.45 | 10.60 | 10.75 |
| 20 | 9.25 | 9.20 | 8.35 | 8.55 | 8.80 | 9.25 | 9.70 | ..... | 10.25 | 10.45 | 10.60 | 10.90 |
| 25 | 9.25 | 9.15 | 8.25 | 8.60 | 8.95 | 9.35 | 9.70 | 9.95 | 10.25 | 10.50 | 10.75 | 10.85 |
| Eom | 9.20 | 9.20 | 8.25 | 8.65 | 9.05 | 9.45 | 9.70 | 10.00 | 10.35 | 10.50 | 10.75 | 10.95 |
| 1963 | | | | | | | | | | | | |
| 5 | 10.95 | 11.15 | e11.15 | 11.25 | 11.40 | 11.35 | ..... | ..... | 11.75 | 11.90 | 12.00 | ..... |
| 10 | 11.00 | 11.15 | 11.15 | 11.30 | 11.35 | 11.35 | ..... | ..... | 11.75 | 11.90 | 12.05 | e12.15 |
| 15 | 11.05 | 11.25 | 11.15 | 11.30 | 11.40 | 11.45 | ..... | ..... | 11.75 | 11.95 | 12.00 | 12.20 |
| 20 | 11.00 | 11.20 | 11.10 | 11.35 | 11.40 | 11.45 | ..... | e11.65 | 11.80 | 11.95 | 12.00 | 12.20 |
| 25 | 11.10 | ..... | 11.15 | 11.40 | 11.40 | 11.50 | ..... | 11.70 | 11.85 | 11.95 | ..... | 12.15 |
| Eom | 11.10 | ..... | 11.20 | 11.30 | 11.35 | ..... | h11.53 | 11.70 | 11.90 | 11.95 | ..... | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 12.30 | 12.40 | 12.45 | 12.40 | 12.55 | 12.60 | 12.75 | 12.85 | 12.90 | 12.95 | 13.00 |
| 10 | 12.30 | ..... | 12.50 | ..... | 12.40 | 12.55 | 12.65 | ..... | 12.85 | 12.90 | 12.90 | 12.95 |
| 15 | 12.30 | ..... | 12.55 | ..... | ..... | 12.55 | 12.70 | ..... | 12.90 | 12.85 | 12.90 | 12.95 |
| 20 | 12.25 | ..... | 12.50 | ..... | ..... | ..... | 12.65 | 12.75 | 12.85 | 12.85 | 12.90 | 13.00 |
| 25 | 12.30 | ..... | 12.45 | ..... | e12.40 | 12.60 | 12.70 | 12.80 | 12.85 | 12.90 | 12.90 | 13.00 |
| Eom | 12.35 | ..... | 12.50 | 12.45 | 12.45 | 12.60 | 12.70 | 12.85 | 12.90 | 12.90 | 12.95 | 13.00 |
| 1965 | | | | | | | | | | | | |
| 5 | 13.00 | 12.90 | 12.80 | 12.35 | 11.30 | 11.60 | 11.70 | 11.95 | 12.05 | 11.95 | 11.85 | 11.80 |
| 10 | 13.05 | 12.85 | 12.80 | 12.15 | 11.30 | 11.65 | 11.80 | 11.95 | 12.05 | 11.95 | 11.80 | 11.85 |
| 15 | 13.05 | 12.95 | 12.70 | 12.05 | 11.20 | 11.65 | 11.85 | 11.95 | 11.95 | 11.95 | 11.75 | 11.95 |
| 20 | 13.05 | 12.85 | 12.60 | 12.10 | 11.20 | 11.60 | 11.85 | 12.00 | 12.00 | 12.00 | 11.80 | 11.85 |
| 25 | 12.90 | 12.80 | 12.50 | 11.80 | 11.15 | 11.70 | 11.90 | 11.95 | 12.00 | 11.85 | 11.80 | 11.55 |
| Eom | 12.90 | 12.90 | 12.40 | 11.90 | 11.15 | 11.70 | 11.85 | 11.95 | 11.90 | 11.85 | 11.85 | 11.35 |
| 1966 | | | | | | | | | | | | |
| 5 | 11.30 | 11.20 | 10.85 | 10.65 | 10.15 | 9.70 | 9.90 | h10.25 | 10.45 | 10.75 | 10.95 | 11.00 |
| 10 | 11.20 | 11.05 | 10.80 | 10.70 | 10.20 | 9.75 | 10.00 | ..... | 10.55 | 10.70 | 10.85 | 10.85 |
| 15 | 11.15 | 10.95 | 10.70 | 10.75 | 9.60 | 9.65 | 10.05 | ..... | 10.55 | 10.70 | 10.95 | 10.75 |
| 20 | 11.15 | 11.05 | 10.70 | 10.65 | 9.65 | 9.75 | 10.15 | ..... | 10.60 | 10.80 | 11.00 | 10.70 |
| 25 | 11.15 | 10.90 | 10.70 | 10.30 | 9.65 | 9.80 | 10.10 | ..... | 10.65 | 10.90 | 10.95 | 10.75 |
| Eom | 11.15 | 10.90 | 10.55 | 10.15 | 9.70 | 9.85 | 10.25 | 10.45 | 10.65 | 10.80 | 11.00 | 10.75 |

413524N0870725.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|------|-------|------|------|-------|--------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 10.80 | 10.95 | ..... | h9.36 | .... | .... | .... | .... | .... | .... | 10.25 | 10.00 |
| 10 | 10.85 | .... | 10.50 | 9.15 | .... | .... | .... | .... | .... | h10.51 | 10.10 | 9.85 |
| 15 | 10.90 | 10.85 | 10.35 | .... | .... | .... | .... | .... | .... | 10.45 | 10.10 | 9.70 |
| 20 | 10.90 | .... | 10.00 | .... | .... | h9.52 | .... | .... | .... | 10.50 | 10.00 | 9.65 |
| 25 | 10.90 | .... | 9.85 | .... | .... | .... | .... | .... | .... | 10.45 | 9.90 | 9.40 |
| Eom | 10.90 | .... | .... | .... | .... | .... | .... | .... | .... | 10.45 | 9.95 | 9.50 |

e Estimated.

h Tape measurement.

Posey County

380659N0874719.1. Local number Py 2. Mary M. Wade. Drilled unused artesian well in rock, diam 6 in, depth 236 ft. Lsd about 430 ft above msl. MP top of platform, 2.95 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: 1947-67. Measurement discontinued Jan. 1, 1967.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|--|--------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | e10.65 | .... | 8.35 | 6.90 | .... | 6.60 | 7.30 | h8.28 | 9.60 | 11.30 | 12.25 | 13.25 |
| 10 | 10.35 | .... | 8.50 | 6.70 | 6.30 | 6.60 | h7.64 | 8.30 | 9.90 | 11.40 | 12.65 | 13.40 |
| 15 | .... | .... | 8.20 | 6.55 | 6.40 | 6.75 | .... | 8.70 | 10.25 | 11.70 | 12.70 | .... |
| 20 | 10.15 | 9.00 | 7.60 | 6.45 | 6.50 | .... | e7.70 | 8.85 | 10.30 | 11.80 | 12.85 | 13.75 |
| 25 | 10.35 | 9.05 | 7.25 | 6.55 | 6.50 | .... | .... | 9.20 | 10.80 | 11.95 | .... | 13.40 |
| Eom | .... | 9.00 | 7.15 | 6.20 | 6.60 | 7.25 | .... | e9.45 | 11.05 | .... | h13.04 | .... |

| 1964 | | | | | | | | | | | | |
|------|-------|--------|--------|-------|------|-------|------|-------|-------|--------|-------|--------|
| 5 | 13.75 | h14.04 | 14.45 | 10.45 | 8.70 | 7.95 | .... | h8.96 | 10.70 | e12.40 | 13.35 | .... |
| 10 | ..... | ..... | 13.45 | 10.40 | 8.45 | 7.80 | 8.10 | h9.07 | 10.95 | ..... | 13.30 | ..... |
| 15 | ..... | 14.05 | h12.96 | 10.05 | 8.45 | 7.80 | 8.30 | ..... | 11.30 | ..... | ..... | e14.05 |
| 20 | 14.00 | h14.39 | 11.95 | 9.50 | 8.25 | 7.85 | 8.30 | 9.65 | 11.50 | h12.84 | ..... | 14.20 |
| 25 | 14.25 | 14.30 | 11.35 | 9.05 | 8.00 | 8.05 | .... | 10.00 | 11.90 | 13.30 | ..... | 13.70 |
| Eom | 14.30 | e14.30 | e10.95 | 8.85 | .... | h8.12 | 8.85 | 10.35 | 12.10 | 13.15 | ..... | ..... |

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|------|-------|------|------|------|-------|
| 5 | 13.75 | 11.75 | 9.10 | 7.60 | .... | 6.90 | 7.25 | 8.00 | 9.50 | 9.85 | 9.65 | h9.54 |
| 10 | 13.75 | 10.95 | 9.15 | 7.20 | h6.95 | 6.95 | 6.10 | h8.32 | 9.70 | 9.65 | 9.55 | 9.15 |
| 15 | 13.10 | 11.00 | 8.75 | 7.05 | 6.80 | 6.95 | 7.40 | 8.50 | 9.50 | 9.65 | 9.25 | .... |
| 20 | 12.90 | 10.20 | 8.75 | e7.25 | 6.95 | 7.00 | 7.50 | 8.75 | 9.80 | 9.50 | 9.25 | h9.05 |
| 25 | 12.25 | ..... | 8.10 | 7.05 | h6.60 | 7.10 | 7.55 | 8.95 | 9.80 | 9.70 | 9.30 | .... |
| Eom | 12.00 | ..... | e8.00 | 6.95 | 6.90 | 7.20 | 7.75 | e9.30 | 9.55 | 9.75 | 9.60 | .... |

| 1966 | | | | | | | | | | | | |
|------|-------|------|------|-------|-------|-------|------|------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | .... | 8.20 | 6.70 | 6.15 | .... | 5.15 | 5.60 | 6.80 | 8.55 | 10.55 | 11.80 | 12.40 |
| 10 | .... | 7.75 | 6.85 | e6.10 | .... | 5.20 | 5.85 | 6.50 | 8.95 | 10.50 | 11.50 | 12.40 |
| 15 | 8.70 | 7.65 | .... | .... | .... | 5.20 | 6.10 | 7.35 | 9.05 | 10.65 | 11.95 | 12.40 |
| 20 | 8.75 | 7.80 | 6.20 | .... | e5.05 | 5.45 | 6.09 | 7.65 | 9.35 | 11.10 | 12.15 | 11.80 |
| 25 | 8.55 | 7.10 | .... | .... | .... | h5.58 | 6.40 | 8.00 | 9.80 | 11.30 | 12.05 | 11.95 |
| Eom | e8.25 | 6.75 | 5.90 | .... | .... | 5.50 | 6.60 | 8.35 | 10.10 | 11.40 | 12.30 | 11.40 |

e Estimated.

h Tape measurement.

380758N0875510.1. Local number Py 3. U.S. Geol. Survey. Drilled observation artesian well in sandy gravel of Pleistocene age, diam 6 in, depth 58 ft, screened 54-56. Lsd 380.69 ft above msl. MP top of recorder shelf, 2.70 ft above lsd. Highest water level 13.15 below lsd, May 23, 1967; lowest 19.13 below lsd, Nov. 29, 1967. Records available: 1967. Recorder installed Apr. 12, 1967.

| Highest water level for the day, from recorder graph, 1967 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | | | | | 14.23 | 13.85 | 15.55 | 16.52 | 17.26 | 18.43 | 18.80 | 17.24 |
| 10 | | | | | 13.84 | 14.15 | 15.51 | 15.63 | 17.47 | 18.54 | 18.87 | 17.40 |
| 15 | | | | 14.88 | 13.61 | 14.48 | 15.13 | 16.10 | 17.69 | 18.68 | 18.90 | 16.82 |
| 20 | | | | | 13.27 | 14.77 | 15.62 | 16.50 | 17.90 | 18.37 | 18.90 | 15.60 |
| 25 | | | | | 13.17 | 15.02 | 15.91 | 16.80 | 18.09 | 18.54 | 19.03 | 15.00 |
| Eom | | | | | 13.49 | 15.27 | 16.24 | 17.03 | 18.25 | 18.69 | 18.96 | 14.34 |

Pulaski County

410822N0865505.1. Local number Pu 1. State of Indiana. Jasper-Pulaski State Game Preserve. 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, June 20, 1962; lowest 12.14 below lsd, Dec. 1, 1935. Records available: 1935-42, 1944-66. Measurements made by State Game Preserve personnel. Recorder installed July 30, 1963. Measurement discontinued Nov. 28, 1966.

410822N0865505.1--Continued.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|--|-------|--------|-------|-------|------|-------|-------|-------|--------|-------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | .... | .... | .... | .... | .... | .... | .... | 8.97 | 9.58 | 10.07 | 10.17 | h10.65 |
| 10 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 10.34 | 10.52 |
| 15 | .... | .... | .... | .... | .... | .... | .... | 9.18 | 9.74 | 10.14 | .... | .... |
| 20 | .... | .... | .... | .... | .... | .... | .... | 9.27 | 9.71 | 10.08 | .... | .... |
| 25 | .... | .... | .... | .... | .... | .... | .... | 9.39 | 9.88 | 10.12 | 10.57 | .... |
| Eom | .... | .... | .... | .... | .... | .... | h8.79 | 9.48 | 9.80 | 10.07 | 10.46 | .... |
| 1964 | | | | | | | | | | | | |
| 5 | 10.69 | 10.24 | 9.86 | 9.41 | 8.68 | .... | .... | .... | 10.15 | 10.52 | 10.71 | 10.73 |
| 10 | .... | 10.44 | 10.18 | 9.49 | .... | h9.04 | .... | .... | h10.16 | 10.59 | 10.54 | 10.63 |
| 15 | .... | 10.30 | 10.27 | 9.39 | .... | 9.03 | .... | .... | 10.30 | 10.48 | 10.81 | 10.37 |
| 20 | 10.23 | e10.45 | 9.93 | 9.20 | .... | 9.09 | .... | 9.76 | 10.34 | 10.43 | 10.55 | 10.26 |
| 25 | 10.35 | .... | 9.63 | 9.03 | .... | .... | .... | 9.84 | 10.34 | 10.63 | 10.68 | 10.20 |
| Eom | 10.52 | .... | 9.68 | 8.72 | 8.88 | .... | .... | 10.02 | 10.51 | 10.70 | 11.00 | 10.25 |
| 1965 | | | | | | | | | | | | |
| 5 | .... | 8.05 | .... | e6.71 | 6.38 | .... | .... | 8.51 | 7.94 | 7.82 | .... | 7.99 |
| 10 | 9.33 | 7.89 | .... | 6.41 | 6.48 | 7.33 | e8.04 | 8.46 | 8.05 | 7.75 | 7.97 | 8.15 |
| 15 | 8.98 | 7.76 | .... | 6.31 | 6.63 | 7.47 | .... | 8.23 | 8.00 | 7.91 | 7.73 | 7.95 |
| 20 | 8.78 | 7.45 | .... | 6.42 | 6.92 | 7.60 | 8.30 | e8.20 | 8.15 | 7.99 | 7.91 | 7.78 |
| 25 | 8.32 | 7.30 | 7.06 | 6.20 | 6.99 | e7.81 | 8.23 | 7.97 | 7.89 | 7.94 | 8.05 | 7.54 |
| Eom | 7.95 | h7.52 | 7.03 | 6.25 | 7.06 | 7.91 | 8.31 | 7.95 | h7.61 | 7.79 | 8.17 | 6.80 |
| 1966 | | | | | | | | | | | | |
| 5 | 6.71 | 7.80 | 7.34 | .... | 6.43 | 6.50 | 7.41 | e8.58 | 9.17 | .... | e10.07 | .... |
| 10 | 6.75 | 7.69 | h7.42 | 7.21 | .... | 6.73 | 7.61 | 8.66 | 9.48 | 9.73 | .... | .... |
| 15 | 6.80 | 7.73 | 7.24 | 7.33 | .... | 6.76 | 7.80 | e8.77 | 9.41 | 9.74 | .... | .... |
| 20 | 7.25 | 7.79 | 7.11 | 7.23 | .... | 6.91 | 7.94 | 9.02 | 9.55 | 9.88 | .... | .... |
| 25 | 7.41 | h7.40 | .... | 6.89 | .... | e7.13 | 8.23 | 8.87 | 9.58 | .... | .... | .... |
| Eom | 7.48 | 7.36 | 6.87 | 6.52 | 6.27 | e7.23 | e8.41 | 9.19 | 9.46 | h9.80 | .... | .... |

e Estimated.

h Tape measurement.

410739N0863652.1. Local number Pu 7. U.S. Geol. Survey. Drilled observation artesian well in medium sand and gravel, diam 6 in, depth 105 ft, cased 0-100, 102-105, screened 100-102. Lsd about 720 ft above msl. MP top of shelter floor, 2.45 ft above lsd. Highest water level 6.59 below lsd, Dec. 25, 1967; lowest 10.41 below lsd, Oct. 14, 1967. Records available: 1967. Recorder installed Aug. 8, 1967.

| Highest water level for the day, from recorder graph, 1967 | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|-------|-------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | | | | | | | | | | 10.27 | 9.81 | 9.25 |
| 10 | | | | | | | | 9.00 | .... | 10.34 | 9.60 | 8.73 |
| 15 | | | | | | | | 9.65 | .... | 10.36 | 9.44 | 8.04 |
| 20 | | | | | | | | 9.78 | .... | 10.30 | 9.42 | 7.80 |
| 25 | | | | | | | | | 10.10 | 10.29 | 9.35 | 6.59 |
| Eom | | | | | | | | | 10.15 | 10.10 | 9.34 | 6.98 |

Randolph County

400932N0845521.1. Local number Ra 1. Artie V. Keys Estate. 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 18.88 below lsd, Nov. 30, 1964. Records available: 1942-66. Measurement discontinued Dec. 13, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 15, 1963 | 15.89 | Nov. 15, 1963 | 18.12 | Jan. 15, 1965 | 18.37 | Jan. 15, 1966 | 17.01 |
| 31 | 16.04 | Dec. 15 | 18.42 | Feb. 1 | 18.40 | Feb. 1 | 16.37 |
| Feb. 15 | 16.96 | Jan. 2, 1964 | 18.54 | 15 | 17.08 | 15 | 15.25 |
| Mar. 1 | 16.12 | 31 | 18.28 | 28 | 16.21 | 28 | 15.15 |
| 15 | 14.89 | Mar. 1 | 18.62 | Mar. 15 | 14.09 | Mar. 15 | 14.81 |
| Apr. 1 | 13.92 | 15 | 14.95 | Apr. 1 | 14.21 | Apr. 5 | 15.09 |
| 21 | 14.63 | Apr. 15 | 14.33 | 19 | 13.42 | 30 | 14.43 |
| May 1 | 14.65 | 30 | 13.14 | June 1 | 15.67 | May 18 | 12.40 |
| 19 | 14.92 | May 15 | 14.76 | 15 | 15.47 | June 20 | 15.21 |
| June 15 | 15.44 | June 1 | 15.43 | July 1 | 16.06 | July 1 | 15.54 |
| July 1 | 16.01 | 30 | 15.50 | Aug. 15 | 16.97 | 15 | 15.76 |
| 15 | 16.31 | Aug. 15 | 17.00 | Sept. 29 | 17.53 | Aug. 15 | 16.65 |
| Aug. 1 | 16.32 | Sept. 1 | 17.40 | Oct. 15 | 17.78 | Sept. 4 | 17.06 |
| 15 | 16.66 | 15 | 18.73 | Nov. 1 | 17.26 | 15 | 17.49 |
| 31 | 16.92 | Oct. 1 | 18.19 | 15 | 17.21 | Oct. 1 | 17.49 |
| Sept. 15 | 17.82 | Nov. 15 | 18.71 | 30 | 17.32 | 15 | 17.63 |
| Oct. 1 | 17.64 | 30 | 18.88 | Dec. 15 | 17.30 | 21 | 16.83 |
| 15 | 18.05 | Jan. 1, 1965 | 18.78 | Jan. 1, 1966 | 16.96 | | |

401532N0850853.1. Local number Ra 3. U.S. Geol. Survey. Drilled observation artesian well in sandy limestone, diam 6 in, depth 54 ft, cased to 33. Lsd about 970 ft above msl. MP top of shelter floor, 3.86 ft above lsd. Highest water level 9.30 below lsd, Dec. 13, 1966; lowest 14.43 below lsd, Oct. 4, 5, 1967. Records available: 1966-67. Recorder installed Oct. 13, 1966.

401532N0850853.1--Continued.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | |
| 15 | | | | | | | | | | | h12.62 | ..... |
| 20 | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | |
| Eom | | | | | | | | | | | | |
| 1967 | | | | | | | | | | | | |
| 5 | | | | | 9.38 | 10.07 | 11.38 | 12.63 | ..... | 14.43 | ..... | ..... |
| 10 | | | | | 8.47 | 10.29 | 11.47 | 12.79 | ..... | 14.23 | ..... | ..... |
| 15 | | h9.53 | ..... | ..... | ..... | 10.81 | 11.74 | 12.90 | ..... | 14.18 | ..... | ..... |
| 20 | | | | 9.06 | ..... | 11.04 | 11.94 | ..... | ..... | 14.06 | ..... | ..... |
| 25 | | | | | 9.16 | 11.07 | 12.07 | ..... | ..... | 13.94 | ..... | ..... |
| Eom | | | | 9.13 | 9.68 | 11.06 | 12.33 | ..... | ..... | 13.98 | ..... | ..... |
| h Tape measurement. | | | | | | | | | | | | |

h Tape measurement.

Ripley County

390714N0850643.1. Local number R1 2. Weldon Manlief. Drilled observation artesian well in limestone, diam 6 in, depth 64 ft. Lsd about 997 ft above msl. MP top of casing, 1.50 ft above lsd. Highest water level 0.75 below lsd, May 15, 1967; lowest 13.05 below lsd, Dec. 1-15, 22-31, 1964. Records available: 1958-67. Recorder installed May 20, 1958.

| Highest water level for the day, from recorder graph, 1958 | | | | | | | | | | | | |
|--|--------|--------|-------|-------|-------|--------|-------|-------|-------|-------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | 7.51 | ..... | ..... | ..... | 9.20 | 9.85 | 9.00 |
| 10 | ..... | ..... | ..... | ..... | ..... | 8.37 | ..... | ..... | 8.45 | 9.35 | 9.95 | 8.25 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 8.85 | 9.50 | 10.00 | 8.30 |
| 20 | ..... | ..... | ..... | ..... | 4.45 | ..... | ..... | ..... | 9.00 | 9.65 | 10.00 | 8.70 |
| 25 | ..... | ..... | ..... | ..... | 3.43 | ..... | ..... | ..... | 9.00 | 9.70 | 9.95 | 9.15 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9.80 | 9.85 | 9.50 |
| 1959 | | | | | | | | | | | | |
| 5 | 8.00 | 2.90 | 1.05 | 1.90 | 7.60 | 8.35 | 9.40 | 9.90 | 10.35 | 10.75 | 10.75 | 10.00 |
| 10 | 8.20 | 1.05 | 1.20 | 4.10 | 8.20 | 8.80 | 9.60 | ..... | 10.40 | 10.75 | e10.55 | ..... |
| 15 | 2.15 | 1.10 | 1.10 | 5.80 | 8.40 | 9.05 | 9.70 | 10.20 | ..... | 10.70 | e10.40 | 9.55 |
| 20 | 1.30 | 1.65 | 2.00 | 6.60 | 8.50 | 9.30 | 9.75 | 10.25 | 10.55 | 10.70 | 10.30 | 8.95 |
| 25 | ..... | 1.40 | 3.10 | 7.40 | 8.60 | 9.20 | 9.80 | 10.30 | 10.60 | 10.75 | 10.20 | 8.55 |
| Eom | 2.05 | 1.50 | 1.65 | 7.35 | 8.20 | 9.15 | 9.90 | 10.35 | 10.70 | 10.75 | 10.10 | 8.10 |
| 1960 | | | | | | | | | | | | |
| 5 | 7.70 | .... | 6.55 | 1.95 | 8.55 | 6.70 | .... | 8.40 | 9.70 | 10.35 | 10.75 | 11.05 |
| 10 | 7.85 | 1.10 | 7.15 | 3.45 | 8.75 | 7.45 | 5.70 | 8.45 | 9.85 | 10.45 | 10.80 | 11.15 |
| 15 | 5.75 | e2.90 | 6.65 | 5.55 | 8.90 | 7.50 | 6.60 | 8.50 | 9.90 | 10.50 | 10.85 | 11.15 |
| 20 | 6.65 | 3.80 | .... | 6.65 | 9.05 | 7.35 | 5.30 | 9.00 | 10.00 | .... | 10.95 | e11.20 |
| 25 | 7.15 | 5.65 | 2.15 | 7.25 | 9.30 | .... | 6.90 | 9.30 | 10.10 | 10.65 | 11.00 | 11.25 |
| Eom | 6.95 | 6.15 | 2.05 | 8.05 | 6.60 | 5.55 | 7.40 | 9.55 | 10.25 | 10.70 | 11.00 | .... |
| 1961 | | | | | | | | | | | | |
| 5 | h10.39 | 9.45 | 1.30 | .... | 6.15 | 8.25 | 9.40 | 9.20 | 10.25 | 10.55 | 11.00 | 10.35 |
| 10 | 10.20 | 9.65 | 1.45 | 5.05 | 1.35 | 7.95 | 9.60 | 9.55 | 10.10 | 10.65 | 11.05 | 10.00 |
| 15 | 9.75 | 7.40 | 1.40 | 1.00 | 3.95 | 7.60 | .... | 9.85 | 10.15 | 10.70 | 11.05 | 9.50 |
| 20 | 9.15 | 7.25 | 1.55 | 1.75 | 5.55 | 7.45 | 9.75 | 10.10 | 10.30 | 10.75 | .... | 8.85 |
| 25 | 9.05 | .... | 1.50 | 2.50 | 6.55 | 8.45 | 9.85 | 10.15 | 10.45 | 10.85 | h10.87 | .... |
| Eom | 9.20 | .... | h2.66 | 4.15 | 8.05 | 9.10 | 9.90 | 10.20 | 10.50 | 10.95 | 10.55 | .... |
| 1962 | | | | | | | | | | | | |
| 5 | .... | 6.15 | .... | 2.45 | 7.50 | 8.80 | 9.10 | 8.45 | 9.80 | 10.20 | 10.50 | 10.55 |
| 10 | 8.15 | 6.55 | 1.45 | .... | 8.05 | 8.85 | 9.05 | 8.80 | 9.85 | 10.20 | 10.55 | 10.55 |
| 15 | 6.30 | 4.35 | 1.70 | 4.75 | 8.35 | 8.85 | 5.00 | 9.00 | 9.95 | 10.25 | 10.55 | 10.60 |
| 20 | 7.30 | 4.55 | 1.85 | 5.70 | 8.60 | 8.90 | 5.40 | 9.20 | 10.05 | 10.30 | 10.55 | 10.65 |
| 25 | .... | 1.30 | 1.70 | 6.45 | 8.80 | 9.00 | 6.80 | 9.40 | 10.15 | 10.35 | 10.55 | 10.70 |
| Eom | 4.45 | 1.00 | 1.75 | 7.05 | 8.80 | 9.00 | e7.85 | 9.70 | 10.15 | 10.45 | 10.55 | 10.75 |
| 1963 | | | | | | | | | | | | |
| 5 | 10.75 | 10.50 | e1.65 | 2.65 | 7.95 | 8.15 | 9.75 | 10.35 | 10.95 | 11.60 | 12.05 | 12.40 |
| 10 | 10.75 | 10.40 | h6.23 | 5.15 | 8.05 | 8.50 | 9.85 | 10.45 | 11.05 | 11.65 | 12.15 | 12.50 |
| 15 | 10.70 | 10.40 | 6.15 | 6.55 | 8.10 | 8.50 | 10.00 | 10.60 | 11.20 | 11.80 | .... | 12.55 |
| 20 | 10.65 | 10.30 | 1.65 | 7.15 | 7.60 | 8.70 | 10.10 | 10.70 | 11.30 | 11.85 | 12.25 | 12.60 |
| 25 | e10.60 | 10.25 | 4.65 | 7.70 | 7.65 | 9.20 | 10.15 | 10.75 | 11.40 | 11.95 | 12.30 | 12.65 |
| Eom | 10.55 | 10.25 | 1.50 | 8.00 | 8.25 | 9.50 | 10.25 | 10.85 | 11.50 | .... | 12.35 | 12.75 |
| 1964 | | | | | | | | | | | | |
| 5 | 12.80 | 12.95 | .... | 6.25 | 5.90 | 9.75 | 10.30 | 11.05 | 11.80 | 12.30 | 12.70 | 13.05 |
| 10 | 12.85 | 12.95 | 1.55 | 7.10 | 7.05 | 9.80 | 10.40 | 11.15 | 11.95 | 12.35 | 12.75 | 13.05 |
| 15 | 12.85 | e12.95 | 8.30 | 8.15 | 8.10 | 10.00 | 10.50 | 11.30 | 12.05 | 12.40 | 12.80 | 13.00 |
| 20 | 12.90 | 12.95 | 8.85 | 6.70 | 8.85 | 10.05 | 10.65 | 11.45 | 12.15 | 12.45 | 12.90 | 13.05 |
| 25 | 12.90 | 12.95 | .... | 3.85 | 9.30 | 10.05 | 10.75 | 11.60 | 12.20 | 12.50 | 13.00 | 13.05 |
| Eom | 12.95 | h12.97 | 9.50 | 3.75 | 9.60 | 10.20 | 10.90 | 11.70 | 12.25 | 12.60 | 13.00 | 13.05 |
| 1965 | | | | | | | | | | | | |
| 5 | 12.95 | 12.20 | 1.90 | 1.30 | 4.10 | 8.95 | 10.35 | 11.05 | 11.80 | 12.00 | 11.85 | 11.60 |
| 10 | 12.85 | 3.00 | 5.15 | 1.45 | 5.40 | 9.25 | 10.50 | 11.20 | 11.85 | 12.05 | 11.80 | 11.55 |
| 15 | 12.75 | 7.50 | 6.60 | h.96 | 6.40 | 9.50 | 10.60 | 11.35 | 11.90 | 12.05 | 11.75 | 11.50 |
| 20 | 12.65 | 9.05 | 6.75 | 2.10 | 7.35 | 9.75 | 10.70 | 11.50 | 11.90 | 12.05 | 11.70 | 11.45 |
| 25 | 12.50 | 8.60 | 6.30 | 2.05 | 8.05 | 10.00 | 10.80 | 11.60 | 11.95 | 11.95 | 11.70 | 11.40 |
| Eom | 12.30 | 6.75 | 4.00 | 2.70 | 8.60 | e10.20 | 10.95 | 11.70 | 12.00 | 11.85 | 11.65 | 11.35 |

390714N0850643.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|------|-------|------|------|-------|------|------|--------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 6.00 | 7.70 | 1.90 | 3.45 | 2.15 | 7.00 | .... | 10.65 | ..... | 11.75 | 12.00 | 11.60 |
| 10 | 5.40 | 1.85 | 2.40 | 3.90 | 3.50 | 7.61 | .... | 10.85 | ..... | 11.80 | 11.80 | 9.00 |
| 15 | 6.75 | 2.15 | 1.65 | 1.50 | h2.82 | 8.07 | .... | h10.99 | 11.55 | 11.80 | h11.74 | 9.25 |
| 20 | 6.85 | 2.45 | 2.25 | 1.90 | 2.15 | 8.35 | .... | ..... | 11.70 | 11.85 | 11.70 | 9.30 |
| 25 | 7.00 | 4.00 | 2.30 | .... | 4.10 | .... | .... | ..... | 11.70 | 11.90 | 11.65 | 9.40 |
| Eom | 7.35 | e2.90 | 2.95 | .95 | 5.90 | .... | .... | ..... | 11.75 | 11.95 | 11.65 | h9.14 |

| 1967 | | | | | | | | | | | | |
|------|--------|------|------|------|------|------|------|-------|--------|--------|--------|--------|
| 5 | 9.20 | 8.85 | 7.65 | 2.35 | 1.95 | 6.95 | 8.95 | 10.05 | 11.10 | 11.65 | ..... | 11.95 |
| 10 | 9.30 | 8.55 | 1.65 | 3.50 | 1.70 | 7.45 | 9.10 | 10.25 | 11.20 | 11.70 | 11.90 | 11.90 |
| 15 | 9.35 | 8.55 | 1.35 | 4.90 | .75 | 7.90 | 9.20 | 10.45 | h11.27 | h11.80 | h11.92 | h11.77 |
| 20 | es9.45 | 8.60 | 1.20 | 5.35 | 2.30 | 8.30 | 9.45 | 10.60 | 11.35 | 11.85 | 11.95 | 11.60 |
| 25 | 9.55 | 8.65 | 1.65 | 1.65 | 4.15 | 8.60 | 9.65 | 10.80 | 11.45 | 11.85 | 11.95 | 11.35 |
| Eom | 9.50 | 8.70 | 1.70 | 2.25 | 6.00 | 8.80 | 9.80 | 10.95 | 11.55 | 11.90 | 12.00 | 10.95 |

e Estimated.

h Tape measurement.

St. Joseph County

413926N0861704.1. Local number Sij 9. Indiana and Illinois Railroad Co. Olive St. and Indiana Ave., South Bend. Drilled observation artesian well in sand and gravel, diam 8 in, depth 80 ft. Lsd about 715 ft above msl. MP top of casing, 3.57 ft above lsd. Highest water level 9.71 below lsd, Jan. 9, 1963 (tape measurement), May 11, 1967; lowest 17.55 below lsd, June 6, Sept. 5, 1953. Records available: 1945-67.

| Highest water level for the day, from recorder graph, 1952 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 12.80 | 11.88 | 11.94 | 11.74 | 11.69 | 13.00 | 13.83 | 14.49 | 14.89 | 14.99 | 15.86 | 15.79 |
| 10 | 12.62 | 11.76 | 11.78 | 11.71 | 12.05 | 13.18 | 14.01 | 14.56 | 14.99 | 15.19 | 15.93 | e15.58 |
| 15 | 12.52 | ..... | 11.85 | 11.63 | 12.30 | 13.25 | 14.13 | 14.63 | 15.18 | 15.35 | 15.99 | 15.42 |
| 20 | 12.37 | 11.70 | 11.80 | ..... | 12.53 | 13.31 | 14.18 | 14.65 | 15.15 | 15.48 | 16.06 | 15.32 |
| 25 | 12.12 | 11.76 | 11.72 | 11.49 | 12.73 | 13.39 | 14.23 | 14.72 | 14.87 | 15.60 | 16.16 | 15.22 |
| Eom | 11.99 | 11.88 | 11.70 | ..... | 12.90 | 13.54 | 14.34 | 14.84 | 14.71 | 15.74 | ..... | 15.13 |

| 1953 | | | | | | | | | | | | |
|------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 5 | 15.07 | 14.76 | 14.65 | 14.25 | 14.24 | 14.78 | 16.23 | 16.97 | 17.54 | 16.61 | 16.48 | 16.35 |
| 10 | 15.03 | 14.75 | e14.62 | 14.20 | 14.28 | 14.89 | 16.30 | 16.75 | 17.28 | ..... | 16.40 | 16.34 |
| 15 | 14.99 | 14.71 | 14.58 | 14.19 | 14.31 | 15.00 | 16.50 | 16.80 | 17.08 | ..... | 16.37 | 16.33 |
| 20 | 14.97 | 14.70 | 14.50 | 14.20 | 14.30 | 15.34 | 16.76 | 16.94 | 16.84 | 16.67 | ..... | 16.34 |
| 25 | 14.93 | 14.67 | 14.39 | 14.19 | ..... | 15.79 | 16.88 | 17.10 | 16.65 | 16.65 | ..... | 16.34 |
| Eom | 14.83 | 14.67 | 14.30 | 14.20 | ..... | 15.99 | 17.14 | 17.35 | e16.57 | 16.50 | ..... | 16.33 |

| 1954 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | 16.32 | 16.30 | 15.65 | 15.33 | 13.81 | 13.87 | 15.69 | 15.66 | 14.97 | 15.05 | 13.31 | 13.32 |
| 10 | 16.32 | 16.28 | 15.54 | 15.06 | 13.69 | 14.00 | 15.29 | 15.41 | 15.09 | 14.90 | 13.31 | 13.42 |
| 15 | ..... | 16.28 | 15.45 | 14.89 | 13.72 | 14.45 | 15.32 | 15.25 | 15.03 | 14.40 | 13.28 | 13.44 |
| 20 | 16.33 | 16.01 | 15.34 | 14.76 | 13.82 | 14.74 | 15.57 | 15.10 | 14.97 | 13.86 | 13.29 | ..... |
| 25 | 16.33 | 15.80 | 15.50 | 14.57 | 14.04 | 14.90 | 15.76 | 15.12 | 14.96 | 13.49 | 13.33 | 13.65 |
| Eom | 16.31 | 15.73 | 15.46 | 14.11 | 14.05 | 15.27 | 16.00 | 15.01 | 14.97 | 13.36 | 13.37 | e13.41 |

| 1955 | | | | | | | | | | | | |
|------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| 5 | e13.07 | 12.66 | 12.43 | 12.60 | 12.73 | 13.50 | 14.19 | 14.95 | 15.31 | 15.12 | 14.21 | ..... |
| 10 | 12.75 | 12.62 | 12.32 | 12.55 | 12.90 | 13.50 | 14.26 | 14.94 | 15.46 | 14.80 | 14.12 | ..... |
| 15 | 12.51 | 12.70 | 12.31 | 12.52 | 12.89 | 13.41 | 14.38 | 14.95 | 15.50 | 14.62 | e14.04 | ..... |
| 20 | ..... | 12.69 | 12.30 | 12.52 | 13.12 | 13.45 | 14.31 | 15.21 | 15.63 | 14.57 | 13.96 | ..... |
| 25 | 12.41 | 12.51 | 12.59 | 12.49 | 13.37 | 13.73 | 14.39 | 15.18 | 15.58 | 14.41 | 13.91 | ..... |
| Eom | 12.49 | 12.44 | 12.76 | 12.51 | 13.37 | 14.03 | 14.62 | 15.33 | 15.32 | 14.29 | 13.90 | 13.94 |

| 1956 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 5 | 13.94 | 14.19 | 13.73 | 13.54 | 13.23 | 12.16 | 14.29 | 14.85 | 15.00 | 15.54 | 16.14 | 16.19 |
| 10 | 14.00 | 14.11 | 13.59 | ..... | 13.07 | 12.63 | 14.39 | 15.06 | 15.10 | 15.59 | 16.19 | 16.23 |
| 15 | 14.03 | 14.10 | 13.53 | ..... | 12.30 | 13.24 | 14.53 | 14.87 | 15.20 | 15.67 | ..... | 16.31 |
| 20 | 14.08 | 14.03 | 13.55 | 13.69 | 12.06 | 13.61 | 14.78 | 14.90 | 15.19 | 15.81 | 16.16 | 16.34 |
| 25 | 14.26 | 13.91 | 13.51 | 13.66 | 12.07 | 13.87 | 14.68 | 14.98 | e15.28 | 15.91 | 16.10 | 16.28 |
| Eom | 14.23 | 13.80 | 13.55 | 13.47 | 12.07 | 14.02 | ..... | 15.11 | 15.46 | 16.07 | 16.06 | 16.06 |

| 1957 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 15.85 | 15.29 | ..... | 14.75 | 13.69 | ..... | 14.95 | 16.01 | 15.71 | 15.82 | 15.82 | 15.05 |
| 10 | 15.76 | 15.24 | ..... | 14.69 | 13.73 | 14.27 | 14.94 | 15.99 | 15.69 | 16.03 | 15.73 | 15.00 |
| 15 | 15.67 | 15.15 | ..... | 14.61 | 13.67 | 14.41 | 15.22 | 15.86 | 15.69 | 16.14 | 15.56 | 14.96 |
| 20 | 15.61 | 15.09 | 14.86 | 14.49 | 13.68 | 14.54 | 15.45 | 15.84 | 15.66 | 16.13 | 15.42 | 14.91 |
| 25 | 15.50 | ..... | 14.82 | 14.42 | 13.77 | 14.76 | 15.61 | 15.97 | 15.70 | 16.18 | 15.28 | 14.51 |
| Eom | 15.35 | ..... | 14.80 | 14.04 | 13.90 | 14.82 | 15.89 | 15.78 | 15.62 | 15.93 | 15.18 | 14.23 |

| 1958 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.01 | 13.78 | 13.26 | 13.10 | 13.47 | 14.54 | 14.31 | 14.25 | 14.01 | 14.24 | 14.57 | 14.41 |
| 10 | 13.89 | 13.85 | 13.05 | 13.12 | 13.56 | 14.59 | 14.26 | 14.25 | 14.22 | 14.33 | 14.60 | ..... |
| 15 | 13.77 | 13.79 | 12.93 | 13.17 | 13.98 | 14.38 | 14.30 | 14.20 | 14.27 | 14.38 | 14.67 | 14.39 |
| 20 | 13.70 | 13.82 | 12.93 | 13.39 | 14.27 | 14.31 | 14.38 | 14.07 | 14.19 | 14.43 | 14.59 | ..... |
| 25 | 13.75 | 13.70 | 12.95 | 13.45 | 14.29 | 14.24 | 14.53 | 14.00 | 14.17 | 14.51 | 14.50 | ..... |
| Eom | 13.70 | 13.58 | 13.08 | 13.40 | 14.51 | 14.19 | 14.41 | 14.08 | 14.22 | 14.54 | 14.45 | 14.44 |

413926N0861704.1--Continued.

| 1959 | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | 13.35 | 12.85 | 12.84 | 13.28 | 14.67 | 15.05 | 16.30 | 16.46 | 15.62 | ..... |
| 10 | ..... | 14.76 | ..... | 12.74 | 13.14 | 13.65 | ..... | 15.19 | 16.58 | 16.40 | 15.46 | 14.84 |
| 15 | 14.66 | 14.37 | ..... | 12.71 | 13.05 | 13.76 | 15.18 | 15.38 | 16.63 | 16.19 | 15.44 | 14.68 |
| 20 | ..... | 14.00 | ..... | 12.72 | 13.07 | 13.96 | 15.38 | 15.47 | 16.71 | 15.96 | 15.37 | 14.88 |
| 25 | ..... | 13.78 | 13.16 | 12.87 | 13.18 | 14.32 | 15.15 | 15.71 | 16.87 | 16.02 | 15.26 | 14.78 |
| Eom | ..... | 13.62 | 12.97 | 12.78 | 13.10 | 14.63 | 14.97 | 16.05 | 16.56 | 15.89 | ..... | 14.66 |
| 1960 | | | | | | | | | | | | |
| 5 | 14.58 | 13.43 | 12.96 | 12.47 | 12.49 | 12.86 | 13.07 | 14.70 | 15.66 | 15.42 | 15.62 | ..... |
| 10 | 14.58 | 13.38 | 12.78 | 12.38 | e12.25 | 13.10 | 13.24 | 14.66 | 15.91 | 15.34 | ..... | ..... |
| 15 | 14.33 | 12.94 | 12.59 | 12.14 | 12.42 | 12.94 | 13.46 | 14.66 | 15.77 | 15.60 | ..... | ..... |
| 20 | 14.07 | 12.59 | 12.63 | 12.12 | 12.51 | 12.65 | 13.83 | 14.74 | 15.72 | 15.73 | ..... | ..... |
| 25 | 13.79 | 12.61 | 12.78 | 12.22 | 12.55 | 12.65 | 14.18 | 14.91 | 15.76 | 15.53 | ..... | ..... |
| Eom | 13.45 | 12.82 | 12.58 | 12.32 | 12.55 | 12.91 | 14.43 | 15.32 | 15.75 | 15.46 | ..... | ..... |
| 1961 | | | | | | | | | | | | |
| 5 | ..... | ..... | h15.34 | 14.83 | 13.61 | 14.00 | 14.69 | 15.32 | ..... | 15.27 | 14.92 | 14.73 |
| 10 | ..... | ..... | 15.36 | 14.83 | 13.55 | 14.32 | 14.77 | 15.36 | h16.04 | 15.20 | 14.95 | 14.75 |
| 15 | ..... | 15.51 | 15.16 | 14.75 | 13.54 | 14.39 | 15.01 | 15.42 | 15.93 | 15.12 | 14.81 | 14.48 |
| 20 | ..... | 15.49 | 15.00 | ..... | 13.50 | 14.46 | 15.07 | 15.67 | 15.75 | 15.00 | 14.77 | 14.27 |
| 25 | ..... | ..... | 14.84 | ..... | 13.52 | 14.23 | 15.07 | 15.65 | 15.46 | 14.93 | 14.68 | 14.14 |
| Eom | ..... | ..... | 14.75 | 13.74 | 13.70 | 14.40 | 15.19 | 15.62 | 15.37 | 14.87 | 14.67 | ..... |
| 1962 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | 13.18 | 14.03 | 14.65 | 15.03 | 16.12 | 10.86 | ..... | 10.13 |
| 10 | 14.20 | ..... | 13.38 | ..... | 13.26 | 13.99 | 14.74 | 15.20 | ..... | ..... | ..... | ..... |
| 15 | 14.18 | ..... | 13.25 | ..... | 13.37 | 13.84 | 14.92 | 15.36 | ..... | ..... | 10.48 | 9.91 |
| 20 | 14.13 | ..... | 13.19 | ..... | 13.56 | 14.08 | 14.92 | 15.73 | 11.09 | 10.96 | ..... | 9.95 |
| 25 | 13.97 | ..... | 13.15 | ..... | 13.73 | 14.29 | 14.65 | 16.06 | 10.97 | 10.90 | 10.22 | 9.87 |
| Eom | 13.81 | ..... | ..... | h13.07 | 13.90 | 14.66 | 14.64 | 16.23 | 10.86 | ..... | 10.13 | ..... |
| 1963 | | | | | | | | | | | | |
| 5 | .... | h14.50 | e14.45 | 13.72 | 13.68 | 14.49 | ..... | 15.84 | 16.15 | 16.55 | 16.70 | ..... |
| 10 | 9.72 | 14.51 | 14.32 | 13.64 | 13.70 | 14.79 | ..... | 15.97 | 16.36 | 16.66 | 16.72 | h16.20 |
| 15 | 9.76 | ..... | 14.04 | 13.77 | 13.91 | 14.74 | ..... | 15.95 | 16.51 | 16.73 | ..... | 16.21 |
| 20 | ..... | ..... | 13.85 | 13.78 | 14.00 | 14.82 | ..... | 15.97 | 16.56 | 16.82 | ..... | ..... |
| 25 | ..... | ..... | 13.73 | 13.85 | 14.14 | h14.84 | 15.81 | 16.12 | 16.46 | 16.74 | ..... | ..... |
| Eom | ..... | ..... | 13.62 | 13.87 | 14.27 | e15.22 | 15.76 | 16.05 | 16.47 | 16.65 | ..... | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | ..... | 15.67 | 15.35 | 15.14 | 16.08 | 15.89 | 16.03 | 16.22 | 16.04 | 16.13 | 16.03 |
| 10 | ..... | ..... | ..... | 15.30 | 15.18 | 16.27 | 15.60 | 16.34 | 16.43 | 16.03 | 16.17 | ..... |
| 15 | ..... | ..... | 15.93 | 15.28 | 15.19 | ..... | ..... | e16.25 | 16.52 | 15.97 | 16.21 | 16.05 |
| 20 | ..... | ..... | 15.98 | 15.38 | 15.20 | h16.11 | h15.51 | 16.19 | 16.30 | 15.85 | ..... | ..... |
| 25 | ..... | ..... | 15.85 | 15.41 | 15.38 | 15.55 | ..... | 15.96 | 16.36 | 15.94 | h15.98 | 15.77 |
| Eom | ..... | ..... | 15.56 | 15.34 | 15.72 | 15.54 | 15.68 | 16.02 | ..... | 16.01 | 15.91 | 15.70 |
| 1965 | | | | | | | | | | | | |
| 5 | 15.67 | 14.86 | 14.39 | 14.09 | 13.11 | 13.99 | 15.16 | 15.75 | 15.72 | 14.87 | ..... | ..... |
| 10 | e15.62 | ..... | ..... | 13.92 | 13.24 | 14.12 | 15.14 | 15.72 | 15.55 | 14.83 | 14.73 | 14.91 |
| 15 | e15.55 | 14.84 | 14.17 | 13.52 | 13.35 | 14.37 | 15.17 | 15.81 | 15.18 | 14.76 | 14.67 | 14.84 |
| 20 | e15.51 | 14.77 | e14.14 | 13.39 | 13.47 | 14.69 | 15.27 | 15.89 | 15.18 | 14.79 | ..... | ..... |
| 25 | 15.26 | ..... | ..... | 13.24 | 13.79 | 14.92 | 15.48 | 15.91 | 15.06 | 14.90 | 14.73 | ..... |
| Eom | ..... | e14.69 | 14.12 | 13.07 | 13.85 | 15.08 | 15.82 | 15.77 | 14.95 | h14.71 | 14.70 | 13.81 |
| 1966 | | | | | | | | | | | | |
| 5 | 13.66 | 14.04 | 13.90 | 13.91 | ..... | 12.78 | 13.96 | 14.79 | 14.62 | 15.06 | 15.00 | 14.18 |
| 10 | h13.65 | 13.86 | 13.83 | 13.80 | e12.96 | 12.96 | 14.17 | 14.94 | 14.76 | 15.11 | 14.70 | 13.63 |
| 15 | ..... | 13.96 | h13.97 | 13.63 | 12.62 | 13.02 | 14.24 | 14.86 | 14.92 | 15.10 | 14.61 | 13.16 |
| 20 | ..... | 13.83 | 13.80 | 13.74 | 12.36 | 13.12 | 14.34 | 14.82 | 15.09 | 15.02 | 14.60 | 13.04 |
| 25 | e13.87 | 13.87 | 13.90 | 13.50 | 12.34 | 13.34 | 14.45 | 14.40 | 15.07 | 15.06 | 14.52 | 13.17 |
| Eom | 13.87 | 13.85 | 13.76 | 13.16 | 12.49 | 13.63 | 14.60 | 14.41 | 15.08 | 15.05 | 14.30 | 13.19 |
| 1967 | | | | | | | | | | | | |
| 5 | 13.20 | 12.97 | 12.07 | 10.60 | 9.85 | 10.88 | 10.70 | e11.65 | 11.86 | ..... | ..... | 10.84 |
| 10 | 13.31 | e12.89 | 11.97 | 10.55 | 9.76 | 10.81 | 10.87 | e11.79 | h12.03 | ..... | 11.07 | 10.76 |
| 15 | 13.33 | 12.82 | 11.69 | 10.42 | 9.87 | 10.76 | 11.00 | 11.90 | h12.24 | ..... | ..... | 10.48 |
| 20 | 13.40 | 12.50 | 11.48 | 10.23 | 10.01 | 10.72 | e11.11 | 12.13 | 12.49 | h11.60 | 10.68 | 10.34 |
| 25 | 13.47 | 12.25 | 11.10 | 10.11 | 10.15 | 10.62 | 11.45 | e12.23 | ..... | ..... | 10.52 | 10.05 |
| Eom | 13.20 | 12.19 | 10.92 | 10.02 | 10.60 | 10.65 | 11.59 | 12.05 | ..... | ..... | 10.81 | 10.09 |

e Estimated.

h Tape measurement.

Shelby County

393943N0854909.1. Local number Sh 2. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in, depth 150 ft. Lad about 818 ft above msl. MP top of collar welded on casing at round hole drilled in recorder shelter floor, 3.00 ft above lsd. Highest water level 16.42 below lsd, May 19, 1967; lowest 22.20 below lsd, Nov. 30, 1967. Records available: 1966-67. Recorder installed Sept. 26, 1966.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | | | | | | | | | | 21.54 | 21.81 | 18.40 |
| 10 | | | | | | | | | | 21.50 | 20.64 | ..... |
| 15 | | | | | | | | | | 21.56 | 20.10 | ..... |
| 20 | | | | | | | | | | 21.64 | 20.21 | 17.50 |
| 25 | | | | | | | | | | 21.73 | 20.24 | 18.09 |
| Eom | | | | | | | | | 21.50 | 21.64 | 18.39 | 18.21 |

393943N0854909.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 18.48 | 17.18 | 18.02 | 17.43 | 18.23 | 18.18 | 19.33 | 20.38 | 21.21 | 21.77 | 21.85 | 20.40 |
| 10 | 18.47 | 17.62 | 17.17 | 17.39 | 17.09 | 18.48 | 19.58 | 20.50 | 21.26 | 21.74 | 21.80 | 19.65 |
| 15 | 18.65 | 18.12 | 17.39 | 17.79 | 16.62 | 18.75 | 19.75 | 20.65 | 21.39 | 21.81 | 21.85 | 18.85 |
| 20 | 18.93 | 18.37 | 17.50 | 18.19 | 16.60 | 18.89 | 19.89 | 20.72 | 21.47 | 21.78 | 21.90 | 18.65 |
| 25 | 19.01 | 18.78 | 17.09 | 18.15 | 17.34 | 18.86 | 19.99 | 20.92 | 21.63 | 21.76 | 21.85 | 18.20 |
| Eom | 18.10 | 18.65 | 17.13 | 18.20 | 17.85 | 19.04 | 20.18 | 21.06 | 21.67 | 21.84 | 22.00 | 18.70 |

Spencer County

380645N0865952.1. Local number Sp 6. National Park Service. Lincoln City. Formerly State of Indiana. Lincoln State Park. 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 35.26 below lsd, Nov. 9, 1966. Records available: 1944-67. Measurements made by National Park Service personnel. Measurement discontinued Jan. 1, 1967.

| Highest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|--|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 26.96 | 26.86 | 26.29 | ..... | 26.78 | 28.01 | 28.97 | 29.08 | 31.26 | 32.63 | 33.04 | 33.77 |
| 10 | 26.74 | 26.66 | 25.69 | 25.48 | ..... | 28.30 | 28.48 | 29.70 | 31.49 | 32.82 | 33.22 | 33.87 |
| 15 | 26.60 | 26.71 | 25.63 | 25.77 | ..... | 28.67 | 28.34 | 30.14 | 31.75 | 32.97 | 33.41 | 33.89 |
| 20 | 26.53 | 26.47 | 25.23 | 26.06 | 27.68 | 29.01 | 28.01 | 30.34 | 31.90 | 33.10 | 33.50 | ..... |
| 25 | e26.71 | 26.58 | 25.26 | 26.43 | 27.82 | 29.05 | 28.14 | 30.70 | 32.16 | 33.25 | 33.53 | 33.90 |
| Eom | 26.74 | 26.58 | 25.28 | 26.42 | 27.98 | 29.26 | 28.55 | 31.07 | 32.49 | 32.96 | 33.64 | 33.97 |

| 1964 | | | | | | | | | | | | |
|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 33.99 | 33.41 | 33.08 | 25.22 | 24.39 | 28.06 | 30.89 | 32.85 | 34.04 | 33.92 | 34.78 | 33.90 |
| 10 | 33.63 | h33.72 | 31.51 | 24.74 | 25.13 | 28.66 | 31.21 | 33.27 | 34.07 | e34.17 | 34.83 | 33.77 |
| 15 | 33.61 | 33.55 | 30.53 | 24.54 | 25.86 | 29.28 | 31.50 | 33.53 | 34.34 | 34.20 | 34.98 | 33.54 |
| 20 | 33.51 | 33.77 | 29.76 | 24.28 | 26.56 | 29.85 | 31.91 | ..... | 33.58 | 34.43 | 35.01 | 33.41 |
| 25 | 33.70 | 33.51 | 29.37 | 23.93 | 27.00 | 30.51 | 32.15 | 33.64 | 33.71 | 34.58 | 35.62 | 33.37 |
| Eom | 33.55 | 33.44 | 25.28 | 23.98 | 27.59 | 30.59 | 32.54 | 33.83 | 33.77 | 34.78 | 33.87 | 33.27 |

| 1965 | | | | | | | | | | | | |
|------|-------|--------|--------|-------|-------|-------|--------|-------|--------|--------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 32.88 | h30.59 | h28.17 | 27.40 | 27.22 | 29.19 | 30.97 | 32.54 | 32.09 | h32.90 | 33.26 | 32.65 |
| 10 | 32.58 | 30.25 | 28.15 | 27.10 | 27.49 | 29.51 | 30.96 | 30.31 | 32.42 | 32.93 | 33.41 | 32.82 |
| 15 | 31.92 | 29.56 | 27.89 | 27.07 | 27.83 | 29.56 | 31.22 | 30.90 | 32.43 | 32.87 | 33.20 | h32.83 |
| 20 | 31.69 | 29.19 | e27.60 | 27.05 | 28.34 | 29.68 | 31.41 | 31.07 | h32.56 | 32.95 | 33.15 | 32.68 |
| 25 | 31.02 | 28.91 | 27.52 | 27.01 | ..... | 30.13 | 31.76 | 31.44 | 32.72 | 32.92 | 32.99 | 32.69 |
| Eom | 30.71 | 28.61 | ..... | 27.08 | 28.84 | 30.46 | e32.20 | 31.84 | 32.70 | 33.03 | 33.01 | 32.88 |

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 32.16 | ..... | 28.00 | 27.44 | 25.84 | ..... | ..... | 33.56 | h32.83 | 34.29 | 35.23 | 34.21 |
| 10 | 31.76 | ..... | 28.02 | e27.66 | 26.14 | h28.23 | ..... | 33.44 | 33.04 | 34.51 | 34.21 | 33.81 |
| 15 | 31.38 | ..... | 27.85 | ..... | 26.28 | ..... | 31.97 | 33.50 | 33.25 | 34.60 | 33.89 | 33.07 |
| 20 | 31.30 | ..... | 27.82 | ..... | 26.40 | ..... | 32.50 | 33.80 | 33.41 | 34.79 | 34.13 | 32.62 |
| 25 | 28.64 | 28.14 | 27.36 | 27.19 | 26.67 | 29.71 | 32.89 | 33.95 | 33.73 | 34.85 | 34.10 | 32.60 |
| Eom | ..... | 28.01 | 27.54 | 25.88 | 26.91 | 30.04 | 33.31 | 32.70 | 34.00 | 35.01 | 34.21 | 32.27 |

e Estimated.

h Tape measurement.

Steuben County

414236N0850146.1. Local number Sb 1. State of Indiana. Pokagon State Park. Driven unused artesian well in gravel, diam 1½ 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, Dec. 2, 1964. Records available: 1935-66. Measurements made by personnel of Pokagon State Park. Measurement discontinued Nov. 4, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 2, 1963 | -4.13 | May 15, 1963 | -1.90 | Oct. 2, 1963 | -4.90 | Feb. 12, 1964 | -5.40 |
| 9 | 4.17 | 22 | 1.95 | 9 | 5.00 | 19 | 5.42 |
| 16 | 4.29 | June 3 | 1.70 | 16 | 5.05 | 26 | 5.42 |
| 23 | 4.20 | 10 | 1.90 | 23 | 5.10 | Mar. 4 | 5.40 |
| 30 | 4.24 | 17 | 1.70 | 30 | 5.15 | 11 | 5.28 |
| Feb. 6 | 4.28 | 26 | 2.00 | Nov. 6 | 5.30 | 18 | 5.20 |
| 13 | 4.31 | July 3 | 2.30 | 14 | 5.30 | 25 | 4.80 |
| 20 | 4.38 | 10 | 2.70 | 20 | 5.31 | Apr. 1 | 3.80 |
| 27 | 4.38 | 17 | 3.10 | 27 | 5.32 | 8 | 2.25 |
| Mar. 6 | 4.35 | 24 | 3.30 | Dec. 4 | 5.34 | 15 | 2.10 |
| 13 | 4.15 | 31 | 3.40 | 11 | 5.32 | 22 | 1.60 |
| 20 | 3.90 | Aug. 7 | 3.50 | 18 | 5.30 | 29 | 1.10 |
| 27 | 1.82 | 14 | 3.70 | 25 | 5.32 | May 6 | 1.00 |
| Apr. 3 | .60 | 21 | 4.10 | Jan. 1, 1964 | 5.32 | 13 | .70 |
| 10 | .80 | 28 | 4.30 | 8 | 5.35 | 20 | .90 |
| 17 | 1.00 | Sept. 4 | 4.40 | 15 | 5.38 | 27 | 1.30 |
| 24 | .83 | 11 | 4.47 | 22 | 5.40 | June 3 | 1.60 |
| May 1 | .86 | 18 | 4.60 | 29 | 5.42 | 10 | 2.10 |
| 7 | 1.84 | 25 | 4.80 | Feb. 5 | 5.38 | 17 | 2.30 |

414236N0850146.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| June 24, 1964 | -2.40 | Jan. 20, 1965 | -4.50 | Aug. 18, 1965 | -3.00 | Mar. 30, 1966 | -1.30 |
| July 1 | 2.72 | 27 | 4.00 | 25 | 2.90 | Apr. 6 | .60 |
| 8 | 2.82 | Feb. 3 | 3.40 | Sept. 1 | 2.25 | 20 | .70 |
| 15 | 3.30 | 10 | 2.25 | 8 | 2.10 | 27 | .00 |
| 22 | 3.45 | 17 | 2.00 | 15 | 2.25 | May 4 | .30 |
| 29 | 3.75 | 24 | 1.85 | 22 | 2.80 | 11 | -.35 |
| Aug. 5 | 4.12 | Mar. 3 | 1.61 | 29 | 2.65 | 18 | +.30 |
| 12 | 4.22 | 10 | .45 | Oct. 6 | 2.70 | 25 | -.10 |
| 20 | 4.90 | 17 | .05 | 13 | 2.80 | June 8 | +.20 |
| 26 | 4.80 | 24 | -.05 | 20 | 2.75 | 15 | -.15 |
| Sept. 2 | 4.80 | 31 | +.22 | 27 | 1.40 | 22 | .50 |
| 9 | 5.30 | Apr. 7 | .50 | Nov. 3 | 1.50 | 29 | .80 |
| 16 | 5.40 | 14 | .70 | 10 | 1.50 | July 6 | 1.15 |
| 23 | 5.50 | 21 | .60 | 17 | 2.50 | 13 | 1.00 |
| 30 | 5.40 | 28 | .85 | 24 | 1.60 | 20 | .40 |
| Oct. 7 | 5.50 | May 6 | .65 | Dec. 1 | 1.40 | 27 | .70 |
| 14 | 5.60 | 12 | +.35 | 8 | 1.50 | Aug. 3 | 2.10 |
| 21 | 5.60 | 19 | .00 | 15 | .66 | 10 | 2.20 |
| 28 | 5.65 | 26 | -.10 | 22 | -.65 | 17 | 1.90 |
| Nov. 4 | 5.65 | June 2 | .00 | 29 | +.75 | 24 | 1.80 |
| 11 | 5.70 | 9 | .30 | Jan. 5, 1966 | .70 | 31 | 2.30 |
| 18 | 5.72 | 16 | .50 | 12 | +.30 | Sept. 7 | 2.60 |
| 25 | 5.75 | 23 | 1.10 | 19 | .00 | 14 | 2.85 |
| Dec. 2 | 5.77 | 30 | 1.75 | 26 | -.10 | 21 | 2.90 |
| 9 | 5.76 | July 7 | 1.50 | Feb. 9 | -.20 | 28 | 3.20 |
| 16 | 5.70 | 14 | 1.80 | 16 | +.30 | Oct. 13 | 4.60 |
| 23 | 5.72 | 21 | 2.20 | 23 | -.10 | 19 | 4.70 |
| 30 | 5.65 | 28 | 2.50 | Mar. 12 | .70 | 26 | 4.75 |
| Jan. 6, 1965 | 5.40 | Aug. 4 | 2.80 | 16 | .70 | Nov. 4 | 3.10 |
| 13 | 4.85 | 11 | 2.80 | 23 | .30 | | |

414236N0850146.2. Local number Sb 3. U. S. Geol. Survey. Pokagon State Park. Drilled observation artesian well in sand and gravel, diam 6 in, depth 13 ft. Lad about 990 ft above msl. MP top of recorder shelter at rear of recorder, 4.00 ft above lsd. Highest water level 1.06 above lsd, May 13, 1956; lowest 6.86 below lsd, Dec. 9 (tape measurement), 10, 11, 1964. Records available: 1955-67. Recorder installed June 22, 1955.

Water level at 2 a. m., from recorder graph, 1955

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | | | -1.66 | .... | -2.77 | .... | -1.98 | .... |
| 10 | | | | | | | 1.78 | .... | 3.04 | .... | 1.88 | -1.53 |
| 15 | | | | | | | | | 3.25 | .... | 1.92 | 1.63 |
| 20 | | | | | | | | | | -2.78 | 1.70 | 1.83 |
| 25 | | | | | | -1.74 | 2.36 | -2.05 | .... | 2.77 | 1.61 | 1.84 |
| Eom | | | | | | 2.01 | 2.58 | 2.41 | .... | 2.79 | .... | 1.90 |

1956

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | -2.01 | .... | .... | -0.40 | +0.25 | -0.10 | -1.42 | -2.45 | -2.87 | -3.96 | -4.20 | -4.13 |
| 10 | .... | -2.32 | .... | .35 | .44 | .39 | 1.63 | 2.58 | 3.08 | 4.07 | 4.21 | .... |
| 15 | .... | 2.01 | -0.54 | .50 | .... | .70 | 1.84 | 2.08 | 3.32 | 4.13 | .... | .... |
| 20 | 2.31 | 1.91 | .67 | -.73 | .... | .86 | 1.83 | 2.11 | 3.45 | 4.16 | .... | 3.85 |
| 25 | .... | .... | .67 | .... | .23 | .98 | 1.97 | 2.63 | 3.63 | 4.18 | .... | 3.59 |
| Eom | 2.43 | .... | .60 | +.65 | +.14 | 1.16 | 2.23 | 2.66 | 3.79 | 4.17 | 4.13 | 3.38 |

1957

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|
| 5 | -3.45 | -2.83 | -1.82 | -1.26 | -0.86 | .... | .... | -2.77 | .... | .... | -3.94 | -h3.59 |
| 10 | 3.51 | 2.21 | 1.94 | .77 | 1.10 | .... | .... | 3.00 | -4.13 | .... | 3.85 | .... |
| 15 | .... | h2.20 | 1.77 | .52 | 1.06 | .... | .... | 3.33 | 4.22 | -4.69 | .... | .... |
| 20 | .... | 2.26 | 1.70 | .57 | .64 | .... | .... | .... | 4.34 | 4.66 | h2.51 | .... |
| 25 | 2.76 | 2.26 | 1.78 | .66 | .75 | .... | -2.21 | .... | .... | 4.06 | .... | .... |
| Eom | 2.75 | 1.73 | .... | .51 | .... | .... | 2.51 | .... | 4.49 | 3.95 | .... | .... |

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|
| 5 | .... | .... | -0.81 | -0.93 | -1.17 | -h2.21 | -2.55 | -1.86 | -2.82 | -1.96 | -2.41 | -1.46 |
| 10 | .... | .... | .77 | .72 | 1.37 | .... | 2.68 | 2.15 | 2.49 | 2.07 | 2.46 | 1.67 |
| 15 | -1.56 | .... | .86 | .81 | 1.55 | 2.02 | 1.42 | .... | 2.29 | h2.20 | 1.55 | 1.79 |
| 20 | 1.68 | -2.02 | 1.00 | .95 | .... | 2.23 | 1.63 | .... | 1.44 | 2.28 | 1.21 | 1.88 |
| 25 | .... | 1.35 | 1.11 | 1.16 | 1.88 | 2.19 | 1.95 | .... | 1.58 | 2.29 | 1.21 | 1.95 |
| Eom | .... | 1.07 | 1.26 | 1.28 | 2.09 | 2.46 | 1.54 | 2.70 | 1.78 | 2.40 | 1.40 | 2.00 |

1959

| | | | | | | | | | | | | |
|-----|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | -1.90 | -1.10 | +.05 | +.34 | -0.01 | -1.05 | -2.37 | -3.43 | -4.46 | .... | -3.87 | -2.22 |
| 10 | 1.98 | .... | -.17 | .27 | .24 | 1.36 | 2.65 | 3.61 | .... | -4.53 | 2.64 | 2.18 |
| 15 | 1.99 | .... | .00 | .... | .... | .... | 2.90 | 3.85 | h4.76 | 4.36 | 2.53 | 1.84 |
| 20 | 2.07 | 1.09 | .19 | -.04 | h.48 | 1.78 | 2.93 | 3.98 | 4.89 | 4.34 | 2.26 | 1.90 |
| 25 | .... | .19 | .36 | .21 | .46 | 1.95 | 3.11 | .... | .... | 4.30 | 2.24 | 1.98 |
| Eom | .... | .06 | .01 | +.22 | .72 | 2.11 | 3.27 | .... | h4.73 | 4.28 | 2.30 | 1.70 |

414236N0850146, 2---Continued.

| 1960 | | | | | | | | | | | | |
|------|--------|--------|--------|-------|--------|--------|--------|--------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -1.61 | .... | -0.91 | -0.45 | -0.55 | -0.73 | -0.67 | .... | .... | -3.07 | -3.18 | -2.66 |
| 10 | 1.73 | -e0.18 | 1.00 | .66 | .24 | .94 | .95 | .... | -2.72 | 3.20 | e3.06 | 2.66 |
| 15 | .... | .36 | 1.08 | -.52 | .47 | .... | 1.18 | .... | 2.90 | .... | 2.86 | 2.69 |
| 20 | .... | .56 | 1.11 | +.08 | .06 | 4.25 | 1.43 | -2.44 | 2.68 | .... | 2.74 | 2.83 |
| 25 | .80 | .64 | .... | -.20 | .21 | .... | 1.66 | .... | .... | .... | 2.72 | .... |
| Eom | .75 | .78 | .30 | .29 | .23 | .43 | 1.83 | .... | 2.94 | 3.15 | 2.71 | 2.98 |
| 1961 | | | | | | | | | | | | |
| 5 | -3.03 | .... | -1.19 | -0.96 | -0.04 | -0.77 | -1.83 | .... | -3.11 | -3.38 | -3.65 | .... |
| 10 | 3.10 | -3.53 | .76 | .95 | +.18 | .71 | 2.10 | -2.40 | 3.35 | 3.53 | 3.55 | -2.44 |
| 15 | 3.11 | 3.34 | .38 | .70 | .... | 1.11 | 1.95 | 2.60 | 3.39 | 3.57 | 3.34 | .... |
| 20 | 3.09 | 2.34 | .58 | -.25 | -.32 | .94 | 2.23 | 2.82 | 3.52 | 3.63 | 2.66 | h2.45 |
| 25 | 3.21 | 2.00 | .54 | +.66 | .47 | 1.29 | .... | 2.94 | .... | 3.63 | .... | 2.45 |
| Eom | 3.31 | 1.93 | .78 | +.34 | .55 | 1.60 | .... | 3.18 | 3.47 | 3.57 | 2.46 | .... |
| 1962 | | | | | | | | | | | | |
| 5 | -2.57 | .... | -2.22 | -0.50 | -0.79 | -1.43 | -2.39 | -3.56 | -4.64 | -5.05 | -5.08 | -h5.14 |
| 10 | h2.41 | .... | 2.15 | .53 | .88 | 1.70 | 2.69 | 3.83 | 4.73 | 5.06 | .... | 5.16 |
| 15 | .... | .... | 1.42 | .57 | 1.10 | 1.92 | 2.82 | 3.80 | 4.88 | 5.07 | .... | 5.18 |
| 20 | .... | -2.52 | .44 | .75 | 1.41 | 2.12 | 3.00 | 4.19 | 4.64 | 5.07 | .... | 5.16 |
| 25 | 2.55 | .... | .06 | .91 | 1.70 | 2.32 | 3.10 | 4.37 | 4.93 | 5.07 | .... | 5.15 |
| Eom | 2.31 | h2.21 | .22 | 1.05 | 1.42 | 2.59 | 3.34 | 4.53 | 5.00 | 5.06 | .... | .... |
| 1963 | | | | | | | | | | | | |
| 5 | -5.21 | -e5.36 | -h5.47 | -1.71 | .... | .... | .... | -4.55 | .... | -5.97 | -6.21 | -6.32 |
| 10 | e5.22 | e5.35 | 5.36 | 1.87 | .... | -h2.20 | -h3.88 | 4.68 | .... | 6.04 | 6.23 | 6.33 |
| 15 | e5.24 | e5.37 | 5.04 | .... | -h1.10 | .... | 4.03 | 4.81 | -5.63 | 6.09 | 6.25 | 6.34 |
| 20 | 5.27 | e5.42 | 2.96 | 1.86 | .... | 2.67 | 4.07 | 4.93 | 5.74 | 6.12 | 6.26 | 6.36 |
| 25 | e5.31 | e5.42 | 2.08 | 1.90 | 2.37 | 2.94 | 4.25 | 5.08 | 5.80 | 6.15 | 6.28 | 6.37 |
| Eom | e5.34 | .... | 1.69 | 1.79 | .... | 3.24 | 4.46 | .... | 5.89 | 6.20 | 6.29 | e6.38 |
| 1964 | | | | | | | | | | | | |
| 5 | -e6.41 | -6.45 | -6.64 | -3.64 | -1.96 | -2.84 | -4.01 | -5.18 | .... | -6.55 | -6.75 | -6.85 |
| 10 | 6.42 | 6.47 | 6.34 | 3.20 | 1.81 | 3.07 | 4.05 | 5.37 | .... | 6.61 | 6.76 | 6.86 |
| 15 | 6.43 | 6.49 | 6.14 | 3.13 | 1.82 | 3.22 | 4.25 | 5.53 | .... | 6.65 | 6.79 | 6.78 |
| 20 | 6.47 | e6.49 | 6.05 | 3.00 | 1.99 | 3.22 | 4.47 | h4.60 | .... | 6.68 | 6.80 | e6.75 |
| 25 | 6.45 | e6.47 | 5.59 | 2.48 | 2.33 | 3.49 | 4.68 | .... | -6.39 | 6.71 | 6.81 | e6.72 |
| Eom | 6.44 | e6.48 | 4.95 | 1.95 | 2.60 | 3.77 | 4.97 | .... | 6.47 | 6.73 | 6.83 | 6.67 |
| 1965 | | | | | | | | | | | | |
| 5 | -e6.31 | .... | .... | .... | -0.48 | .... | -2.74 | -e3.95 | -3.22 | -3.85 | -2.58 | -2.46 |
| 10 | e6.02 | -h3.26 | -h1.44 | -0.48 | .62 | -1.46 | 2.85 | 3.89 | 3.28 | 3.89 | h2.60 | 2.60 |
| 15 | e5.77 | .... | .... | .... | .87 | 1.83 | 3.10 | 4.13 | 3.28 | 3.90 | 2.57 | 1.77 |
| 20 | e5.56 | .... | .... | .37 | 1.10 | 2.06 | 3.31 | 3.95 | 3.51 | 3.83 | 2.61 | 1.77 |
| 25 | e5.07 | .... | e1.15 | .12 | 1.18 | 2.35 | 3.53 | 3.86 | 3.63 | 2.50 | 2.71 | .56 |
| Eom | e4.64 | .... | e.56 | .29 | .... | 2.58 | 3.82 | 3.35 | 3.68 | 2.44 | 2.58 | .21 |
| 1966 | | | | | | | | | | | | |
| 5 | -0.43 | -1.44 | -0.98 | -0.69 | -0.48 | -0.93 | -2.29 | -3.24 | -3.65 | -4.57 | -4.61 | -2.45 |
| 10 | .67 | .87 | .81 | .85 | -.63 | 1.01 | 2.43 | 3.36 | 3.85 | 4.64 | 3.58 | .... |
| 15 | .93 | .86 | .... | .98 | +.13 | 1.28 | 2.15 | 3.28 | 4.06 | 4.59 | 3.45 | .... |
| 20 | 1.14 | 1.11 | .89 | .75 | -.06 | 1.51 | 2.60 | 3.21 | 4.21 | 4.60 | 3.48 | .... |
| 25 | 1.23 | 1.27 | .47 | .31 | .32 | 1.84 | 2.84 | 3.04 | 4.35 | 4.62 | 3.48 | e1.90 |
| Eom | e1.38 | 1.17 | .52 | .20 | .70 | 2.06 | 3.06 | 3.41 | 4.45 | 4.52 | 2.70 | .... |
| 1967 | | | | | | | | | | | | |
| 5 | .... | -1.08 | .... | +.04 | -0.15 | -1.01 | -1.53 | -2.95 | -4.29 | -4.82 | -2.43 | -1.51 |
| 10 | -1.33 | 1.12 | -0.90 | .31 | .17 | 1.08 | 1.70 | 3.18 | 4.50 | 4.78 | 2.29 | .76 |
| 15 | 1.47 | .92 | .12 | .34 | .00 | 1.41 | 1.99 | 3.43 | 4.69 | 4.31 | 2.17 | .48 |
| 20 | 1.58 | .... | -.07 | .04 | .31 | 1.17 | 2.12 | 3.60 | 4.82 | 3.50 | 1.78 | -.58 |
| 25 | 1.14 | .... | +.14 | .07 | .49 | .78 | 2.41 | 3.87 | 4.84 | 3.40 | 1.74 | +.19 |
| Eom | 1.12 | .... | -.10 | +.05 | .75 | 1.14 | 2.66 | 4.05 | 4.71 | 3.16 | 1.79 | -.22 |

e Estimated.

h Tape measurement.

Switzerland County

385113N0845415.1. Local number Sw 1. Walker Estate. Dug observation 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 1.50 below lsd, Mar. 10, 1964; lowest 21.90 below lsd, Dec. 2, 15, 1944. Records available: 1944-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 6, 1963 | 15.30 | Mar. 10, 1963 | 6.90 | Apr. 27, 1963 | 15.70 | July 7, 1963 | 17.10 |
| 12 | 12.90 | 13 | 4.90 | May 4 | 16.10 | 12 | 17.40 |
| 25 | 13.70 | 16 | 4.20 | 20 | 13.40 | 20 | 17.30 |
| Feb. 1 | 15.70 | 18 | 2.10 | 25 | 13.10 | 26 | 17.20 |
| 9 | 15.20 | 20 | 1.80 | June 1 | 14.50 | Aug. 3 | 17.70 |
| 15 | 15.20 | 24 | 4.30 | 8 | 15.40 | 10 | 17.70 |
| 22 | 15.70 | 28 | 5.00 | 15 | 15.70 | 16 | 17.50 |
| Mar. 2 | 15.60 | Apr. 5 | 10.50 | 22 | 16.50 | 24 | 17.50 |
| 5 | 10.30 | 13 | 13.50 | 29 | 16.90 | 30 | 17.70 |
| 8 | 13.50 | 20 | 15.00 | July 5 | 17.20 | Sept. 7 | 17.80 |

385113N0845415.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|----------------|-------------|--------------|-------------|--------------------------|-------------|
| Sept. 13, 1963 | 18.00 | Sept. 25, 1964 | 18.10 | Oct. 1, 1965 | 14.50 | Oct. 8, 19 ⁶⁴ | 16.40 |
| 21 | 18.20 | Oct. 5 | 18.20 | 7 | 12.90 | 22 | 17.00 |
| 27 | 18.20 | 10 | 18.20 | 9 | 9.40 | 28 | 17.20 |
| Oct. 4 | 18.20 | 17 | 18.30 | 15 | 12.40 | Nov. 8 | 15.60 |
| 18 | 18.40 | 24 | 18.40 | 22 | 10.40 | 13 | 14.30 |
| 25 | 18.60 | 30 | 18.50 | 24 | 9.40 | 18 | 15.50 |
| Nov. 1 | 18.70 | Nov. 6 | 18.60 | 29 | 12.50 | 26 | 16.10 |
| 6 | 18.70 | 13 | 18.50 | Nov. 5 | 14.80 | Dec. 3 | 15.65 |
| 9 | 18.70 | 20 | 18.40 | 12 | 16.10 | 9 | 14.10 |
| 15 | 18.80 | 27 | 18.20 | 26 | 17.00 | 17 | 8.20 |
| 21 | 18.80 | Dec. 4, 1964 | 17.50 | Dec. 3 | 17.20 | 23 | 11.70 |
| 23 | 18.80 | 12 | 15.40 | 10 | 17.40 | 29 | 11.85 |
| 30 | 18.90 | 20 | 14.70 | 17 | 17.60 | Jan. 7, 19 ⁶⁷ | 13.10 |
| Dec. 6 | 18.55 | 26 | 14.30 | 24 | 17.80 | 14 | 14.20 |
| 13 | 18.90 | Jan. 2, 1965 | 11.90 | 30 | 17.70 | 21 | 15.50 |
| 19 | 18.90 | 8 | 10.30 | Jan. 6, 1966 | 4.80 | 26 | 16.00 |
| 26 | 18.80 | 15 | 12.10 | 13 | 9.00 | Feb. 3 | 14.30 |
| Jan. 2, 1964 | 18.80 | 21 | 13.80 | 20 | 12.80 | 13 | 12.80 |
| 16 | 18.90 | 29 | 12.80 | 28 | 14.90 | 18 | 14.00 |
| 23 | 18.80 | Feb. 5 | 14.20 | Feb. 9 | 13.70 | 24 | 13.90 |
| 31 | 18.80 | 10 | 6.40 | 13 | 4.70 | Mar. 3 | 15.40 |
| Feb. 6 | 18.50 | 12 | 3.30 | 15 | 5.60 | 11 | 5.40 |
| 15 | 18.30 | 19 | 8.40 | 18 | 6.10 | 17 | 4.30 |
| 21 | 18.1 | 26 | 7.00 | 25 | 10.50 | 24 | 6.10 |
| 29 | 18.05 | Mar. 5 | 4.75 | Mar. 4 | 9.90 | 30 | 10.00 |
| Mar. 5 | 7.50 | 12 | 7.60 | 11 | 11.90 | Apr. 15 | 14.40 |
| 6 | 6.50 | 19 | 7.10 | 17 | 9.00 | 22 | 14.30 |
| 7 | 6.10 | 26 | 10.60 | 24 | 10.70 | 27 | 14.60 |
| 10 | 1.50 | Apr. 2 | 9.90 | 30 | 13.20 | May 8 | 4.50 |
| 13 | 4.30 | 9 | 9.80 | Apr. 8 | 14.40 | 12 | 6.30 |
| 20 | 7.20 | 17 | 5.30 | 15 | 9.40 | 19 | 5.50 |
| 21 | 7.50 | 24 | 8.20 | 28 | 3.50 | 26 | 11.00 |
| 28 | 8.10 | 30 | 8.30 | 29 | 2.60 | June 5 | 14.50 |
| Apr. 3 | 10.50 | May 7 | 12.80 | May 2 | 3.00 | 9 | 15.30 |
| 10 | 9.10 | 15 | 14.90 | 6 | 5.40 | 16 | 16.00 |
| 18 | 12.40 | 21 | 15.80 | 12 | 11.20 | 24 | 16.70 |
| 24 | 12.20 | 29 | 16.50 | 21 | 13.40 | 30 | 16.80 |
| May 1 | 6.90 | June 5 | 15.80 | 28 | 14.80 | July 7 | 17.50 |
| 8 | 11.20 | 12 | 16.70 | June 2 | 15.80 | 14 | 17.00 |
| 16 | 14.20 | 18 | 17.00 | 10 | 16.40 | 21 | 17.30 |
| 22 | 15.60 | 23 | 17.30 | 20 | 16.80 | 28 | 16.40 |
| 30 | 16.30 | July 2 | 17.40 | 24 | 17.00 | Aug. 4 | 17.40 |
| June 6 | 16.60 | 9 | 17.10 | 30 | 17.20 | 12 | 17.60 |
| 13 | 16.70 | 16 | 17.30 | July 16 | 17.50 | 19 | 17.80 |
| 19 | 15.50 | 23 | 16.80 | 22 | 17.50 | 25 | 17.80 |
| 26 | 15.70 | 29 | 17.00 | 29 | 17.60 | Sept. 1 | 17.80 |
| July 10 | 15.20 | Aug. 6 | 17.20 | Aug. 5 | 17.60 | 8 | 17.90 |
| 17 | 15.30 | 13 | 17.30 | 12 | 17.70 | 14 | 17.75 |
| Aug. 7 | 16.90 | 20 | 17.30 | 20 | 17.30 | 22 | 17.80 |
| 14 | 17.30 | 27 | 17.60 | 26 | 17.20 | 29 | 16.90 |
| 22 | 17.40 | Sept. 2 | 16.90 | Sept. 3 | 17.50 | Oct. 14 | 18.00 |
| 28 | 17.20 | 10 | 17.10 | 9 | 17.60 | 23 | 17.70 |
| Sept. 5 | 18.10 | 13 | 11.20 | 16 | 17.60 | 29 | 17.70 |
| 11 | 17.90 | 17 | 10.10 | 23 | 17.00 | Nov. 4 | 17.40 |
| 19 | 18.00 | 23 | 12.70 | 29 | 16.70 | | |

Tippecanoe County

402600N0865528.1. Local number Tc 7. Purdue University. State of Indiana. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in, depth 207 ft, cased, screen setting unknown. Lsd about 679 ft above msl. MP chiseled "x" on lip of manhole, 0.35 ft above lsd (since June 21, 1965). Highest water level 159.57 below lsd, May 5, 14, 1950; lowest 171.03 (tape measurement) below lsd, Oct. 10, 1967. Records available: 1945-67.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 167.29 | 167.67 | 167.26 | 167.15 | 167.32 | 167.97 | 168.66 | 168.95 | 168.87 | 169.45 | 168.80 | 169.16 |
| 10 | 167.36 | 167.42 | 167.47 | 167.24 | 167.43 | 168.27 | 168.59 | 168.98 | 169.04 | 169.50 | 168.79 | 169.37 |
| 15 | ..... | 167.78 | 167.46 | 167.18 | 167.52 | 168.21 | 168.67 | 168.99 | 169.18 | 169.47 | 168.88 | 169.38 |
| 20 | ..... | 167.30 | 167.26 | 167.21 | 167.50 | 168.21 | 168.69 | 168.73 | 169.19 | 169.52 | 168.78 | 169.30 |
| 25 | 167.46 | 167.26 | 166.93 | 167.36 | 167.45 | 168.18 | 168.93 | 168.85 | 169.21 | 169.60 | 168.98 | 168.86 |
| Eom | 167.57 | 167.34 | 166.92 | 167.00 | 167.83 | 168.65 | 168.86 | 168.99 | 169.16 | ..... | 168.86 | 168.89 |

402600N0865528.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|---------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 168.78 | 169.20 | 169.39 | 168.65 | 168.34 | 168.36 | 168.97 | 169.25 | 169.08 | 169.71 | 169.75 | 168.93 |
| 10 | 169.29 | 169.57 | 169.54 | 168.77 | 168.43 | e168.55 | h168.76 | 168.96 | 169.11 | 169.74 | 169.37 | 168.77 |
| 15 | 169.31 | 169.36 | 169.62 | 168.79 | e168.43 | 168.79 | ..... | 168.94 | 169.21 | 169.62 | 169.33 | 168.84 |
| 20 | 169.02 | 169.72 | 169.26 | 168.65 | 168.54 | 168.86 | 168.70 | 168.98 | 169.25 | 169.59 | 169.24 | 168.85 |
| 25 | 169.34 | 169.62 | 168.75 | 168.68 | 168.53 | 169.08 | 168.95 | 168.94 | 169.55 | 169.73 | ..... | e168.59 |
| Eom | 169.36 | 169.71 | 168.75 | 168.52 | 168.41 | 169.09 | 169.15 | 168.95 | 169.72 | 169.73 | 169.01 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | 168.47 | h168.56 | 168.44 | ..... | 168.19 | ..... | ..... | e168.41 | ..... | ..... | 168.22 | 167.94 |
| 10 | ..... | 168.55 | 168.55 | ..... | 168.24 | ..... | 168.05 | 168.48 | ..... | ..... | 168.18 | 168.41 |
| 15 | e168.69 | 168.70 | 168.34 | h168.19 | 168.34 | ..... | 168.10 | 168.48 | ..... | 168.21 | 168.03 | 168.61 |
| 20 | 168.69 | 168.50 | 168.47 | 168.09 | 168.45 | ..... | 168.16 | 168.67 | ..... | 168.37 | 168.21 | 168.26 |
| 25 | ..... | 168.29 | h168.28 | ..... | h168.28 | ..... | 168.21 | 168.39 | ..... | ..... | 168.23 | 168.04 |
| Eom | 168.46 | 168.42 | ..... | 168.00 | ..... | ..... | 168.24 | e168.34 | ..... | 168.33 | 168.20 | 168.16 |
| 1966 | | | | | | | | | | | | |
| 5 | 167.97 | ..... | ..... | 167.73 | 168.60 | 169.00 | h169.57 | 170.30 | 170.50 | 170.80 | 170.60 | 170.40 |
| 10 | ..... | 167.42 | ..... | ..... | 168.90 | 169.20 | e169.70 | 170.30 | 170.60 | 170.70 | 170.50 | 170.60 |
| 15 | 167.97 | h167.49 | e167.63 | ..... | 168.80 | 168.90 | e169.90 | 170.30 | 170.60 | 170.60 | h170.55 | 170.50 |
| 20 | 168.11 | ..... | ..... | 169.23 | 169.00 | 169.10 | e169.90 | 170.40 | h170.72 | 170.70 | 170.60 | 170.30 |
| 25 | e167.91 | ..... | 167.92 | 169.53 | 169.10 | 169.40 | ..... | 170.40 | ..... | 170.60 | 170.40 | 170.10 |
| Eom | ..... | ..... | 167.56 | 169.69 | 169.10 | 169.50 | 170.20 | 170.50 | ..... | ..... | 170.50 | 169.50 |
| 1967 | | | | | | | | | | | | |
| 5 | 169.40 | 168.40 | 168.60 | ..... | 169.30 | ..... | 169.30 | e170.30 | h170.36 | 170.90 | ..... | h170.45 |
| 10 | 169.10 | 168.20 | 168.60 | ..... | 169.10 | 168.90 | 169.40 | e170.40 | 170.50 | 170.90 | 170.50 | 170.40 |
| 15 | 169.00 | 168.30 | 168.80 | 168.90 | 169.10 | 169.10 | 169.80 | 170.30 | 170.60 | ..... | 170.50 | 170.60 |
| 20 | 168.60 | 168.60 | ..... | 169.00 | 169.20 | h169.23 | 169.90 | e170.40 | 170.70 | ..... | 170.40 | 170.40 |
| 25 | 168.70 | 168.90 | ..... | 169.20 | 169.10 | ..... | 169.90 | 170.30 | 170.70 | 171.00 | 170.40 | ..... |
| Eom | 168.60 | 168.60 | ..... | 169.10 | h169.17 | ..... | 170.10 | 170.40 | 170.70 | 170.80 | 170.20 | ..... |

e Estimated.

h Tape measurement.

Union County

393644N0895721.1. Local number Un 6. U.S. Geol. Survey. Drilled observation artesian well in limestone, diam 6 in, depth 82 ft. Lsd about 940 ft above msl. MP top of collar welded on casing, 3 ft above lsd. Highest water level 9.74 below lsd, May 19, 1967; lowest 16.07 below lsd, Nov. 4, 5, 1966. Records available: 1966-67. Recorder installed Sept. 22, 1966.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.74 | 16.07 | 15.68 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.77 | 15.81 | 15.07 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.85 | 15.75 | 14.74 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.96 | 15.84 | 14.60 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.65 | 16.00 | 15.90 | 14.66 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.70 | 16.02 | 15.70 | 14.68 |
| 1967 | | | | | | | | | | | | |
| 5 | 14.69 | 14.42 | 14.19 | 12.40 | 12.88 | 11.74 | 13.73 | 14.11 | 15.17 | 15.80 | 15.92 | 15.53 |
| 10 | 14.76 | 14.32 | 13.27 | 11.95 | 11.28 | 12.34 | 14.05 | 14.19 | 15.29 | 15.81 | 15.95 | 15.25 |
| 15 | 14.74 | 14.38 | 13.05 | 12.25 | 10.38 | 12.95 | 14.31 | 14.43 | 15.45 | 15.88 | 15.94 | 14.91 |
| 20 | 14.87 | 14.45 | 12.97 | 12.72 | 9.75 | 13.46 | 14.59 | 14.58 | 15.54 | 15.92 | 15.96 | 14.63 |
| 25 | 14.93 | 14.54 | 12.41 | 12.82 | 10.65 | 13.76 | 14.80 | 14.80 | 15.84 | 15.96 | 15.97 | 14.11 |
| Eom | 14.96 | 14.50 | 12.29 | 12.95 | 11.28 | 13.57 | 14.03 | 15.00 | 15.70 | 16.01 | 15.96 | 14.04 |

Vanderburgh County

380626N0873958.1. Local number Va 1. Flora Buente. Dug unused artesian well, diam 42 in, depth 20 ft, cribbed with brick. Lsd about 445 ft above msl. MP top of 1½-in pipe, 1.11 ft above lsd (since Dec. 22, 1963). Highest water level 0.19 below lsd, Mar. 18, 1951; lowest 14.29 below lsd, Feb. 13, 1955. Records available: 1947-67. Measurement discontinued Jan. 20, 1967.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 6, 1963 | 10.45 | Apr. 7, 1963 | 8.75 | July 7, 1963 | 10.05 | Oct. 13, 1963 | 11.35 |
| 13 | 10.49 | 14 | 8.41 | 14 | 10.09 | 20 | 11.45 |
| 20 | 10.50 | 21 | 8.21 | 21 | 10.12 | 27 | 11.75 |
| 27 | 10.51 | 28 | 8.10 | 28 | 10.31 | Nov. 3 | 11.75 |
| Feb. 3 | 10.44 | May 5 | 8.08 | Aug. 4 | 10.38 | 10 | 11.78 |
| 10 | 10.43 | 12 | 8.26 | 18 | 10.58 | 17 | 11.81 |
| 17 | 10.39 | 19 | 8.25 | 25 | 10.68 | 24 | 11.86 |
| 24 | 10.41 | 26 | 8.61 | Sept. 1 | -10.81 | Dec. 1 | 11.90 |
| Mar. 3 | 10.38 | June 2 | 8.89 | 8 | 10.82 | 8 | 12.01 |
| 10 | 10.32 | 9 | 9.13 | 15 | 10.93 | 15 | 12.17 |
| 17 | 9.73 | 16 | 9.48 | 22 | 11.00 | 22 | 11.29 |
| 24 | 9.28 | 23 | 9.76 | 29 | 11.15 | 29 | 11.35 |
| 31 | 9.05 | 30 | 9.97 | Oct. 6 | 11.26 | Jan. 5, 1964 | 12.46 |

380626N0873958.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 12, 1964 | 12.53 | Sept. 27, 1964 | 11.36 | June 27, 1965 | 10.41 | Mar. 27, 1966 | 9.64 |
| 19 | 12.04 | Oct. 4 | 11.75 | July 4 | 10.48 | Apr. 3 | 9.48 |
| 26 | 12.66 | 11 | 11.79 | 11 | 10.44 | 10 | 9.41 |
| Feb. 2 | 12.77 | 18 | 11.84 | 18 | 10.45 | 17 | 9.26 |
| 9 | 12.98 | 25 | 11.95 | 26 | 10.58 | 24 | 8.90 |
| 16 | 13.06 | Nov. 8 | 12.14 | Aug. 1 | 10.65 | May 1 | 8.15 |
| 23 | 13.17 | 15 | 12.24 | 8 | 10.74 | 15 | 6.28 |
| Mar. 1 | 12.98 | 22 | 12.35 | 15 | 10.82 | 22 | 4.86 |
| 8 | 13.22 | 29 | 12.43 | 23 | 10.91 | 29 | 5.60 |
| 15 | 11.49 | Dec. 6 | 12.48 | 29 | 10.98 | June 5 | 6.49 |
| 22 | 11.71 | 13 | 12.54 | Sept. 5 | 10.94 | 12 | 7.28 |
| 29 | 10.76 | 20 | 12.65 | 12 | 10.96 | 19 | 7.96 |
| Apr. 5 | 11.80 | 27 | 12.74 | 19 | 10.94 | 26 | 8.56 |
| 12 | 11.71 | Jan. 3, 1965 | 12.77 | 27 | 10.91 | July 3 | 8.85 |
| 19 | 11.45 | 10 | 12.79 | Oct. 3 | 10.88 | 10 | 9.17 |
| 26 | 11.25 | 17 | 12.77 | 11 | 10.79 | 17 | 9.34 |
| May 3 | 10.96 | 24 | 12.74 | 17 | 10.77 | 25 | 9.52 |
| 10 | 10.73 | 31 | 12.75 | 24 | 10.71 | 31 | 9.62 |
| 17 | 10.45 | Feb. 7 | 12.69 | 31 | 10.68 | Aug. 7 | 9.71 |
| 24 | 10.39 | 14 | 12.37 | Nov. 7 | 10.61 | 14 | 9.76 |
| 31 | 10.24 | 21 | 12.25 | 14 | 10.63 | 21 | 9.86 |
| June 7 | 10.17 | 28 | 12.16 | 21 | 10.57 | 28 | 9.95 |
| 14 | 10.19 | Mar. 7 | 12.00 | 28 | 10.58 | Sept. 4 | 10.14 |
| 21 | 10.11 | 14 | 11.80 | Dec. 5 | 10.59 | 11 | 10.27 |
| 28 | 10.11 | 21 | 11.64 | 12 | 10.62 | 18 | 9.34 |
| July 5 | 10.14 | 28 | 11.52 | 19 | 10.62 | 25 | 10.57 |
| 12 | 10.22 | Apr. 4 | 11.29 | 26 | 10.66 | Oct. 2 | 10.65 |
| 19 | 10.23 | 11 | 11.19 | Jan. 9, 1966 | 10.65 | 9 | 10.77 |
| 26 | 10.26 | 18 | 10.91 | 17 | 10.61 | 16 | 10.84 |
| Aug. 2 | 10.47 | 25 | 10.75 | 30 | 10.58 | 30 | 10.99 |
| 9 | 10.52 | May 2 | 10.61 | Feb. 6 | 10.56 | Nov. 13 | 11.09 |
| 16 | 10.79 | 9 | 10.45 | 13 | 10.41 | 20 | 11.14 |
| 23 | 10.93 | 16 | 10.33 | 20 | 10.34 | 27 | 11.14 |
| 30 | 11.09 | 22 | 10.25 | 27 | 10.26 | Dec. 11 | 11.20 |
| Sept. 6 | 11.24 | June 6 | 10.31 | Mar. 6 | 10.22 | 18 | 11.25 |
| 13 | 11.39 | 13 | 10.29 | 13 | 9.99 | 25 | 11.35 |
| 20 | 11.55 | 20 | 10.34 | 21 | 9.80 | | |

380608N0873959.1. Local number Va 6. U.S. Geol. Survey. Drilled observation artesian well in Patoka Formation of Late Pennsylvanian age, diam 6 in, depth 125 ft, cased to 80. Led 446.58 ft above msl. MF top of platform, 3.47 ft above lsd. Highest water level 25.18 below lsd, May 23, 1966; lowest 28.15 below lsd, Dec. 3, 1966. Records available: 1965-67. Recorder installed May 25, 1965.

Highest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|--------|
| 5 | ..... | ..... | ..... | ..... | ..... | 26.38 | 26.83 | 26.94 | 27.13 | 26.89 | 26.88 | 26.76 |
| 10 | ..... | ..... | ..... | ..... | ..... | 26.37 | e26.50 | 27.14 | 27.22 | 26.69 | 26.87 | 26.94 |
| 15 | ..... | ..... | ..... | ..... | ..... | e26.46 | 26.59 | 27.23 | 26.88 | 26.62 | 26.72 | 26.80 |
| 20 | ..... | ..... | ..... | ..... | ..... | 26.65 | 26.62 | 27.11 | 26.97 | 26.69 | 26.68 | 26.70 |
| 25 | ..... | ..... | ..... | ..... | e26.41 | 26.73 | ..... | 27.17 | 26.91 | 26.72 | 26.73 | 26.81 |
| Eom | ..... | ..... | ..... | ..... | 26.35 | 26.86 | 26.77 | 26.97 | 26.84 | 26.77 | 26.90 | 27.03 |
| 1966 | | | | | | | | | | | | |
| 5 | 26.77 | 26.65 | ..... | 25.70 | 25.55 | e26.65 | 26.27 | 26.97 | 27.11 | 27.39 | 27.69 | ..... |
| 10 | 26.81 | 26.41 | 26.17 | 25.91 | 25.62 | 25.78 | 26.43 | 26.93 | 27.23 | 27.41 | 27.51 | ..... |
| 15 | 26.64 | 26.52 | 25.97 | 25.80 | 25.37 | 25.76 | 26.49 | ..... | 27.16 | ..... | 27.88 | 27.73 |
| 20 | 26.77 | 26.58 | e25.94 | 26.67 | ..... | 25.93 | 26.59 | ..... | 27.10 | 27.49 | 27.94 | 27.63 |
| 25 | 26.72 | 26.26 | 25.87 | 25.70 | h25.27 | 26.05 | h26.81 | 26.92 | h27.24 | 27.65 | 27.93 | 27.72 |
| Eom | 26.70 | 26.05 | 25.70 | 25.54 | ..... | 26.14 | 26.95 | 27.03 | 27.12 | 27.60 | 27.87 | 27.64 |
| 1967 | | | | | | | | | | | | |
| 5 | 27.62 | h27.16 | 26.84 | 26.28 | 26.00 | 26.09 | 26.34 | 26.21 | 26.58 | 26.73 | 26.54 | 26.15 |
| 10 | 27.65 | 27.09 | 26.61 | 26.26 | ..... | 26.10 | 25.93 | 26.24 | 26.58 | 26.82 | 26.49 | h26.00 |
| 15 | 27.65 | 27.04 | 26.46 | 26.25 | 25.68 | 26.33 | 26.06 | 26.29 | 26.60 | 26.67 | 26.37 | 26.01 |
| 20 | 27.68 | 27.06 | 26.39 | 26.27 | 25.82 | 26.24 | 26.19 | 26.40 | 26.71 | 26.61 | 26.32 | ..... |
| 25 | 27.65 | ..... | 26.33 | 26.17 | 25.84 | 26.21 | ..... | 26.49 | 26.70 | 26.65 | 26.15 | 25.52 |
| Eom | 27.47 | 27.05 | 26.37 | h26.00 | 25.95 | 26.19 | 26.07 | 26.47 | 26.66 | 26.50 | 26.04 | 25.69 |

e Estimated.

h Tape measurement.

Vigo County

392708N0872501.1. Local number Vi 2. Commercial Solvents Corp. Washington Ave. and First St., Terre Haute. Drilled unused well in sand and gravel, diam 6 in, reported depth 133 ft. Led 495.9 ft above msl. MP top of casing, 4.00 ft above lsd. Highest water level 42.25 below lsd, Apr. 17, 1950; lowest 62.75 below lsd, Dec. 28-30, 1954. Records available: 1946-67.

392708N0872501.1--Continued.

| Highest water level for the day, from recorder graph, 1952 | | | | | | | | | | | | |
|--|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 53.05 | 50.55 | ..... | 50.60 | 47.95 | 46.75 | 47.55 | 50.05 | 50.45 | 50.10 | 52.25 | 54.35 |
| 10 | 52.30 | 49.90 | 52.35 | 50.00 | 48.40 | 47.75 | 48.05 | 50.25 | 50.80 | 51.30 | 52.50 | 54.50 |
| 15 | 52.45 | 50.10 | 51.80 | 49.60 | 48.60 | 47.75 | 48.40 | 50.60 | 51.10 | 51.35 | 52.60 | 54.60 |
| 20 | 52.05 | 50.55 | 50.65 | 48.60 | 48.15 | 46.80 | 48.85 | 50.20 | 51.00 | 51.40 | 52.70 | 54.95 |
| 25 | ..... | 51.45 | 49.90 | 48.70 | ..... | 46.00 | 49.60 | 50.25 | 49.35 | 51.75 | 53.45 | 55.00 |
| Eom | 51.25 | 51.95 | 49.95 | 47.65 | 46.40 | 46.50 | 59.90 | 50.40 | 49.60 | 52.00 | 53.85 | 54.95 |
| 1953 | | | | | | | | | | | | |
| 5 | 54.95 | 54.50 | 54.05 | 51.10 | 53.40 | 53.55 | 55.20 | 57.10 | 58.90 | 58.85 | 59.00 | 59.30 |
| 10 | 55.05 | 54.65 | 53.05 | 52.00 | 53.60 | 53.90 | 54.85 | 57.30 | 59.00 | 58.90 | 59.10 | 59.46 |
| 15 | 55.05 | 54.70 | 52.95 | 52.30 | 53.85 | 54.20 | 55.25 | 57.75 | 58.80 | 57.90 | 59.25 | 59.35 |
| 20 | 54.75 | 54.75 | 52.30 | 52.60 | 45.05 | 54.70 | 56.05 | 58.10 | 58.65 | 57.95 | 59.35 | 59.80 |
| 25 | 53.75 | 54.50 | 51.65 | 53.00 | 53.50 | 55.05 | 56.55 | 58.40 | 58.65 | 58.55 | 59.30 | 59.95 |
| Eom | 54.35 | 54.50 | 51.50 | 53.20 | 53.05 | 55.15 | 56.90 | 58.60 | 58.75 | 58.80 | 59.05 | 60.15 |
| 1954 | | | | | | | | | | | | |
| 5 | 60.10 | 60.05 | 59.40 | 59.20 | 56.25 | 55.30 | 56.05 | 59.25 | 58.95 | 58.95 | ..... | 58.15 |
| 10 | 60.35 | 59.90 | 57.50 | 59.80 | 55.50 | 55.90 | 56.55 | 58.90 | 59.10 | 58.80 | 58.05 | 58.20 |
| 15 | 60.55 | 57.95 | 57.25 | 59.20 | 55.65 | 57.45 | 58.40 | 58.55 | 59.10 | 58.15 | ..... | 58.40 |
| 20 | 60.40 | 59.80 | 58.45 | 58.75 | 55.70 | 56.20 | 58.85 | 58.80 | 59.00 | 57.25 | 58.10 | 58.30 |
| 25 | 60.30 | 59.70 | 59.65 | 56.80 | 55.40 | 58.00 | 59.00 | 58.75 | 59.00 | 57.00 | 58.15 | 58.50 |
| Eom | 58.35 | 57.45 | 59.60 | 57.45 | 55.85 | 56.40 | 59.20 | 58.80 | 59.05 | ..... | 58.25 | 58.50 |
| 1955 | | | | | | | | | | | | |
| 5 | 57.85 | 57.05 | 55.70 | 54.50 | 53.55 | 54.05 | 54.85 | 54.20 | 56.20 | 58.35 | 57.80 | 56.55 |
| 10 | 56.60 | 57.20 | 54.70 | 54.65 | 53.90 | 53.85 | 54.80 | 54.20 | 57.00 | 57.35 | 57.10 | 56.80 |
| 15 | 56.20 | 57.25 | 54.65 | 54.55 | 54.00 | 53.35 | 54.45 | 54.35 | 57.55 | 57.10 | 56.95 | 57.00 |
| 20 | 56.50 | 57.10 | 54.65 | 54.25 | 54.35 | ..... | 53.70 | 54.60 | 57.85 | 57.60 | 56.20 | 57.20 |
| 25 | 56.65 | 56.70 | 54.50 | 53.90 | 54.20 | 53.65 | 53.70 | 54.70 | 58.25 | 57.75 | 56.00 | ..... |
| Eom | 56.90 | 56.55 | 54.50 | 53.45 | 53.90 | 53.90 | 54.45 | 55.65 | 58.15 | 57.75 | 56.20 | 57.50 |
| 1956 | | | | | | | | | | | | |
| 5 | 57.80 | 58.35 | 54.70 | 54.75 | 54.05 | 49.80 | 52.00 | ..... | 54.45 | 55.30 | 55.85 | 56.10 |
| 10 | 57.80 | 58.55 | 54.85 | 54.35 | 52.85 | 51.50 | ..... | 53.65 | 54.65 | 55.45 | 55.95 | 56.00 |
| 15 | 57.90 | 58.25 | 54.95 | 54.35 | 52.05 | 52.50 | 52.35 | 53.95 | 55.05 | 55.60 | 56.00 | 56.10 |
| 20 | 58.15 | ..... | 55.15 | 54.65 | 51.90 | 53.00 | 52.35 | 54.10 | 55.15 | 55.80 | 55.95 | 56.10 |
| 25 | 58.30 | 56.50 | 54.95 | 54.60 | 51.80 | 51.60 | 52.85 | 54.50 | 55.25 | ..... | 56.00 | ..... |
| Eom | 58.40 | 55.65 | 55.25 | 54.45 | 52.30 | 51.65 | 53.20 | 54.15 | 55.35 | 55.85 | 56.20 | 56.00 |
| 1957 | | | | | | | | | | | | |
| 5 | 56.10 | 55.65 | 54.35 | 53.75 | 47.05 | 47.20 | 43.85 | 47.20 | 51.15 | 52.50 | 52.40 | 52.70 |
| 10 | 56.15 | 55.50 | 54.55 | 51.70 | 48.05 | 48.20 | 43.50 | 48.40 | 51.75 | 52.90 | 52.70 | 52.50 |
| 15 | 56.25 | 55.00 | 54.70 | 49.65 | 47.55 | 47.35 | 43.70 | 48.95 | 51.95 | 52.90 | 52.55 | 51.95 |
| 20 | ..... | 55.05 | 54.85 | 48.90 | 47.30 | 46.85 | 43.85 | 49.75 | 52.25 | 52.75 | 51.50 | 51.55 |
| 25 | 55.80 | 55.15 | 54.80 | 47.90 | 46.55 | 47.15 | 44.35 | 50.50 | 52.00 | 52.65 | 51.70 | 49.15 |
| Eom | 55.45 | 54.85 | 54.65 | 47.25 | 46.85 | 45.45 | 45.10 | 50.90 | 52.25 | 51.85 | 52.10 | 49.10 |
| 1958 | | | | | | | | | | | | |
| 5 | ..... | 51.30 | 51.30 | 53.70 | 52.65 | 53.90 | 45.85 | 43.70 | 46.15 | 49.00 | 51.10 | 52.00 |
| 10 | 49.45 | 51.80 | 51.85 | 52.70 | 52.55 | 53.70 | 46.15 | 43.55 | 46.80 | 49.30 | 51.20 | 52.55 |
| 15 | 50.10 | 52.40 | 52.85 | 52.65 | 53.15 | 48.65 | 45.55 | 44.45 | 47.55 | 49.70 | 51.75 | 52.40 |
| 20 | 50.60 | 52.70 | 53.50 | 52.75 | 54.00 | 44.85 | 44.30 | 43.70 | 47.65 | 50.10 | 51.00 | 52.50 |
| 25 | 50.25 | 53.00 | 53.90 | 52.65 | 54.10 | 44.65 | 43.60 | 43.90 | 48.25 | 50.65 | 50.35 | 51.40 |
| Eom | 49.30 | 53.05 | 53.55 | 52.70 | 54.15 | 44.65 | 44.85 | 45.50 | 48.50 | 50.90 | 49.90 | 51.00 |
| 1959 | | | | | | | | | | | | |
| 5 | ..... | 49.05 | 46.40 | 46.50 | 43.80 | 46.85 | 47.65 | 48.30 | 49.55 | 50.00 | 52.65 | 54.15 |
| 10 | 52.35 | 49.45 | 46.50 | 46.30 | 44.30 | 47.05 | 47.85 | 48.30 | 49.35 | 50.15 | 53.15 | 54.35 |
| 15 | 52.25 | 45.15 | 46.05 | 46.60 | 45.15 | 47.35 | 48.10 | 48.60 | 49.45 | 49.90 | 53.30 | 54.30 |
| 20 | 52.45 | 45.00 | 45.85 | 47.20 | 45.80 | 48.00 | 48.20 | 48.90 | 49.65 | 50.05 | 53.10 | 54.15 |
| 25 | ..... | 45.60 | 46.45 | 46.60 | 46.30 | 48.25 | 48.25 | 49.10 | 49.80 | 50.30 | 53.45 | 54.30 |
| Eom | 50.50 | 45.75 | 46.80 | 45.85 | 46.35 | 47.70 | 48.15 | 49.50 | 49.85 | 50.75 | 53.55 | 54.15 |
| 1960 | | | | | | | | | | | | |
| 5 | 53.75 | 55.10 | 52.95 | 51.65 | 50.65 | 52.50 | e49.05 | 52.00 | 53.50 | 54.70 | 55.20 | 55.40 |
| 10 | 53.95 | 54.40 | 53.20 | 51.70 | 50.80 | 52.65 | 49.30 | 52.10 | 54.05 | 54.85 | ..... | 55.65 |
| 15 | 54.15 | 52.70 | 53.35 | 52.15 | 50.80 | 52.90 | 49.40 | 52.75 | 54.25 | 55.00 | ..... | 55.80 |
| 20 | 53.45 | 51.90 | 53.80 | 51.70 | 51.00 | 52.50 | 49.35 | 53.15 | 54.50 | 55.05 | ..... | 56.00 |
| 25 | 54.10 | 52.25 | 54.10 | 50.05 | 51.05 | 51.45 | 49.55 | 52.90 | 54.65 | 54.85 | ..... | 56.15 |
| Eom | 54.95 | 52.45 | 53.15 | 50.50 | 50.90 | 48.80 | 49.95 | 53.30 | 54.45 | 55.00 | 55.40 | 56.40 |
| 1961 | | | | | | | | | | | | |
| 5 | 56.40 | 58.05 | 58.05 | 53.85 | 49.15 | 50.65 | 51.50 | 52.75 | 53.65 | 54.10 | 55.00 | 55.75 |
| 10 | 56.45 | 58.40 | 57.15 | 54.15 | 48.75 | 50.65 | 52.10 | 52.70 | 53.80 | 54.35 | 55.15 | 56.00 |
| 15 | 56.60 | 58.45 | 56.00 | 54.40 | 47.85 | 50.65 | 52.40 | 52.80 | 54.10 | 54.45 | 55.45 | 56.20 |
| 20 | 56.35 | 58.45 | 54.90 | 53.90 | 48.20 | 50.90 | 52.55 | 53.00 | 54.10 | 54.75 | 55.20 | 56.25 |
| 25 | 56.75 | 58.70 | 54.10 | 52.40 | 49.25 | 51.20 | 52.70 | 53.30 | 54.20 | 54.85 | 55.45 | ..... |
| Eom | h57.49 | 58.50 | 53.60 | 49.85 | 49.95 | 51.00 | 52.85 | 53.60 | 54.00 | 54.80 | 55.45 | 56.50 |
| 1962 | | | | | | | | | | | | |
| 5 | 56.45 | 53.15 | 51.60 | 48.70 | 50.40 | 51.20 | 51.55 | 50.80 | 53.35 | 55.10 | 55.55 | 57.95 |
| 10 | 55.60 | 52.75 | 51.90 | 49.15 | 50.25 | 51.15 | 51.65 | 51.15 | 53.55 | 55.35 | 56.00 | 58.15 |
| 15 | 55.55 | 52.70 | 51.10 | 49.60 | 49.75 | 50.90 | 51.60 | 51.50 | 53.75 | 55.25 | 56.65 | 58.35 |
| 20 | 55.60 | 52.75 | 50.35 | 50.00 | 50.20 | 51.15 | 50.35 | 51.45 | 54.15 | 55.25 | h57.05 | 58.50 |
| 25 | 55.65 | 52.95 | 48.90 | 50.35 | 50.65 | 51.50 | 50.15 | 52.60 | 54.60 | 54.85 | 57.35 | 58.80 |
| Eom | 54.25 | 52.65 | 48.20 | 50.70 | 50.90 | 51.70 | 50.15 | 53.35 | 54.85 | 55.35 | 57.65 | 59.00 |

392708N0872501.1--Continued.

| 1963 | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|-------|-------|-------|-------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 59.25 | h59.48 | 59.00 | 53.50 | 54.15 | 55.90 | 56.55 | 56.45 | 57.25 | 57.65 | 57.00 | 58.20 |
| 10 | 59.30 | 59.40 | 55.90 | 53.70 | 54.45 | 55.95 | 56.35 | 56.50 | 57.45 | 57.75 | 57.85 | 58.20 |
| 15 | h59.39 | 59.30 | 54.15 | 54.10 | 54.85 | 55.80 | 56.40 | 56.65 | 57.45 | 57.70 | 57.00 | 58.20 |
| 20 | 59.70 | 59.15 | 53.90 | 54.75 | 55.00 | 56.10 | 56.70 | 56.75 | 57.65 | 57.85 | 57.10 | 58.10 |
| 25 | 59.60 | 59.05 | 53.60 | 54.60 | 55.60 | 56.20 | 56.25 | 56.85 | 57.70 | 57.95 | 57.15 | 58.05 |
| Eom | 59.50 | 59.15 | 53.85 | 54.40 | 55.90 | 56.30 | 56.35 | 57.05 | 57.40 | 57.90 | 57.20 | 58.20 |
| 1964 | | | | | | | | | | | | |
| 5 | 58.35 | 58.75 | 59.05 | 57.00 | 50.90 | 53.55 | 52.55 | 56.25 | 57.30 | 57.90 | 57.10 | 57.90 |
| 10 | 58.40 | 58.50 | 58.60 | 56.00 | 51.75 | 53.80 | 52.95 | 56.45 | 57.45 | 57.90 | 57.35 | 58.15 |
| 15 | 58.30 | 58.65 | 57.80 | 55.65 | 52.45 | 54.00 | 52.40 | 56.80 | 57.45 | 57.85 | 57.45 | h58.39 |
| 20 | 58.55 | 58.85 | 57.35 | 55.75 | 52.80 | 54.55 | 52.70 | 56.95 | 57.45 | h57.90 | 57.35 | 58.40 |
| 25 | 58.45 | 59.00 | 57.40 | 53.50 | 53.30 | 53.15 | 55.30 | 57.05 | 57.55 | e58.00 | 57.60 | 58.65 |
| Eom | 58.65 | 59.15 | h57.12 | 51.10 | 53.35 | 53.85 | 55.95 | 57.20 | 57.65 | 57.85 | 57.70 | 58.55 |
| 1965 | | | | | | | | | | | | |
| 5 | 58.35 | 58.00 | 56.55 | 55.85 | 52.30 | 53.15 | 53.95 | 52.90 | 55.45 | 54.65 | 53.00 | 55.95 |
| 10 | 58.15 | e57.90 | 56.05 | 55.20 | 52.45 | 52.65 | 53.10 | 53.40 | 55.65 | 54.90 | 53.35 | 55.95 |
| 15 | 58.15 | e57.20 | 55.70 | 53.90 | 53.00 | 52.40 | 52.75 | 53.55 | 55.60 | 55.00 | 53.45 | 56.00 |
| 20 | 58.30 | 56.65 | 55.65 | 53.00 | 53.45 | 54.20 | 52.50 | 53.55 | 55.05 | 55.00 | 53.55 | 55.90 |
| 25 | 58.45 | 56.75 | 55.60 | 53.20 | 53.80 | 54.90 | 52.30 | 54.10 | 54.35 | 55.05 | 53.75 | 55.80 |
| Eom | 57.85 | 56.80 | 55.80 | 52.55 | 53.50 | 55.15 | 52.40 | 55.15 | 54.15 | 54.70 | h53.98 | 55.20 |
| 1966 | | | | | | | | | | | | |
| 5 | 54.65 | 56.20 | 55.95 | h56.04 | 55.10 | 54.35 | 54.10 | 55.00 | 55.55 | 55.90 | 59.25 | 56.15 |
| 10 | 54.65 | 56.25 | 56.00 | 56.15 | h55.02 | 54.50 | 53.90 | 55.25 | 55.80 | 56.05 | 59.40 | 56.05 |
| 15 | 54.95 | 56.00 | 56.10 | 56.05 | 54.95 | 54.85 | 53.75 | 55.30 | 55.65 | 56.15 | 59.35 | 53.65 |
| 20 | 55.15 | 55.65 | 56.05 | 55.70 | 54.65 | 54.90 | 53.65 | 55.35 | 55.70 | 56.20 | 57.75 | 51.85 |
| 25 | 55.80 | 55.60 | 56.05 | 55.70 | 54.40 | 55.10 | 53.05 | 55.35 | 55.70 | 56.20 | 55.65 | 51.05 |
| Eom | 56.25 | 55.70 | 56.10 | 55.50 | 54.25 | 54.65 | 54.80 | 55.45 | 55.75 | 56.20 | 57.60 | 51.25 |

e Estimated.
h Tape measurement.

392050N0872354.1. Local number Vi 5. Firman Equipment Corp. Youngstown. Drilled unused artesian well in Pennsylvanian sandstones, diam 8 in, depth 100 ft, cased to 29. Led 575.76 ft above msl. MP top of recorder platform, 3.08 ft above lsd. Highest water level 4.06 below lsd, Feb. 27, 28, Mar. 12, 13, 1962; lowest 13.68 below lsd, Dec. 30, 31, 1963. Records available: 1955-67. Recorder installed July 1955.

| Highest water level for the day, from recorder graph, 1955 | | | | | | | | | | | | |
|--|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | .... | .... | .... | .... | .... | .... | .... | 7.32 | .... | h8.11 | .... | .... |
| 10 | .... | .... | .... | .... | .... | .... | .... | 7.40 | 8.83 | .... | 6.29 | .... |
| 15 | .... | .... | .... | .... | .... | .... | .... | 7.39 | .... | .... | .... | .... |
| 20 | .... | .... | .... | .... | .... | .... | .... | 7.61 | .... | .... | .... | .... |
| 25 | .... | .... | .... | .... | .... | .... | .... | 7.88 | .... | .... | .... | 6.03 |
| Eom | .... | .... | .... | .... | .... | .... | 7.09 | 8.20 | .... | 7.24 | .... | .... |
| 1956 | | | | | | | | | | | | |
| 5 | .... | .... | 5.03 | .... | 5.58 | 5.82 | 6.73 | 8.15 | .... | 11.27 | 12.53 | 12.61 |
| 10 | .... | .... | 5.33 | 5.02 | 5.74 | 6.23 | 6.93 | 8.40 | 10.15 | 11.55 | 12.65 | .... |
| 15 | .... | .... | .... | .... | 6.08 | 6.59 | 7.11 | 8.54 | 10.33 | 11.71 | 12.74 | 10.17 |
| 20 | .... | .... | .... | 5.53 | 6.31 | 6.73 | 7.27 | 8.85 | 10.45 | 11.93 | .... | 10.07 |
| 25 | .... | .... | .... | 5.84 | 6.55 | 6.18 | 7.56 | 9.15 | 10.73 | 12.16 | .... | 9.78 |
| Eom | .... | 4.72 | .... | 5.55 | 5.72 | 6.44 | 7.92 | 9.45 | 10.97 | 12.31 | 12.49 | 9.64 |
| 1957 | | | | | | | | | | | | |
| 5 | 9.71 | 7.68 | 6.36 | .... | 6.08 | 5.82 | 5.61 | 5.25 | 6.68 | 7.48 | 7.29 | 5.79 |
| 10 | 9.65 | 7.20 | 6.54 | .... | 6.39 | 6.05 | 6.01 | 5.59 | 6.86 | 7.64 | 7.03 | 5.10 |
| 15 | 9.48 | 6.97 | 6.52 | .... | 6.55 | .... | 5.84 | 6.00 | 6.97 | 7.77 | .... | 5.42 |
| 20 | 9.55 | 7.05 | 6.22 | 5.04 | 6.16 | 5.25 | .... | 6.30 | .... | 7.68 | .... | 4.47 |
| 25 | 8.07 | 7.07 | 5.97 | 5.13 | 5.13 | 5.75 | .... | 6.45 | 7.20 | 7.16 | 5.47 | 4.63 |
| Eom | 7.86 | 6.41 | .... | 5.60 | 5.55 | 5.15 | 5.59 | 6.50 | 7.34 | 7.11 | 5.67 | 4.47 |
| 1958 | | | | | | | | | | | | |
| 5 | 5.01 | 5.18 | 5.93 | 5.41 | 5.12 | 5.81 | .... | 4.42 | 6.00 | 5.99 | 6.08 | 4.54 |
| 10 | 5.31 | 5.45 | 5.83 | 5.43 | 4.95 | 5.73 | .... | 5.11 | .... | 5.78 | 6.14 | 4.97 |
| 15 | 5.56 | 5.72 | 5.91 | 5.66 | 5.47 | .... | .... | 5.01 | 6.31 | 5.48 | .... | 5.38 |
| 20 | 5.72 | 6.02 | 6.01 | 5.83 | 5.48 | .... | .... | 5.08 | 5.75 | 5.63 | 4.97 | 5.58 |
| 25 | 4.78 | 6.10 | 5.45 | 5.80 | 5.75 | .... | 4.77 | 5.46 | 5.86 | 5.83 | 5.03 | 5.79 |
| Eom | 4.89 | 5.98 | 5.25 | 5.62 | 5.72 | .... | 4.73 | 5.83 | 5.89 | 6.06 | 4.83 | 5.84 |
| 1959 | | | | | | | | | | | | |
| 5 | 5.70 | .... | 4.87 | 4.64 | .... | 6.05 | .... | 7.42 | 8.84 | 9.72 | 9.97 | 8.75 |
| 10 | 5.82 | .... | 4.40 | 5.05 | 5.83 | 5.97 | 6.74 | 7.52 | 8.96 | 9.85 | 9.97 | 8.73 |
| 15 | 5.63 | .... | 4.26 | 5.30 | 5.79 | .... | 6.93 | 7.78 | 8.91 | 9.83 | 9.18 | .... |
| 20 | .... | 4.59 | 4.72 | 4.76 | 5.90 | .... | 7.10 | 7.97 | 9.23 | 9.95 | 8.82 | .... |
| 25 | .... | 4.75 | 5.13 | 4.91 | 6.01 | .... | 7.20 | 8.27 | 9.49 | 9.89 | 8.73 | 6.36 |
| Eom | .... | 4.67 | 5.24 | .... | 5.95 | .... | 7.38 | 8.63 | .... | 10.06 | 8.79 | 5.95 |
| 1960 | | | | | | | | | | | | |
| 5 | 5.82 | 4.99 | 5.80 | 5.02 | 5.15 | 5.32 | 6.05 | 7.13 | 8.87 | 10.43 | 11.40 | 10.56 |
| 10 | 6.01 | .... | 5.84 | 5.51 | 4.90 | .... | 6.16 | 7.39 | 9.21 | .... | .... | .... |
| 15 | .... | .... | 5.73 | .... | 5.10 | .... | 6.49 | .... | 9.54 | .... | .... | .... |
| 20 | 5.25 | 5.39 | 5.04 | .... | 5.39 | 6.07 | 6.68 | .... | 9.75 | .... | .... | .... |
| 25 | 5.63 | 5.53 | 4.87 | .... | 5.30 | 5.69 | .... | .... | 9.99 | .... | 10.76 | .... |
| Eom | 5.29 | 5.71 | 4.81 | .... | 5.03 | 5.85 | .... | .... | 10.19 | 11.22 | 10.66 | 8.84 |

392050N0872354.1--Continued.

| 1961 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 8.81 | 9.39 | e6.42 | 5.42 | .... | .... | 7.21 | 7.44 | 8.05 | 8.19 | .... | 6.51 |
| 10 | 8.79 | 9.34 | 5.92 | 5.57 | .... | 6.20 | 7.52 | 7.41 | 8.37 | .... | .... | 6.37 |
| 15 | 8.70 | .... | .... | 5.04 | 4.71 | 6.29 | 7.73 | .... | 8.59 | .... | .... | 5.80 |
| 20 | 9.35 | 8.06 | 4.84 | 4.80 | 5.18 | 6.45 | 7.90 | 7.48 | 8.82 | 8.71 | 7.47 | 4.80 |
| 25 | 9.37 | 7.64 | 4.67 | 4.81 | 5.20 | 6.70 | 7.95 | 7.56 | 8.72 | 8.81 | 6.69 | 4.62 |
| Eom | 9.32 | 7.25 | 5.10 | .... | 5.20 | 6.96 | 8.19 | 7.74 | 8.12 | .... | 6.68 | 4.87 |
| 1962 | | | | | | | | | | | | |
| 5 | 4.67 | 4.69 | 4.57 | 4.73 | 4.78 | 6.21 | 7.08 | 7.41 | 8.87 | 9.65 | 10.55 | 10.32 |
| 10 | 4.50 | 4.84 | .... | .... | 5.15 | 6.27 | 7.32 | 7.59 | 9.20 | 9.81 | 10.65 | 10.45 |
| 15 | 4.74 | 4.76 | 4.17 | .... | 5.10 | 6.24 | 6.96 | 7.85 | .... | 10.00 | 10.59 | 10.55 |
| 20 | 4.72 | 4.63 | 4.39 | .... | 5.53 | 6.45 | 6.76 | 8.12 | h9.08 | 10.16 | 10.13 | 10.65 |
| 25 | 4.71 | 4.22 | 4.26 | .... | 5.92 | 6.71 | 7.03 | 8.41 | 9.23 | 10.37 | 10.25 | 10.59 |
| Eom | 4.37 | 4.06 | 4.78 | .... | 5.95 | 6.96 | 7.21 | 8.70 | 9.45 | 10.45 | 10.29 | .... |
| 1963 | | | | | | | | | | | | |
| 5 | .... | .... | e8.75 | 6.06 | 6.50 | 6.91 | 7.67 | 8.93 | .... | 12.39 | 13.18 | 13.12 |
| 10 | e9.87 | .... | 7.75 | 6.28 | 6.60 | 6.97 | 7.77 | 9.34 | .... | 12.50 | 13.28 | 13.17 |
| 15 | 9.74 | 9.44 | 7.45 | .... | 6.78 | 7.09 | 7.79 | 9.82 | .... | 12.69 | 13.48 | 13.28 |
| 20 | 9.73 | 9.42 | 6.29 | .... | 6.74 | 7.20 | 7.92 | .... | 11.73 | 12.85 | 13.46 | 13.37 |
| 25 | 9.73 | 9.50 | 6.34 | .... | 6.86 | 7.40 | 8.19 | .... | 11.97 | 12.96 | 13.03 | 13.44 |
| Eom | .... | 9.54 | 6.15 | .... | 6.82 | 7.51 | 8.49 | .... | 12.06 | 13.11 | 13.00 | 13.63 |
| 1964 | | | | | | | | | | | | |
| 5 | 13.61 | 10.27 | .... | 5.95 | 6.62 | 7.81 | 6.90 | 8.09 | 10.77 | 11.97 | 12.95 | .... |
| 10 | 13.22 | 10.01 | 7.38 | 5.72 | 7.03 | 7.88 | .... | 8.49 | .... | 12.21 | e13.05 | e12.54 |
| 15 | 12.86 | 9.88 | 6.36 | .... | 7.25 | e7.08 | e6.95 | 8.93 | .... | h12.31 | .... | 12.39 |
| 20 | 12.40 | 9.46 | 6.31 | .... | 7.33 | 7.05 | 7.03 | 9.36 | 11.02 | .... | .... | 12.48 |
| 25 | 11.12 | .... | 6.07 | .... | 7.42 | 6.81 | 7.38 | 9.78 | 11.30 | .... | .... | 12.98 |
| Eom | 10.34 | .... | 6.47 | h6.29 | 7.66 | 6.98 | 7.77 | 10.25 | 11.65 | 12.69 | .... | 12.36 |
| 1965 | | | | | | | | | | | | |
| 5 | 11.74 | 10.14 | .... | 5.77 | 5.90 | 6.13 | .... | 6.82 | 8.50 | 7.72 | 8.09 | 8.18 |
| 10 | .... | .... | .... | .... | 6.04 | 6.24 | .... | .... | 8.77 | 7.56 | 8.14 | 8.22 |
| 15 | .... | .... | .... | .... | 6.22 | 6.50 | 6.05 | .... | .... | 7.60 | 8.09 | 7.31 |
| 20 | .... | .... | 5.82 | .... | 6.42 | 6.78 | 6.05 | 7.58 | .... | 7.74 | 8.18 | 7.12 |
| 25 | .... | .... | 5.94 | .... | 6.53 | 7.25 | 6.23 | 7.91 | .... | 7.85 | 8.27 | 8.15 |
| Eom | .... | .... | .... | 5.67 | .... | 7.06 | 6.63 | 8.25 | .... | 7.97 | 8.17 | 6.64 |
| 1966 | | | | | | | | | | | | |
| 5 | 5.19 | 6.22 | 5.79 | 5.63 | e4.46 | 5.70 | 6.58 | 8.66 | 10.07 | .... | .... | 5.61 |
| 10 | 5.23 | 5.82 | 5.04 | 5.88 | 5.07 | 5.88 | 6.81 | 9.08 | 10.45 | e8.08 | 7.36 | 4.50 |
| 15 | 5.48 | 4.95 | 4.70 | 4.89 | 4.68 | 6.11 | 7.11 | 8.94 | 10.55 | 8.12 | 6.64 | 4.52 |
| 20 | 5.69 | 4.93 | 4.85 | 4.99 | 4.63 | 6.30 | 7.44 | 9.09 | 9.51 | e7.79 | 6.74 | 4.70 |
| 25 | 5.87 | 5.25 | 5.16 | 4.58 | 4.78 | 6.54 | 7.86 | 9.36 | .... | .... | 6.80 | .... |
| Eom | 6.09 | 5.28 | 5.37 | 4.21 | 5.36 | 6.39 | 8.27 | 9.76 | .... | .... | 5.71 | .... |
| 1967 | | | | | | | | | | | | |
| 5 | .... | .... | 5.11 | 4.59 | 4.90 | 5.50 | .... | 6.51 | 7.55 | 8.90 | 8.00 | 5.25 |
| 10 | .... | 4.77 | 4.22 | 4.95 | 4.36 | 5.60 | .... | 6.54 | 7.81 | 9.02 | 7.65 | 4.83 |
| 15 | 5.32 | 5.15 | 4.24 | 5.17 | 4.44 | 5.44 | 6.73 | 6.77 | 8.03 | 9.15 | 7.43 | 4.49 |
| 20 | 5.60 | 5.20 | 4.36 | 4.83 | 4.40 | 5.70 | 6.92 | 6.84 | 8.22 | 8.56 | 7.41 | 4.37 |
| 25 | 5.37 | 5.46 | 4.25 | 4.70 | 5.10 | 5.78 | 6.65 | 7.03 | 8.47 | 8.46 | 7.24 | 4.31 |
| Eom | .... | 5.48 | 4.21 | 4.89 | 5.44 | .... | 6.35 | 7.27 | 8.65 | 8.42 | 6.95 | 4.78 |

e Estimated.

h Tape measurement.

Wayne County

394849N0850809.1. Local number We 1. C. E. Rodenberg. Pershing. Dug 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 23.65 below lsd, Mar. 21, 30, 1965; lowest dry, August 27 to October 24, 1966. Records available: 1945-66. Measurement discontinued Oct. 24, 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|----------------|-------------|--------------|-------------|
| Jan. 5, 1963 | 31.44 | May 25, 1963 | 29.66 | Sept. 14, 1963 | 30.88 | Feb. 1, 1964 | 31.78 |
| 12 | 31.48 | June 1 | 29.72 | 21 | 30.95 | 8 | 31.70 |
| 19 | 31.50 | 8 | 29.78 | 28 | 31.01 | 15 | 31.60 |
| Feb. 2 | 31.53 | 15 | 29.85 | Oct. 5 | 31.12 | 22 | 31.60 |
| 16 | 31.58 | 22 | 29.90 | 12 | 31.15 | 29 | 31.62 |
| 23 | 31.60 | 29 | 30.04 | 19 | 31.26 | Mar. 7 | 31.48 |
| Mar. 2 | 31.62 | July 6 | 30.10 | 26 | 31.30 | 14 | 31.15 |
| 9 | 29.81 | 13 | 30.18 | Nov. 2 | 31.40 | 21 | 30.94 |
| 16 | 29.95 | 20 | 30.28 | 9 | 31.40 | 28 | 30.86 |
| 30 | 29.66 | 27 | 30.32 | 16 | 31.48 | Apr. 4 | 30.62 |
| Apr. 6 | 29.55 | Aug. 3 | 30.34 | 23 | 31.50 | 11 | 30.49 |
| 20 | 29.49 | 10 | 30.48 | Dec. 28 | 31.70 | 18 | 30.32 |
| 27 | 29.45 | 17 | 30.56 | Jan. 4, 1964 | 31.90 | 25 | 29.78 |
| May 4 | 29.47 | 24 | 30.60 | 11 | 31.90 | May 2 | 28.39 |
| 11 | 29.54 | 31 | 30.75 | 18 | 31.90 | 9 | 27.88 |
| 18 | 29.59 | Sept. 7 | 30.78 | 25 | 31.90 | 16 | 27.58 |

394849N0850809.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|
| May 23, 1964 | 27.57 | Feb. 6, 1965 | 30.75 | Dec. 20, 1965 | 31.90 | May 23, 1966 | 31.74 |
| 29 | 27.62 | 13 | 29.15 | 27 | 31.94 | 30 | 31.74 |
| June 6 | 27.70 | 23 | 27.40 | Jan. 3, 1966 | 32.02 | June 6 | 31.74 |
| 13 | 29.38 | 28 | 26.65 | 10 | 31.99 | 13 | 31.76 |
| 20 | 28.32 | Mar. 9 | 26.65 | 17 | 32.02 | 20 | 31.76 |
| 27 | 28.34 | 15 | 24.90 | 24 | 32.09 | 27 | 31.83 |
| July 4 | 28.48 | 21 | 23.65 | 31 | 32.13 | July 4 | 32.00 |
| Aug. 25 | 28.93 | 30 | 23.65 | Feb. 11 | 32.39 | 11 | 32.00 |
| Sept. 1 | 29.87 | May 27 | 29.60 | 14 | 32.00 | 18 | 32.02 |
| 5 | 29.62 | June 5 | 29.60 | 21 | 31.96 | 25 | 32.04 |
| 19 | 29.87 | 15 | 29.78 | 21 | 31.90 | Aug. 1 | 32.14 |
| 25 | 29.90 | July 10 | 29.80 | 28 | 31.80 | 8 | 32.16 |
| Oct. 27 | 30.22 | Sept. 27 | 31.13 | Mar. 7 | 31.77 | 15 | 32.19 |
| Nov. 4 | 31.29 | Oct. 4 | 31.28 | 14 | 31.79 | 22 | 32.23 |
| 13 | 31.45 | 11 | 31.35 | 21 | 31.78 | 27 | (f) |
| 19 | 31.47 | 19 | 31.46 | 28 | 31.80 | Sept. 5 | (f) |
| 27 | 31.55 | 25 | 31.47 | Apr. 4 | 31.80 | 12 | (f) |
| Dec. 3 | 31.60 | Nov. 1 | 31.54 | 11 | 31.90 | 19 | (f) |
| 11 | 31.67 | 8 | 31.65 | 18 | 31.90 | 26 | (f) |
| 21 | 31.80 | 15 | 31.68 | 25 | 31.90 | Oct. 3 | (f) |
| Jan. 1, 1965 | 31.80 | 22 | 31.76 | May 2 | 31.20 | 10 | (f) |
| 11 | 30.65 | 29 | 31.83 | 9 | 31.78 | 17 | (f) |
| 23 | 31.65 | Dec. 13 | 31.90 | 16 | 31.75 | 24 | (f) |
| 26 | 32.07 | | | | | | |

f Dry.

394426N0850806.1. Local number We 6. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel, diam 6 in, depth 49 ft. Lsd about 888 ft above msl. MP top of collar, 3.25 ft above lsd. High-st water level 10.85 below lsd, May 16-18, 1967; lowest 20.74 below lsd, Nov. 7, 8, 1966. Records available: 1967-67. Recorder installed Sept. 22, 1966.

Highest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | | | | | | | | | | 20.58 | 20.71 | ..... |
| 10 | | | | | | | | | | 20.60 | 20.60 | ..... |
| 15 | | | | | | | | | | 20.62 | 20.14 | h13.75 |
| 20 | | | | | | | | | | 20.65 | 19.84 | 13.67 |
| 25 | | | | | | | | | | 20.50 | 20.66 | 19.65 |
| Eom | | | | | | | | | | 20.55 | 20.69 | 19.25 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.67 | 15.06 | 15.01 | 13.24 | 13.17 | 12.20 | 12.51 | ..... | ..... | ..... | 18.06 | ..... |
| 10 | 14.87 | 14.89 | 14.20 | 13.10 | 11.55 | 12.56 | 12.81 | ..... | ..... | ..... | ..... | 17.57 |
| 15 | 15.05 | 14.86 | 14.01 | 13.22 | 10.86 | 12.95 | 13.06 | ..... | ..... | ..... | ..... | 17.24 |
| 20 | 15.25 | 14.95 | 14.00 | 13.39 | 10.98 | 13.24 | 13.36 | ..... | ..... | ..... | ..... | 16.91 |
| 25 | 15.39 | 15.07 | 13.54 | 13.46 | 11.47 | 13.47 | 13.64 | ..... | ..... | ..... | ..... | 16.22 |
| Eom | 15.38 | 15.18 | 13.26 | 13.55 | 11.86 | 12.40 | 13.95 | ..... | ..... | 18.00 | ..... | 15.25 |

h Tape measurement.

Wells County

404331N0850647.1. Local number W1 4. U.S. Geol. Survey. Drilled observation artesian well in silty dolomite, diam 6 in, depth 79 ft, cased to 46. Lsd about 830 ft above msl. MP top of shelter floor, 2.35 ft above lsd. Highest water level 19.06 below lsd, May 11, 1967; lowest 23.56 below lsd, Oct. 21, 1967. Records available: 1967.

Highest water level for the day, from recorder graph, 1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | ..... | 21.21 | 21.44 | ..... | 20.50 | 20.76 | 21.72 | 22.52 | 23.04 | 23.35 | 23.37 | e22.22 |
| 10 | h22.63 | 21.36 | 20.96 | ..... | 19.39 | 20.90 | 21.69 | 22.66 | 23.14 | 23.36 | 23.27 | 21.55 |
| 15 | 22.67 | 21.15 | 20.42 | ..... | 19.14 | 21.18 | 21.95 | 22.78 | 23.11 | 23.35 | 23.30 | 21.50 |
| 20 | 22.61 | 21.30 | 20.38 | ..... | 19.65 | 21.44 | 22.03 | 22.78 | 23.09 | 23.37 | ..... | 21.59 |
| 25 | 22.59 | 21.85 | 20.00 | 20.19 | 20.02 | 21.64 | 22.10 | 22.87 | 23.21 | 23.33 | ..... | 20.85 |
| Eom | 21.74 | 21.57 | ..... | 20.17 | 20.46 | 21.50 | 22.34 | 23.01 | 23.21 | 23.39 | ..... | 21.45 |

e Estimated.

h Tape measurement.

Whitley County

410337N0852642.1. Local number Wy 3. U.S. Geol. Survey. Drilled observation artesian well in gravel and sand, diam 6 in, depth 191 ft, cased to 188, screened 188-191. Lsd about 870 ft above msl. MP top of shelter floor, 2.50 ft above lsd. Highest water level 50.77 below lsd, May 11, 1967; lowest 52.59 below lsd, Jan. 18, 1967. Records available: 1966-67. Recorder installed Dec. 19, 1966.

410337N0852642.1--Continued.

| Highest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 52.20 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 52.27 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 52.15 |
| 1967 | | | | | | | | | | | | |
| 5 | 52.14 | 52.03 | 51.92 | 51.48 | 51.31 | 51.14 | 51.40 | 51.64 | 51.98 | 52.03 | 52.22 | e52.26 |
| 10 | 52.22 | 51.91 | 51.91 | 51.46 | 51.08 | 51.05 | 51.33 | 51.73 | 52.02 | 52.00 | 52.21 | ..... |
| 15 | 52.23 | 51.87 | 51.97 | 51.30 | 50.96 | 51.20 | 51.50 | 51.82 | 51.97 | 52.05 | 52.26 | ..... |
| 20 | 52.25 | 52.08 | 51.80 | 51.37 | 51.06 | 51.18 | 51.53 | 51.69 | 51.88 | 52.03 | 52.23 | ..... |
| 25 | 52.20 | 52.24 | 51.74 | 51.33 | 51.00 | 51.26 | 51.46 | 51.84 | 52.00 | 52.02 | 52.05 | ..... |
| Eom | 52.13 | 52.03 | 51.72 | 51.16 | 51.01 | 51.28 | 51.54 | 51.91 | 51.89 | 52.13 | 52.15 | |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

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MAINE

The observation-well program in Maine was continued during the period 1963 through 1967 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 numbered according to their latitude-longitude location, as explained elsewhere in this publication. Local well numbers are also given. The first number in the well description below is according to the Federal well-numbering system for punch cards for the storage and retrieval of ground-water data. The number is based on the latitude and longitude of the well to the nearest second. A sequential number follows the longitude. The local number, which was used in previous reports, consists of an abbreviation of the county name and a serial number 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

440227N0701241.1. Local number An 1. Ernest L. Libby. Auburn. 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 3.30 below lsd, June 18, 1960 (revised); lowest 10.23 below lsd, Nov. 16, 1965. Records available: 1959-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 16, 1963 | 4.52 | Mar. 24, 1964 | 4.61 | June 14, 1965 | 4.34 | Sept. 17, 1966 | 7.58 |
| 31 | 4.42 | Apr. 15 | 4.48 | 28 | 4.59 | 28 | 7.95 |
| Feb. 15 | 4.46 | 27 | 4.50 | July 15 | 5.42 | Oct. 15 | 8.50 |
| Mar. 1 | (j) | May 15 | 4.47 | 28 | 6.32 | 28 | 5.72 |
| 15 | (j) | 29 | 4.51 | Aug. 15 | 7.75 | Nov. 16 | 4.00 |
| 29 | 4.01 | June 15 | 4.62 | 29 | 8.44 | 28 | 3.99 |
| Apr. 15 | 4.26 | 29 | 3.95 | Sept. 14 | 9.02 | Dec. 15 | 3.97 |
| 29 | 4.31 | July 15 | 4.19 | 28 | 9.50 | 28 | 4.09 |
| May 16 | 4.31 | 28 | 4.27 | Oct. 15 | 9.82 | Jan. 16, 1967 | 4.24 |
| 28 | 4.30 | Aug. 15 | 4.33 | 28 | 10.05 | 27 | 4.60 |
| June 2 | 4.40 | 28 | 4.25 | Nov. 16 | 10.23 | Feb. 15 | 5.32 |
| 16 | 4.47 | Sept. 15 | 4.33 | 29 | 4.61 | Mar. 29 | 4.00 |
| 28 | 4.48 | 28 | 4.43 | Dec. 14 | 4.63 | Apr. 16 | 4.08 |
| July 15 | 4.50 | Oct. 15 | 5.34 | 30 | 4.68 | 28 | 4.13 |
| 28 | 4.85 | 28 | 5.30 | Jan. 15, 1966 | 4.97 | May 15 | 4.12 |
| Aug. 15 | 5.31 | Nov. 15 | 5.35 | Feb. 14 | 4.67 | 29 | 4.15 |
| 29 | 5.69 | 27 | 3.73 | 28 | 4.97 | June 15 | 4.35 |
| Sept. 15 | 6.26 | Dec. 15 | 3.92 | Mar. 15 | 4.61 | 29 | 4.13 |
| 28 | 6.82 | 28 | 3.70 | 29 | 4.60 | July 15 | 3.81 |
| Oct. 15 | 7.54 | Jan. 15, 1965 | 4.24 | Apr. 15 | 4.57 | 28 | 4.03 |
| 28 | 8.08 | 28 | 4.64 | 28 | 4.56 | Aug. 15 | 4.22 |
| Nov. 15 | 4.50 | Feb. 14 | 5.09 | May 15 | 4.51 | 28 | 4.32 |
| 29 | 4.50 | 25 | 5.18 | 28 | 4.52 | Sept. 16 | 5.23 |
| Dec. 15 | 4.53 | Mar. 16 | 5.34 | June 15 | 4.72 | 28 | 5.41 |
| 30 | 4.49 | 29 | 5.52 | 29 | 4.66 | Oct. 29 | 5.38 |
| Jan. 16, 1964 | 4.65 | Apr. 15 | 4.97 | July 16 | 4.36 | Nov. 16 | 5.37 |
| 28 | 4.45 | 28 | 4.22 | 29 | 4.85 | 28 | 3.97 |
| Feb. 15 | 4.80 | May 16 | 4.18 | Aug. 15 | 5.63 | Dec. 17 | 4.19 |
| 28 | 5.27 | 28 | 4.20 | 29 | 6.49 | 26 | 4.09 |
| Mar. 15 | 4.60 | | | | | | |

j Frozen.

Aroostook County

464619N0682804.1. Local number Ar 1. H. L. Stevens. Portage Lake. Driven unused water-table well in sand, diam 1½ in, depth 11 ft, screened 8-11. Lsd about 930 ft above msl. MP top of pipe, 2.0 ft above lsd. Highest water level flowing, Dec. 21, 1957; lowest dry several times, 1947-48, 1950, 1952-53, 1955, 1957, 1960, 1964-65, 1967. Records available: 1942-67.

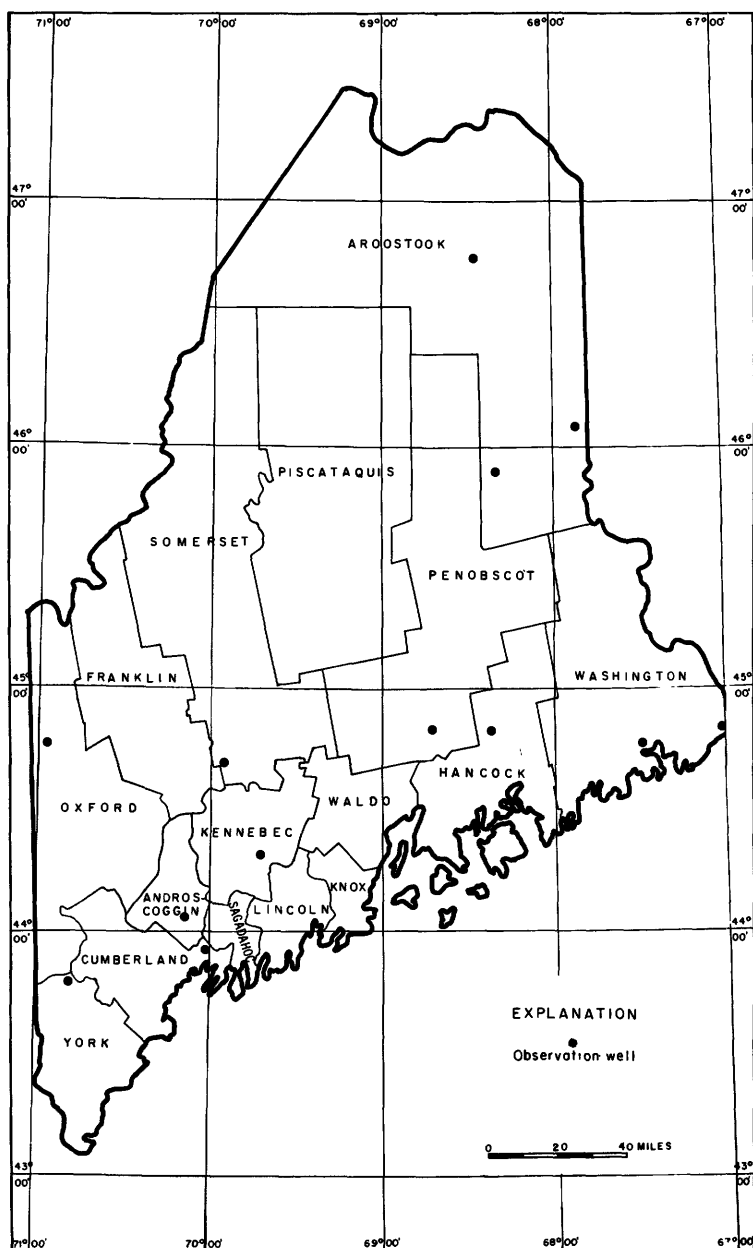


Figure 5.--Location of observation wells in Maine, 1963-67.

464619N0682804.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Feb. 1, 1963 | 5.00 | Apr. 30, 1964 | 1.82 | July 14, 1965 | 7.30 | Oct. 30, 1966 | 3.45 |
| 15 | 5.50 | May 15 | 1.90 | 30 | 8.47 | Nov. 15 | 2.57 |
| 28 | 6.00 | 30 | 3.37 | Aug. 15 | (f) | 30 | 1.40 |
| Mar. 16 | 6.29 | June 16 | 5.16 | 30 | (f) | Dec. 15 | 2.40 |
| 30 | 1.30 | 30 | 6.37 | Sept. 14 | (f) | 31 | 4.60 |
| Apr. 15 | 1.10 | July 16 | 6.55 | Oct. 1 | (f) | Jan. 15, 1967 | 5.60 |
| 30 | .67 | 29 | 6.44 | 15 | 6.88 | 31 | 6.60 |
| May 15 | 1.90 | Aug. 18 | (f) | 30 | 6.74 | Feb. 28 | e8.55 |
| 31 | 3.00 | Sept. 1 | 6.10 | Nov. 15 | 4.50 | Mar. 14 | (f) |
| June 15 | 4.34 | 15 | 5.70 | Dec. 1 | 3.40 | 30 | 5.65 |
| 29 | 5.51 | 30 | 7.34 | 14 | 4.80 | Apr. 14 | 1.31 |
| July 15 | 4.35 | Oct. 15 | 8.80 | 31 | 4.30 | 28 | 1.50 |
| 30 | 5.95 | 29 | 1.70 | Jan. 14, 1966 | 4.86 | May 15 | 1.73 |
| Aug. 14 | 6.80 | Nov. 15 | 3.35 | 31 | 4.49 | 31 | 2.50 |
| 30 | 2.90 | 30 | 1.90 | Mar. 30 | 1.70 | June 15 | 4.37 |
| Sept. 14 | 1.80 | Dec. 15 | 3.28 | Apr. 15 | .61 | 30 | 5.56 |
| 30 | 3.45 | 31 | 2.00 | 30 | 2.10 | July 14 | 6.50 |
| Oct. 14 | 2.89 | Jan. 15, 1965 | 3.73 | May 14 | 4.47 | 29 | 6.90 |
| 30 | 4.40 | 31 | 5.50 | 31 | 3.45 | Aug. 15 | 7.56 |
| Nov. 15 | 1.70 | Feb. 15 | 6.85 | June 14 | 4.80 | 31 | 4.10 |
| Dec. 1 | 1.60 | Mar. 1 | 4.90 | 30 | 6.26 | Sept. 17 | 2.70 |
| 31 | 3.15 | 15 | 3.00 | July 14 | 6.51 | Oct. 1 | 1.75 |
| 31 | 5.80 | 30 | 5.20 | Aug. 1 | 6.70 | 15 | 2.20 |
| Jan. 14, 1964 | 7.50 | Apr. 15 | 1.10 | 15 | 7.83 | 31 | 3.17 |
| 30 | 5.70 | 29 | 2.10 | 31 | e9.1 | Nov. 14 | 3.80 |
| Feb. 28 | (f) | May 16 | 2.80 | Sept. 15 | e9.2 | 29 | 1.90 |
| Mar. 14 | 5.30 | June 1 | 3.10 | Oct. 15 | e9.5 | Dec. 15 | 3.00 |
| 27 | 5.65 | 30 | 6.37 | | e6.4 | 27 | 4.30 |
| Apr. 14 | .00 | | | | | | |

e Estimated.

f Dry.

455611N0681946.1. Local number Ar 2. Truman P. Young. Sherman Mills. 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. Led about 730 (revised) ft above msl. MP horizontal staple in 2- × 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: 1939-66.

No measurement made in 1967.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 31, 1963 | 13.03 | July 31, 1963 | 14.26 | Mar. 28, 1964 | 10.22 | Jan. 31, 1965 | e5.70 |
| Mar. 31 | .88 | Sept. 30 | 10.57 | Apr. 30 | 1.81 | Feb. 27 | 10.22 |
| Apr. 15 | .60 | Oct. 31 | 9.56 | May 31 | e8.22 | Mar. 30 | 6.93 |
| May 15 | 1.58 | Nov. 30 | 1.27 | June 30 | 14.13 | May 30 | 9.23 |
| 31 | 4.66 | Dec. 31 | 10.36 | Aug. 31 | 15.66 | June 30 | 13.73 |
| June 15 | 11.46 | Feb. 15, 1964 | 7.87 | Oct. 31 | 7.71 | Oct. 1 | 14.58 |
| 30 | 13.20 | 29 | 14.45 | Jan. 2, 1965 | 1.18 | Sept. 2, 1966 | 14.63 |
| July 15 | 13.58 | | | | | | |

e Estimated.

460657N0675122.1. Local number Ar 3. Ralph W. Williams. Houlton. Drilled unused artesian well in bedrock, diam 6 in, depth 90 ft, cased with steel. Led 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: 1958-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|--------|
| Jan. 15, 1963 | 15.28 | Jan. 30, 1964 | 16.97 | May 29 | 13.09 | Nov. 28, 1966 | 15.36 |
| Feb. 28 | 20.54 | Feb. 29 | 19.50 | July 31 | 16.55 | Dec. 28 | 15.56 |
| Mar. 15 | 22.12 | Mar. 27 | 16.14 | Aug. 31 | 14.64 | Jan. 28, 1967 | 18.45 |
| Apr. 15 | 11.96 | Apr. 15 | 13.95 | Sept. 15 | 14.73 | Mar. 28 | 18.55 |
| June 15 | 13.98 | June 30 | 15.99 | Nov. 15 | 15.16 | Apr. 30 | e15.70 |
| 30 | 15.85 | July 30 | 16.62 | 30 | 14.26 | May 28 | 13.28 |
| July 30 | 17.26 | Aug. 15 | 18.93 | Jan. 30, 1966 | 18.89 | July 28 | 14.97 |
| Aug. 15 | 14.85 | 30 | 19.94 | Feb. 28 | 18.89 | Aug. 29 | 14.98 |
| Sept. 3 | 13.72 | Oct. 30 | 16.37 | Mar. 15 | 13.47 | Sept. 30 | e13.94 |
| 30 | 14.18 | Nov. 30 | 15.97 | June 15 | 14.95 | Oct. 28 | 13.44 |
| Oct. 15 | 14.18 | Dec. 30 | 13.94 | Aug. 30 | 18.98 | Nov. 30 | e13.02 |
| Nov. 30 | 12.98 | Jan. 31, 1965 | 15.99 | Oct. 28 | 17.96 | Dec. 27 | 13.28 |
| Dec. 31 | 15.93 | Mar. 30 | 13.99 | | | | |

e Estimated.

Cumberland County

435453N0700136.1. Local number C 26. Brunswick and Topsham Water District. Brunswick. Drilled unused public-supply artesian well in stratified glacial drift, diam 12 in, depth 101 ft, screened 81-101. Led 139 ft above msl. MP base of water-level recorder, at lsd. Highest water level 31.95 below lsd, Apr. 10, 1963; lowest 36.41 below lsd, Feb. 10, 1966. Records available: 1958-67.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | 34.43 | 34.03 | 34.00 | 33.72 | 33.87 | 33.98 | 34.03 | 33.95 |
| 10 | | | | | 34.31 | 34.06 | 33.93 | 33.67 | 33.82 | 34.03 | 34.04 | 34.01 |
| 15 | | | | | 34.24 | 33.95 | 33.76 | 33.74 | 33.92 | 34.07 | 34.05 | 33.97 |
| 20 | | | | | 34.16 | 34.05 | 33.76 | 33.85 | 33.96 | 34.13 | 34.07 | 34.00 |
| 25 | | | | | 34.13 | 33.91 | 33.72 | 33.73 | 33.97 | 34.09 | 34.08 | 34.07 |
| Eom | | | | 34.68 | 34.14 | 33.97 | 33.68 | 33.78 | 34.01 | 34.05 | 34.08 | 34.13 |

435453N0700136.1--Continued.

| 1959 | | | | | | | | | | | | |
|------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 34.10 | 34.07 | 34.37 | 33.37 | 33.73 | 34.12 | 34.36 | 34.56 | 34.84 | 35.00 | 34.98 | 34.66 |
| 10 | 34.17 | 34.11 | 34.05 | 33.41 | 33.79 | 34.16 | 34.38 | 34.61 | 34.84 | 35.05 | ..... | 34.58 |
| 15 | 34.18 | 34.14 | 33.90 | 33.44 | 33.85 | 34.21 | 34.41 | 34.66 | 34.87 | 35.02 | ..... | 34.42 |
| 20 | 34.18 | ..... | 33.83 | 33.53 | 33.93 | 34.25 | 34.44 | 34.70 | 34.91 | ..... | ..... | 34.37 |
| 25 | 34.15 | ..... | 33.60 | 33.61 | 33.99 | 34.30 | 34.46 | 34.75 | 34.94 | ..... | ..... | ..... |
| Fom | 34.12 | 34.26 | 33.48 | 33.68 | 34.07 | 34.33 | 34.51 | 34.81 | 34.98 | 34.92 | 34.75 | 34.32 |
| 1960 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | 33.15 | 33.07 | 32.53 | 32.52 | 32.63 | 32.85 | 33.00 | 33.06 | 33.25 |
| 10 | ..... | ..... | ..... | 32.95 | 33.03 | 32.54 | 32.55 | 32.66 | 32.88 | 33.02 | 33.07 | 33.26 |
| 15 | ..... | ..... | ..... | 32.94 | 32.88 | 32.54 | 32.58 | 32.70 | 32.89 | 33.10 | 33.10 | 33.26 |
| 20 | ..... | ..... | ..... | 32.98 | 32.77 | 32.52 | 32.59 | 32.72 | 32.89 | 33.12 | 33.14 | 33.20 |
| 25 | ..... | ..... | ..... | 33.01 | 32.69 | 32.50 | 32.62 | 32.75 | 32.94 | 33.10 | 33.19 | 33.14 |
| Fom | 34.38 | 34.00 | 33.70 | 33.04 | 32.59 | 32.50 | 32.63 | 32.79 | 32.95 | 33.13 | 33.22 | 33.14 |
| 1961 | | | | | | | | | | | | |
| 5 | 33.17 | 33.53 | 33.97 | 32.70 | 32.46 | 32.50 | 32.46 | 32.69 | 32.95 | 33.05 | 33.38 | 33.23 |
| 10 | 33.25 | 33.57 | 33.65 | 32.69 | 32.47 | 32.50 | 32.49 | 32.72 | 32.99 | 33.12 | 33.37 | 33.25 |
| 15 | 33.30 | 33.60 | 33.20 | 32.61 | 32.50 | 32.46 | 32.53 | 32.77 | 33.04 | 33.15 | 33.41 | 33.29 |
| 20 | 33.33 | 33.61 | 33.22 | 32.47 | 32.51 | 32.45 | 32.54 | 32.82 | 33.08 | 33.19 | 33.42 | 33.33 |
| 25 | 33.41 | 33.46 | 33.22 | 32.39 | 32.49 | 32.44 | 32.58 | 32.86 | 33.09 | 33.27 | 33.31 | 33.34 |
| Fom | 33.49 | 33.10 | 32.85 | 32.43 | 32.50 | 32.42 | 32.63 | 32.90 | 33.07 | 33.30 | 33.22 | 33.43 |
| 1962 | | | | | | | | | | | | |
| 5 | 33.43 | 33.58 | 33.84 | 33.12 | 33.16 | 33.28 | 33.45 | 33.64 | 33.88 | 34.12 | e33.66 | ..... |
| 10 | 33.44 | 33.65 | 33.85 | 33.09 | 33.14 | 33.30 | 33.48 | 33.69 | 33.93 | 33.55 | ..... | 33.00 |
| 15 | 33.47 | 33.69 | 33.85 | 33.09 | 33.17 | 33.32 | 33.53 | 33.73 | 33.96 | 33.51 | ..... | ..... |
| 20 | 33.49 | 33.73 | 33.80 | 33.09 | 33.16 | 33.36 | 33.53 | 33.77 | 34.00 | 33.54 | ..... | ..... |
| 25 | 33.46 | 33.79 | 33.63 | 33.14 | 33.18 | 33.40 | 33.56 | 33.82 | 34.05 | 33.57 | ..... | ..... |
| Fom | 33.50 | 33.82 | 33.32 | 33.22 | 33.24 | 33.41 | 33.61 | 33.85 | 34.09 | 33.62 | ..... | ..... |
| 1963 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | 32.03 | 32.02 | 32.25 | 32.35 | ..... | ..... | ..... | 32.30 |
| 10 | ..... | ..... | ..... | 31.95 | ..... | 31.97 | 32.30 | 32.37 | ..... | ..... | ..... | 32.30 |
| 15 | ..... | ..... | ..... | 32.01 | 32.02 | 32.15 | ..... | 32.40 | ..... | ..... | ..... | ..... |
| 20 | 32.87 | ..... | ..... | 32.08 | 32.02 | 32.18 | 32.22 | 32.44 | ..... | ..... | 32.40 | ..... |
| 25 | ..... | ..... | ..... | 32.17 | 32.04 | 32.21 | 32.29 | ..... | ..... | 33.08 | 32.34 | ..... |
| Fom | ..... | ..... | ..... | 32.14 | 32.02 | 32.23 | 32.34 | ..... | ..... | 33.02 | 32.32 | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 32.14 | ..... | 32.25 | 32.17 | 32.39 | 32.64 | 32.97 | 33.14 | 33.43 | 33.72 | 33.90 |
| 10 | ..... | ..... | 32.24 | 32.23 | 32.16 | 32.40 | 32.76 | ..... | 33.19 | 33.47 | 33.76 | 33.92 |
| 15 | ..... | ..... | 32.28 | 32.19 | 32.24 | 32.44 | 32.81 | 32.98 | 33.25 | 33.53 | 33.80 | 33.96 |
| 20 | 32.53 | ..... | 32.35 | 32.15 | 32.28 | 32.52 | 32.85 | 33.01 | 33.29 | 33.61 | 33.84 | 34.00 |
| 25 | 32.28 | ..... | 32.35 | 32.13 | 32.29 | 32.56 | 32.87 | 33.06 | 33.33 | 33.62 | 33.86 | 33.98 |
| Fom | 32.15 | ..... | 32.24 | 32.17 | 32.36 | 32.59 | 32.90 | 33.10 | 33.38 | 33.67 | 33.88 | 33.84 |
| 1965 | | | | | | | | | | | | |
| 5 | 33.88 | 34.32 | 33.43 | 34.08 | 34.27 | 34.56 | 34.83 | 35.15 | 35.40 | 35.64 | 35.92 | 35.88 |
| 10 | 33.95 | 34.07 | 33.36 | 34.14 | 34.30 | 34.59 | 34.87 | 35.20 | 35.45 | 35.69 | 35.94 | 35.94 |
| 15 | 34.02 | 34.00 | 33.55 | 34.18 | 34.35 | 34.65 | 34.91 | 35.24 | 35.49 | 35.74 | 35.95 | 35.95 |
| 20 | 34.09 | 34.07 | 33.74 | 34.20 | 34.41 | 34.68 | 34.96 | 35.31 | 35.54 | 35.78 | 35.95 | 36.00 |
| 25 | 34.15 | 34.13 | 33.86 | 34.20 | 34.45 | 34.73 | 35.00 | 35.34 | 35.59 | 35.82 | 35.97 | 36.05 |
| Fom | 34.30 | 33.95 | 33.98 | 34.21 | 34.51 | 34.78 | 35.10 | 35.35 | 35.62 | 35.87 | 35.91 | 36.10 |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | 36.40 | 36.01 | 35.28 | 35.54 | 35.68 | 35.76 | 36.00 | 36.09 | 36.24 | 35.93 | 35.83 |
| 10 | ..... | 36.41 | e35.83 | 35.36 | 35.58 | 35.68 | 35.80 | 36.04 | 36.10 | 36.26 | 35.76 | 35.78 |
| 15 | ..... | 36.32 | 35.73 | 35.40 | 35.61 | 35.70 | 35.83 | 36.08 | 36.10 | 36.32 | 35.77 | 35.78 |
| 20 | ..... | 36.36 | 35.69 | 35.48 | 35.61 | 35.72 | 35.88 | 36.12 | 36.13 | 36.29 | 35.82 | 35.77 |
| 25 | ..... | 36.35 | 35.63 | 35.47 | 35.61 | 35.73 | 35.92 | 36.07 | 36.19 | 36.21 | 35.78 | 35.78 |
| Fom | 36.30 | 36.28 | 35.25 | 35.51 | 35.65 | 35.74 | 35.95 | 36.08 | 36.22 | 36.21 | 35.76 | 35.77 |
| 1967 | | | | | | | | | | | | |
| 5 | 35.80 | 35.90 | 36.05 | 35.22 | 34.39 | 34.12 | 33.66 | 33.61 | 33.74 | 33.86 | 34.07 | 34.05 |
| 10 | 35.81 | 35.93 | 36.10 | 34.94 | 34.31 | 34.10 | 33.60 | 33.62 | 33.79 | 33.88 | 34.12 | 33.94 |
| 15 | 35.81 | 35.92 | 36.13 | 34.81 | 34.22 | 34.11 | 33.62 | 33.64 | 33.81 | 33.90 | 34.11 | 33.84 |
| 20 | 35.86 | 35.94 | 36.17 | 34.66 | 34.17 | 34.07 | 33.61 | 33.64 | 33.81 | 33.92 | 34.14 | 33.82 |
| 25 | 35.87 | 35.96 | 36.17 | 34.45 | 34.15 | 33.80 | 33.56 | 33.69 | 33.86 | 33.97 | 34.15 | 33.86 |
| Fom | 35.88 | 36.04 | 35.94 | 34.37 | 34.13 | 33.66 | 33.61 | 33.70 | 33.86 | 34.06 | 34.21 | 33.90 |

e Estimated.

e Estimated.

Hancock County

444950N0682206.1. Local number H 1. Norman Salisbury. Formerly Mrs. George C. Orcutt. Amherst. Dug under 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, 1964-66. Records available: 1943-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 13, 1963 | 5.60 | July 16, 1963 | 9.60 | Nov. 16, 1963 | 4.80 | June 30, 1964 | 10.60 |
| Feb. 2 | 8.50 | Aug. 1 | 11.30 | Jan. 21, 1964 | 6.70 | July 15 | 11.70 |
| Apr. 5 | 3.30 | 14 | 11.90 | Mar. 1 | 8.87 | Aug. 1 | 12.81 |
| 28 | 4.33 | Sept. 1 | 11.30 | 24 | 6.40 | 15 | 13.50 |
| May 14 | 4.52 | 17 | 12.20 | May 1 | 5.25 | Sept. 1 | (f) |
| June 1 | 5.80 | 30 | 12.20 | 30 | 7.47 | Nov. 20 | 13.86 |
| 16 | 7.10 | Oct. 14 | 11.83 | June 12 | 8.79 | Mar. 24, 1965 | 5.92 |
| July 1 | 8.66 | Nov. 1 | 9.10 | 15 | 8.20 | Apr. 15 | 6.10 |

444950N0682206.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|----------------|-------------|--------------|-------------|
| Apr. 27, 1965 | 4.80 | Dec. 27, 1965 | 6.90 | Sept. 16, 1966 | e14.40 | May 13, 1967 | 3.90 |
| May 15 | 6.10 | Jan. 17, 1966 | 7.00 | 27 | e14.40 | 28 | 4.90 |
| 29 | 6.60 | 27 | 7.10 | Oct. 17 | 13.60 | June 15 | 6.50 |
| June 15 | 8.10 | Feb. 19 | 6.10 | 31 | 10.40 | 28 | 6.00 |
| 27 | 9.60 | Mar. 15 | 4.70 | Nov. 15 | 4.90 | July 14 | 6.90 |
| July 15 | 11.20 | Apr. 1 | 4.40 | 28 | 5.60 | 29 | 8.00 |
| 27 | 12.30 | 14 | 4.90 | Dec. 15 | 5.50 | Aug. 15 | 9.70 |
| Aug. 15 | 13.90 | May 3 | 6.20 | 31 | e5.50 | 29 | 10.00 |
| 27 | (f) | 15 | 6.50 | Jan. 12, 1967 | 5.50 | Sept. 14 | 9.30 |
| Sept. 15 | (f) | 28 | 6.90 | 28 | 5.60 | 27 | 8.70 |
| 27 | (f) | June 14 | 7.80 | Feb. 16 | 5.60 | Oct. 15 | 5.90 |
| Oct. 15 | (f) | 27 | 8.90 | Mar. 2 | j,e7.60 | 29 | 6.20 |
| 27 | (f) | July 14 | 10.70 | 15 | 9.60 | Nov. 17 | 6.50 |
| Nov. 15 | (f) | 27 | 11.50 | 27 | 8.90 | 28 | 4.80 |
| 27 | 10.10 | Aug. 14 | 12.10 | Apr. 14 | 4.40 | Dec. 15 | 3.70 |
| Dec. 13 | 6.10 | 27 | 13.10 | 29 | 4.90 | 26 | 4.70 |

e Estimated.

f Dry.

j Frozen.

Kennebec County

441849N0694420.1. Local number K 52. Walter Panek. Augusta. Dug unused water-table well in glacial till, diam 36 in, depth 22 ft. Lsd about 220 ft above msl. MP top of floor of shelter house, at lsd. Highest water level 3.46 below lsd, Nov. 30, 1963; lowest 14.29 below lsd, Oct. 31, 1963. Records available: 1960-67.

| | | | | | | | |
|--------------|------|---------------|-------|--------------|-------|----------------|-------|
| Dec. 7, 1960 | 4.85 | Nov. 30, 1961 | 4.49 | Aug. 1, 1963 | 9.49 | Sept. 30, 1964 | 7.32 |
| 14 | 5.70 | Dec. 5 | 4.00 | Sept. 3 | 11.43 | Oct. 19 | 8.48 |
| 16 | 5.82 | 28 | 6.13 | 30 | 13.04 | Nov. 2 | 5.52 |
| 19 | 4.65 | Jan. 1, 1962 | 5.12 | Oct. 31 | 14.29 | 16 | 5.85 |
| 21 | 4.93 | 15 | 6.66 | Nov. 30 | 3.46 | 24 | 5.05 |
| 28 | 5.51 | 17 | 6.05 | Dec. 2 | 4.24 | 27 | 3.85 |
| Jan. 4, 1961 | 6.17 | Feb. 1 | 7.22 | 9 | 4.84 | 29 | 4.40 |
| 11 | 6.60 | 28 | 8.83 | 10 | 4.00 | 30 | 4.18 |
| 17 | 7.21 | Mar. 17 | e9.50 | Jan. 1, 1964 | 6.28 | Dec. 25 | 6.06 |
| 28 | 7.66 | Apr. 1 | 3.85 | 21 | 7.63 | 31 | 4.61 |
| Feb. 3 | 7.99 | May 1 | 4.00 | 26 | 7.30 | Feb. 1, 1965 | 7.70 |
| 10 | 8.37 | 31 | 5.72 | 31 | 5.32 | Mar. 1 | 7.48 |
| 17 | 8.59 | July 2 | 7.28 | Mar. 1 | 7.50 | 8 | 5.26 |
| 22 | 8.64 | Aug. 2 | 6.47 | 6 | 4.58 | 31 | 6.75 |
| Mar. 1 | 7.14 | 31 | 8.84 | 20 | 5.82 | Apr. 5 | 7.00 |
| 4 | 6.29 | Oct. 1 | 10.54 | 28 | 4.77 | 10 | 7.24 |
| 11 | 5.65 | 30 | 4.54 | 30 | 4.92 | 15 | 6.80 |
| 19 | 5.81 | Dec. 2 | 5.02 | Apr. 5 | 5.33 | 18 | 4.05 |
| 26 | 4.97 | 7 | 3.70 | 9 | 4.07 | 20 | 4.25 |
| Apr. 2 | 3.91 | 31 | 6.44 | 13 | 4.50 | 25 | 4.35 |
| 9 | 4.46 | Jan. 20, 1963 | 7.60 | 15 | 3.69 | 30 | 4.40 |
| 16 | 4.04 | Feb. 4 | 7.17 | 21 | 4.50 | May 3 | 4.75 |
| 23 | 4.35 | Mar. 1 | 7.97 | 25 | 4.44 | 17 | 5.55 |
| 30 | 4.53 | 12 | 8.25 | 30 | 4.85 | 23 | 5.30 |
| May 15 | 5.00 | Apr. 1 | 4.01 | May 14 | 5.88 | June 1 | 5.97 |
| 22 | 5.58 | 21 | 4.64 | 20 | 5.67 | 30 | 7.82 |
| 29 | 4.28 | 30 | 4.82 | June 1 | 6.18 | Aug. 2 | 10.14 |
| June 15 | 5.47 | May 2 | 3.52 | 30 | 7.38 | Sept. 1 | 12.44 |
| July 3 | 6.12 | 11 | 5.00 | July 14 | 6.01 | Oct. 1 | 14.20 |
| 22 | 5.62 | 14 | 4.48 | 21 | 5.98 | Nov. 1 | 14.11 |
| 31 | 6.38 | 17 | 4.75 | 25 | 5.00 | 30 | 4.74 |
| Aug. 31 | 8.84 | 18 | 5.00 | Aug. 3 | 5.93 | Dec. 5 | 3.75 |
| Oct. 2 | 9.71 | 22 | 4.65 | 23 | 6.95 | 25 | 5.75 |
| 29 | 6.08 | 31 | 5.50 | Sept. 1 | 8.93 | 27 | 5.30 |
| Nov. 5 | 6.50 | July 1 | 8.04 | | | | |

e Estimated.

Mean water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|-------|-------|-------|------|------|
| 5 | 5.45 | 7.43 | 4.85 | 4.55 | 5.73 | 6.40 | 7.42 | ..... | 11.75 | 13.08 | 4.13 | 4.50 |
| 10 | 5.85 | 7.75 | 4.75 | 4.53 | 5.70 | 6.60 | 7.70 | ..... | 11.98 | 13.12 | 4.27 | 4.17 |
| 15 | 6.23 | 7.00 | 4.83 | 4.80 | 5.25 | 6.13 | 8.03 | ..... | 12.24 | 13.10 | 4.35 | 4.65 |
| 20 | 6.53 | 6.52 | 4.10 | 5.20 | 5.30 | 6.15 | 8.42 | ..... | 12.49 | 12.60 | 4.57 | 5.05 |
| 25 | 6.83 | 6.45 | 3.52 | 5.43 | 5.25 | 6.60 | 8.80 | ..... | 12.75 | 10.95 | 4.90 | 5.38 |
| Eom | 7.10 | 6.38 | 4.55 | 5.72 | 5.88 | 7.00 | 9.23 | 11.47 | 12.99 | 9.88 | 4.64 | 5.67 |
| 1967 | | | | | | | | | | | | |
| 5 | 6.04 | 7.20 | 8.10 | .... | 4.55 | 5.95 | 5.32 | 6.94 | 6.32 | 5.78 | 4.95 | 4.35 |
| 10 | 6.43 | 7.45 | 8.33 | .... | 4.25 | 6.32 | 5.25 | 7.06 | 6.53 | 5.65 | 5.10 | 5.20 |
| 15 | 6.72 | 7.60 | 7.50 | .... | 4.40 | 6.75 | 5.58 | 7.34 | 6.50 | 5.65 | 5.32 | 4.97 |
| 20 | 6.75 | 7.73 | 6.95 | .... | 4.87 | 7.02 | 5.78 | 7.39 | 6.87 | 5.62 | 5.17 | 5.58 |
| 25 | 6.92 | 7.77 | 6.80 | .... | 5.28 | 4.18 | 6.20 | 6.94 | 7.20 | 5.66 | 4.27 | 5.95 |
| Eom | 7.05 | 7.93 | 4.22 | 4.82 | 5.50 | 5.04 | 6.77 | 6.52 | 7.12 | 5.09 | 4.90 | 6.42 |

Oxford County

444637N0705523.1. Local number O 400. Union Water Power Co. Middle Dam, Lower Richardson Lake.

Dug domestic water-table well in glacial till, diam 24 in, depth 15 ft. Lsd about 1,450 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 0.2 below lsd, May 20, 1948, Apr. 30, 1961, Apr. 16, 1967; lowest 12.2 below lsd, Oct. 9, 16, 23, 1966. Records available: 1944-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|---------------|-------------|----------------|-------------|
| Apr. 2, 1944 | 3.8 | Sept. 30, 1945 | 4.7 | Mar. 30, 1947 | 3.3 | Sept. 26, 1948 | 9.5 |
| 9 | 3.3 | Oct. 7 | 2.2 | Apr. 6 | 3.5 | Oct. 3 | 9.0 |
| 19 | .5 | 14 | 2.8 | 13 | 3.0 | 10 | 8.5 |
| 23 | .8 | 21 | 3.0 | 20 | 3.3 | 17 | 8.0 |
| 30 | 1.0 | 28 | 2.7 | 27 | 3.0 | 24 | 7.5 |
| May 7 | 1.3 | Nov. 4 | 2.0 | May 4 | 3.0 | 31 | 7.0 |
| 14 | 1.3 | 11 | 2.3 | 11 | 3.0 | Nov. 7 | 6.0 |
| 21 | 3.4 | 18 | 2.0 | 18 | 3.0 | 14 | 5.5 |
| 28 | 4.6 | 25 | 1.8 | 25 | 3.0 | 21 | 5.5 |
| June 4 | 5.4 | Dec. 2 | 2.2 | June 1 | 3.0 | 28 | 5.5 |
| 11 | 5.9 | 9 | 1.8 | 8 | 3.0 | Dec. 5 | 5.0 |
| 18 | 6.8 | 16 | 2.0 | 15 | 3.1 | 12 | 5.0 |
| 25 | 3.9 | 23 | 2.2 | 22 | 3.0 | 19 | 5.0 |
| July 2 | 4.7 | 30 | 2.8 | 29 | 4.5 | 26 | 5.0 |
| 9 | 6.4 | Jan. 6, 1946 | 2.8 | July 6 | 4.5 | Jan. 2, 1949 | 4.0 |
| 16 | 6.0 | 13 | 3.7 | 13 | 5.0 | 9 | 3.5 |
| 23 | 6.5 | 20 | 3.8 | 20 | 5.5 | 16 | 4.5 |
| 30 | 6.5 | 27 | 4.7 | 27 | 6.0 | 23 | 4.5 |
| Aug. 6 | 6.3 | Feb. 3 | 5.5 | Aug. 3 | 6.5 | 30 | 5.0 |
| 13 | 7.2 | 10 | 6.2 | 10 | 6.5 | Feb. 20 | 7.0 |
| 20 | 7.3 | 17 | 6.2 | 17 | 6.5 | 27 | 7.2 |
| 27 | 7.7 | 24 | 6.5 | 24 | 7.0 | Mar. 6 | 7.3 |
| Sept. 3 | 7.5 | Mar. 3 | 7.8 | 31 | 6.5 | 13 | 7.7 |
| 10 | 7.8 | 10 | 7.2 | Sept. 7 | 7.0 | 20 | 7.8 |
| 17 | 8.5 | 17 | 1.0 | 14 | 7.2 | 27 | 4.0 |
| 24 | 7.9 | 24 | 1.0 | 21 | 7.5 | Apr. 3 | 1.5 |
| Oct. 1 | 7.5 | 31 | 1.0 | 28 | 7.0 | 10 | 2.3 |
| 8 | 7.3 | Apr. 7 | 1.0 | Oct. 5 | 7.0 | 17 | 1.5 |
| 15 | 7.1 | 14 | 1.2 | 12 | 6.5 | 24 | 1.5 |
| 22 | 5.1 | 21 | 1.2 | 19 | 7.0 | May 1 | 2.0 |
| 29 | 4.7 | 28 | 1.7 | 26 | 7.3 | 8 | 2.0 |
| Nov. 5 | 4.0 | May 5 | 1.5 | Nov. 2 | 7.5 | 15 | 2.3 |
| 12 | 2.5 | 12 | 1.1 | 9 | 8.0 | 22 | 2.5 |
| 19 | 2.7 | 19 | 1.1 | 16 | 6.5 | 29 | 2.2 |
| 26 | 3.7 | 26 | 1.3 | 23 | 6.0 | June 5 | 2.9 |
| Dec. 3 | 2.8 | June 2 | 2.5 | 30 | 5.5 | 12 | 4.3 |
| 10 | 2.8 | 9 | 1.7 | Dec. 7 | 5.5 | 19 | 5.0 |
| 17 | 3.0 | 16 | 3.7 | 14 | 5.5 | 26 | 3.5 |
| 24 | 3.3 | 23 | 4.0 | 21 | 5.7 | July 3 | 5.0 |
| 31 | 3.8 | 30 | 5.0 | 28 | 5.5 | 10 | 4.6 |
| Jan. 7, 1945 | 2.8 | July 7 | 5.5 | Jan. 4, 1948 | 5.5 | 17 | 5.0 |
| 14 | 2.8 | 14 | 5.8 | 11 | 5.5 | 24 | 5.3 |
| 21 | 3.3 | 21 | 6.0 | 18 | 5.7 | 31 | 6.0 |
| 28 | 3.8 | 28 | 6.4 | 25 | 6.0 | Aug. 7 | 7.0 |
| Feb. 4 | 4.5 | Aug. 4 | 7.2 | Feb. 1 | 6.0 | 14 | 7.3 |
| 11 | 5.0 | 11 | 7.5 | 8 | 6.0 | 21 | 7.5 |
| 18 | 5.3 | 18 | 8.0 | 15 | 6.0 | 28 | 8.0 |
| 25 | 5.3 | 25 | 7.8 | 22 | 5.7 | Sept. 4 | 9.0 |
| Mar. 4 | 5.5 | Sept. 1 | 6.5 | 29 | 5.7 | 11 | 10.0 |
| 11 | 5.5 | 8 | 6.8 | Mar. 7 | 5.7 | 18 | 10.5 |
| 18 | 4.3 | 15 | 7.0 | 14 | 5.5 | 25 | 11.0 |
| 25 | 2.2 | 22 | 7.5 | 21 | 4.3 | Oct. 2 | 11.3 |
| Apr. 1 | 1.0 | 29 | 7.8 | 28 | 4.3 | 9 | 11.5 |
| 8 | 1.5 | Oct. 6 | 6.7 | Apr. 4 | 1.5 | 16 | 11.5 |
| 15 | 1.8 | 13 | 6.8 | 11 | 1.5 | 23 | 11.6 |
| 22 | 2.5 | 20 | 7.0 | 18 | 1.5 | 30 | 11.2 |
| 29 | .5 | 27 | 7.1 | 25 | 1.5 | Nov. 6 | 10.8 |
| May 6 | 1.2 | Nov. 3 | 6.6 | May 2 | 2.3 | 13 | 10.2 |
| 13 | .8 | 10 | 6.3 | 9 | 3.0 | 20 | 10.2 |
| 20 | .2 | 17 | 7.0 | 16 | 2.0 | 27 | 9.5 |
| 27 | .8 | 24 | 7.7 | 23 | 2.0 | Dec. 4 | 9.2 |
| June 3 | 1.2 | Dec. 1 | 7.2 | 30 | 2.0 | 11 | 8.7 |
| 10 | 2.5 | 8 | 7.2 | June 6 | 2.5 | 18 | 8.7 |
| 17 | 3.0 | 15 | 7.0 | 13 | 2.0 | 25 | 8.5 |
| 24 | 3.6 | 22 | 7.0 | 20 | 4.0 | Jan. 1, 1950 | 8.3 |
| July 1 | 4.8 | 29 | 8.0 | 27 | 4.5 | 8 | 8.2 |
| 8 | 6.5 | Jan. 5, 1947 | 7.6 | July 4 | 5.0 | 15 | 7.7 |
| 15 | 6.2 | 12 | 7.6 | 11 | 5.3 | 22 | 7.6 |
| 22 | 5.8 | 19 | 7.5 | 18 | 5.5 | 29 | 7.3 |
| 29 | 7.0 | 26 | 7.0 | 23 | 5.5 | Feb. 5 | 7.3 |
| Aug. 5 | 6.7 | Feb. 2 | 7.2 | Aug. 1 | 5.8 | 12 | 7.2 |
| 12 | 6.8 | 9 | 2.0 | 8 | 5.7 | 19 | 7.2 |
| 19 | 6.8 | 16 | 2.5 | 15 | 5.8 | 26 | 7.1 |
| 26 | 6.8 | 23 | 3.5 | 22 | 6.0 | Mar. 5 | 7.1 |
| Sept. 2 | 5.8 | Mar. 2 | 5.0 | 29 | 6.0 | 12 | 7.1 |
| 9 | 6.2 | 9 | 7.0 | Sept. 5 | 6.0 | 19 | 7.1 |
| 16 | 6.5 | 16 | 4.5 | 12 | 6.5 | 26 | 7.0 |
| 23 | 6.8 | 23 | 3.5 | 19 | 7.0 | Apr. 2 | 4.5 |

444637N0705523.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|--------------|-------------|
| Apr. 9, 1950 | 4.0 | Nov. 18, 1951 | 4.5 | June 7, 1953 | 2.0 | Jan. 2, 1955 | 2.6 |
| 16 | 2.5 | 25 | 4.3 | 14 | 2.3 | 9 | 3.2 |
| 23 | 2.0 | Dec. 2 | 5.0 | 21 | 3.0 | 16 | 3.2 |
| 30 | 2.0 | 9 | 4.5 | 28 | 3.3 | 23 | 3.8 |
| May 7 | 2.0 | 16 | 4.7 | July 5 | 5.5 | 30 | 4.1 |
| 14 | 2.2 | 23 | 5.0 | 12 | 6.2 | Feb. 6 | 4.4 |
| 21 | 3.3 | 30 | 5.0 | 19 | 6.5 | 13 | 4.5 |
| 28 | 4.0 | Jan. 6, 1952 | 5.3 | 26 | 7.0 | 20 | 4.7 |
| June 4 | 3.5 | 13 | 5.5 | Aug. 2 | 7.5 | 27 | 3.0 |
| 11 | 3.5 | 20 | 5.4 | 9 | 7.8 | Mar. 6 | 3.0 |
| 18 | 4.3 | 27 | 5.7 | 16 | 8.0 | 13 | 3.0 |
| 25 | 5.0 | Feb. 3 | 6.0 | 23 | 8.0 | 20 | 3.0 |
| July 2 | 3.7 | 10 | 6.0 | 30 | 8.3 | 27 | 3.0 |
| 9 | 4.5 | 17 | 6.5 | Sept. 6 | 9.0 | Apr. 3 | 3.0 |
| 16 | 4.7 | 24 | 6.7 | 13 | 8.5 | 10 | 3.0 |
| 23 | 6.0 | Mar. 2 | 6.8 | 20 | 8.3 | 17 | 3.0 |
| 30 | 6.2 | 9 | 6.8 | 27 | 9.0 | 24 | 3.0 |
| Aug. 6 | 6.3 | 16 | 6.8 | Oct. 4 | 9.0 | May 1 | 3.0 |
| 13 | 7.0 | 23 | 6.8 | 11 | 9.0 | 8 | 2.8 |
| Sept. 3 | 7.5 | 30 | 6.0 | 18 | 9.3 | 15 | 2.8 |
| 10 | 7.7 | Apr. 6 | 2.5 | 25 | 11.5 | 22 | 2.8 |
| 17 | 8.3 | 13 | 2.0 | Nov. 1 | 11.0 | 29 | 2.8 |
| 24 | 8.0 | 20 | 1.5 | 8 | 10.5 | June 5 | 2.8 |
| Oct. 1 | 7.8 | 27 | 2.0 | 15 | 11.0 | 12 | 2.8 |
| 8 | 7.8 | May 4 | 2.3 | 22 | 10.0 | 19 | 2.8 |
| 15 | 7.3 | 11 | 2.5 | 29 | 9.3 | 26 | 2.8 |
| 22 | 7.0 | 18 | 2.7 | Dec. 6 | 8.0 | July 3 | 2.8 |
| Nov. 5 | 8.0 | 25 | 2.5 | 13 | 7.5 | 10 | 3.5 |
| 12 | 7.8 | June 1 | 2.5 | 20 | 7.0 | 17 | 4.2 |
| 19 | 8.0 | 8 | 3.0 | 27 | 6.8 | 24 | 4.5 |
| 26 | 1.5 | 15 | 3.5 | Jan. 3, 1954 | 6.5 | 31 | 5.0 |
| Dec. 3 | 1.8 | 22 | 3.5 | 10 | 6.3 | Aug. 7 | 5.2 |
| 10 | 1.5 | 29 | 4.0 | 17 | 6.0 | 14 | 5.2 |
| 17 | 2.0 | July 6 | 6.0 | 24 | 5.7 | 21 | 4.7 |
| 24 | 2.3 | 13 | 6.5 | 31 | 5.5 | 28 | 4.7 |
| 31 | 2.7 | 20 | 6.7 | Feb. 7 | 5.5 | Sept. 4 | 4.7 |
| Jan. 7, 1951 | 3.0 | 27 | 7.0 | 14 | 5.5 | 11 | 4.7 |
| 14 | 3.3 | Aug. 3 | 7.5 | 21 | 5.3 | 18 | 4.7 |
| 21 | 4.0 | 10 | 8.0 | 28 | 5.0 | 25 | 7.8 |
| 28 | 4.3 | 17 | 8.0 | Mar. 7 | 5.0 | Oct. 2 | 8.0 |
| Feb. 4 | 4.5 | 24 | 8.0 | 14 | 4.0 | 9 | 8.5 |
| 11 | 2.5 | 31 | 8.3 | 21 | 3.5 | 16 | 9.0 |
| 18 | 2.7 | Sept. 7 | 8.3 | 28 | 3.5 | 23 | 9.0 |
| 25 | 3.2 | 14 | 9.0 | Apr. 4 | 3.3 | 30 | 9.2 |
| Mar. 4 | 3.5 | 21 | 9.0 | 11 | 3.0 | Nov. 6 | 9.3 |
| 11 | 3.5 | 28 | 8.7 | 18 | 2.7 | 13 | 5.5 |
| 18 | 3.0 | Oct. 5 | 8.0 | 25 | .5 | 20 | 5.0 |
| 25 | 3.0 | 12 | 7.5 | May 2 | .5 | 27 | 5.5 |
| Apr. 1 | 3.0 | 19 | 8.0 | 9 | 1.0 | Dec. 4 | 5.7 |
| 8 | 2.7 | 26 | 9.0 | 16 | 1.3 | 11 | 6.0 |
| 15 | 2.3 | Nov. 2 | 8.7 | 23 | 2.5 | 18 | 6.0 |
| 22 | 2.0 | 9 | 8.5 | 30 | 3.0 | 25 | 6.2 |
| 29 | 2.0 | 16 | 8.5 | June 6 | 1.0 | Jan. 1, 1956 | 6.5 |
| May 6 | 2.0 | 23 | 8.3 | 13 | 1.5 | 8 | 6.8 |
| 13 | 2.5 | 30 | 8.2 | 20 | 1.5 | 15 | 3.1 |
| 20 | 3.0 | Dec. 7 | 9.0 | 27 | 1.0 | 22 | 2.1 |
| 27 | 3.7 | 14 | 8.0 | July 4 | 1.5 | 29 | 2.6 |
| June 3 | 4.0 | 21 | 8.0 | 11 | 3.0 | Feb. 5 | 4.0 |
| 10 | 4.5 | 28 | 8.0 | 18 | 2.7 | 12 | 4.2 |
| 17 | 5.0 | Jan. 4, 1953 | 8.0 | 25 | 3.5 | 19 | 5.0 |
| 24 | 5.3 | 11 | 7.5 | Aug. 1 | 3.0 | 26 | 5.3 |
| July 1 | 6.0 | 18 | 7.0 | 8 | 2.5 | Mar. 4 | 5.7 |
| 8 | 4.0 | 25 | 7.0 | 15 | 3.0 | 11 | 5.8 |
| 15 | 4.3 | Feb. 1 | 5.0 | 22 | 3.5 | 18 | 5.8 |
| 22 | 5.0 | 8 | 4.0 | 29 | 4.3 | 25 | 6.3 |
| 29 | 5.2 | 15 | 4.0 | Sept. 5 | 5.0 | Apr. 1 | 6.8 |
| Aug. 5 | 5.5 | 22 | 4.0 | 12 | 1.0 | 8 | 1.8 |
| 12 | 6.0 | Mar. 1 | 4.0 | 19 | 1.5 | 15 | 1.1 |
| 19 | 5.2 | 8 | 4.0 | 26 | 3.0 | 22 | 1.1 |
| 26 | 6.0 | 15 | 3.3 | Oct. 3 | 1.5 | 29 | 1.1 |
| Sept. 2 | 6.0 | 22 | 3.0 | 10 | 1.7 | May 6 | 1.2 |
| 9 | 6.0 | 29 | 1.0 | 17 | 2.5 | 13 | 1.2 |
| 16 | 6.0 | Apr. 5 | 1.0 | 24 | 2.5 | 20 | 1.6 |
| 23 | 6.0 | 12 | 1.0 | Nov. 7 | 3.0 | 27 | 3.4 |
| 30 | 6.2 | 19 | 1.0 | 14 | 2.0 | June 3 | 4.0 |
| Oct. 7 | 6.7 | 26 | 1.0 | 21 | 1.1 | 10 | 3.6 |
| 14 | 7.0 | May 3 | 1.0 | 28 | 1.1 | 17 | 5.6 |
| 21 | 7.3 | 10 | 1.5 | Dec. 5 | 1.4 | 24 | 6.2 |
| 28 | 7.0 | 17 | 1.3 | 12 | 1.4 | July 1 | 6.6 |
| Nov. 4 | 5.7 | 24 | 2.0 | 19 | 1.4 | 8 | 5.8 |
| 11 | 5.0 | 31 | 2.0 | 26 | 2.6 | 15 | 5.2 |

444637N0705523.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|
| July 22, 1956 | 5.5 | Feb. 9, 1958 | 5.8 | Aug. 30, 1959 | 8.5 | Apr. 2, 1961 | 4.6 |
| 29 | 5.2 | 16 | 5.0 | Sept. 7 | 6.9 | 9 | 3.6 |
| Aug. 5 | 6.5 | 23 | 7.2 | 14 | 6.8 | 16 | 1.8 |
| 12 | 7.0 | Mar. 2 | 5.8 | 20 | 8.2 | 23 | .5 |
| 19 | 7.2 | 9 | 5.0 | 27 | 8.8 | 30 | .2 |
| 26 | 7.7 | 16 | 4.9 | Oct. 4 | 8.8 | May 7 | 2.2 |
| Sept. 2 | 8.7 | 23 | 5.0 | 13 | 7.0 | 14 | 2.8 |
| 9 | 7.0 | 30 | 4.4 | 20 | 6.7 | 21 | 4.0 |
| 16 | 6.8 | Apr. 6 | 2.7 | 27 | 1.2 | 28 | 1.6 |
| 23 | 6.7 | 13 | 2.0 | Nov. 3 | 1.9 | June 4 | 2.2 |
| 30 | 6.0 | 20 | .8 | 8 | 1.2 | 11 | 3.1 |
| Oct. 7 | 6.0 | 27 | 1.3 | 15 | 2.3 | 18 | 4.4 |
| 14 | 5.8 | May 4 | 2.7 | 22 | 2.1 | 25 | 4.8 |
| 21 | 6.3 | 11 | 1.8 | 29 | 1.2 | July 2 | 5.8 |
| 28 | 6.2 | 18 | 3.7 | Dec. 6 | 2.2 | 9 | 6.2 |
| Nov. 4 | 6.2 | 25 | 3.5 | 13 | 2.5 | 16 | 6.9 |
| 11 | 6.2 | June 1 | 2.6 | 20 | 2.9 | 23 | 7.8 |
| 18 | 6.2 | 8 | 3.6 | 27 | 3.9 | 30 | 7.8 |
| 25 | 5.9 | 15 | 4.7 | Jan. 3, 1960 | 4.1 | Aug. 6 | 8.4 |
| Dec. 2 | 4.8 | 22 | 5.3 | 10 | 3.4 | 13 | 8.8 |
| 9 | 4.8 | 29 | 6.3 | 17 | 5.5 | 20 | 9.6 |
| 16 | 4.0 | July 6 | 6.7 | 24 | 5.2 | 27 | 9.7 |
| 23 | 3.6 | 13 | 6.8 | 31 | 5.5 | Sept. 3 | 9.4 |
| 30 | 4.0 | 20 | 4.8 | Feb. 7 | 5.2 | 10 | 10.8 |
| Jan. 6, 1957 | 4.5 | 27 | 4.8 | 14 | 4.0 | 17 | 10.8 |
| 13 | 4.8 | Aug. 3 | 5.0 | 21 | 4.8 | 24 | 10.8 |
| 20 | 5.2 | 10 | 5.1 | 27 | 5.3 | Oct. 1 | 10.8 |
| 27 | 3.5 | 17 | 5.5 | Mar. 6 | 5.1 | 8 | 10.8 |
| Feb. 3 | 3.5 | 24 | 6.4 | 13 | 5.2 | 15 | 11.0 |
| 10 | 4.5 | 31 | 6.6 | 20 | 4.6 | 22 | 11.0 |
| 17 | 5.2 | Sept. 7 | 6.9 | 27 | 6.3 | 29 | 11.7 |
| 24 | 6.0 | 14 | 8.0 | Apr. 3 | 1.3 | Nov. 5 | 11.5 |
| Mar. 3 | 4.6 | 21 | 7.8 | 10 | 1.2 | 12 | 11.1 |
| 10 | 4.9 | 28 | 6.3 | 17 | .8 | 19 | 11.8 |
| 17 | 3.8 | Oct. 5 | 5.6 | 24 | 1.4 | 26 | 10.0 |
| 24 | 2.7 | 12 | 6.1 | May 1 | 2.6 | Dec. 3 | 9.3 |
| 31 | 1.6 | 19 | 4.3 | 8 | 4.4 | 10 | 8.0 |
| Apr. 7 | 1.7 | 26 | 4.4 | 15 | 1.0 | 17 | 6.1 |
| 14 | 2.7 | Nov. 2 | 3.0 | 22 | 3.2 | 24 | 6.8 |
| 21 | 3.1 | 9 | 3.5 | 29 | 3.9 | 31 | 6.8 |
| 28 | 3.5 | 16 | 3.5 | June 5 | 4.8 | Jan. 7, 1962 | 6.5 |
| May 5 | 3.5 | 23 | 4.6 | 12 | 6.4 | 14 | 7.1 |
| 12 | 3.5 | 30 | 4.7 | 19 | 5.3 | 21 | 6.1 |
| 19 | 3.5 | Dec. 7 | 4.8 | 26 | 5.4 | 28 | 6.3 |
| 26 | 3.1 | 14 | 5.5 | July 3 | 6.3 | Feb. 4 | 6.8 |
| June 2 | 2.9 | 21 | 5.8 | 10 | 6.7 | 11 | 7.2 |
| 9 | 2.8 | 28 | 6.1 | 17 | 7.4 | 18 | 7.4 |
| 16 | 3.1 | Jan. 4, 1959 | 6.1 | 24 | 8.0 | 25 | 7.6 |
| 23 | 4.9 | 11 | 6.8 | 31 | 8.8 | Mar. 4 | 7.9 |
| 30 | 5.7 | 18 | 6.9 | Aug. 7 | 7.8 | 11 | 8.4 |
| July 7 | 5.3 | 25 | 5.0 | 14 | 8.8 | 18 | 8.4 |
| 14 | 5.3 | Feb. 1 | 5.1 | 21 | 8.8 | 25 | 8.8 |
| 21 | 5.2 | 8 | 5.8 | 28 | 9.5 | Apr. 1 | 8.0 |
| 28 | 4.3 | 15 | 6.4 | Sept. 4 | 9.9 | 8 | .4 |
| Aug. 4 | 4.0 | 22 | 7.5 | 11 | 10.2 | 15 | 1.2 |
| 11 | 4.0 | Mar. 1 | 7.0 | 18 | 8.1 | 22 | 1.5 |
| 18 | 3.9 | 8 | 7.2 | 25 | 7.8 | 29 | 1.1 |
| 25 | 4.1 | 15 | 8.0 | Oct. 2 | 7.9 | May 6 | 1.3 |
| Sept. 1 | 6.0 | 22 | 6.2 | 9 | 8.8 | 13 | 3.0 |
| 8 | 7.2 | 29 | 5.0 | 16 | 8.9 | 20 | 3.5 |
| 15 | 7.8 | Apr. 5 | 1.0 | 23 | 8.8 | 27 | 2.1 |
| 22 | 8.2 | 12 | 1.8 | 30 | 6.2 | June 3 | 3.3 |
| 29 | 7.2 | 19 | 2.8 | Nov. 6 | 4.5 | 10 | 4.4 |
| Oct. 6 | 7.8 | 26 | 3.8 | 13 | 5.2 | 17 | 5.4 |
| 13 | 7.5 | May 3 | 3.5 | 20 | 5.7 | 24 | 5.6 |
| 20 | 7.5 | 10 | 4.8 | 27 | 5.8 | July 1 | 6.3 |
| 27 | 6.6 | 17 | 5.0 | Dec. 4 | 4.8 | 8 | 7.2 |
| Nov. 3 | 5.4 | 24 | 4.5 | 18 | 5.1 | 15 | 7.9 |
| 10 | 3.9 | 31 | 4.8 | 25 | 6.4 | 22 | 8.2 |
| 17 | 3.0 | June 7 | 5.0 | Jan. 1, 1961 | 6.8 | 29 | 9.1 |
| 24 | 2.8 | 14 | 4.5 | 8 | 7.0 | Aug. 7 | 8.4 |
| Dec. 1 | 2.8 | 21 | 2.4 | 15 | 7.2 | 12 | 4.4 |
| 8 | 3.2 | 28 | 3.8 | 22 | 7.8 | 19 | 4.6 |
| 15 | 2.1 | July 5 | 4.2 | 29 | 7.9 | 26 | 3.8 |
| 22 | 1.5 | 12 | 5.5 | Feb. 12 | 8.6 | Sept. 2 | 3.6 |
| 29 | 1.5 | 19 | 6.6 | 19 | 9.2 | 9 | 4.7 |
| Jan. 5, 1958 | 3.0 | 26 | 7.3 | 26 | 8.9 | 16 | 4.1 |
| 12 | 4.2 | Aug. 2 | 7.7 | Mar. 5 | 7.2 | 23 | 4.7 |
| 19 | 6.7 | 9 | ... | 12 | 6.3 | 30 | 4.8 |
| 26 | 6.4 | 16 | 7.5 | 19 | 6.8 | Oct. 7 | 5.3 |
| Feb. 2 | 6.4 | 23 | 8.1 | 26 | 6.6 | 14 | 1.4 |

444637 N0705523.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|
| Oct. 21, 1962 | 3.0 | Feb. 9, 1964 | 5.4 | May 30, 1965 | 3.4 | Sept. 11, 1966 | 11.4 |
| 28 | 5.2 | 16 | 5.8 | June 6 | 3.9 | 18 | 11.8 |
| Nov. 4 | 3.5 | 23 | 6.8 | 13 | 4.7 | 25 | 11.6 |
| 11 | 3.2 | Mar. 1 | 6.3 | 20 | 5.6 | Oct. 2 | 11.8 |
| 18 | 2.2 | 8 | 1.8 | 27 | 6.8 | 9 | 12.2 |
| 25 | 1.8 | 15 | 2.9 | July 4 | 7.8 | 16 | 12.2 |
| Dec. 2 | 3.2 | 22 | 3.7 | 11 | 8.6 | 23 | 12.2 |
| 9 | 1.3 | 29 | 4.4 | 18 | 8.6 | 30 | 11.2 |
| 16 | 2.8 | Apr. 5 | 4.8 | 25 | 8.7 | Nov. 6 | 10.8 |
| 23 | 3.8 | 12 | .7 | Aug. 1 | 9.4 | 13 | 9.7 |
| 30 | 4.3 | 19 | 1.5 | 8 | 9.0 | 20 | 9.4 |
| Jan. 6, 1963 | 4.8 | 26 | 1.5 | 12 | 9.2 | 27 | 8.4 |
| 13 | 5.1 | May 3 | 3.0 | 15 | 9.4 | Dec. 4 | 7.6 |
| 20 | 5.8 | 10 | 2.3 | 22 | 8.9 | 11 | 6.3 |
| 27 | 5.8 | 17 | 1.9 | 29 | 8.8 | 18 | 5.2 |
| Feb. 3 | 6.7 | 24 | 3.7 | Sept. 5 | 6.2 | 25 | 5.2 |
| 10 | 6.8 | 31 | 4.5 | 12 | 7.8 | Jan. 1, 1967 | 6.4 |
| 17 | 7.1 | June 7 | 5.3 | 19 | 6.6 | 8 | 7.0 |
| 24 | 7.2 | 14 | 6.2 | 26 | 4.6 | 15 | 7.2 |
| Mar. 3 | 7.6 | 21 | 7.5 | Oct. 3 | 3.8 | 22 | 7.2 |
| 10 | 7.8 | 28 | 7.6 | 10 | 3.5 | 29 | 6.8 |
| 17 | 8.2 | July 5 | 7.8 | 17 | 2.5 | Feb. 5 | 7.0 |
| 24 | 8.2 | 12 | 8.3 | 24 | 2.3 | 12 | 7.7 |
| 31 | 3.4 | 19 | 8.4 | 31 | 3.0 | 19 | 9.0 |
| Apr. 7 | 1.2 | 26 | 8.6 | Nov. 7 | 3.3 | 26 | 9.6 |
| 14 | .8 | Aug. 2 | 7.8 | 14 | 4.2 | Mar. 5 | 8.6 |
| 21 | 1.1 | 9 | 8.6 | 21 | 4.3 | 12 | 8.8 |
| 28 | 1.6 | 16 | 9.2 | 28 | 3.2 | 19 | 8.7 |
| May 5 | 2.8 | 23 | 9.4 | Dec. 4 | 4.3 | 26 | 9.2 |
| 12 | 2.8 | 30 | 9.4 | 12 | 3.8 | Apr. 2 | 5.5 |
| 19 | 2.2 | Sept. 6 | 9.9 | 19 | 4.0 | 9 | 2.5 |
| 26 | 3.0 | 13 | 9.8 | 26 | 5.2 | 16 | .2 |
| June 2 | 4.4 | 20 | 9.6 | Jan. 2, 1966 | 5.3 | 23 | .8 |
| 9 | 5.8 | 27 | 9.6 | 9 | 5.5 | 30 | 1.3 |
| 16 | 5.4 | Oct. 4 | 10.7 | 16 | 5.8 | May 7 | 1.4 |
| 23 | 7.2 | 11 | 10.8 | 23 | 6.5 | 14 | 1.6 |
| 30 | 8.0 | 18 | 11.1 | 30 | 7.6 | 21 | 1.2 |
| July 7 | 8.8 | 25 | 11.2 | Feb. 6 | 7.2 | 28 | 2.0 |
| 14 | 8.2 | Nov. 1 | 10.8 | 13 | 7.4 | June 11 | 4.6 |
| 21 | 8.8 | 8 | 10.2 | 20 | 6.8 | 18 | 4.5 |
| 28 | 9.2 | 15 | 10.2 | 27 | 6.6 | 25 | 4.2 |
| Aug. 4 | 9.7 | 22 | 10.1 | Mar. 6 | 6.5 | July 2 | 5.2 |
| 11 | 9.8 | 29 | 9.2 | 13 | 5.5 | 9 | 6.2 |
| 18 | 9.2 | Dec. 6 | 5.9 | 20 | 5.7 | 16 | 6.8 |
| 25 | 8.7 | 13 | 6.1 | 27 | 1.8 | 23 | 6.8 |
| Sept. 1 | 8.2 | 20 | 5.8 | Apr. 3 | 2.7 | 30 | 7.5 |
| 8 | 6.4 | 27 | 6.0 | 10 | 1.6 | Aug. 6 | 8.5 |
| 15 | 7.8 | Jan. 3, 1965 | 3.7 | 17 | .9 | 13 | 8.7 |
| 22 | 7.3 | 10 | 4.7 | 24 | 1.2 | 20 | 8.8 |
| 29 | 8.3 | 17 | 4.5 | May 1 | 1.9 | 27 | 9.8 |
| Oct. 6 | 8.1 | 24 | 6.6 | 8 | 2.7 | Sept. 3 | 10.3 |
| 13 | 8.2 | 31 | 7.6 | 15 | 1.7 | 10 | 11.1 |
| 20 | 8.3 | Feb. 7 | 8.6 | 22 | 2.0 | 17 | 11.1 |
| 27 | 8.7 | 14 | 7.8 | 29 | 3.6 | 24 | 10.9 |
| Nov. 3 | 8.6 | 21 | 8.6 | June 5 | 4.8 | Oct. 1 | 11.2 |
| 10 | 1.9 | 28 | 9.0 | 12 | 3.5 | 8 | 11.2 |
| 17 | 2.6 | Mar. 7 | 9.0 | 19 | 4.8 | 15 | 10.8 |
| 24 | 1.7 | 14 | 8.7 | 26 | 6.5 | 22 | 10.7 |
| Dec. 1 | 1.1 | 21 | 6.6 | July 3 | 7.0 | 29 | 10.2 |
| 8 | 3.1 | 28 | 6.8 | 10 | 7.8 | Nov. 5 | 9.9 |
| 15 | 1.9 | Apr. 4 | 7.1 | 17 | 8.1 | 12 | 10.0 |
| 22 | 3.7 | 11 | 4.9 | 24 | 8.7 | 19 | 9.6 |
| 29 | 4.3 | 18 | 1.2 | 31 | 9.5 | 26 | 9.4 |
| Jan. 5, 1964 | 5.3 | 25 | 2.0 | Aug. 7 | 9.2 | Dec. 3 | 8.8 |
| 12 | 5.6 | May 2 | 3.1 | 14 | 10.2 | 10 | 8.7 |
| 19 | 5.6 | 9 | 3.5 | 21 | 10.5 | 17 | 7.4 |
| 26 | 4.5 | 16 | 3.8 | 28 | 11.0 | 24 | 6.7 |
| Feb. 2 | 4.4 | 23 | 3.4 | Sept. 4 | 11.2 | 31 | 6.4 |

Penobscot County

444953N0684247.1. Local number Pe 401. K. L. Russell and E. J. Doucette. Veazle. Dug little-used water-table well in ice-contact sand and gravel, diam 30 in, depth 10.5 ft. Lsd about 125 ft above msl. MP top of concrete curb, at lsd. Highest water level 3.67 below lsd, Apr. 1, 1967; lowest 8.03 Oct. 13, 1963. Records available: 1963-67.

444953N0684247.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| July 11, 1963 | 6.58 | June 4, 1964 | 6.47 | Apr. 30, 1965 | 5.17 | May 14, 1966 | 5.12 |
| 29 | 7.10 | 29 | 6.78 | May 14 | 5.31 | June 14 | 5.82 |
| Aug. 13 | 7.82 | July 14 | 6.87 | 30 | 5.72 | 30 | 6.32 |
| 30 | 7.96 | Aug. 2 | 6.89 | June 14 | 6.25 | July 14 | 6.38 |
| Sept. 13 | 8.00 | 14 | 7.38 | 30 | 6.82 | Aug. 1 | 6.65 |
| 29 | 7.82 | 30 | 7.22 | July 14 | 7.04 | 14 | 6.85 |
| Oct. 13 | 8.03 | Sept. 14 | 7.78 | Aug. 1 | 7.62 | Sept. 14 | 6.88 |
| 31 | 6.78 | Oct. 14 | 7.89 | 15 | 7.67 | 30 | 6.59 |
| Nov. 17 | 5.40 | 30 | 6.78 | 31 | 7.16 | Oct. 14 | 6.47 |
| 29 | 5.34 | Nov. 15 | 7.29 | Sept. 30 | 7.47 | Nov. 14 | 5.19 |
| Dec. 14 | 5.40 | Dec. 13 | 6.53 | Oct. 15 | 6.23 | Feb. 15, 1967 | (j) |
| 31 | 5.39 | 31 | 5.49 | Dec. 21 | 6.03 | Apr. 1 | 3.67 |
| Jan. 14, 1964 | (j) | Jan. 13, 1965 | 6.00 | 30 | 6.03 | May 3 | 4.25 |
| Mar. 15 | 5.94 | 30 | 5.80 | Jan. 14, 1966 | 6.26 | 14 | 3.79 |
| 28 | 5.70 | Feb. 14 | 6.75 | Feb. 15 | 5.24 | June 13 | 4.43 |
| Apr. 14 | 4.90 | 28 | 6.90 | Mar. 14 | 4.80 | July 14 | 5.49 |
| 29 | 5.05 | Mar. 14 | 5.73 | 31 | 4.12 | Aug. 14 | 6.18 |
| May 14 | 5.60 | 31 | 5.78 | Apr. 14 | 4.91 | Nov. 14 | 5.81 |
| 27 | 5.77 | Apr. 14 | 5.23 | 20 | 5.33 | | |

j Frozen.

Somerset County

444219N0695458.1. Local number Sm 1. J. Harrison Farrand. Mercer. 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. Highest water level 3.75 below lsd, Apr. 13, 1960 (revised); lowest dry several times, 1952-53. Records available: 1942-67.

| | | | | | | | |
|---------------|------|---------------|-------|---------------|------|--------------|------|
| Jan. 15, 1963 | 6.10 | July 28, 1964 | 7.37 | Feb. 27, 1966 | 5.80 | May 14, 1967 | 4.53 |
| 29 | 6.14 | Aug. 13 | 8.16 | Mar. 14 | 4.89 | 24 | 5.02 |
| Feb. 13 | 6.38 | 28 | 8.07 | 29 | 4.39 | 25 | 5.07 |
| 27 | 6.60 | Sept. 15 | 8.34 | Apr. 15 | 4.32 | 31 | 5.17 |
| Mar. 14 | 6.60 | 28 | 8.77 | 30 | 4.97 | June 5 | 5.36 |
| 28 | 6.09 | Oct. 14 | 9.26 | May 14 | 4.95 | 10 | 5.75 |
| Apr. 13 | 4.00 | 30 | 7.64 | 26 | 5.30 | 15 | 6.47 |
| 27 | 4.57 | Nov. 15 | 6.90 | June 14 | 5.08 | 20 | 5.82 |
| May 13 | 5.03 | 30 | 4.98 | 27 | 5.98 | 25 | 4.85 |
| 29 | 5.30 | Dec. 13 | 5.40 | July 15 | 6.63 | 28 | 5.30 |
| June 13 | 6.17 | 30 | 4.92 | 29 | 6.94 | 30 | 5.54 |
| 28 | 7.13 | Jan. 14, 1965 | 5.48 | Aug. 15 | 7.65 | July 5 | 5.60 |
| July 12 | 7.79 | 30 | 6.00 | 29 | 8.21 | 10 | 5.42 |
| 28 | 8.63 | Feb. 14 | 5.76 | Sept. 15 | 8.70 | 15 | 5.74 |
| Aug. 14 | 9.05 | 28 | 5.45 | 28 | 9.24 | 20 | 5.92 |
| 29 | 8.48 | Mar. 13 | 4.60 | Oct. 6 | 9.55 | 25 | 6.06 |
| Sept. 13 | 8.60 | 29 | 5.05 | 10 | 9.69 | 29 | 5.84 |
| 28 | 9.03 | Apr. 14 | 4.36 | 19 | 9.92 | Aug. 5 | 5.75 |
| Oct. 13 | 8.73 | 29 | 4.72 | 26 | 7.11 | 10 | 6.08 |
| 30 | 8.70 | May 13 | 5.42 | Nov. 4 | 4.14 | 15 | 6.34 |
| Nov. 13 | 4.30 | 29 | 5.92 | 16 | 5.06 | 20 | 6.45 |
| 24 | 4.65 | June 14 | 6.57 | 20 | 5.13 | 25 | 6.23 |
| 30 | 4.20 | 29 | 7.24 | 25 | 5.31 | 29 | 6.13 |
| Dec. 13 | 4.54 | July 14 | 8.15 | 27 | 5.28 | Sept. 5 | 6.22 |
| 28 | 5.65 | 29 | 8.91 | 30 | 4.68 | 10 | 6.38 |
| Jan. 15, 1964 | 6.24 | Aug. 14 | 9.70 | Dec. 10 | 4.82 | 15 | 6.48 |
| 29 | 5.45 | 29 | 10.23 | 15 | 5.05 | 20 | 6.67 |
| Feb. 14 | 5.99 | Sept. 15 | 10.85 | 27 | 5.49 | 25 | 6.80 |
| 27 | 6.47 | 29 | 11.45 | Jan. 14, 1967 | 5.76 | 29 | 6.78 |
| Mar. 14 | 6.12 | Oct. 16 | 12.00 | 29 | 5.97 | Oct. 30 | 5.71 |
| 25 | 6.10 | 31 | 12.50 | Feb. 14 | 6.22 | Nov. 5 | 5.53 |
| Apr. 15 | 4.40 | Nov. 13 | 12.50 | 27 | 6.40 | 10 | 5.58 |
| 30 | 4.77 | 28 | 8.48 | Mar. 15 | 6.52 | 30 | 5.15 |
| May 14 | 5.04 | Dec. 15 | 5.70 | 27 | 6.26 | Dec. 5 | 5.23 |
| 27 | 5.52 | 28 | 5.95 | Apr. 15 | 4.45 | 10 | 5.47 |
| June 16 | 6.36 | Jan. 14, 1966 | 6.08 | 26 | 4.45 | 15 | 4.88 |
| 26 | 6.95 | Feb. 4 | 6.34 | 28 | 4.63 | 26 | 5.14 |
| July 14 | 6.91 | 14 | 6.08 | | | | |

Washington County

444240N0672835.1. Local number W 1. Julian A. Johnson. Formerly Washington County. Machias. 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: 1958-67.

444240N0672835.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|----------------|-------------|
| Jan. 17, 1963 | 9.42 | Apr. 16, 1964 | 7.97 | June 1, 1965 | 10.70 | Sept. 15, 1966 | 11.55 |
| 29 | 9.37 | 28 | 8.35 | 17 | 11.39 | 30 | 10.85 |
| Feb. 27 | 10.77 | May 15 | 11.55 | 30 | 11.82 | Oct. 15 | 10.10 |
| Mar. 16 | 9.92 | June 2 | 11.35 | July 16 | 12.30 | 31 | 10.75 |
| 29 | 7.37 | 15 | 11.70 | 30 | 12.52 | Nov. 15 | 9.67 |
| Apr. 29 | 7.86 | 29 | 12.00 | Aug. 16 | 12.81 | 30 | 10.87 |
| May 15 | 9.05 | July 15 | 12.09 | Sept. 15 | 13.45 | Dec. 30 | 10.40 |
| June 2 | 9.98 | 30 | 11.68 | 29 | 13.76 | Jan. 30, 1967 | 10.58 |
| 15 | 11.07 | Aug. 17 | 11.70 | Oct. 18 | 11.63 | Mar. 1 | 11.00 |
| 30 | 12.20 | 30 | 11.20 | Nov. 2 | 11.64 | 31 | 10.67 |
| July 15 | 11.70 | Sept. 16 | 11.22 | 17 | 9.66 | Apr. 30 | 8.94 |
| 29 | 11.88 | Oct. 5 | 11.12 | 30 | 7.18 | May 31 | 9.90 |
| Aug. 15 | 12.02 | 19 | 11.60 | Dec. 15 | 9.77 | June 14 | 10.95 |
| 28 | 11.29 | 29 | 11.19 | Mar. 17 | 9.04 | 30 | 10.70 |
| Sept. 15 | 12.65 | Nov. 16 | 11.51 | 30 | 7.87 | July 15 | 10.67 |
| 30 | 9.88 | 30 | 10.12 | Apr. 14 | 9.72 | 31 | 11.25 |
| Oct. 14 | 10.19 | Dec. 15 | 11.57 | 29 | 11.10 | Aug. 14 | 11.63 |
| 29 | 10.57 | 29 | 7.75 | May 14 | 9.95 | 30 | 12.59 |
| Nov. 15 | 7.20 | Jan. 29, 1965 | 12.05 | 31 | 10.32 | Sept. 15 | 11.75 |
| Dec. 1 | 8.15 | Mar. 1 | 10.50 | June 14 | 10.45 | 29 | 10.17 |
| Jan. 29, 1964 | 10.33 | 15 | 9.59 | July 1 | 11.33 | Oct. 15 | 10.30 |
| Feb. 17 | 13.12 | 27 | 10.22 | 15 | 12.87 | 30 | 10.08 |
| Mar. 1 | 13.51 | Apr. 17 | 9.92 | 30 | 12.13 | Nov. 29 | 8.10 |
| 16 | 11.07 | 29 | 9.31 | Aug. 15 | 12.27 | Dec. 27 | 9.68 |
| 27 | 10.27 | May 17 | 9.95 | Sept. 1 | 12.41 | | |

444955N0870005.1. Local number W 2. Lubec Water District. Lubec. Driven unused semi-artesian 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 19.89 below lsd, Nov. 12, 1965. Records available: 1958-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 14, 1963 | 13.88 | Apr. 13, 1964 | 11.54 | July 13, 1965 | 17.69 | Oct. 12, 1966 | 16.79 |
| 28 | 13.80 | 28 | 12.81 | 28 | 18.05 | 28 | 16.96 |
| Feb. 13 | 12.86 | May 12 | 13.39 | Aug. 12 | 18.38 | Nov. 13 | 16.87 |
| 25 | 12.18 | 28 | 14.04 | 27 | 18.75 | 26 | 16.62 |
| Mar. 15 | 11.18 | June 12 | 14.73 | Sept. 12 | 19.01 | Dec. 12 | 16.39 |
| 28 | 10.71 | 28 | 15.31 | 27 | 19.31 | 27 | 16.23 |
| Apr. 15 | 9.72 | July 12 | 15.54 | Oct. 12 | 19.49 | Jan. 12, 1967 | 15.93 |
| 28 | 9.89 | 27 | 15.97 | 27 | 19.61 | 27 | 15.63 |
| May 13 | 9.92 | Aug. 12 | 16.41 | Nov. 12 | 19.89 | Feb. 12 | 15.43 |
| 31 | 10.22 | 27 | 16.87 | 26 | 19.73 | 24 | 15.38 |
| June 14 | 10.62 | Sept. 12 | 17.34 | Dec. 15 | 19.18 | Mar. 12 | 15.29 |
| 30 | 11.27 | 26 | 17.75 | 27 | 19.02 | 27 | 15.45 |
| July 13 | 11.76 | Oct. 12 | 18.06 | Jan. 12, 1966 | 18.48 | Apr. 12 | 15.19 |
| 29 | 13.11 | 29 | 18.39 | 27 | 18.14 | 27 | 15.13 |
| Aug. 12 | 13.89 | Nov. 12 | 18.62 | Feb. 12 | 17.81 | May 11 | 15.16 |
| 31 | 14.74 | 26 | 18.94 | 25 | 17.29 | 27 | 14.71 |
| Sept. 15 | 15.19 | Dec. 11 | 19.16 | Mar. 12 | 16.43 | June 13 | 14.88 |
| 28 | 15.49 | 29 | 18.68 | 29 | 15.61 | 28 | 15.09 |
| Oct. 13 | 15.54 | Jan. 12, 1965 | 18.18 | Apr. 12 | 15.49 | July 12 | 15.32 |
| 28 | 15.59 | 27 | 17.99 | 27 | 15.41 | 27 | 15.64 |
| Nov. 13 | 14.61 | Feb. 12 | 18.07 | May 12 | 15.34 | Aug. 11 | 15.98 |
| 28 | 13.13 | 25 | 18.17 | 30 | 15.15 | 28 | 16.25 |
| Dec. 12 | 11.77 | Mar. 12 | 17.94 | June 12 | 15.18 | Sept. 14 | 16.61 |
| 28 | 10.64 | 29 | 18.01 | 28 | 15.06 | 27 | 16.89 |
| Jan. 12, 1964 | 10.60 | Apr. 13 | 18.07 | July 12 | 15.54 | Oct. 12 | 16.86 |
| 28 | 10.37 | 27 | 18.04 | 29 | 16.14 | 28 | 16.63 |
| Feb. 18 | 10.30 | May 12 | 17.89 | Aug. 12 | 16.48 | Nov. 14 | 16.51 |
| 27 | 10.27 | 28 | 17.63 | 29 | 16.89 | 27 | 16.58 |
| Mar. 13 | 10.18 | June 12 | 17.39 | Sept. 14 | 17.19 | Dec. 12 | 15.15 |
| 25 | 10.29 | 26 | 17.41 | 28 | 16.87 | 27 | 13.09 |

York County

434822N0704825.1. Local number Y 1. J. P. Small. Cornish. Dug unused water-table well in glacial outwash, diam 36 in, depth 24 ft, cased 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: 1943-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|----------------|-------|
| Jan. 15, 1963 | 13.88 | Aug. 15, 1963 | 16.11 | Feb. 29, 1964 | 12.28 | Sept. 15, 1964 | 15.95 |
| 28 | 14.88 | 28 | 16.41 | Mar. 15 | 9.35 | 28 | 16.58 |
| Feb. 16 | 16.01 | Sept. 15 | 17.12 | 27 | 10.02 | Oct. 15 | 17.44 |
| 27 | 16.48 | 30 | 17.40 | Apr. 15 | 8.49 | 28 | 17.88 |
| Mar. 15 | 17.10 | Oct. 15 | 17.88 | 28 | 9.16 | Nov. 15 | 18.30 |
| 28 | 15.71 | 29 | 18.10 | May 15 | 10.88 | 29 | 17.65 |
| Apr. 29 | 10.10 | Nov. 16 | 9.10 | 27 | 11.66 | Dec. 15 | 12.54 |
| May 15 | 10.58 | 30 | 9.82 | June 15 | 13.15 | 29 | 12.70 |
| 30 | 10.05 | Dec. 15 | 9.29 | 28 | 14.09 | Jan. 15, 1965 | 12.20 |
| June 15 | 12.11 | 30 | 11.28 | July 16 | 14.62 | 28 | 13.15 |
| 28 | 13.01 | Jan. 15, 1964 | 12.78 | 28 | 14.47 | Feb. 15 | 14.30 |
| July 15 | 14.49 | 29 | 8.70 | Aug. 15 | 15.16 | 26 | 13.78 |
| 28 | 15.22 | Feb. 16 | 11.11 | 28 | 15.60 | Mar. 15 | 10.26 |

434822N0704825.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 29, 1965 | 11.02 | Dec. 15, 1965 | 11.88 | Aug. 29, 1966 | 14.15 | May 15, 1967 | 8.73 |
| Apr. 15 | 10.70 | 31 | 12.69 | Sept. 15 | 12.22 | 28 | 9.56 |
| 28 | 9.42 | Jan. 16, 1966 | 12.99 | 30 | 10.88 | June 15 | 11.01 |
| May 15 | 11.28 | 29 | 13.76 | Oct. 16 | 11.78 | July 1 | 9.99 |
| 29 | 12.06 | Feb. 15 | 14.55 | Nov. 1 | 10.88 | 15 | 10.86 |
| June 15 | 13.25 | 27 | 12.15 | 15 | 9.87 | 28 | 11.12 |
| 30 | 12.59 | Mar. 15 | 9.88 | Dec. 2 | 11.21 | Aug. 15 | 12.02 |
| July 16 | 13.69 | 29 | 8.59 | 15 | 11.15 | 29 | 12.76 |
| 29 | 14.52 | Apr. 15 | 9.01 | 28 | 11.56 | Sept. 16 | 12.65 |
| Aug. 15 | 15.57 | 28 | 10.22 | Jan. 15, 1967 | 12.78 | 28 | 13.52 |
| 29 | 16.24 | May 15 | 10.86 | 29 | 13.70 | Oct. 16 | 14.20 |
| Sept. 15 | 16.99 | 30 | 10.88 | Feb. 15 | 14.77 | 30 | 15.09 |
| 28 | 17.22 | June 15 | 11.02 | 27 | 15.12 | Nov. 16 | 15.60 |
| Oct. 16 | 17.83 | 28 | 11.66 | Mar. 15 | 15.02 | 29 | 15.47 |
| 29 | 17.82 | July 16 | 13.10 | 29 | 13.62 | Dec. 15 | 11.56 |
| Nov. 15 | 17.47 | 28 | 13.67 | Apr. 16 | 8.88 | 27 | 11.42 |
| 29 | 14.28 | Aug. 15 | 14.82 | 29 | 8.73 | | |

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- _____, 1966, Surficial geology and availability of ground water in part of the lower Penobscot River basin, Maine: U.S. Geol. Survey Hydrol. Inv. Atlas HA-225.
- _____, 1967, Records of selected wells, springs, and test borings in the lower Androscoggin River basin: Maine basic-data report no. 3, ground-water series: U.S. Geol. Survey open-file rept., 63 p., 2 figs.

MASSACHUSETTS

The observation-well program in Massachusetts was continued during 1963 through 1967 in cooperation with the Massachusetts Department of Public Works. Figure 6 shows the location of observation wells included in this report.

Well-Numbering System

The first number shown is based on the new, national well-numbering system represented by the latitude and longitude coordinates of the well location. Local well numbers, designated by town or city name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

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

Barnstable County

414516N0700147.1. Local number Brewster 21. U.S. Geol. Survey. Nook Road in Nickerson State Park. Augured observation water-table well in sand and gravel, diam $2\frac{1}{2}$ in, depth 25 ft, well point 22-25. Lsd about 50 ft above msl. MP top of casing, 2.4 ft above lsd. Highest water level 7.98 below lsd, May 29, 1963; lowest 13.34 below lsd, Oct. 25, 1966. Records available: 1957-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 31, 1963 | 9.11 | Jan. 31, 1964 | 9.30 | May 28, 1965 | 11.21 | Sept. 27, 1966 | 13.23 |
| Feb. 28 | 8.79 | Feb. 28 | 9.10 | June 28 | 11.45 | Oct. 25 | 13.34 |
| Mar. 27 | 8.36 | Mar. 30 | 8.96 | July 28 | 11.70 | Nov. 28 | 12.94 |
| Apr. 1 | 8.27 | Apr. 28 | 8.60 | Aug. 26 | 11.90 | Dec. 21 | 12.90 |
| 27 | 8.32 | May 27 | 8.65 | Sept. 28 | 12.19 | Jan. 27, 1967 | 12.68 |
| 30 | 8.16 | June 30 | 8.96 | Oct. 27 | 12.47 | Feb. 28 | 12.46 |
| May 29 | 7.98 | July 29 | 9.18 | Nov. 23 | 12.58 | Mar. 29 | 11.87 |
| June 3 | 8.10 | Sept. 1 | 9.51 | Dec. 20 | 12.78 | Apr. 25 | 11.44 |
| 28 | 8.03 | 28 | 9.80 | Jan. 31, 1966 | 12.97 | May 31 | 10.26 |
| July 31 | 8.26 | Oct. 27 | 10.02 | Feb. 28 | 12.96 | June 27 | 9.35 |
| Aug. 29 | 8.54 | Nov. 24 | 10.40 | Mar. 21 | 12.96 | July 26 | 8.85 |
| Sept. 30 | 8.73 | Dec. 29 | 10.58 | Apr. 25 | 13.10 | Aug. 23 | 8.50 |
| Oct. 25 | 9.07 | Jan. 29, 1965 | 10.78 | May 29 | 12.89 | Sept. 27 | 8.43 |
| Nov. 29 | 9.19 | Mar. 1 | 10.85 | June 23 | 12.80 | Oct. 26 | 8.48 |
| Dec. 2 | 9.17 | 29 | 10.99 | July 22 | 12.97 | Nov. 27 | 8.44 |
| 30 | 9.37 | Apr. 28 | 11.04 | Aug. 25 | 13.04 | Dec. 26 | 8.50 |

413449N0703224.1. Local number Falmouth 5. Town of Falmouth. Driven unused water-table well in glacial drift, diam $2\frac{1}{2}$ 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 5.62 below lsd, Nov. 23, 1965. Records available: 1950-67. Water levels affected by pumping.

| | | | | | | | |
|---------------|------|---------------|------|---------------|------|---------------|------|
| Jan. 28, 1963 | 3.99 | May 27, 1964 | 3.95 | July 28, 1965 | 5.14 | Oct. 25, 1966 | 5.46 |
| Feb. 28 | 3.72 | June 30 | 4.48 | Aug. 26 | 5.33 | Nov. 28 | 5.28 |
| Mar. 28 | 3.48 | July 29 | 4.83 | Sept. 28 | 5.49 | Dec. 21 | 5.23 |
| Apr. 29 | 3.89 | Aug. 28 | 5.12 | Oct. 27 | 5.50 | Jan. 27, 1967 | 5.23 |
| May 29 | 4.20 | Sept. 1 | 5.16 | Nov. 23 | 5.62 | Feb. 28 | 5.00 |
| June 28 | 4.47 | 28 | 5.31 | Dec. 20 | 5.51 | Mar. 29 | 3.92 |
| July 29 | 4.77 | Oct. 27 | 5.12 | Jan. 31, 1966 | 5.50 | Apr. 25 | 3.67 |
| Aug. 28 | 5.02 | Nov. 24 | 5.39 | Feb. 28 | 5.24 | May 31 | 2.70 |
| Sept. 26 | 5.13 | Dec. 29 | 5.20 | Mar. 21 | 5.15 | June 27 | 3.08 |
| Oct. 28 | 5.34 | Jan. 29, 1965 | 5.00 | Apr. 25 | 5.22 | July 26 | 3.88 |
| Nov. 29 | 5.28 | Feb. 26 | 4.70 | May 29 | 4.99 | Aug. 28 | 4.20 |
| Dec. 30 | 5.31 | Mar. 29 | 4.51 | June 23 | 4.54 | Sept. 27 | 4.56 |
| Jan. 29, 1964 | 5.32 | Apr. 28 | 4.51 | July 21 | 4.93 | Oct. 26 | 4.90 |
| Feb. 28 | 4.36 | May 28 | 4.65 | Aug. 25 | 5.24 | Nov. 27 | 4.86 |
| Mar. 30 | 3.97 | June 28 | 4.85 | Sept. 27 | 5.33 | Dec. 26 | 4.81 |
| Apr. 28 | 3.55 | | | | | | |

420239N0700620.1. Local number Truro 1. Town of Provincetown. Driven unused water-table well in glacial drift, diam $1\frac{1}{4}$ 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, 1956; Aug. 18, 1956, Apr. 26, 1958; lowest 12.1 below lsd, Sept. 11, 1954. Records available: 1950-67. Water levels affected by pumping.

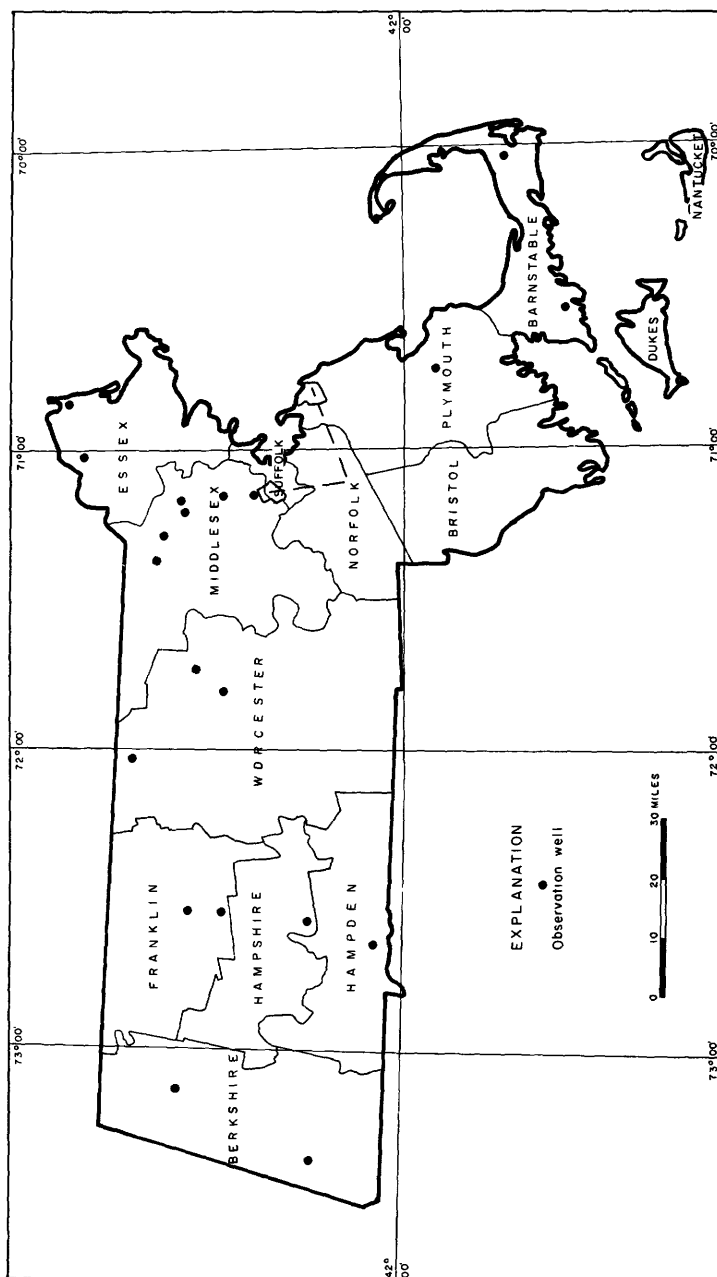


Figure 6. --Location of observation wells in Massachusetts, 1963-67.

420239N0700620.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 31, 1963 | 10.7 | Apr. 28, 1964 | 10.7 | July 28, 1965 | 11.3 | Oct. 25, 1974 | 11.1 |
| Feb. 28 | 10.6 | May 27 | 10.9 | Aug. 26 | 11.3 | Nov. 28 | 10.9 |
| Apr. 1 | 10.4 | June 30 | 11.3 | Sept. 28 | 11.1 | Dec. 21 | 10.8 |
| 30 | 10.3 | July 29 | 11.3 | Oct. 27 | 10.9 | Jan. 27, 1977 | 10.6 |
| May 29 | 10.8 | Sept. 1 | 11.2 | Nov. 23 | 10.9 | Feb. 27 | 10.6 |
| June 28 | 11.1 | 28 | 11.0 | Dec. 20 | 10.9 | Mar. 29 | 10.3 |
| July 31 | 11.2 | Oct. 27 | 10.9 | Jan. 31, 1966 | 10.6 | Apr. 25 | 10.2 |
| Aug. 29 | 11.3 | Nov. 24 | 10.8 | Feb. 28 | 10.9 | May 24 | 10.2 |
| Sept. 30 | 11.0 | Dec. 29 | 10.7 | Mar. 21 | 10.9 | June 27 | 10.1 |
| Oct. 25 | 11.0 | Jan. 29, 1965 | 10.7 | Apr. 25 | 11.1 | July 26 | 10.8 |
| Dec. 2 | 10.6 | Mar. 1 | 10.8 | May 29 | 10.8 | Aug. 23 | 10.9 |
| 30 | 10.8 | 29 | 11.2 | June 23 | 11.0 | Sept. 27 | 10.8 |
| Jan. 31, 1964 | 10.6 | Apr. 27 | 11.0 | July 22 | 11.1 | Oct. 26 | 11.1 |
| Feb. 28 | 10.4 | May 28 | 11.2 | Aug. 25 | 11.2 | Nov. 27 | 10.9 |
| Mar. 30 | 10.4 | June 28 | 11.2 | Sept. 27 | 11.0 | Dec. 26 | 10.7 |

Berkshire County

423503N0730754.1. Local number Cheshire 2. John Jayco. Wells and Jenks Rds. Dug unused water-table well in glacial drift, diam 30 in, depth 22 ft, cased 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 14.03 below lsd, Nov. 20, 1964. Records available: 1951-67.

| | | | | | | | |
|---------------|-------|---------------|--------|---------------|------|---------------|------|
| Jan. 20, 1963 | 6.92 | May 20, 1964 | 3.98 | July 28, 1965 | 7.84 | Oct. 26, 1966 | 3.20 |
| Feb. 27 | 8.81 | June 22 | 7.82 | Aug. 27 | 8.33 | Nov. 25 | 4.31 |
| Mar. 30 | 2.83 | July 20 | 9.50 | Sept. 29 | 6.53 | Dec. 28 | 5.27 |
| Apr. 29 | 1.93 | Aug. 25 | 11.08 | Oct. 27 | 6.27 | Jan. 26, 1967 | 5.61 |
| May 29 | 3.95 | Sept. 22 | 11.95 | Nov. 29 | 5.05 | Feb. 27 | 5.62 |
| June 28 | 5.42 | Oct. 22 | 13.32 | Dec. 22 | 5.00 | Mar. 28 | 2.53 |
| July 29 | 7.98 | Nov. 20 | 14.03 | Jan. 25, 1966 | 5.81 | Apr. 27 | .76 |
| Aug. 28 | 9.71 | 30 | b17.44 | Feb. 23 | 5.38 | May 25 | 2.50 |
| Sept. 28 | 11.36 | Dec. 22 | b18.97 | Mar. 22 | 1.67 | June 27 | 1.71 |
| Oct. 28 | 11.29 | Jan. 21, 1965 | b18.43 | Apr. 26 | 1.35 | July 27 | 4.01 |
| Nov. 29 | 8.11 | Feb. 24 | 11.09 | May 24 | 1.87 | Aug. 29 | 3.62 |
| Dec. 28 | 7.13 | Mar. 24 | 10.80 | June 22 | 4.99 | Sept. 29 | 7.03 |
| Jan. 30, 1964 | 6.39 | Apr. 28 | 4.04 | July 26 | 5.80 | Oct. 27 | 6.57 |
| Mar. 20 | 2.37 | May 27 | 6.32 | Aug. 24 | 7.55 | Nov. 28 | 5.81 |
| Apr. 23 | .37 | June 21 | 7.35 | Sept. 22 | 5.92 | Dec. 27 | 5.58 |

b Well pumped recently.

421338N0732152.1. Local number Great Barrington 1. Mrs. Dora A. Campbell. North Plains Rd. and Division St. Dug unused water-table well in glacial drift, diam 34 in, depth 24 ft, cased with stone. Lsd 732.11 ft above msl. MP top of concrete masonry work, at lsd. Highest water level 15.51 below lsd, Aug. 1, 1945; lowest dry, Nov. 20, Dec. 22, 1964, Jan. 21, June 22, July 28, Aug. 27, Sept. 29, Oct. 23, Nov. 27, 1965, Jan. 24, Aug. 23, Sept. 22, Oct. 26, 1966. Records available: 1936-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 27, 1963 | 23.22 | Apr. 23, 1964 | 20.23 | July 28, 1965 | (f) | Oct. 26, 1966 | (f) |
| Feb. 26 | 23.18 | May 21 | 20.54 | Aug. 27 | (f) | Nov. 25 | 23.5 |
| Mar. 27 | 21.36 | June 23 | 21.64 | Sept. 29 | (f) | Dec. 27 | 23.6 |
| Apr. 26 | 20.37 | July 21 | 21.33 | Oct. 23 | (f) | Jan. 26, 1967 | 23.25 |
| May 27 | 21.14 | Aug. 25 | 22.83 | Nov. 27 | (f) | Feb. 27 | 22.87 |
| July 8 | 21.30 | Sept. 22 | 23.29 | Dec. 21 | 23.50 | Mar. 28 | 22.52 |
| 25 | 21.60 | Oct. 22 | 23.64 | Jan. 24, 1966 | (f) | Apr. 26 | 20.57 |
| Aug. 29 | 23.17 | Nov. 20 | (f) | Feb. 22 | 23.18 | May 24 | 20.53 |
| Oct. 2 | 23.11 | Dec. 22 | (f) | Mar. 22 | 22.50 | June 26 | 20.68 |
| Nov. 1 | 23.80 | Jan. 21, 1965 | (f) | Apr. 25 | 22.30 | July 27 | 19.98 |
| 27 | 23.35 | Feb. 23 | 23.20 | May 24 | 22.45 | Aug. 28 | 21.06 |
| Dec. 20 | 22.89 | Mar. 25 | 23.27 | June 22 | 22.88 | Sept. 27 | 21.84 |
| Jan. 20, 1964 | 23.46 | Apr. 28 | 22.90 | July 26 | 22.40 | Oct. 26 | 22.31 |
| Feb. 21 | 22.26 | May 26 | 23.47 | Aug. 23 | (f) | Nov. 27 | 22.40 |
| Mar. 20 | 20.79 | June 22 | (f) | Sept. 22 | (f) | Dec. 27 | 22.05 |

f Dry.

Essex County

425103N0705134.1. Local number Salisbury 9. Eugene G. Folsom. Garrish Road. Dug unused water-table well in sand, diam 30 in, depth 10.65 ft, cased with tile. Lsd about 35 ft above msl. MP top inside lip of tile casing, 1.6 ft above lsd. Highest water level 3.25 below lsd, Apr. 2, 1962; lowest 8.20 below lsd, Sept. 25, 1964. Records available: 1960-67.

| | | | | | | | |
|--------------|------|---------------|------|---------------|------|--------------|------|
| Aug. 2, 1960 | 6.37 | June 29, 1961 | 5.83 | May 29, 1962 | 5.39 | May 3, 1963 | 4.13 |
| 30 | 7.07 | Aug. 3 | 5.40 | June 28 | 5.36 | 28 | 5.02 |
| Sept. 28 | 6.24 | 30 | 6.08 | July 31 | 6.54 | June 27 | 6.36 |
| Nov. 2 | 5.86 | Oct. 1 | 5.04 | Aug. 29 | 6.82 | July 30 | 7.13 |
| 28 | 5.99 | 31 | 5.34 | Sept. 28 | 6.78 | Aug. 27 | 7.29 |
| Dec. 30 | 4.96 | Dec. 1 | 4.33 | Oct. 29 | 4.80 | Sept. 27 | 7.36 |
| Feb. 3, 1961 | 5.53 | Jan. 2, 1962 | 4.33 | Nov. 30 | 4.52 | Oct. 29 | 6.99 |
| Mar. 3 | 3.80 | Feb. 1 | 4.65 | Dec. 27 | 4.91 | Nov. 29 | 4.95 |
| 28 | 3.54 | Mar. 2 | 4.56 | Jan. 30, 1963 | 5.06 | Dec. 23 | 4.53 |
| May 3 | 3.85 | Apr. 2 | 3.25 | Feb. 27 | 5.00 | Feb. 5, 1964 | 4.00 |
| 30 | 4.39 | 30 | 4.80 | Mar. 28 | 3.57 | Mar. 2 | 4.48 |

425103N0705134.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Mar. 26, 1964 | 4.03 | Mar. 31, 1965 | 4.27 | Mar. 29, 1966 | 4.22 | Feb. 27, 1967 | 4.75 |
| Apr. 26 | 4.31 | Apr. 26 | 4.44 | Apr. 25 | 4.70 | Mar. 30 | 3.64 |
| May 26 | 5.37 | May 27 | 5.44 | May 20 | 4.73 | Apr. 28 | 4.12 |
| June 25 | 6.71 | June 23 | 5.60 | June 27 | 5.70 | May 29 | 3.89 |
| July 27 | 7.11 | July 22 | 6.89 | July 28 | 6.77 | June 29 | 4.88 |
| Aug. 28 | 7.75 | Aug. 27 | 7.66 | Aug. 26 | 7.35 | July 31 | 5.77 |
| Sept. 25 | 8.20 | Sept. 22 | 8.06 | Sept. 27 | 7.73 | Aug. 29 | 5.90 |
| Oct. 23 | 7.44 | Oct. 21 | 8.02 | Oct. 20 | 6.67 | Sept. 28 | 6.67 |
| Nov. 23 | 7.40 | Nov. 24 | 8.08 | Nov. 29 | 5.62 | Oct. 31 | 6.67 |
| Dec. 22 | 6.14 | Dec. 28 | 6.95 | Dec. 28 | 5.63 | Nov. 28 | 4.51 |
| Jan. 26, 1965 | 5.76 | Jan. 27, 1966 | 6.51 | Jan. 31, 1967 | 4.13 | Dec. 27 | 4.45 |
| Feb. 24 | 5.10 | Feb. 26 | 4.69 | | | | |

424941N0710041.1. Local number Haverhill 23. Benjamin Hamm. Amesbury Line Road. Dug unused water-table well in sand, diam 12 in, depth 15.1 ft, cased with tile. Lsd about 105 ft above msl. MP hole in base of wooden recorder sbeiter, 1.0 ft below lsd. Highest water level 8.08 below lsd, Apr. 19, 1961; lowest 15.02 below lsd, Feb. 2, 1966. Records available: 1960-67.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | | | | | | | 13.60 | 13.90 |
| 10 | | | | | | | | | | 13.80 | 13.51 | 13.98 |
| 15 | | | | | | | | | | 13.91 | 13.55 | 14.05 |
| 20 | | | | | | | | | | 14.01 | 13.68 | 14.03 |
| 25 | | | | | | | | | | 13.97 | 13.77 | 13.73 |
| Eom | | | | | | | | | | 14.03 | 13.85 | 13.60 |

1961

| | | | | | | | | | | | | |
|-----|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 13.46 | 13.66 | 11.60 | 9.91 | e8.54 | 10.25 | 11.75 | 12.64 | 13.46 | 13.06 | 13.52 | 12.77 |
| 10 | 13.44 | 13.72 | 11.14 | 9.75 | e8.78 | 10.45 | 11.97 | 12.82 | 13.61 | 13.07 | 13.48 | 12.87 |
| 15 | 13.43 | 13.76 | 11.19 | 8.94 | e9.03 | 10.74 | 12.18 | 12.98 | 13.73 | 13.13 | 13.58 | 12.94 |
| 20 | 13.44 | 13.47 | 11.29 | 8.09 | e9.28 | 11.03 | 12.25 | 13.14 | 13.82 | 13.19 | 13.63 | 13.02 |
| 25 | 13.49 | 12.90 | 11.20 | 8.21 | e9.52 | 11.29 | 12.45 | 13.28 | 13.54 | 13.30 | 13.37 | 13.08 |
| Eom | 13.55 | 11.96 | 10.35 | 8.39 | 9.86 | 11.55 | 12.50 | 13.37 | 13.13 | 13.43 | 12.83 | 13.13 |

1962

| | | | | | | | | | | | | |
|-----|-------|-------|-------|------|-------|-------|-------|-------|-------|--------|-------|-------|
| 5 | 13.17 | 12.24 | 12.60 | 8.93 | 9.42 | 10.98 | 12.23 | 13.24 | 13.79 | 12.65 | 10.95 | 10.46 |
| 10 | 12.90 | 12.18 | 12.64 | 8.92 | 9.62 | 11.18 | 12.43 | 13.39 | 13.90 | 10.74 | 10.74 | 8.89 |
| 15 | 12.75 | 12.29 | 11.59 | 8.91 | 9.87 | 11.43 | 12.61 | 13.52 | 14.00 | e10.78 | 10.37 | 9.01 |
| 20 | 12.46 | 12.40 | 10.65 | 8.85 | 10.11 | 11.67 | 12.80 | 13.56 | 14.02 | e10.86 | 10.37 | 9.25 |
| 25 | 12.35 | 12.52 | 10.11 | 9.02 | 10.37 | 11.89 | 12.93 | 13.67 | 14.09 | e10.94 | 10.43 | 9.56 |
| Eom | 12.23 | 12.57 | 9.88 | 9.28 | 10.69 | 12.01 | 13.09 | 13.72 | 13.88 | e11.03 | 10.49 | 9.84 |

1963

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 10.17 | 11.26 | 12.39 | 10.62 | 11.53 | 12.05 | 12.95 | 13.60 | 14.14 | 14.34 | 14.53 | 12.56 |
| 10 | 10.47 | 11.47 | 12.15 | 10.79 | 11.64 | 12.19 | 13.03 | 13.70 | 14.20 | 14.44 | 13.73 | 12.54 |
| 15 | 10.62 | 11.70 | 12.00 | 10.98 | 11.73 | 12.33 | 13.15 | 13.77 | 14.28 | 14.51 | 13.30 | 12.49 |
| 20 | 10.75 | 11.92 | 11.57 | 11.13 | 11.76 | 12.49 | 13.27 | 13.86 | 14.35 | 14.58 | 13.25 | 12.50 |
| 25 | 10.80 | 12.10 | 11.40 | 11.27 | 11.83 | 12.65 | 13.40 | 13.95 | 14.39 | 14.64 | 13.29 | 12.55 |
| Eom | 11.14 | 12.20 | 10.35 | 11.41 | 11.92 | 12.80 | 13.52 | 14.05 | 14.33 | 14.55 | 13.07 | 12.67 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | 12.72 | 11.28 | 10.61 | 9.38 | 9.34 | 11.14 | 12.49 | 13.37 | 13.95 | 14.42 | 14.70 | 14.68 |
| 10 | 12.75 | 10.86 | 10.15 | 9.21 | 9.57 | 11.39 | 12.64 | 13.49 | 14.05 | 14.49 | 14.76 | 14.77 |
| 15 | 12.75 | 10.76 | 9.95 | 9.03 | 9.90 | 11.63 | 12.76 | 13.60 | 14.14 | 14.56 | 14.82 | e14.65 |
| 20 | 12.78 | 10.75 | 9.67 | 8.76 | 10.17 | 11.87 | 12.90 | 13.71 | 14.23 | 14.57 | 14.86 | e14.67 |
| 25 | 11.90 | 10.92 | 9.59 | 8.91 | 10.48 | 12.10 | 13.06 | 13.77 | 14.28 | 14.53 | 14.88 | 14.69 |
| Eom | 11.43 | 10.97 | 9.40 | 9.11 | 10.85 | 12.34 | 13.24 | 13.85 | 14.35 | 14.64 | 14.68 | 14.04 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 13.81 | 14.11 | 12.85 | 13.09 | 12.58 | 12.71 | 13.10 | 13.55 | 13.99 | 14.35 | 14.70 | 14.89 |
| 10 | 13.80 | 13.68 | 12.75 | 13.10 | 12.55 | 12.78 | 13.18 | 13.63 | 14.07 | 14.37 | 14.75 | 14.93 |
| 15 | 13.83 | 13.35 | 12.79 | 13.05 | 12.55 | 12.79 | 13.29 | 13.68 | 14.12 | 14.42 | 14.80 | 14.94 |
| 20 | 13.90 | 13.35 | 12.89 | 12.83 | 12.56 | 12.84 | 13.30 | 13.76 | 14.17 | 14.47 | 14.83 | 14.95 |
| 25 | 13.94 | 13.35 | 12.98 | 12.70 | 12.62 | 12.94 | 13.37 | 13.84 | 14.23 | 14.55 | 14.87 | 14.96 |
| Eom | 14.02 | 12.95 | 13.06 | 12.60 | 12.68 | 13.03 | 13.49 | 13.91 | 14.30 | 14.63 | 14.86 | 14.94 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.96 | 15.01 | 12.73 | 12.25 | 12.24 | 12.58 | 13.03 | 13.43 | 13.79 | 14.07 | 14.09 | 13.74 |
| 10 | 14.96 | 15.00 | 12.46 | 12.19 | 12.27 | 12.63 | 13.13 | 13.52 | 13.79 | 14.14 | 13.80 | 13.75 |
| 15 | 14.96 | 13.69 | 12.39 | 12.16 | 12.32 | 12.67 | 13.21 | 13.61 | 13.90 | 14.22 | 13.68 | 13.75 |
| 20 | 14.97 | 13.28 | 12.40 | 12.17 | 12.39 | 12.76 | 13.27 | 13.68 | 13.95 | 14.23 | 13.66 | 13.73 |
| 25 | 14.98 | 13.25 | 12.35 | 12.16 | 12.46 | 12.85 | 13.32 | 13.72 | 13.95 | 14.19 | 13.68 | 13.70 |
| Eom | 15.00 | 13.29 | 12.30 | 12.23 | 12.51 | 12.94 | 13.34 | 13.80 | 14.06 | 14.26 | 13.73 | 13.62 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 13.55 | 12.64 | 12.78 | 11.11 | 9.47 | 9.17 | 10.65 | 12.04 | 13.05 | 13.66 | 14.16 | 13.95 |
| 10 | 13.61 | 12.66 | 12.87 | 10.95 | 9.38 | 9.40 | 10.91 | 12.22 | 13.20 | 13.75 | 14.24 | 13.81 |
| 15 | 13.48 | 12.74 | 12.34 | 10.64 | 9.10 | 9.67 | 11.14 | 12.42 | 13.32 | 13.85 | 14.31 | 13.43 |
| 20 | 13.45 | 12.50 | 12.28 | 9.93 | 9.11 | 9.96 | 11.40 | 12.60 | 13.44 | 13.94 | 14.31 | 13.24 |
| 25 | 13.19 | 12.58 | 12.39 | 9.51 | 9.26 | 10.13 | 11.62 | 12.76 | 13.55 | 14.02 | 14.22 | 13.23 |
| Eom | 12.72 | 12.67 | 11.60 | 9.39 | 8.90 | 10.40 | 11.86 | 12.93 | 13.60 | 14.09 | 14.09 | 13.28 |

e Estimated

Franklin County

423305N0723203.1. Local number Montague 5. C. A. Kurtyka. 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 dry, Aug. 24, 1966. Records available: 1936-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 15, 1963 | 5.30 | Feb. 27, 1964 | 5.00 | May 24, 1965 | 6.45 | Sept. 23, 1966 | 6.90 |
| 29 | 4.88 | Mar. 28 | 2.90 | June 23 | b7.60 | Oct. 27 | 6.50 |
| Feb. 15 | 4.85 | 31 | 2.79 | July 29 | b7.46 | Nov. 26 | 7.16 |
| 27 | 5.30 | Apr. 29 | 3.23 | Aug. 28 | 6.66 | Dec. 28 | 8.00 |
| Mar. 15 | 2.00 | May 28 | 4.50 | Sept. 29 | 7.06 | Jan. 27, 1967 | 7.60 |
| 30 | 1.70 | June 29 | 5.66 | Oct. 28 | 7.60 | Feb. 28 | 7.57 |
| Apr. 15 | 2.30 | July 29 | 6.82 | Nov. 29 | 7.20 | Mar. 29 | 5.73 |
| 29 | 3.08 | Aug. 29 | 6.92 | Dec. 22 | 7.62 | Apr. 27 | 3.42 |
| May 30 | 3.36 | Sept. 29 | 7.35 | Jan. 25, 1966 | 7.80 | May 25 | 1.45 |
| June 29 | 4.88 | Oct. 31 | 7.08 | Feb. 24 | 6.30 | June 27 | 2.99 |
| July 29 | 6.10 | Nov. 28 | 6.00 | Mar. 23 | 6.00 | July 28 | 3.28 |
| Aug. 29 | 6.70 | Dec. 28 | 3.95 | Apr. 26 | 6.78 | Aug. 29 | 5.25 |
| Sept. 28 | 6.38 | Jan. 28, 1965 | 6.78 | May 27 | 6.70 | Sept. 29 | 6.34 |
| Oct. 28 | 6.22 | Feb. 24 | 5.60 | June 23 | 7.50 | Oct. 27 | 5.33 |
| Nov. 28 | 5.12 | Mar. 24 | 5.60 | July 27 | 6.60 | Nov. 28 | 5.00 |
| Dec. 28 | 5.71 | Apr. 23 | 5.48 | Aug. 24 | (f) | Dec. 26 | 4.45 |
| Jan. 29, 1964 | 3.90 | | | | | | |

b Well pumped recently.

f Dry.

422607N0723244.1. Local number Sunderland 7. Town of Sunderland. Rt. 116 at Russellville Brook. 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 23.26 below lsd, Feb. 24, 1966. Records available: 1957-67. Water levels affected by pumping.

| | | | | | | | |
|---------------|-------|---------------|--------|---------------|--------|---------------|-------|
| Jan. 30, 1963 | 20.05 | May 28, 1964 | 11.34 | Aug. 28, 1965 | c21.50 | Nov. 26, 1966 | 18.52 |
| Feb. 27 | 20.70 | June 29 | 12.52 | Sept. 29 | c21.88 | Dec. 28 | 18.70 |
| Mar. 30 | 15.61 | July 29 | 13.40 | Oct. 28 | c22.22 | Jan. 27, 1967 | 18.92 |
| Apr. 29 | 15.23 | Aug. 31 | 15.50 | Nov. 29 | c22.72 | Feb. 28 | 19.09 |
| May 29 | 15.53 | Sept. 28 | 16.02 | Dec. 22 | c23.02 | Mar. 29 | 18.52 |
| June 27 | 15.44 | Oct. 31 | 17.30 | Jan. 25, 1966 | 22.71 | Apr. 27 | 10.17 |
| Aug. 27 | 16.28 | Nov. 25 | 18.20 | Feb. 24 | 23.26 | May 25 | 8.97 |
| Sept. 26 | 17.10 | Dec. 30 | 19.33 | Mar. 25 | 22.88 | June 27 | 7.87 |
| Oct. 28 | 18.06 | Jan. 29, 1965 | c20.23 | Apr. 26 | 18.38 | July 28 | 8.55 |
| Nov. 29 | 19.10 | Feb. 26 | c20.35 | May 27 | 17.34 | Aug. 29 | 10.29 |
| Dec. 28 | 19.62 | Mar. 24 | c20.61 | June 23 | 16.80 | Sept. 29 | 11.19 |
| Jan. 30, 1964 | 14.65 | Apr. 23 | c21.38 | July 27 | 16.65 | Oct. 27 | 13.03 |
| Feb. 27 | 17.95 | May 27 | c21.89 | Aug. 24 | 17.08 | Nov. 28 | 14.40 |
| Mar. 30 | 10.36 | June 23 | c21.73 | Sept. 23 | 17.65 | Dec. 26 | 14.97 |
| Apr. 30 | 9.42 | July 28 | c21.45 | Oct. 27 | 18.40 | | |

c Nearby well being pumped.

Hampden County

420646N0724201.1. Local number Westfield 62. Westfield Sanatorium. East Mountain Rd. near R. 20. Driven unused water-table well in glacial outwash, diam 2½ in, depth 25 ft. Lsd about 210 ft above msl. MP top of casing, 3.5 ft above lsd. Highest water level 4.09 below lsd, Apr. 30, 1958; lowest 11.18 below lsd, Sept. 5, 1957. Records available: 1957-67. Water levels affected by pumping.

| | | | | | | | |
|---------------|------|---------------|------|---------------|------|---------------|------|
| Jan. 28, 1963 | 8.04 | Apr. 28, 1964 | 5.75 | July 28, 1965 | 8.56 | Oct. 25, 1966 | 7.47 |
| Feb. 26 | 8.34 | May 28 | 6.70 | Aug. 30 | 8.99 | Nov. 28 | 7.12 |
| Mar. 28 | 5.77 | June 29 | 7.67 | Sept. 28 | 8.99 | Dec. 28 | 7.78 |
| Apr. 29 | 5.85 | July 29 | 8.34 | Nov. 1 | 8.96 | Jan. 30, 1967 | 7.22 |
| May 29 | 6.83 | Aug. 31 | 8.88 | 29 | 8.88 | Feb. 27 | 7.48 |
| June 28 | 7.36 | Sept. 29 | 9.29 | Dec. 29 | 8.86 | Mar. 29 | 6.40 |
| July 26 | 7.62 | Oct. 29 | 9.47 | Jan. 28, 1966 | 9.00 | Apr. 27 | 5.87 |
| Aug. 28 | 8.44 | Nov. 26 | 9.86 | Feb. 25 | 8.18 | May 30 | 5.82 |
| Sept. 27 | 8.94 | Dec. 28 | 9.04 | Mar. 28 | 6.59 | June 28 | 6.44 |
| Oct. 28 | 9.38 | Jan. 28, 1965 | 8.75 | Apr. 27 | 7.21 | July 31 | 7.46 |
| Nov. 28 | 8.97 | Feb. 25 | 7.90 | May 31 | 7.26 | Aug. 28 | 7.81 |
| Dec. 27 | 7.56 | Mar. 29 | 7.48 | June 28 | 6.80 | Sept. 29 | 8.97 |
| Jan. 28, 1964 | 6.19 | Apr. 29 | 7.16 | July 28 | 7.56 | Oct. 30 | 8.94 |
| Feb. 27 | 6.61 | May 28 | 7.82 | Aug. 24 | 8.22 | Nov. 29 | 8.97 |
| Mar. 27 | 5.85 | June 22 | 8.46 | Sept. 26 | 7.96 | Dec. 27 | 7.55 |

Hampshire County

421356N0723221.1. Local number Granby 68. Holyoke Water Power Co. Morgan St. 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 11.17 below lsd, Nov. 25, 1964. Records available: 1954-67.

421356N0723221.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 30, 1963 | 9.15 | Apr. 30, 1964 | 6.50 | July 27, 1965 | 10.14 | Oct. 26, 1966 | 9.89 |
| Feb. 28 | 8.99 | May 28 | 7.62 | Aug. 26 | 10.32 | Nov. 26 | 8.85 |
| Mar. 29 | 6.10 | July 2 | 8.98 | Sept. 28 | 10.58 | Dec. 27 | 9.03 |
| Apr. 30 | 7.12 | 30 | 9.91 | Oct. 26 | 10.52 | Jan. 30, 1967 | 8.53 |
| May 29 | 7.58 | Aug. 28 | 10.25 | Nov. 23 | 10.59 | Feb. 28 | 8.47 |
| June 28 | 8.33 | Sept. 25 | 10.84 | Dec. 30 | 10.12 | Mar. 30 | 6.86 |
| July 29 | 8.93 | Oct. 30 | 11.08 | Jan. 24, 1966 | 10.04 | Apr. 26 | 6.12 |
| Aug. 28 | 9.63 | Nov. 25 | 11.17 | Feb. 22 | 9.24 | May 24 | 6.66 |
| Oct. 2 | 9.89 | Dec. 28 | 10.58 | Mar. 22 | 8.28 | June 26 | 7.08 |
| 25 | 10.23 | Jan. 28, 1965 | 10.10 | Apr. 24 | 8.24 | July 31 | 8.06 |
| Nov. 27 | 9.68 | Feb. 25 | 9.39 | May 24 | 8.22 | Aug. 28 | 8.67 |
| Jan. 1, 1964 | 8.83 | Mar. 25 | 8.85 | June 22 | 8.65 | Sept. 26 | 9.44 |
| 27 | 7.52 | Apr. 27 | 8.29 | July 26 | 9.47 | Oct. 26 | 9.55 |
| Feb. 25 | 7.82 | May 25 | 8.72 | Aug. 23 | 10.28 | Nov. 27 | 9.38 |
| Mar. 27 | 6.90 | June 22 | 9.35 | Sept. 23 | 10.50 | Dec. 27 | 8.13 |
| Apr. 28 | 6.43 | | | | | | |

Middlesex County

422316N0710925.1. Local number Cambridge 667. Cambridge Water Dept. Blanchard Rd. and Concord Ave. 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 5.29 below lsd, May 26, 1967; lowest 27.21 below lsd, Dec. 27, 1965. Records available: 1944-67.

| | | | | | | | |
|---------------|-------|----------------|-------|---------------|-------|---------------|-------|
| Mar. 27, 1963 | 6.29 | Sept. 29, 1964 | 8.97 | Oct. 20, 1965 | 23.16 | Dec. 27, 1966 | 17.36 |
| June 26 | 7.81 | Oct. 26 | 10.01 | Nov. 24 | 25.44 | Jan. 30, 1967 | 19.88 |
| Sept. 26 | 11.19 | Nov. 25 | 11.71 | Dec. 27 | 27.21 | Feb. 24 | 17.89 |
| Oct. 24 | 11.19 | 28 | 11.95 | Jan. 29, 1966 | 25.67 | Mar. 29 | 14.73 |
| Nov. 27 | 11.41 | Dec. 24 | 13.58 | Feb. 26 | 18.17 | Apr. 27 | 9.08 |
| Dec. 26 | 12.68 | Jan. 28, 1965 | 11.37 | Mar. 28 | 8.86 | May 26 | 5.29 |
| Jan. 28, 1964 | 12.56 | Feb. 28 | 14.11 | Apr. 25 | 7.81 | June 28 | 5.80 |
| Feb. 27 | 7.78 | Mar. 31 | 11.11 | May 20 | 8.98 | July 28 | 8.16 |
| Mar. 27 | 6.28 | Apr. 23 | 11.22 | June 28 | 10.28 | Aug. 28 | 9.06 |
| Apr. 24 | 6.24 | May 24 | 13.39 | July 29 | 12.15 | Sept. 27 | 10.43 |
| May 25 | 6.73 | June 22 | 16.94 | Aug. 22 | 14.85 | Oct. 30 | 11.07 |
| June 29 | 10.67 | July 23 | 20.76 | Sept. 28 | 18.04 | Nov. 27 | 14.20 |
| July 28 | 8.70 | Aug. 27 | 22.44 | Oct. 21 | 19.03 | Dec. 26 | 15.02 |
| Aug. 31 | 6.76 | Sept. 21 | 23.67 | Nov. 23 | 18.08 | | |

423845N0712314.1. Local number Chelmsford 68. Mrs. Harold Blackie. Middlesex St. and Groton Rd. 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: 1939-67.

| | | | | | | | |
|---------------|-------|----------------|-------|---------------|-------|---------------|-------|
| Mar. 28, 1963 | 7.37 | Sept. 29, 1964 | 12.21 | Oct. 20, 1965 | 10.80 | Dec. 27, 1966 | 9.23 |
| June 26 | 9.64 | Oct. 26 | 11.96 | Nov. 21 | 10.38 | Jan. 30, 1967 | 9.09 |
| Sept. 26 | 11.70 | Nov. 25 | 9.51 | Dec. 29 | 9.74 | Feb. 24 | 9.40 |
| Oct. 24 | 11.55 | 28 | 9.36 | Jan. 28, 1966 | 9.50 | Mar. 29 | 8.60 |
| Nov. 27 | 9.30 | Dec. 24 | 10.76 | Feb. 26 | 8.65 | Apr. 27 | 6.33 |
| Dec. 27 | 8.61 | Jan. 28, 1965 | 10.55 | Mar. 29 | 7.80 | May 26 | 6.85 |
| Jan. 28, 1964 | 8.24 | Feb. 23 | 10.13 | Apr. 25 | 8.50 | June 28 | 8.03 |
| Feb. 27 | 7.26 | Mar. 31 | 9.39 | May 20 | 8.74 | July 28 | 9.40 |
| Mar. 27 | 8.19 | Apr. 23 | 8.45 | June 28 | 9.22 | Aug. 28 | 10.44 |
| Apr. 24 | 7.73 | May 24 | 8.65 | July 28 | 10.60 | Sept. 27 | 11.27 |
| May 25 | 9.13 | June 22 | 9.89 | Aug. 22 | 11.58 | Oct. 30 | 10.32 |
| June 29 | 10.69 | July 23 | 10.92 | Sept. 27 | 11.36 | Nov. 27 | 9.22 |
| July 28 | 11.21 | Aug. 27 | 11.70 | Oct. 20 | 11.04 | Dec. 26 | 7.94 |
| Aug. 31 | 11.72 | Sept. 21 | 11.59 | Nov. 23 | 9.17 | | |

423812N0711748.1. Local number Lowell 14. Rogers Hall School. Rogers St. and Fort Hill Ave. Drilled 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 19.79 (corrected) below lsd, Dec. 29, 1965. Records available: 1939-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 29, 1963 | 11.41 | May 25, 1964 | 10.45 | July 23, 1965 | 15.77 | Oct. 20, 1966 | 17.40 |
| Feb. 26 | 11.88 | June 29 | 12.92 | Aug. 27 | 17.05 | Nov. 23 | 16.76 |
| Mar. 27 | 10.07 | July 28 | 14.30 | Sept. 21 | 17.92 | Dec. 27 | 16.22 |
| Apr. 26 | 10.54 | Aug. 31 | 15.64 | Oct. 20 | 18.76 | Jan. 30, 1967 | 15.63 |
| May 27 | 11.46 | Sept. 29 | 16.75 | Nov. 21 | 19.46 | Feb. 24 | 14.56 |
| June 26 | 13.17 | Oct. 26 | 17.59 | Dec. 29 | 19.79 | Mar. 29 | 12.85 |
| July 30 | 14.59 | Nov. 25 | 18.09 | Jan. 28, 1966 | 19.30 | Apr. 27 | 10.38 |
| Aug. 27 | 15.56 | 28 | 18.14 | Feb. 28 | 16.70 | May 26 | 9.80 |
| Sept. 26 | 16.73 | Dec. 24 | 17.75 | Mar. 29 | 13.52 | June 28 | 11.20 |
| Oct. 24 | 17.30 | Jan. 28, 1965 | 15.95 | Apr. 25 | 13.20 | July 28 | 12.66 |
| Nov. 27 | 15.45 | Feb. 23 | 15.85 | May 27 | 13.00 | Aug. 28 | 14.18 |
| Dec. 27 | 14.20 | Mar. 31 | 15.23 | June 28 | 13.98 | Sept. 27 | 15.44 |
| Jan. 28, 1964 | 13.77 | Apr. 23 | 14.60 | July 28 | 14.76 | Oct. 30 | 16.66 |
| Feb. 27 | 12.31 | May 24 | 13.90 | Aug. 22 | 16.12 | Nov. 27 | 17.19 |
| Mar. 27 | 10.04 | June 22 | 14.68 | Sept. 28 | 17.20 | Dec. 26 | 15.64 |
| Apr. 24 | 9.14 | | | | | | |

423329N0711225.1. Local number Wilmington 10. L. Chisholm. Hopkins St. and Shawsheen Ave. 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. Highest water level 0.71 below lsd, May 31, 1960; lowest dry, Dec. 13, 1941, Oct. 30, 1957. Records available: 1940-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 29, 1963 | 2.15 | Apr. 24, 1964 | 1.35 | July 23, 1965 | 6.19 | Oct. 20, 1936 | 7.15 |
| Feb. 26 | 2.61 | May 25 | 3.04 | Aug. 27 | 7.61 | Nov. 23 | 4.25 |
| Mar. 27 | 1.05 | June 29 | 5.24 | Sept. 21 | 8.45 | Dec. 27 | 4.11 |
| Apr. 26 | 1.69 | July 28 | 6.41 | Nov. 1 | 8.84 | Jan. 30, 1937 | 1.83 |
| May 27 | 2.53 | Aug. 31 | 7.82 | Dec. 7 | 9.06 | Feb. 24 | 2.37 |
| June 26 | 4.57 | Sept. 29 | 8.70 | 29 | 7.52 | Mar. 29 | 1.16 |
| July 30 | 6.27 | Oct. 26 | 8.62 | Jan. 28, 1966 | 7.17 | Apr. 27 | 1.30 |
| Aug. 27 | 7.17 | Nov. 28 | 8.43 | Feb. 26 | 4.61 | May 26 | 1.06 |
| Sept. 26 | 8.24 | Dec. 24 | 6.22 | Mar. 29 | 1.47 | June 28 | 2.40 |
| Oct. 24 | 8.17 | Jan. 28, 1965 | 4.15 | Apr. 25 | 1.70 | July 28 | 3.77 |
| Nov. 27 | 2.47 | Feb. 23 | 3.23 | May 20 | 2.10 | Aug. 28 | 4.26 |
| Dec. 26 | 2.17 | Mar. 31 | 1.55 | June 28 | 4.07 | Sept. 27 | 5.19 |
| Jan. 28, 1964 | 1.30 | Apr. 23 | 1.62 | July 28 | 6.45 | Oct. 30 | 5.75 |
| Feb. 27 | 1.62 | May 24 | 2.96 | Aug. 22 | 7.50 | Nov. 27 | 3.44 |
| Mar. 27 | 1.22 | June 22 | 4.06 | Sept. 28 | 8.04 | Dec. 26 | 1.61 |

423401N0710938.1. Local number Wilmington 78. Town of Wilmington. Whitefield School, Middlesex Ave. Dug unused 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, 0.33 ft above lsd. Highest water level 4.90 below lsd, May 2, 1953; lowest 11.27 below lsd, Oct. 30, 1957. Records available: 1951-67.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|-------|-------|------|
| 5 | 7.47 | 7.80 | 8.27 | 6.44 | 7.34 | 7.95 | 8.85 | 9.43 | 10.03 | 10.12 | 10.05 | 7.45 |
| 10 | 7.64 | 7.88 | 7.70 | 6.53 | 7.45 | 8.07 | 8.80 | 9.55 | 10.12 | 10.10 | 8.94 | 7.40 |
| 15 | 7.70 | 7.97 | 7.34 | 6.75 | 7.55 | 8.22 | 9.00 | 9.63 | 10.20 | 10.13 | 8.29 | 7.26 |
| 20 | 7.20 | 8.04 | 7.01 | 6.90 | 7.58 | 8.36 | 9.07 | 9.73 | 10.27 | 10.16 | 8.20 | 7.52 |
| 25 | 7.53 | 8.12 | 6.77 | 7.07 | 7.67 | 8.52 | 9.15 | 9.82 | 10.30 | 10.24 | 8.23 | 7.69 |
| Eom | 7.74 | 8.19 | 6.50 | 7.23 | 7.80 | 8.68 | 9.32 | 9.92 | 10.17 | 10.14 | 7.80 | 7.93 |

1964

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 5 | 7.99 | 7.08 | 6.81 | 6.34 | 6.61 | 7.95 | 8.85 | 9.43 | 10.08 | 10.50 | 10.25 | 10.10 |
| 10 | 7.92 | 6.85 | 6.71 | 6.14 | 6.82 | 8.12 | 8.95 | 9.54 | 10.18 | 10.55 | 10.27 | 9.99 |
| 15 | 8.09 | 6.97 | 6.43 | 6.00 | 7.07 | 8.27 | 9.02 | 9.66 | 10.26 | 10.60 | 10.31 | e9.78 |
| 20 | 7.07 | 7.11 | 6.33 | 5.93 | 7.26 | 8.44 | 9.08 | 9.78 | 10.34 | 10.53 | 10.33 | e9.60 |
| 25 | 7.25 | 7.30 | 6.30 | 6.12 | 7.47 | 8.59 | 9.18 | 9.87 | 10.37 | 10.35 | 10.35 | 9.44 |
| Eom | 7.15 | 7.33 | 6.15 | 6.35 | 7.76 | 8.74 | 9.32 | 9.99 | 10.45 | 10.28 | 10.23 | 8.66 |

1965

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| 5 | 8.39 | 8.79 | 8.03 | 7.87 | 7.80 | 8.45 | 8.89 | 9.54 | 10.19 | 10.43 | 10.11 | e9.84 |
| 10 | 8.41 | 8.50 | 7.92 | 7.90 | 7.93 | 8.52 | 8.99 | 9.65 | 10.27 | 10.42 | 10.11 | e9.82 |
| 15 | 8.50 | 8.39 | 7.88 | 7.88 | 8.06 | 8.57 | 9.09 | 9.77 | 10.33 | 10.35 | 10.09 | e9.72 |
| 20 | 8.58 | 8.35 | 7.94 | 7.77 | 8.17 | 8.63 | 9.19 | 9.85 | 10.35 | 10.33 | 10.04 | e9.65 |
| 25 | 8.64 | 6.96 | 8.03 | 7.70 | 8.29 | 8.72 | 9.30 | 9.93 | 10.38 | 10.22 | 10.02 | e9.62 |
| Eom | 8.70 | 8.05 | 7.90 | 7.68 | 8.40 | 8.80 | 9.44 | 10.09 | 10.40 | 10.14 | e9.87 | 9.44 |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|-------|-------|------|------|
| 5 | 9.30 | 8.83 | 6.84 | 6.94 | 7.69 | 7.85 | 8.35 | 9.16 | 9.99 | 10.10 | 8.55 | 8.74 |
| 10 | 9.16 | 8.78 | 6.58 | 7.12 | 7.76 | 7.91 | 8.47 | 9.29 | 10.06 | 10.06 | 8.09 | 8.73 |
| 15 | 9.02 | 7.89 | 6.55 | 7.27 | 7.77 | 8.00 | 8.62 | 9.42 | 10.13 | 10.05 | 8.82 | 8.73 |
| 20 | 8.98 | 7.44 | 6.60 | 7.44 | 7.78 | 8.05 | 8.75 | 9.56 | 10.17 | 9.98 | 8.72 | 8.73 |
| 25 | 8.94 | 7.34 | 6.61 | 7.54 | 7.80 | 8.05 | 8.90 | 9.73 | 10.16 | 9.85 | 8.71 | 8.71 |
| Eom | 8.84 | 7.35 | 6.76 | 7.64 | 7.78 | 8.19 | 9.03 | 9.91 | 10.21 | 9.76 | 8.73 | 8.66 |

1967

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 8.60 | 7.85 | 8.09 | 6.92 | 6.59 | 6.46 | 7.48 | 8.23 | 8.80 | 9.07 | 8.35 | 8.26 |
| 10 | 8.50 | 7.82 | 7.74 | 6.78 | 6.38 | 6.69 | 7.61 | 8.35 | 8.87 | 9.11 | 8.38 | 8.07 |
| 15 | 8.44 | 7.79 | 7.51 | 6.77 | 6.19 | 6.90 | 7.75 | 8.48 | 8.95 | 9.19 | 8.40 | 7.81 |
| 20 | 8.43 | 7.80 | 7.48 | 6.35 | 6.39 | 7.08 | 7.92 | 8.60 | 9.05 | 9.24 | 8.23 | 7.74 |
| 25 | 8.34 | 7.92 | 7.30 | 6.19 | 6.13 | 7.15 | 7.74 | 8.73 | 9.15 | 9.29 | 8.92 | 7.83 |
| Eom | 8.08 | 7.97 | 7.08 | 6.37 | 6.13 | 7.35 | 8.13 | 8.69 | 9.04 | 9.33 | 8.57 | 7.89 |

e Estimated.

422757N0710938.1. Local number Woburn 38. City of Woburn. Woburn Parkway. Driven unused water-table well in glacial drift, diam 2½ in, depth 21 ft. Lsd 51.66 ft above msl. MP lowest point on top of ben* casing, 1.50 ft above lsd. Highest water level 6.69 below lsd, Mar. 29, 1963; lowest dry, Dec. 27, 1965. Record* available: 1940-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 8.58 | Mar. 27, 1964 | 9.32 | Apr. 23, 1965 | 8.40 | June 28, 1936 | 8.35 |
| Feb. 26 | (j) | Apr. 24 | 8.74 | May 24 | 8.79 | July 29 | 9.36 |
| Mar. 29 | 6.69 | May 25 | 9.30 | June 22 | 9.00 | Aug. 22 | 10.42 |
| Apr. 26 | 9.04 | June 29 | 10.85 | July 23 | 11.04 | Sept. 28 | 10.90 |
| May 27 | 10.22 | July 28 | 11.47 | Aug. 27 | 14.73 | Oct. 21 | 11.36 |
| June 26 | 11.24 | Aug. 31 | 14.81 | Sept. 21 | 16.76 | Nov. 23 | 9.16 |
| July 30 | 13.56 | Sept. 29 | 17.07 | Oct. 20 | 18.21 | Dec. 27 | 8.90 |
| Aug. 27 | 15.26 | Oct. 26 | 17.50 | Nov. 24 | 20.20 | Jan. 30, 1937 | 7.27 |
| Sept. 26 | 16.80 | Nov. 25 | 18.06 | Dec. 27 | (f) | Feb. 24 | 7.30 |
| Oct. 24 | 17.49 | 28 | 18.12 | Jan. 29, 1966 | 18.80 | Mar. 29 | 6.44 |
| Nov. 27 | 11.72 | Dec. 24 | 17.30 | Feb. 26 | 13.28 | Apr. 27 | 6.23 |
| Dec. 26 | 9.36 | Jan. 28, 1965 | 12.73 | Mar. 28 | 7.02 | May 26 | 6.88 |
| Jan. 28, 1964 | 7.40 | Feb. 23 | 10.53 | Apr. 25 | 8.81 | June 28 | 8.39 |
| Feb. 27 | 8.79 | Mar. 31 | 8.75 | May 20 | 7.12 | July 28 | 8.29 |

422757N0710938, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Aug. 28, 1967 | 8.70 | Oct. 30, 1967 | 11.81 | Nov. 27, 1967 | 13.05 | Dec. 26, 1967 | 10.49 |
| Sept. 27 | 10.83 | | | | | | |
| f Dry. | | | | | | | |
| j Frozen. | | | | | | | |

Plymouth County

415453N0704349.1. Local number Plymouth 22. U.S. Geol. Survey. Meadow Rd. at Plymouth Airport. Driven unused water-table observation well in sand, diam $1\frac{1}{4}$ in, depth 42 ft, screened 40-42. Lsd about 145 ft above msl. MP top of casing, at lad. Highest water level 19.82 below lsd, May 26, 1958; lowest 28.99 below lsd, Jan. 28, 1966. Records available: 1956-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 30, 1963 | 23.20 | Apr. 28, 1964 | 22.72 | July 26, 1965 | 26.53 | Oct. 28, 1966 | 28.63 |
| Feb. 7 | 23.16 | May 27 | 22.96 | Aug. 24 | 26.91 | Nov. 28 | 28.36 |
| Mar. 5 | 22.58 | June 24 | 23.52 | Sept. 27 | 27.33 | Dec. 20 | 28.20 |
| 30 | 23.16 | July 24 | 23.95 | Oct. 28 | 27.71 | Jan. 26, 1967 | 28.09 |
| May 2 | 23.95 | Aug. 26 | 25.82 | Nov. 22 | 28.04 | Feb. 23 | 27.37 |
| 27 | 23.92 | Sept. 25 | 25.40 | Dec. 28 | 28.44 | Mar. 31 | 26.73 |
| June 28 | 23.50 | Oct. 28 | 25.95 | Jan. 28, 1966 | 28.99 | Apr. 26 | 26.20 |
| July 2 | 23.69 | Nov. 27 | 26.36 | Feb. 28 | 28.21 | May 31 | 24.72 |
| 28 | 24.08 | Dec. 28 | 26.70 | Mar. 28 | 28.12 | June 28 | 23.15 |
| Aug. 28 | 23.90 | Jan. 28, 1965 | 26.33 | Apr. 26 | 27.94 | July 27 | 23.42 |
| Sept. 28 | 24.90 | Feb. 26 | 26.04 | May 26 | 28.02 | Aug. 25 | 23.80 |
| Oct. 28 | 25.19 | Mar. 26 | 26.07 | June 29 | 28.05 | Sept. 29 | 24.33 |
| Dec. 30 | 25.61 | Apr. 28 | 25.96 | July 25 | 28.08 | Oct. 24 | 24.68 |
| Jan. 31, 1964 | 25.11 | May 26 | 25.98 | Aug. 23 | 28.11 | Nov. 28 | 25.20 |
| Feb. 28 | 24.32 | June 25 | 26.22 | Sept. 28 | 28.40 | Dec. 26 | 25.15 |
| Mar. 30 | 23.70 | | | | | | |

Worcester County

423155N0714406.1. Local number Leominster 11. C. S. Pierce. Nashua St. and Boston and Maine RR. tracks. 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 10.07 below lsd, Nov. 25, 1964. Records available: 1939-66. Measurement discontinued.

| | | | | | | | |
|---------------|------|---------------|-------|---------------|------|---------------|------|
| Jan. 29, 1963 | 3.75 | Jan. 28, 1964 | 1.87 | Dec. 24, 1964 | 8.40 | Nov. 29, 1965 | 9.18 |
| Feb. 26 | 3.83 | Feb. 27 | 3.41 | Jan. 28, 1965 | 6.01 | Dec. 23 | 7.88 |
| Mar. 27 | 1.04 | Mar. 27 | 1.38 | Feb. 25 | 4.45 | Jan. 26, 1966 | 7.11 |
| Apr. 26 | 3.66 | Apr. 24 | 2.45 | Mar. 22 | 3.18 | Feb. 27 | 3.23 |
| May 27 | 4.41 | May 25 | 5.00 | Apr. 23 | 2.79 | Mar. 28 | 2.33 |
| June 26 | 6.25 | June 29 | 7.48 | May 27 | 5.76 | Apr. 27 | 4.05 |
| July 30 | 8.35 | July 28 | 8.48 | June 29 | 7.03 | May 27 | 4.10 |
| Aug. 27 | 9.21 | Aug. 31 | 9.25 | July 30 | 8.50 | June 24 | 5.25 |
| Sept. 26 | 9.67 | Sept. 29 | 9.69 | Aug. 28 | 9.31 | July 25 | 7.73 |
| Oct. 24 | 9.39 | Oct. 26 | 9.99 | Sept. 30 | 9.67 | Aug. 25 | 8.87 |
| Nov. 27 | 4.25 | Nov. 25 | 10.07 | Oct. 29 | 9.05 | Sept. 27 | 8.64 |
| Dec. 27 | 4.39 | 28 | 10.00 | | | | |

422805N0714808.1. Local number Sterling 1. Nunzio Lanciani. Justice Hill and South Nelson Rds. 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 lad. Highest water level 2.01 below lsd, May 21, 1954; lowest dry, Nov. 15, 28, 1964. Records available: 1947-67.

| | | | | | | | |
|---------------|-------|---------------|-------|----------------|-------|---------------|-------|
| Jan. 14, 1963 | 3.15 | Dec. 27, 1963 | 3.28 | Sept. 29, 1964 | 13.75 | Mar. 24, 1966 | 3.00 |
| 28 | 3.08 | Jan. 14, 1964 | 3.25 | Oct. 15 | 13.76 | Apr. 27 | 3.31 |
| Feb. 14 | 3.34 | 30 | 3.10 | 26 | 13.60 | May 27 | 3.41 |
| 27 | 3.37 | Feb. 14 | 2.88 | Nov. 15 | (f) | June 24 | 4.87 |
| Mar. 14 | 2.55 | 27 | 3.18 | 28 | (f) | July 25 | 8.67 |
| 29 | 2.75 | Mar. 15 | 2.68 | Dec. 15 | 13.78 | Aug. 25 | 11.49 |
| Apr. 15 | 3.19 | 31 | 2.96 | 24 | 13.45 | Sept. 26 | 12.32 |
| 29 | 3.37 | Apr. 15 | 2.82 | 28 | 13.16 | Oct. 27 | 11.15 |
| May 15 | 3.29 | 24 | 2.98 | Jan. 28, 1965 | 5.27 | Nov. 26 | 4.62 |
| 29 | 4.04 | 29 | 3.28 | Feb. 26 | 3.70 | Dec. 29 | 3.32 |
| June 15 | 4.82 | May 15 | 2.88 | Mar. 22 | 3.14 | Jan. 27, 1967 | 2.95 |
| 28 | 6.22 | 25 | 4.12 | Apr. 23 | 3.08 | Feb. 28 | 3.15 |
| July 15 | 8.73 | 27 | 4.45 | May 27 | 4.57 | Mar. 30 | 2.34 |
| 29 | 10.16 | June 15 | 6.34 | June 28 | 6.73 | Apr. 28 | 2.94 |
| Aug. 15 | 11.89 | 28 | 7.63 | July 30 | 10.46 | May 23 | 3.17 |
| 28 | 12.01 | 29 | 7.95 | Aug. 24 | 12.07 | June 28 | 3.60 |
| Sept. 14 | 12.72 | July 15 | 9.32 | Sept. 30 | 13.68 | July 26 | 3.65 |
| 27 | 13.21 | 28 | 9.48 | Oct. 29 | 14.08 | Aug. 25 | 7.08 |
| Oct. 14 | 13.30 | 29 | 9.47 | Nov. 29 | 13.92 | Sept. 29 | 10.37 |
| 28 | 13.57 | Aug. 15 | 11.16 | Dec. 23 | 11.80 | Oct. 25 | 9.22 |
| Nov. 14 | 7.22 | 31 | 12.41 | Jan. 26, 1966 | 7.48 | Nov. 24 | 6.92 |
| 27 | 5.07 | Sept. 15 | 13.10 | Feb. 27 | 3.15 | Dec. 26 | 2.95 |
| Dec. 14 | 3.05 | 28 | 13.68 | | | | |

f Dry.

424204N0720152.1. Local number Winchendon 13. W. B. Hart. Forristall and Crosby Rds. Dug unused water-table well in glacial drift, diam 24 in, depth 12 ft, cased with stone. Lsd 1209.36 ft above msl. MT top of wooden cover, 0.82 ft above lsd. Highest water level 1.86 below lsd, Mar. 20, 1948; lowest 13.36 below lsd, Dec. 24, 1964. Records available: 1939-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 30, 1963 | 5.85 | May 25, 1964 | 5.42 | Mar. 23, 1965 | 5.23 | Aug. 25, 1966 | 10.72 |
| Feb. 26 | 6.50 | 29 | 6.01 | Apr. 23 | 3.88 | Sept. 26 | 11.08 |
| Mar. 29 | 2.33 | June 27 | 8.37 | May 24 | 5.47 | Oct. 27 | 9.83 |
| Apr. 29 | 4.14 | 29 | 8.60 | June 29 | 8.08 | Nov. 26 | 8.54 |
| May 27 | 5.07 | July 28 | 9.60 | July 30 | 9.78 | Dec. 28 | 6.89 |
| June 28 | 7.03 | 29 | 9.61 | Aug. 28 | 10.86 | Jan. 27, 1977 | 5.38 |
| July 27 | 9.16 | Aug. 29 | 11.46 | Sept. 30 | 11.21 | Feb. 28 | 6.11 |
| Aug. 27 | 10.45 | 31 | 11.53 | Oct. 29 | 10.58 | Mar. 29 | 4.61 |
| Sept. 27 | 11.42 | Sept. 28 | 12.27 | Nov. 29 | 10.67 | Apr. 28 | 3.13 |
| Oct. 28 | 11.84 | 29 | 12.28 | Dec. 23 | 10.12 | May 26 | 2.44 |
| Nov. 28 | 8.74 | Oct. 26 | 12.66 | Jan. 26, 1966 | 8.73 | June 27 | 3.95 |
| Dec. 28 | 6.29 | 29 | 12.45 | Feb. 24 | 5.63 | July 28 | 6.32 |
| Jan. 30, 1964 | 4.04 | Nov. 25 | 13.12 | Mar. 24 | 2.93 | Aug. 30 | 7.83 |
| Feb. 26 | 6.01 | Dec. 24 | 13.36 | Apr. 27 | 3.78 | Sept. 29 | 9.42 |
| Mar. 29 | 3.71 | 26 | 13.35 | May 25 | 4.52 | Oct. 27 | 9.03 |
| 31 | 3.75 | Jan. 28, 1965 | 11.36 | June 24 | 6.92 | Nov. 28 | 6.36 |
| Apr. 24 | 3.39 | Feb. 25 | 9.05 | July 22 | 9.48 | Dec. 26 | 4.76 |
| 29 | 3.95 | | | | | | |

References

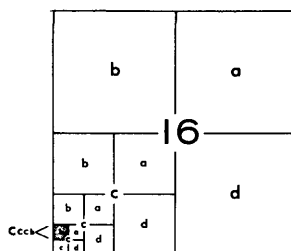
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- Williams, John R., and Willey, Richard E., 1967, Records of wells, test holes, borings, seismic data, municipal water systems, and chemical analyses of water in the northern part of the Ten Mile and Taunton River basins, Massachusetts: Massachusetts basic-data report no. 10, ground-water series: U.S. Geol. Survey open-file rept., 56 p., 1 fig., 1 pl.

MICHIGAN

The observation-well program in Michigan was continued from 1963 through 1967 in cooperation with the Michigan Department of Natural Resources (formerly Department of Conservation), through its divisions of Water Resources and Geological Survey. In order to monitor the most productive aquifers and to give better state-wide coverage, 15 wells not previously published have been added to this publication from the State network and 22 discontinued.

Well-Numbering System

The well-numbering system for Michigan was changed in 1966 to facilitate coding. The new system still indicates the location of wells within the rectangular subdivision of the land with reference to the Michigan meridian and base line in that the first two segments of the well number designate township and range. However, the third segment instead of only giving the section number and well number within the section--now gives the section number and an a, b, c, d, breakdown of the section as illustrated below. Thus, where a well was formerly designated as number 32N 6E 16-1 it can now be further broken down in the section as 32N 6E 16-cccb. This can pinpoint the location to the nearest 2.5-acre part of section 16. In the event that two or more wells are located in the same 2.5-acre part of the section, a number can follow the letters--i.e. 16-cccb-1, 2, 3, 4 etc.



Well Descriptions and Water-Level Measurements

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

Alger County

Au Train Township

461608N0863738.1. Local number 45N 19W 25-bddb. Formerly 45N 19W 25-1. U.S. Forest Service. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 66 ft. Lsd about 850 ft above msl. MP top of 3-in extension pipe, 3.60 ft above lsd. Highest water level 6.4 below lsd, June 29, 1960; lowest 14.2 below lsd, Apr. 3, 1964. Records available: 1959-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| June 10, 1959 | 12.2 | Nov. 30, 1960 | 9.4 | July 6, 1962 | 11.5 | June 30, 1964 | 13.1 |
| July 1 | 12.5 | Dec. 30 | 9.6 | Aug. 24 | 11.8 | Aug. 3 | 13.2 |
| 31 | 12.6 | Feb. 23, 1961 | 10.2 | Aug. 23 | 12.2 | 26 | 12.9 |
| Aug. 26 | 12.7 | Mar. 29 | 10.5 | Sept. 28 | 12.4 | Sept. 28 | 12.8 |
| Sept. 30 | 12.5 | Apr. 27 | 9.9 | Oct. 22 | 12.6 | Jan. 12, 1965 | 12.8 |
| Oct. 28 | 12.1 | May 29 | 10.3 | Apr. 1, 1963 | 12.7 | Apr. 8 | 13.2 |
| Nov. 27 | 11.8 | June 30 | 10.5 | 24 | 12.4 | June 3 | 11.6 |
| Dec. 31 | 12.0 | July 27 | 10.7 | June 24 | 12.8 | Sept. 1 | 12.4 |
| Jan. 29, 1960 | 12.2 | Aug. 25 | 11.3 | Aug. 7 | 13.4 | Dec. 23 | 12.0 |
| Feb. 29 | 12.3 | Sept. 29 | 11.4 | Sept. 6 | 13.6 | Mar. 31, 1966 | 11.8 |
| Mar. 31 | 12.4 | Oct. 27 | 11.6 | Nov. 6 | 14.0 | July 8 | 11.1 |
| May 3 | 10.4 | Nov. 22 | 11.4 | Dec. 2 | 13.9 | Oct. 13 | 11.8 |
| 25 | 9.5 | Jan. 8, 1962 | 11.7 | Jan. 30, 1964 | 13.7 | Jan. 26, 1967 | 11.7 |
| June 29 | 6.4 | Mar. 8 | 12.2 | Apr. 3 | 14.2 | May 12 | 10.7 |
| July 29 | 9.1 | Apr. 30 | 11.2 | 29 | 13.1 | July 13 | 11.0 |
| Oct. 20 | 9.6 | May 23 | 11.2 | May 25 | 12.9 | Nov. 9 | 11.5 |

Baraga County

Covington Township

463353N0881443.1. Local number 48N 32W 12-ddcc. Formerly 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 of Pleistocene age, diam $1\frac{1}{4}$ in, depth 10 ft, screened 7-10. Lsd about 1,630 ft above msl. MP top of casing, 0.90 ft above lsd. Highest water level 3.27 below lsd, Apr. 30, 1965; lowest 7.59 below lsd, Oct. 2, 1967. Records available: 1948-67. Measurements made by Wisconsin-Michigan Power Co.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 31, 1963 | 6.14 | May 1, 1964 | 4.80 | July 29, 1965 | 5.82 | Oct. 31, 1936 | 5.25 |
| Feb. 28 | 6.55 | June 2 | 5.24 | Sept. 2 | 5.92 | Nov. 30 | 5.17 |
| Apr. 1 | 5.48 | July 2 | 5.66 | Oct. 1 | 5.28 | Jan. 2, 1937 | 5.45 |
| May 1 | 5.01 | 31 | 5.25 | Nov. 2 | 5.24 | 31 | 5.98 |
| 31 | 5.25 | Sept. 1 | 5.43 | 30 | 5.27 | Mar. 1 | 6.18 |
| July 2 | 5.19 | Oct. 1 | 5.02 | Dec. 30 | 5.33 | Apr. 1 | 4.71 |
| 31 | 5.89 | 29 | 5.23 | Jan. 31, 1966 | 5.41 | May 1 | 6.31 |
| Aug. 29 | 5.87 | Dec. 1 | 5.30 | Mar. 1 | 5.18 | 31 | 6.89 |
| Oct. 1 | 6.06 | 30 | 5.46 | Apr. 4 | 5.32 | June 30 | 6.41 |
| 31 | 6.23 | Feb. 1, 1965 | 5.59 | May 2 | 4.99 | July 31 | 7.15 |
| Dec. 3 | 5.87 | Mar. 1 | 5.72 | 31 | 5.30 | Aug. 31 | 7.21 |
| Jan. 2, 1964 | 6.23 | Apr. 2 | 6.68 | June 30 | 5.54 | Oct. 2 | 7.59 |
| 30 | 6.52 | 30 | 3.27 | Aug. 2 | 6.06 | 31 | 6.25 |
| Feb. 27 | 7.13 | May 30 | 4.52 | 31 | 5.98 | Dec. 1 | 7.03 |
| Mar. 30 | 7.30 | June 30 | 5.39 | Sept. 30 | 5.59 | | |

Bay County

Pinconning Township

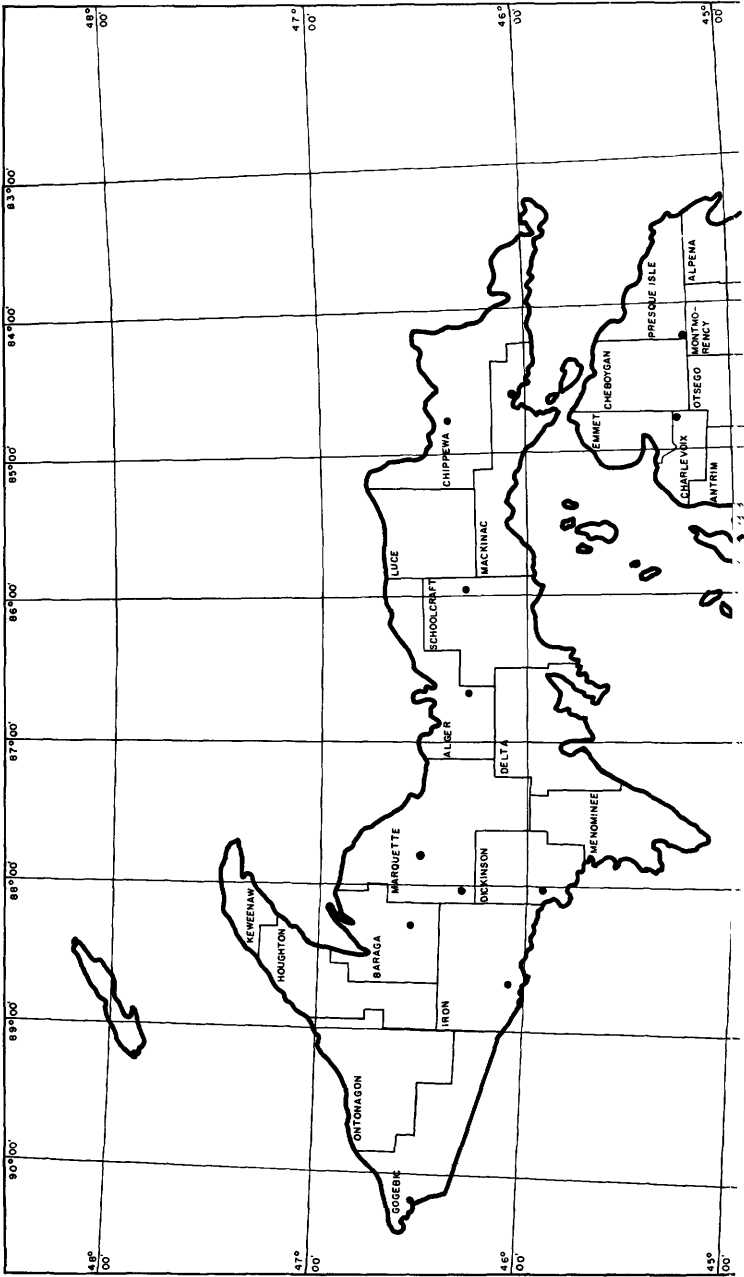
435129N0835824.1. Local number 17N 4E 22-dbbc. Formerly 17N 4E 22-1. Second Street. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in, depth 110 ft, cased to 60. Lsd about 620 ft above msl. MP top of recorder base, 2.0 ft above lsd. Highest water level 2.37 below lsd, Dec. 10, 1967; lowest 10.53 below lsd, Aug. 8, 1963. Records available: 1962-67. Water levels affected by regional pumping. Recording gage installed Aug. 16, 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 | .... | .... | .... | .... | .... | .... | .... | .... | 8.63 | 6.71 | 6.88 | 6.23 |
| 10 | .... | .... | .... | .... | .... | .... | .... | .... | 8.79 | 7.31 | 7.00 | .... |
| 15 | .... | .... | .... | .... | .... | .... | .... | .... | 9.90 | .... | 6.42 | .... |
| 20 | .... | .... | .... | .... | .... | .... | .... | 7.20 | 9.26 | .... | 6.21 | .... |
| 25 | .... | .... | .... | .... | .... | .... | .... | 8.35 | .... | .... | 5.45 | .... |
| Eom | .... | .... | .... | .... | .... | .... | .... | 9.00 | 7.43 | 6.65 | 6.43 | .... |
| 1963 | | | | | | | | | | | | |
| 5 | 5.07 | (k) | (k) | 5.70 | .... | 6.25 | 8.35 | 9.33 | 7.47 | 8.10 | 6.88 | 5.40 |
| 10 | 4.15 | (k) | (k) | 5.55 | 4.92 | 6.25 | 7.83 | 9.90 | 8.90 | 7.83 | 6.33 | 6.00 |
| 15 | .... | (k) | (k) | 5.31 | 4.92 | 6.36 | 8.60 | 9.10 | 8.15 | 8.07 | 6.39 | 5.60 |
| 20 | .... | (k) | (k) | 5.12 | 5.36 | 6.52 | 7.55 | 7.58 | 9.23 | 7.19 | 6.80 | 5.47 |
| 25 | .... | (k) | 6.25 | 5.10 | 5.55 | 7.75 | 8.04 | 7.45 | 8.90 | 8.35 | 6.00 | 6.32 |
| Eom | .... | (k) | 6.05 | 4.90 | 5.86 | 7.15 | 8.70 | 7.76 | 7.87 | 8.45 | 5.35 | 5.93 |
| 1964 | | | | | | | | | | | | |
| 5 | .... | 6.77 | 6.95 | .... | 5.10 | 7.15 | .... | 8.60 | 8.88 | 7.92 | 5.83 | 5.58 |
| 10 | 6.40 | 5.87 | 7.14 | 5.33 | 5.45 | 6.10 | 7.30 | 7.85 | 8.50 | 6.85 | 5.87 | 5.80 |
| 15 | 6.45 | 5.59 | 5.78 | 5.21 | 5.35 | 6.44 | 6.67 | 9.25 | 7.65 | 6.48 | 5.84 | 5.66 |
| 20 | 5.70 | 5.94 | 5.75 | 5.05 | 5.72 | 7.50 | 8.20 | 7.50 | 7.59 | 6.37 | 5.48 | 5.65 |
| 25 | 6.95 | 6.95 | 5.40 | 5.10 | 6.33 | 7.21 | 7.86 | 7.50 | 6.90 | 6.29 | 5.66 | 5.56 |
| Eom | 7.24 | 7.28 | 5.38 | 5.05 | 6.28 | 7.89 | 8.65 | 7.37 | 6.80 | 6.00 | 5.64 | 5.75 |
| 1965 | | | | | | | | | | | | |
| 5 | 5.48 | 4.76 | 4.55 | 4.70 | 5.22 | 5.86 | 6.14 | 8.79 | .... | 5.79 | 4.65 | 3.52 |
| 10 | 5.44 | 4.63 | 4.43 | 4.61 | 5.75 | 6.25 | 7.85 | 8.13 | 7.10 | 5.20 | 4.63 | 3.76 |
| 15 | 5.30 | 4.80 | 4.43 | 4.53 | 6.03 | 6.57 | 7.65 | 8.46 | 6.98 | 5.00 | 4.23 | 3.87 |
| 20 | 5.04 | 5.92 | 4.65 | 5.20 | 6.48 | 7.78 | 7.16 | 6.95 | 6.62 | 5.19 | 4.00 | 3.99 |
| 25 | 5.87 | 4.75 | 4.85 | 4.74 | 5.91 | 6.52 | 9.25 | 7.30 | 6.32 | 4.96 | 3.90 | 3.73 |
| Eom | 4.65 | 4.69 | 4.69 | 4.94 | 5.81 | 7.00 | 8.07 | 7.26 | 5.77 | 4.72 | 3.93 | 3.48 |
| 1966 | | | | | | | | | | | | |
| 5 | 3.80 | .... | 3.69 | 4.11 | 4.35 | 5.06 | 8.10 | 8.76 | 9.98 | 7.49 | 6.01 | .... |
| 10 | 3.60 | .... | 3.90 | 4.15 | 4.50 | 5.75 | 7.16 | 9.25 | 9.60 | 7.05 | 5.65 | 5.36 |
| 15 | 3.52 | .... | 3.68 | 4.10 | 4.50 | 5.30 | 7.27 | 8.74 | 8.91 | 6.60 | 5.71 | 4.76 |
| 20 | 3.41 | .... | 3.90 | 4.30 | 4.06 | 6.75 | 7.75 | 9.98 | 9.24 | 6.44 | 5.73 | 5.02 |
| 25 | 3.71 | .... | 3.97 | 5.02 | 5.11 | 8.00 | 9.83 | 8.57 | 8.15 | 7.00 | 5.02 | 4.41 |
| Eom | 3.75 | .... | 4.00 | 4.58 | 5.43 | 7.50 | 9.38 | 9.78 | 7.58 | 5.66 | 5.41 | 4.43 |
| 1967 | | | | | | | | | | | | |
| 5 | 4.66 | 4.29 | 4.90 | 3.95 | 5.15 | 6.60 | 7.02 | 7.87 | .... | 6.22 | e4.00 | 3.27 |
| 10 | 5.17 | 4.32 | 4.60 | 3.89 | 4.97 | 5.87 | 7.25 | 7.60 | 8.33 | 5.40 | 3.96 | 3.30 |
| 15 | 4.15 | 4.83 | 4.90 | 4.00 | 4.65 | 5.81 | 6.75 | 8.98 | 8.44 | 5.33 | 3.84 | 3.15 |
| 20 | 4.70 | 4.25 | 3.55 | 4.48 | 5.07 | 6.27 | 7.32 | 8.00 | 8.05 | 4.88 | 3.25 | 3.15 |
| 25 | 5.29 | 5.06 | 3.03 | 4.18 | 4.76 | 6.08 | 7.83 | 7.41 | 6.25 | 4.42 | 3.39 | 3.35 |
| Eom | 4.78 | 4.90 | .... | 4.84 | 6.02 | 6.59 | 7.59 | 8.22 | 6.05 | 4.41 | 3.34 | 3.66 |

e Estimated.

k Frozen.



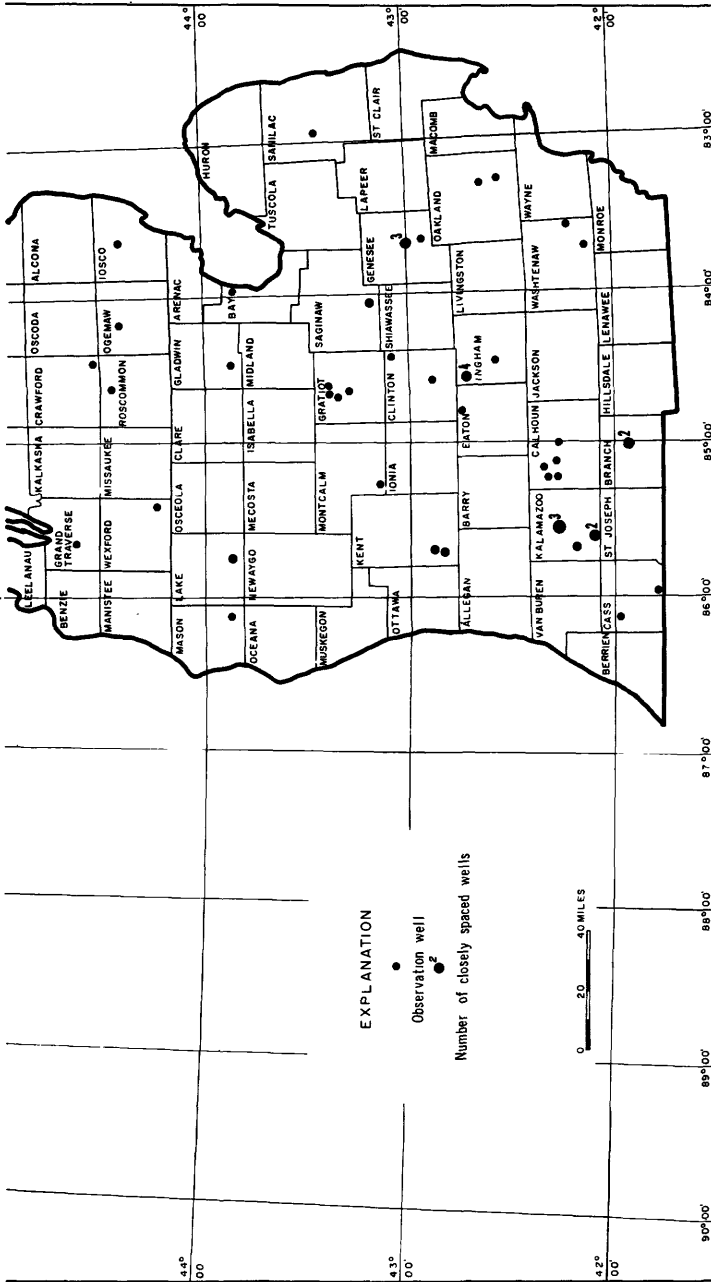


Figure 7. --Location of observation wells in Michigan, 1963-67.

Branch County

City of Coldwater

415557N0845938.1. Local number 6S 6W 22-caca. Formerly 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. Lsd about 970 ft above msl. MP top of 1-in casing extension, 10.87 ft below lsd. Highest water level 10.08 below lsd, Apr. 8, 1950; lowest 18.78 below lsd, Oct. 24, 1963. Records available: 1949-63.

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

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1963 | 15.95 | Apr. 12, 1963 | 15.51 | July 17, 1963 | 17.22 | Oct. 11, 1963 | 18.31 |
| 11 | 15.99 | 19 | 15.92 | 25 | 17.11 | 16 | 18.57 |
| 18 | 15.41 | May 2 | 15.92 | Aug. 1 | 17.30 | 24 | 18.78 |
| 25 | 15.36 | 10 | 15.97 | 8 | 17.16 | 31 | 18.07 |
| Feb. 1 | 18.62 | 16 | 16.17 | 16 | 17.05 | Nov. 6 | 18.71 |
| 8 | 17.22 | 30 | 15.60 | 22 | 17.77 | 14 | 18.23 |
| 15 | 15.67 | June 6 | 16.31 | 29 | 17.51 | 21 | 18.23 |
| 22 | 17.36 | 14 | 17.45 | 5 | 18.05 | 27 | 18.07 |
| Mar. 8 | 15.66 | 20 | 17.07 | 12 | 18.13 | Dec. 5 | 16.96 |
| 22 | 15.04 | 27 | 17.97 | 19 | 17.93 | 11 | 17.32 |
| 29 | 15.62 | July 4 | 17.37 | 26 | 17.94 | 18 | 18.07 |
| Apr. 5 | 14.36 | 10 | 17.73 | Oct. 4 | 18.43 | 26 | 18.17 |

415602N0845937.1. Local number 6S 6W 22-caba. Formerly 6S 6W 22-3. City of Coldwater. Drilled unused (test for PW 4) artesian well in sand and gravel of Pleistocene age, diam 6 in, depth 113 ft, screened 73-113. MP top of recorder base, 2.50 ft above lsd which is about 970 ft above msl. Highest water level 10.0 below lsd, Apr. 3, 1967; lowest 24.1 below lsd, Aug. 7, 1964. Records available: 1964-67. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | .... | 23.3 | 23.3 | 19.5 | 20.4 | 22.0 | 21.8 | 23.8 | 22.7 | 20.9 | 22.5 | .... |
| 10 | .... | 22.8 | 20.7 | 17.6 | .... | 21.6 | 21.4 | 23.2 | .... | 23.3 | 22.3 | .... |
| 15 | .... | 23.0 | 20.5 | .... | .... | .... | 21.6 | 22.6 | 18.8 | 22.7 | .... | 22.0 |
| 20 | .... | 22.8 | 23.2 | 19.4 | 20.4 | .... | 23.0 | 23.3 | 23.0 | 21.1 | 21.7 | 20.7 |
| 25 | 19.2 | 20.4 | 20.7 | 18.9 | 21.4 | 21.9 | 23.4 | 23.0 | 23.4 | 21.6 | 21.3 | 20.5 |
| Eom | 20.3 | 20.5 | 22.5 | 19.1 | 20.7 | 24.0 | 23.7 | 23.3 | 23.2 | 23.3 | 17.8 | 19.2 |

1965

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 19.3 | 18.3 | 19.5 | 17.0 | 18.7 | 19.8 | 19.6 | 20.7 | 17.3 | 20.4 | 20.2 | 18.4 |
| 10 | 20.2 | 20.4 | 19.4 | 16.6 | 18.7 | 20.1 | 20.2 | 20.4 | 19.7 | 19.4 | 17.6 | 20.4 |
| 15 | 20.2 | 20.0 | 19.4 | 19.2 | .... | 21.0 | 21.2 | 20.2 | 19.7 | 20.5 | 18.2 | 17.5 |
| 20 | 21.4 | 18.8 | 16.8 | 18.3 | 20.2 | 19.8 | 21.2 | 17.9 | 20.0 | 20.4 | 18.0 | 17.5 |
| 25 | 21.0 | 18.5 | 18.7 | 15.8 | 19.3 | 20.5 | 19.2 | 17.9 | 20.3 | 17.9 | 20.1 | 17.8 |
| Eom | 18.3 | 17.3 | 19.3 | 18.5 | 18.0 | 18.0 | 21.2 | 20.3 | 20.4 | 17.8 | 20.3 | 16.8 |

1966

| | | | | | | | | | | | | |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 15.7 | 18.1 | 18.3 | 16.5 | .... | 19.3 | 17.4 | 21.0 | 17.9 | 17.5 | 18.6 | .... |
| 10 | 15.6 | 16.9 | 17.1 | 16.8 | .... | 19.3 | 17.2 | 20.5 | 20.9 | 21.1 | 20.8 | 15.6 |
| 15 | 14.5 | 17.0 | 19.4 | 19.5 | .... | 19.5 | 19.9 | 17.9 | 21.1 | 17.1 | 19.4 | 17.0 |
| 20 | 14.7 | 16.5 | 17.8 | 19.5 | .... | 19.5 | 19.3 | 17.8 | 18.0 | 20.8 | 19.0 | 17.8 |
| 25 | e17.1 | 19.9 | 19.3 | 17.2 | 15.8 | 20.2 | 21.0 | 17.7 | 17.2 | 18.5 | 17.4 | 15.6 |
| Eom | 18.5 | 18.4 | 18.3 | .... | 18.8 | 20.0 | 16.7 | 20.8 | 21.1 | 18.5 | .... | 15.2 |

1967

| | | | | | | | | | | | | |
|-----|-------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | e16.0 | 14.8 | 15.2 | 13.7 | 15.6 | 19.2 | 12.7 | 16.7 | 16.7 | 14.0 | 16.4 | 18.3 |
| 10 | 15.3 | 14.6 | 16.3 | 17.6 | 12.5 | 15.4 | 15.3 | 15.7 | 16.9 | 16.9 | 13.8 | 15.5 |
| 15 | 14.2 | 15.2 | 14.9 | 14.2 | 18.5 | 19.7 | 15.8 | 16.7 | 18.2 | 17.5 | 13.9 | 11.4 |
| 20 | 16.1 | 19.4 | 18.8 | 13.6 | 14.5 | 15.2 | 13.1 | 17.1 | 15.4 | 14.0 | 12.4 | 11.4 |
| 25 | 18.3 | 12.9 | 14.0 | 11.4 | 11.8 | 13.9 | 14.0 | 14.5 | 21.1 | 13.0 | 15.1 | 13.9 |
| Eom | 15.0 | 19.5 | 13.9 | 14.1 | 15.1 | 12.8 | 14.3 | 14.6 | 17.2 | 13.0 | 14.2 | 11.9 |

e Estimated.

Calhoun County

City of Battle Creek

421928N0851230.1. Local number 2S 8W 2-dbdd. Formerly 2S 8W 2-1. Oliver Electrical Mfg. Co. Angell and Lafayette Sts. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 10 in, depth 92 ft, cased to 45. Lsd 819.99 ft above msl. MP top of recorder base, 1.00 ft above lsd. Highest water level 4.75 below lsd, Apr. 9, 1947; lowest 15.64 below lsd, Oct. 2, 1963. Records available: 1945-67. Water levels affected by regional pumping. Publication discontinued in series of U.S. Geological Survey water-supply papers.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.40 | 14.75 | 14.86 | 13.92 | 14.15 | 14.44 | 14.58 | .... | 15.31 | 15.45 | 15.01 | 15.23 |
| 10 | 14.62 | 14.65 | 14.56 | 14.01 | 14.34 | 14.21 | 14.93 | .... | 15.43 | 15.55 | 14.85 | 15.35 |
| 15 | 14.64 | 14.83 | 14.50 | 14.02 | 14.14 | 14.32 | 14.85 | .... | 15.32 | 15.25 | 15.10 | .... |
| 20 | 14.62 | 14.83 | 14.31 | 14.03 | 14.15 | 14.49 | 15.07 | .... | 15.35 | 15.03 | 14.88 | .... |
| 25 | 14.71 | 14.80 | 14.00 | 14.16 | 14.10 | 14.55 | 15.25 | 15.13 | 15.45 | 15.15 | 14.83 | .... |
| Eom | 14.69 | 15.11 | 13.85 | 14.26 | 14.22 | 14.50 | .... | 15.27 | 15.45 | 15.10 | 14.75 | .... |

421928N0851230.1--Continued.

| Lowest water level for the day, from recorder graph, 1964 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 15.35 | 15.50 | 15.64 | 14.75 | 14.83 | 14.76 | 14.79 | 15.43 | 14.97 | 14.96 | 15.28 | 15.29 |
| 10 | 15.50 | 15.47 | 15.49 | 14.76 | 14.73 | 14.76 | 15.11 | 15.45 | 15.16 | 14.95 | 15.31 | 15.43 |
| 15 | 15.53 | 15.35 | 15.25 | 14.78 | 14.83 | 14.88 | 15.19 | 15.17 | 15.11 | 15.14 | 15.10 | 15.28 |
| 20 | 15.50 | 15.55 | 15.41 | 14.80 | 14.73 | 14.73 | 15.21 | 15.41 | 15.00 | 15.16 | 15.41 | 15.05 |
| 25 | 15.36 | 15.60 | 15.45 | 14.76 | 14.72 | 14.95 | 15.20 | 15.09 | 15.14 | 14.91 | 15.32 | 14.95 |
| Eom | 15.60 | 15.45 | 15.21 | 14.88 | 14.40 | 14.91 | 15.41 | 15.02 | 15.01 | 15.13 | 15.24 | 15.00 |
| 1965 | | | | | | | | | | | | |
| 5 | 14.97 | 14.98 | 14.19 | 13.91 | 13.96 | 13.73 | 14.15 | 14.85 | 14.95 | 14.93 | 15.10 | 14.83 |
| 10 | 14.76 | 14.75 | 13.86 | 13.65 | 14.00 | 13.78 | 14.25 | 15.02 | 15.32 | 14.83 | 15.11 | 15.05 |
| 15 | 15.08 | 14.18 | 13.71 | 13.50 | 14.00 | 13.83 | 14.57 | 14.91 | 15.36 | 14.97 | 15.05 | 14.86 |
| 20 | 14.90 | 14.10 | 13.77 | 13.57 | 14.18 | 13.76 | 14.65 | 15.30 | 15.31 | 15.04 | 14.98 | 14.63 |
| 25 | 14.90 | 14.35 | 13.99 | 13.51 | 14.12 | 14.18 | 14.60 | 15.27 | 15.05 | 14.95 | 14.95 | 14.37 |
| Eom | 14.75 | 14.22 | 14.05 | 13.88 | 13.78 | 14.31 | 14.73 | 15.13 | 15.06 | 14.73 | 14.94 | 13.85 |
| 1966 | | | | | | | | | | | | |
| 5 | 13.65 | 14.05 | 14.15 | 13.72 | 13.35 | 12.50 | 13.61 | 14.57 | 14.23 | 14.62 | 14.73 | 14.45 |
| 10 | 13.62 | 14.24 | 14.18 | 13.66 | 13.40 | 12.45 | 13.59 | 14.67 | 14.45 | 14.57 | 14.74 | 13.97 |
| 15 | 13.67 | 14.20 | 14.13 | 14.06 | 13.00 | 12.87 | 14.00 | 14.65 | 14.51 | 14.56 | 14.55 | 13.72 |
| 20 | 13.92 | 14.02 | 13.77 | 14.10 | 12.85 | 12.41 | 14.16 | 14.35 | 14.57 | 14.77 | 14.38 | 13.78 |
| 25 | 13.97 | 14.32 | 13.90 | 13.82 | 12.85 | 13.03 | 14.30 | 14.35 | 14.43 | 14.84 | 14.47 | 13.58 |
| Eom | 14.07 | 14.34 | 13.76 | 13.35 | 12.74 | 13.34 | 14.18 | 14.49 | 14.63 | 14.83 | 14.44 | 13.81 |
| 1967 | | | | | | | | | | | | |
| 5 | 14.10 | 14.11 | ..... | 12.92 | 12.91 | 12.87 | 13.33 | 14.17 | 14.18 | 14.18 | 13.76 | 13.96 |
| 10 | 14.15 | 14.42 | ..... | 12.72 | 13.02 | 12.68 | 13.60 | 14.34 | 14.08 | 14.22 | 13.85 | 13.89 |
| 15 | 14.02 | 14.40 | ..... | 13.81 | 12.68 | 12.92 | 12.83 | 13.57 | 14.30 | 14.38 | 14.05 | 13.82 |
| 20 | 14.40 | ..... | 13.48 | 12.93 | 13.00 | 12.93 | 13.90 | 14.21 | 14.40 | 14.05 | 13.74 | 13.64 |
| 25 | 14.40 | ..... | 13.37 | 12.83 | 13.18 | 12.95 | 14.02 | 14.42 | 14.29 | 14.01 | 13.60 | 12.76 |
| Eom | 14.26 | ..... | 13.15 | 12.55 | 12.87 | 13.24 | 14.13 | 14.35 | 14.11 | 13.97 | 13.90 | 12.64 |

City of Marshall

421624N0845653.1. Local number 2S 6W 25--aaca. Formerly 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 9.67 below lsd, Aug. 1, 1964. Records available: 1950-67. Water levels affected by regional pumping. Measurements made by Water Dept. Publication discontinued in series of U.S. Geological Survey water-supply papers.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| Jan. 2, 1963 | 8.85 | Apr. 1, 1964 | 9.16 | May 1, 1965 | 8.49 | Dec. 5, 1963 | 8.90 |
| Feb. 1 | 8.98 | May 1 | 8.95 | June 1 | 7.20 | Jan. 3, 1967 | 8.68 |
| Mar. 1 | 9.08 | June 1 | 9.19 | July 1 | 8.98 | Feb. 1 | 8.70 |
| Apr. 1 | 8.48 | July 1 | 9.52 | Aug. 2 | 9.13 | Mar. 1 | 8.63 |
| May 1 | 8.96 | Aug. 1 | 9.67 | Mar. 1, 1966 | 9.05 | Apr. 4 | 8.03 |
| July 1 | 9.34 | Sept. 1 | 9.60 | Apr. 1 | 8.79 | May 2 | 7.96 |
| Sept. 3 | 9.46 | 30 | 9.56 | May 2 | 8.45 | June 2 | 8.05 |
| Oct. 1 | 9.59 | Nov. 3 | 9.60 | June 1 | 8.25 | 30 | 8.15 |
| Nov. 1 | 9.60 | Dec. 1 | 9.60 | July 8 | 8.00 | July 31 | 8.44 |
| Dec. 3 | 9.55 | Jan. 4, 1965 | 9.49 | Aug. 2 | 8.83 | Sept. 1 | 8.60 |
| Jan. 2, 1964 | 9.60 | Feb. 1 | 9.38 | Sept. 1 | 8.83 | Oct. 2 | 8.70 |
| 31 | 9.30 | Mar. 1 | 9.06 | Oct. 3 | 8.89 | Nov. 1 | 8.60 |
| Mar. 2 | 9.40 | Apr. 1 | 6.90 | Nov. 2 | 9.00 | Dec. 1 | 8.26 |

Battle Creek Township

421728N0851204.1. Local number 2S 8W 14--dddb. Formerly 2S 8W 14-2. City of Battle Creek. 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: 1945-67. Publication discontinued in series of U.S. Geological Survey water-supply papers.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|------|---------------|------|
| Apr. 4, 1963 | 9.17 | June 29, 1964 | 9.52 | Oct. 15, 1965 | 9.18 | Jan. 12, 1967 | 8.40 |
| June 27 | 9.18 | Sept. 8 | 10.27 | Jan. 17, 1966 | 8.91 | Apr. 13 | 8.26 |
| Sept. 30 | 10.15 | Dec. 2 | 9.93 | Apr. 19 | 9.11 | July 13 | 7.75 |
| Dec. 31 | 10.81 | Apr. 26, 1965 | 9.79 | July 15 | 8.29 | Oct. 13 | 9.58 |
| Apr. 14, 1964 | 10.24 | June 23 | 9.08 | Oct. 13 | 8.70 | | |

Pennfield Township

422422N0850715.1. Local number 1S 7W 10--bbab. Formerly 1S 7W 10-1. Kenneth N. Sabln. 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. MP top of 1½-in pipe driven into dug well, 1.50 ft above lsd (since Jan. 5, 1965). New depth 12 ft. No measurement made from August through December 1964. Highest water level 0.89 below lsd, Mar. 28, 1950; lowest dry, July 29, 1964. Records available: 1946-67.

422422N0850715.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 2, 1963 | 5.42 | Feb. 19, 1964 | 8.55 | Sept. 8, 1965 | 6.24 | Oct. 9, 1966 | 5.38 |
| 9 | 5.43 | 26 | 6.57 | 15 | 6.29 | 16 | 5.34 |
| 16 | 5.48 | Mar. 4 | 6.59 | 22 | 6.12 | 23 | 5.37 |
| 23 | 5.50 | 11 | 6.59 | 29 | 6.06 | Nov. 2 | 5.33 |
| Feb. 6 | 4.51 | 18 | 6.61 | Oct. 6 | 6.10 | 9 | 4.83 |
| 13 | 4.61 | 25 | 6.62 | 13 | 6.22 | 16 | 5.33 |
| 20 | 4.63 | Apr. 1 | 6.55 | 20 | 6.30 | 25 | 5.52 |
| 26 | 4.67 | 8 | 6.37 | 27 | 6.46 | Dec. 7 | 5.52 |
| Mar. 6 | 5.37 | 17 | 6.42 | Nov. 3 | 6.42 | 15 | 5.21 |
| 13 | 5.07 | 22 | 6.41 | 10 | 6.45 | 21 | 5.08 |
| 20 | 4.85 | 29 | 5.98 | 17 | 6.47 | Jan. 4, 1967 | 5.14 |
| 26 | 4.49 | May 6 | 5.98 | 24 | 6.48 | 11 | 5.30 |
| Apr. 3 | 4.49 | 13 | 5.94 | Dec. 1 | 6.47 | 18 | 5.38 |
| 10 | 4.51 | 20 | 5.91 | 8 | 6.42 | 25 | 5.39 |
| 17 | 4.53 | June 3 | 6.60 | 15 | 6.02 | Feb. 15 | 4.00 |
| 24 | 4.57 | 10 | 6.65 | 22 | 5.72 | 22 | 4.00 |
| May 1 | 4.75 | 17 | 6.70 | 29 | 5.68 | Mar. 1 | 4.83 |
| 8 | 4.75 | 24 | 6.73 | Jan. 5, 1966 | 5.14 | 8 | 4.80 |
| 15 | 4.66 | July 1 | 6.35 | 26 | 5.65 | 16 | 4.64 |
| 22 | 4.64 | 8 | 6.45 | Feb. 2 | 5.77 | 23 | 4.49 |
| June 5 | 5.06 | 15 | 6.65 | 9 | 5.33 | Apr. 5 | 3.20 |
| 12 | 5.06 | 22 | 6.90 | 16 | 5.23 | 12 | 3.12 |
| 19 | 5.07 | 29 | (f) | 23 | 5.59 | 19 | 3.12 |
| 26 | 5.07 | Jan. 11, 1965 | 6.82 | Mar. 2 | 5.44 | 26 | 3.07 |
| July 3 | 5.07 | 17 | 6.73 | 9 | 5.33 | May 3 | 2.08 |
| 10 | 5.23 | 24 | 6.73 | 16 | 5.36 | 10 | 2.14 |
| 17 | 5.31 | 30 | 6.72 | 23 | 5.40 | 17 | 2.20 |
| 24 | 5.33 | Feb. 7 | 6.81 | 30 | 5.46 | 24 | 2.37 |
| 31 | 5.21 | 14 | 6.71 | Apr. 6 | 5.04 | June 7 | 3.00 |
| Aug. 7 | 5.29 | 21 | 6.51 | 13 | 5.01 | 14 | 3.52 |
| 14 | 5.45 | 28 | 6.54 | 20 | 4.98 | 21 | 3.50 |
| 21 | 5.58 | Mar. 7 | 6.81 | 27 | 4.57 | 28 | 3.59 |
| 28 | 5.59 | 14 | 6.68 | May 4 | 4.20 | July 5 | 3.74 |
| Sept. 4 | 5.77 | 21 | 6.70 | 11 | 4.12 | 12 | 4.00 |
| 11 | 5.95 | 28 | 6.26 | 18 | 4.13 | 19 | 4.04 |
| 18 | 5.89 | Apr. 4 | 5.08 | 25 | 4.12 | 26 | 4.11 |
| 25 | 5.91 | 11 | 5.06 | June 1 | 4.22 | Aug. 2 | 4.20 |
| Oct. 2 | 6.05 | 18 | 5.04 | 8 | 4.30 | 9 | 4.34 |
| 9 | 6.08 | 25 | 5.10 | 15 | 4.31 | 16 | 4.43 |
| 16 | 6.11 | May 5 | 5.00 | 22 | 4.37 | 23 | 4.41 |
| 23 | 6.08 | 12 | 5.10 | 29 | 4.48 | Sept. 6 | 4.41 |
| Nov. 6 | 6.25 | 19 | 5.30 | July 6 | 4.72 | 13 | 4.40 |
| 13 | 6.28 | 26 | 5.34 | 13 | 4.90 | 20 | 4.37 |
| 20 | 6.33 | June 2 | 5.46 | 20 | 4.60 | Oct. 4 | 4.85 |
| 27 | 6.29 | 9 | 5.51 | 27 | 4.76 | 11 | 4.72 |
| Dec. 4 | 6.37 | 16 | 5.55 | Aug. 3 | 4.84 | 18 | 4.70 |
| 11 | 6.38 | 23 | 5.67 | 10 | 4.86 | 25 | 4.68 |
| 18 | 6.39 | July 7 | 5.90 | 17 | 4.94 | Nov. 1 | 4.67 |
| 23 | 6.40 | 15 | 5.87 | 25 | 4.92 | 8 | 4.62 |
| 31 | 6.43 | 21 | 5.92 | 31 | 4.88 | 15 | 4.69 |
| Jan. 1, 1964 | 6.40 | 28 | 6.00 | Sept. 7 | 5.09 | 22 | 4.71 |
| 8 | 6.47 | Aug. 4 | 6.00 | 14 | 5.20 | 29 | 4.77 |
| 15 | 6.46 | 11 | 6.05 | 16 | 5.14 | Dec. 6 | 4.86 |
| 22 | 6.43 | 18 | 6.20 | 21 | 5.24 | 13 | 4.90 |
| 29 | 6.48 | 25 | 6.15 | 24 | 5.26 | 20 | 4.94 |
| Feb. 5 | 6.50 | Sept. 1 | 6.20 | Oct. 2 | 5.30 | 27 | 5.02 |
| 12 | 6.53 | | | | | | |

f Dry.

422025N0850840.1. Local number 18 7W 32-dabd. Formerly 18 7W 32-1. City of Battle Creek. Dilled 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: 1939-67. Water levels affected by nearby pumping. Measurements made by Water Dept.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 10.45 | 10.85 | 11.70 | 10.29 | 9.85 | 11.75 | 13.00 | 12.80 | 12.70 | 12.60 | 12.20 | 11.92 |
| 10 | 11.20 | 11.00 | 10.25 | 9.95 | 10.90 | 10.95 | 13.75 | 12.82 | 12.55 | 12.93 | 11.75 | 12.05 |
| 15 | 11.35 | 11.39 | 10.63 | 9.85 | 11.85 | 11.20 | 12.60 | 12.41 | 11.72 | 13.65 | 12.03 | 11.20 |
| 20 | 10.75 | 10.55 | 11.30 | 9.20 | 10.40 | 11.95 | 12.15 | 12.80 | 12.85 | 12.40 | 12.40 | 11.90 |
| 25 | 11.02 | 10.50 | 11.05 | 10.75 | 10.70 | 11.93 | 13.10 | 12.20 | 12.45 | 12.25 | 12.10 | 11.60 |
| Eom | 11.00 | 11.40 | 9.75 | 11.65 | 9.66 | 12.05 | 13.55 | 12.20 | 12.80 | 11.89 | 11.75 | 11.70 |
| 1964 | | | | | | | | | | | | |
| 5 | 11.90 | 12.30 | 11.70 | 11.55 | 12.32 | 15.25 | 13.40 | 14.35 | 13.75 | 12.70 | 12.75 | 12.60 |
| 10 | 11.50 | 11.90 | 11.80 | 12.06 | 12.35 | 14.55 | 13.35 | 14.00 | 13.55 | 13.05 | 13.20 | 12.05 |
| 15 | 12.30 | 11.02 | 11.35 | 12.05 | 13.30 | 13.55 | 13.15 | 13.16 | 13.35 | 13.15 | 12.25 | 13.25 |
| 20 | 12.50 | 11.70 | 12.40 | 11.70 | 13.50 | 13.30 | 13.95 | 13.80 | 12.75 | 12.70 | e12.65 | 13.00 |
| 25 | 11.81 | 11.90 | 12.90 | 11.70 | 13.30 | 13.47 | 13.25 | 13.55 | 13.30 | 12.25 | 12.55 | 11.60 |
| Eom | 12.10 | 11.45 | 11.80 | 12.06 | 14.80 | 14.70 | 13.80 | 13.35 | 12.85 | 11.90 | 12.20 | 12.35 |

422025N0850840.1--Continued.

| 1965 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 12.00 | 11.10 | 10.55 | 10.30 | 11.00 | 10.90 | 12.20 | 12.80 | 12.30 | 13.05 | 12.05 12.10 |
| 10 | 11.50 | 11.00 | 10.10 | 9.55 | 10.10 | 11.35 | 12.80 | 12.60 | 14.00 | 12.43 | 12.75 11.90 |
| 15 | 11.45 | 10.10 | 9.80 | 8.75 | 11.00 | 12.60 | 13.00 | 12.50 | 12.85 | 13.30 | 12.75 10.85 |
| 20 | 11.55 | 10.90 | 10.80 | 9.50 | 10.85 | 12.60 | 12.90 | 15.60 | 12.70 | 12.00 | 12.25 10.25 |
| 25 | 10.95 | 10.45 | 10.10 | 9.20 | 11.00 | 12.15 | 12.55 | 14.20 | 12.05 | 12.05 | 12 15 10.60 |
| Eom | 10.55 | 10.40 | 10.20 | 9.70 | 10.35 | 12.75 | 13.05 | 14.50 | 12.85 | 12.05 | 11.65 10.80 |
| 1966 | | | | | | | | | | | |
| 5 | 11.05 | 11.70 | 11.65 | 10.00 | 10.15 | 10.65 | 11.60 | 13.90 | 13.10 | 13.35 | 12.45 11.70 |
| 10 | 10.75 | 10.75 | 11.00 | 9.85 | 10.10 | 10.40 | 12.15 | 11.20 | 14.40 | 13.50 | 14.50 12.90 |
| 15 | 11.50 | 10.85 | 12.60 | 10.10 | 9.00 | 10.50 | 12.15 | 10.10 | 13.50 | 13.50 | 13.20 12.10 |
| 20 | 10.25 | 10.90 | 11.25 | 10.30 | 9.90 | 10.88 | 12.70 | 13.55 | 14.75 | 13.90 | 12 70 11.35 |
| 25 | 12.08 | 11.85 | 11.70 | 11.78 | 9.70 | 12.75 | 13.10 | 14.20 | 13.50 | 13.70 | 11.85 10.80 |
| Eom | 12.02 | 11.60 | 10.40 | 9.75 | 9.35 | 12.20 | 13.70 | 14.20 | 14.35 | 13.40 | 11.80 11.50 |
| 1967 | | | | | | | | | | | |
| 5 | 11.50 | 11.20 | 12.30 | 10.55 | 10.35 | 12.90 | 12.15 | 12.25 | 12.95 | 12.95 | 11.30 11.90 |
| 10 | 11.60 | 11.55 | 11.15 | 10.45 | 10.35 | 11.80 | 12.00 | 12.10 | 11.80 | 13.10 | 10 90 9.75 |
| 15 | 10.80 | 12.15 | 11.55 | 10.90 | 10.75 | 10.90 | 10.50 | 13.15 | 13.00 | 11.70 | 12 30 10.15 |
| 20 | 11.20 | 11.40 | 11.55 | 11.65 | 10.25 | 11.00 | 12.00 | 12.30 | 13.70 | 12.70 | 11.75 10.85 |
| 25 | 11.99 | 12.10 | 10.25 | 10.20 | 9.80 | 11.70 | 12.55 | 14.30 | 13.20 | 12.60 | 10 80 9.75 |
| Eom | 11.60 | 11.95 | 11.05 | 9.70 | 9.90 | 11.50 | 12.10 | 13.10 | 13.05 | 12.75 | 11.50 9.70 |

e Estimated.

Cass County

City of Dowagiac

415846N0860645.1. Local number 6S 16W 1-acad. Formerly 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'. Lad 750.19 ft above masl. MP top of 1-in pipe extension, 5.20 ft above lad. Highest water level 5.20 above lad, Feb. 20, 1960; lowest 7.88 below lad, Aug. 6, 1965. Records available: 1949-67. Water levels affected by nearby pumping. Measurements made by Board of Public Works. Publication discontinued in series of U.S. Geological Survey water-supply papers.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1963 | -1.13 | Dec. 6, 1963 | -4.38 | Jan. 29, 1965 | -4.44 | Feb. 18, 1966 | -3.46 |
| 11 | .22 | 13 | 3.53 | Feb. 5 | 1.88 | 25 | 1.63 |
| 18 | .46 | 20 | 2.97 | 12 | 3.55 | Mar. 4 | 3.88 |
| 26 | .05 | 27 | 2.88 | 19 | 4.63 | 11 | 4.55 |
| Feb. 1 | 2.22 | Jan. 3, 1964 | 3.97 | 26 | 2.97 | 18 | 1.97 |
| 8 | 2.13 | 10 | 4.38 | Mar. 6 | 4.72 | 26 | 2.63 |
| 15 | 1.22 | 24 | 5.63 | 19 | 2.97 | Apr. 1 | 3.55 |
| 22 | 1.30 | 31 | 2.97 | 26 | 2.72 | 15 | 3.72 |
| Mar. 1 | 1.05 | Feb. 8 | 3.05 | Apr. 2 | 4.13 | 22 | 2.97 |
| 8 | 2.38 | 16 | 3.88 | 9 | 3.88 | May 13 | -5.00 |
| 15 | 4.13 | 22 | 3.97 | 16 | 2.05 | 20 | +2.62 |
| 22 | 1.88 | 28 | 4.30 | 24 | 1.30 | 27 | -1.46 |
| 29 | .88 | Mar. 6 | 1.88 | 30 | 3.55 | July 2 | -7.72 |
| Apr. 5 | .88 | 13 | 3.13 | May 7 | 3.46 | 7 | +1.54 |
| 12 | 2.13 | 20 | 4.30 | 14 | 4.63 | 16 | -1.97 |
| 21 | 1.13 | 27 | 3.46 | 21 | 2.72 | 29 | 3.88 |
| 26 | .97 | May 1 | 4.46 | 29 | 3.55 | Aug. 13 | 2.14 |
| May 3 | .03 | 8 | 4.46 | June 4 | 1.30 | 19 | 6.63 |
| 10 | 1.63 | 15 | 3.13 | 11 | 5.05 | 26 | 3.30 |
| 17 | 1.46 | 22 | 4.97 | 18 | 4.22 | Sept. 2 | 5.80 |
| 24 | .05 | 29 | 4.63 | 25 | 3.55 | 9 | 6.30 |
| 31 | 2.63 | June 5 | 4.22 | July 2 | 3.13 | 16 | 6.47 |
| June 7 | 2.22 | 12 | 3.97 | 9 | 5.72 | 23 | 4.88 |
| 21 | 1.38 | 19 | 4.97 | 23 | 2.30 | Oct. 3 | .30 |
| July 5 | 1.63 | 27 | 3.97 | 30 | 5.46 | 10 | 1.47 |
| 12 | 5.55 | July 10 | 5.46 | Aug. 6 | 7.88 | 17 | .72 |
| 19 | 3.88 | 17 | 5.72 | 13 | 1.55 | 24 | .14 |
| 26 | 2.22 | 24 | 3.88 | 20 | 1.22 | Nov. 4 | 2.30 |
| Aug. 2 | .55 | Aug. 7 | 6.63 | 27 | .97 | 11 | 1.55 |
| 9 | 2.88 | 21 | 5.55 | Sept. 3 | 4.22 | 18 | .63 |
| 16 | 2.22 | Sept. 4 | 5.88 | 10 | 4.72 | 25 | 4.30 |
| 23 | 3.46 | 11 | 6.05 | 17 | 4.55 | Dec. 2 | 3.72 |
| 30 | 1.30 | Oct. 9 | 4.63 | 24 | 4.55 | 9 | 3.97 |
| Sept. 6 | 1.13 | 30 | 5.05 | Oct. 1 | 1.13 | 19 | 3.14 |
| 13 | 2.88 | Nov. 6 | 4.97 | 8 | 1.76 | 26 | 3.14 |
| 20 | 2.97 | 14 | 5.05 | 15 | 2.88 | Jan. 7, 1967 | 3.38 |
| 27 | 1.88 | 20 | 5.55 | 22 | 6.97 | 13 | -2.72 |
| Oct. 4 | 3.55 | 27 | 4.63 | 29 | 5.22 | 20 | +1.12 |
| 11 | 3.53 | Dec. 4 | 2.88 | Dec. 3 | 2.05 | Feb. 3 | -3.63 |
| 18 | 4.46 | 11 | 4.63 | 24 | -2.63 | 11 | 3.67 |
| 25 | 3.46 | 18 | 2.88 | 31 | +1.54 | 24 | -2.22 |
| Nov. 1 | 3.53 | 25 | 2.05 | Jan. 14, 1966 | -3.46 | Mar. 3 | +1.12 |
| 8 | 3.97 | Jan. 1, 1965 | 2.05 | 21 | -3.80 | 10 | -3.88 |
| 15 | 3.97 | 9 | 1.88 | 29 | +3.4 | 24 | 3.55 |
| 22 | 1.88 | 15 | 3.72 | Feb. 4 | -4.68 | Apr. 7 | 3.14 |
| 29 | 1.88 | 22 | 4.88 | 11 | 1.63 | May 12 | 3.42 |

415846N0860645, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| May 19, 1967 | -3.34 | Sept. 1, 1967 | -0.55 | Oct. 20, 1967 | -1.47 | Nov. 25, 1967 | -3.63 |
| June 2 | 7.05 | 29 | 4.05 | 27 | -1.05 | Dec. 8 | -1.05 |
| 23 | 2.47 | Oct. 1 | 4.55 | Nov. 6 | +2.78 | 18 | +2.20 |
| Aug. 4 | 3.38 | 13 | .80 | 10 | +5.53 | 22 | -3.76 |
| 11 | 4.72 | | | | | | |

Mason Township

414651N0855756.1. Local number 8S 14W 17-baaa. Formerly 8S 14W 17-1. Ted Little. Dug unused water-table well in deposits of Pleistocene age, diam 28 in, depth 55 ft, cribbed with brick to open bottom. Lsd about 840 ft above mal. MP top of wooden well cover, 0.80 ft above lsd. Highest water level 46.20 below lsd, July 16, 1950; lowest dry, Mar. 10, 1947, Nov. 1, 1964, to Mar. 7, 1965. Records available: 1945-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 6, 1963 | 51.85 | Apr. 12, 1964 | 53.14 | July 25, 1965 | 51.56 | Oct. 16, 1966 | 50.46 |
| 13 | 51.91 | 19 | 53.15 | Aug. 1 | 51.48 | 23 | 50.60 |
| 19 | 52.00 | May 3 | 53.90 | 8 | 51.48 | 30 | 50.60 |
| 25 | 52.05 | 10 | 54.15 | 15 | 51.54 | Nov. 6 | 50.65 |
| Feb. 3 | 52.23 | 17 | 54.10 | 22 | 51.57 | 13 | 50.75 |
| 10 | 52.21 | 24 | 54.04 | 25 | 51.57 | 20 | 50.75 |
| 17 | 52.26 | 31 | 53.03 | Sept. 5 | 51.67 | 27 | 50.80 |
| 24 | 52.36 | June 7 | 52.97 | 12 | 51.68 | Dec. 4 | 50.81 |
| Mar. 3 | 52.43 | 14 | 52.99 | 19 | 51.71 | 11 | 51.05 |
| 10 | 52.56 | 21 | 52.95 | 25 | 51.74 | 18 | 50.93 |
| 17 | 52.57 | 25 | 52.98 | Oct. 3 | 51.78 | 24 | 51.03 |
| 24 | 52.44 | July 5 | 52.92 | 10 | 51.88 | Jan. 1, 1967 | 51.00 |
| 31 | 52.41 | 12 | 52.86 | 17 | 51.89 | 8 | 51.14 |
| Apr. 7 | 52.23 | 19 | 52.93 | 24 | 51.95 | 15 | 51.19 |
| 14 | 52.24 | 25 | 52.90 | 31 | 51.96 | 22 | 51.15 |
| 21 | 53.20 | Aug. 2 | 52.83 | Nov. 7 | 51.94 | 29 | 51.24 |
| 24 | 53.15 | 9 | 52.94 | 10 | 51.96 | Feb. 5 | 51.25 |
| May 5 | 52.08 | 16 | 52.88 | 21 | 51.98 | 12 | 51.30 |
| 12 | 52.06 | 23 | 52.92 | 28 | 52.09 | 19 | 51.25 |
| 19 | 52.07 | 30 | 52.94 | Dec. 5 | 52.08 | 24 | 51.30 |
| 25 | 51.99 | Sept. 6 | 52.98 | 12 | 52.17 | Mar. 5 | 51.23 |
| June 2 | 51.97 | 13 | 52.99 | 19 | 52.19 | 12 | 51.32 |
| 9 | 51.97 | 20 | 53.09 | 24 | 52.18 | 19 | 51.33 |
| 16 | 51.95 | 24 | 53.08 | Jan. 2, 1966 | 52.06 | 24 | 51.17 |
| 23 | 52.04 | Oct. 4 | 53.10 | 9 | 51.98 | Apr. 2 | 50.91 |
| 30 | 52.02 | 11 | 53.16 | 16 | 51.97 | 9 | 50.70 |
| July 7 | 51.96 | Nov. 1 | (f) | 23 | 51.90 | 16 | 50.62 |
| 14 | 52.00 | 8 | (f) | 30 | 51.85 | 23 | 50.46 |
| 21 | 52.06 | 18 | (f) | Feb. 6 | 51.82 | 30 | 50.25 |
| 25 | 52.10 | 22 | (f) | 13 | 51.78 | May 7 | 50.06 |
| Aug. 4 | 52.09 | 25 | (f) | 20 | 51.85 | 14 | 49.93 |
| 11 | 52.03 | Dec. 6 | (f) | 24 | 51.70 | 21 | 49.87 |
| 18 | 51.95 | 13 | (f) | Mar. 6 | 51.76 | 28 | 49.71 |
| 25 | 51.42 | 20 | (f) | 13 | 51.70 | June 4 | 49.73 |
| Sept. 1 | 51.97 | 24 | (f) | 20 | 51.74 | 11 | 49.57 |
| 8 | 51.96 | Jan. 3, 1965 | (f) | 24 | 51.70 | 18 | 49.53 |
| 15 | 51.93 | 10 | (f) | Apr. 3 | 51.66 | 24 | 49.50 |
| 22 | 52.02 | 17 | (f) | 10 | 51.60 | July 2 | 49.40 |
| 25 | 51.99 | 24 | (f) | 17 | 51.52 | 9 | 49.34 |
| Oct. 6 | 52.04 | 31 | (f) | 24 | 51.47 | 16 | 49.36 |
| 13 | 52.14 | Feb. 7 | (f) | May 1 | 51.49 | 23 | 49.26 |
| 20 | 52.14 | 14 | (f) | 8 | 51.28 | 30 | 49.35 |
| 24 | 52.14 | 21 | (f) | 15 | 51.16 | Aug. 6 | 49.44 |
| Nov. 3 | 52.25 | 28 | (f) | 22 | 52.02 | 13 | 49.49 |
| 10 | 52.30 | Mar. 7 | (f) | 29 | 50.86 | 20 | 49.51 |
| 17 | 52.33 | 14 | 54.10 | June 5 | 50.87 | 25 | 49.55 |
| 24 | 52.39 | 21 | 54.08 | 12 | 50.53 | Sept. 3 | 49.62 |
| Dec. 1 | 52.40 | 28 | 53.15 | 19 | 50.43 | 10 | 49.70 |
| 8 | 52.42 | Apr. 4 | 53.06 | 24 | 50.36 | 17 | 49.75 |
| 15 | 52.53 | 11 | 52.84 | July 3 | 50.26 | 24 | 49.84 |
| 22 | 52.56 | 18 | 52.76 | 10 | 50.18 | Oct. 1 | 49.86 |
| Jan. 5, 1964 | 52.56 | 24 | 52.68 | 17 | 50.13 | 8 | 49.81 |
| 12 | 52.53 | May 2 | 52.53 | 24 | 50.07 | 15 | 49.94 |
| 19 | 52.66 | 9 | 52.44 | 31 | 50.12 | 22 | 50.06 |
| 25 | 52.70 | 16 | 52.30 | Aug. 7 | 50.06 | 29 | 50.08 |
| Feb. 2 | 52.86 | 23 | 52.04 | 14 | 50.08 | Nov. 5 | 50.30 |
| 9 | 52.83 | 30 | 51.95 | 20 | 50.09 | 12 | 50.23 |
| 16 | 52.73 | June 6 | 51.86 | 25 | 50.17 | 19 | 50.36 |
| 23 | 52.70 | 13 | 51.78 | Sept. 4 | 50.17 | 24 | 50.25 |
| Mar. 1 | 52.90 | 20 | 51.69 | 11 | 50.26 | Dec. 3 | 50.49 |
| 8 | 52.94 | 27 | 51.67 | 18 | 50.32 | 10 | 50.34 |
| 15 | 53.05 | July 4 | 51.60 | 25 | 50.35 | 17 | 50.38 |
| 21 | 53.11 | 11 | 51.57 | Oct. 2 | 50.43 | 24 | 50.41 |
| 29 | 53.14 | 18 | 51.56 | 9 | 50.38 | 31 | 50.31 |
| Apr. 5 | 53.08 | | | | | | |

f Dry.

Charlevoix County

Chandler Township

451700N0844544.1. Local number 33N 4W 2-acb. Formerly 33N 4W 2-1. State Dept. of Natural Resources. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 94 ft. Lsd about 970 ft above msl. 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: 1948-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Apr. 9, 1963 | 74.36 | July 13, 1964 | 72.55 | Oct. 5, 1965 | 71.52 | Oct. 17, 1966 | 73.17 |
| July 15 | 72.76 | Oct. 5 | 73.02 | Dec. 13 | 72.66 | Dec. 14 | 73.75 |
| Sept. 18 | 72.93 | Dec. 23 | 72.21 | Apr. 5, 1966 | 72.63 | Apr. 17, 1967 | 73.07 |
| Dec. 11 | 73.70 | Apr. 14, 1965 | 74.24 | July 13 | 73.59 | Dec. 14 | 72.68 |
| Apr. 13, 1964 | 74.72 | July 12 | 70.33 | | | | |

Chippewa County

Superior Township

462158N0844422.1. Local number 46N 4W 24-dada. Formerly 46N 4W 24-1. U.S. Forest Service. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 54 ft. Lsd about 850 ft above msl. M^h top of casing, 0.31 ft above lsd. Highest water level 20.70 below lsd, July 3, 1960; lowest 28.43 below lsd, Apr. 14, 1964. Records available: 1952-65. Measurement discontinued.

Water level at 2 a.m., from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 26.18 | 26.59 | 26.97 | 27.40 | 25.58 | 25.20 | 25.44 | 25.92 | 26.29 | 26.58 | 26.92 | 27.33 |
| 10 | 26.25 | 26.65 | 27.03 | 27.23 | 25.44 | 25.20 | 25.53 | 25.98 | 26.34 | 26.63 | 26.98 | 27.40 |
| 15 | 26.31 | 26.72 | 27.10 | 26.85 | 25.33 | 25.22 | 25.62 | 26.05 | 26.39 | 26.68 | 27.05 | 27.45 |
| 20 | 26.37 | 26.78 | 27.18 | 26.45 | 25.28 | 25.25 | 25.69 | 26.10 | 26.44 | 26.74 | 27.12 | 27.49 |
| 25 | 26.43 | 26.84 | 27.26 | 26.07 | 25.25 | 25.31 | 25.77 | 26.17 | 26.49 | 26.80 | 27.19 | 27.54 |
| Eom | 26.52 | 26.89 | 27.34 | 25.80 | 25.22 | 25.36 | 25.85 | 26.23 | 26.54 | 26.86 | 27.27 | 27.57 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 27.60 | ..... | ..... | 28.36 | 26.01 | 24.63 | 24.73 | 25.24 | 25.72 | 26.16 | 26.52 | 26.86 |
| 10 | 27.63 | ..... | ..... | 28.40 | 25.58 | 24.63 | 24.80 | 25.32 | 25.80 | 26.24 | 26.58 | 26.89 |
| 15 | ..... | ..... | ..... | 28.40 | 25.25 | 24.57 | 24.89 | 25.39 | 25.88 | 26.30 | 26.64 | 26.89 |
| 20 | ..... | ..... | ..... | 27.80 | 25.02 | 24.60 | 24.98 | 25.46 | 25.95 | 26.36 | 26.69 | 26.91 |
| 25 | ..... | ..... | ..... | 27.20 | 24.84 | 24.63 | 25.06 | 25.54 | 26.03 | 26.40 | 26.75 | 26.92 |
| Eom | ..... | ..... | h28.32 | 26.60 | 24.71 | 24.69 | 25.17 | 25.64 | 26.09 | 26.47 | 26.81 | 26.97 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 27.00 | 27.24 | 27.51 | 27.85 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | ..... | 27.29 | 27.57 | 27.90 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | 27.07 | 27.34 | 27.61 | 27.96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 27.10 | 27.38 | 27.67 | 27.97 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 27.14 | 27.43 | 27.73 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | 27.19 | 27.46 | 27.79 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

h Tape measurement.

Clinton County

Village of Elsie

430454N0842309.1. Local number 8N 1W 13-bccc-1. Formerly 8N 1W 13-1. Village of Elsie. 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 flowing, many days in 1965-67; lowest 37.55 below lsd, Oct. 15, 1957. Records available: 1947-67. Water levels affected by regional pumping. Publication discontinued in series of U.S. Geological Survey water-supply papers.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|----------------|-------------|---------------|-------------|
| Jan. 30, 1963 | -14.81 | July 22, 1964 | +3.75 | Sept. 27, 1965 | +2.33 | Nov. 30, 1965 | (j) |
| Feb. 27 | 12.59 | Aug. 25 | 1.92 | Oct. 28 | 2.85 | Dec. 28 | (j) |
| Mar. 27 | 11.94 | Sept. 28 | 3.19 | Nov. 29 | 3.69 | Feb. 27, 1967 | (j) |
| Apr. 26 | .93 | Oct. 30 | 1.95 | Dec. 27 | (j) | Mar. 29 | (j) |
| May 27 | 4.62 | Nov. 27 | 1.57 | Feb. 28, 1966 | (j) | Apr. 27 | (j) |
| June 24 | 8.31 | Dec. 29 | 2.16 | Mar. 29 | (j) | May 29 | (j) |
| July 29 | -4.17 | Jan. 27, 1965 | e3.18 | Apr. 28 | (j) | June 28 | (j) |
| Aug. 26 | +5.55 | Mar. 29 | e3.90 | May 27 | (j) | July 28 | +2.83 |
| Sept. 27 | 1.80 | Apr. 27 | (j) | June 28 | 3.34 | Aug. 29 | 1.81 |
| Oct. 28 | 1.10 | May 27 | (j) | July 28 | (j) | Sept. 28 | 2.88 |
| Nov. 29 | 2.16 | June 28 | 2.66 | Aug. 26 | (j) | Oct. 30 | 3.95 |
| Feb. 27, 1964 | 2.99 | July 28 | 2.94 | Sept. 27 | 3.85 | Nov. 28 | (j) |
| Mar. 27 | 2.15 | Aug. 27 | 3.16 | Oct. 27 | (j) | Dec. 27 | (j) |
| Apr. 24 | 3.96 | | | | | | |

e Estimated.

j Flowing.

Olive Township

425410N0843235.1. Local number 6N 2W 16-ddad. Formerly 6N 2W 16-1. State Highway Dept. Drilled unused water-table well in gravel of Pleistocene age, diam 14 in, depth 23 ft, open bottom. Led 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 19.93 below lsd, Feb. 27, Mar. 27, 1964. Records available: 1948-67. Federal key well.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 30, 1963 | 19.05 | Apr. 28, 1964 | 19.42 | July 28, 1965 | 19.13 | Oct. 27, 1966 | 18.88 |
| Feb. 27 | 19.16 | May 25 | 19.19 | Aug. 27 | 19.31 | Nov. 30 | 18.95 |
| Mar. 27 | 18.94 | June 23 | 19.10 | Sept. 27 | 19.48 | Dec. 28 | 18.51 |
| Apr. 26 | 19.02 | July 21 | 19.22 | Oct. 28 | 19.52 | Feb. 1, 1967 | 18.52 |
| May 27 | 18.93 | 29 | 19.29 | Nov. 29 | 19.50 | 27 | 18.20 |
| June 24 | 19.12 | Aug. 25 | 19.41 | Dec. 27 | 19.13 | Mar. 29 | 17.27 |
| July 29 | 19.20 | Sept. 28 | 19.61 | Jan. 28, 1966 | 18.76 | Apr. 27 | 16.01 |
| Aug. 26 | 19.32 | Oct. 30 | 19.78 | Feb. 28 | 18.30 | May 29 | 16.51 |
| Sept. 27 | 19.36 | Nov. 27 | 19.19 | Mar. 29 | 17.36 | June 28 | 16.92 |
| Oct. 28 | 19.56 | Dec. 29 | 19.85 | Apr. 28 | 17.19 | July 28 | 17.31 |
| Nov. 29 | 19.62 | Jan. 27, 1965 | 19.80 | May 27 | 16.70 | Aug. 29 | 17.80 |
| Dec. 30 | 19.89 | Feb. 26 | 19.61 | June 28 | 17.49 | Sept. 28 | 18.05 |
| Jan. 29, 1964 | 19.88 | Mar. 29 | 19.33 | July 28 | 17.87 | Oct. 27 | 18.08 |
| Feb. 27 | 19.93 | Apr. 27 | 18.46 | Aug. 26 | 18.27 | Nov. 28 | 17.85 |
| Mar. 27 | 19.93 | May 27 | 18.46 | Sept. 27 | 18.60 | Dec. 27 | 17.13 |
| Apr. 24 | 19.54 | June 28 | 18.80 | | | | |

Crawford County

South Branch Township

443309N0842420.1. Local number 25N 1W 15-ddad. Formerly 25N 1W 15-1. State Dept. of Natural Resources. Huron National Forest. Drilled unused artesian well in deposits of Pleistocene age, diam 6 in, depth 56 ft. Led about 1,190 ft above msl. 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: 1948-67.

| Water level at 2 a.m., from recorder graph, 1963 | | | | | | | | | | | |
|---|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | 31.67 | 31.96 | 32.24 | 32.55 | 31.81 | 31.18 | 30.60 | 30.58 | 30.88 | 31.16 | 31.43 31.77 |
| 10 | 31.70 | 31.99 | 32.26 | 32.47 | 31.68 | 31.03 | 30.56 | 30.56 | 30.90 | 31.19 | 31.48 31.80 |
| 15 | 31.77 | 32.07 | 32.35 | 32.37 | 31.59 | 30.95 | 30.50 | 30.60 | 30.97 | 31.24 | 31.54 31.89 |
| 20 | 31.73 | 32.05 | 32.30 | 32.14 | 31.51 | 30.81 | 30.49 | 30.66 | 30.99 | 31.27 | 31.63 31.95 |
| 25 | 31.85 | 32.15 | 32.43 | 32.06 | 31.45 | 30.75 | 30.54 | 30.77 | 31.15 | 31.31 | 31.69 31.92 |
| Eom | 31.90 | 32.18 | 32.51 | 31.88 | 31.33 | 30.66 | 30.54 | 30.81 | 31.18 | 31.38 | 31.70 32.10 |
| 1964 | | | | | | | | | | | |
| 5 | 32.13 | 32.44 | 32.74 | 33.18 | 33.30 | 33.18 | 32.93 | 33.02 | 33.26 | ..... | 33.72 33.99 |
| 10 | 32.14 | 32.56 | 32.86 | 33.20 | 33.29 | 33.06 | 32.92 | 33.05 | 33.30 | 33.53 | 33.76 34.03 |
| 15 | 32.24 | 32.61 | 32.92 | 33.22 | 33.32 | 33.05 | 32.91 | 33.10 | 33.33 | 33.55 | 33.82 34.07 |
| 20 | 32.25 | 32.65 | 32.99 | 33.25 | 33.32 | 33.00 | 32.93 | 33.14 | 33.35 | 33.59 | 33.84 34.12 |
| 25 | 32.24 | 32.71 | 33.03 | 33.28 | 33.29 | 32.98 | 32.94 | 33.17 | ..... | 33.63 | 33.80 34.14 |
| Eom | 32.43 | 32.77 | 33.11 | 33.27 | 33.26 | 32.96 | 32.99 | 33.24 | ..... | 33.68 | 33.86 34.22 |
| 1965 | | | | | | | | | | | |
| 5 | 34.25 | 34.50 | 34.72 | 34.88 | 33.53 | 32.69 | 32.04 | 32.13 | 32.45 | 32.78 | 33.02 33.10 |
| 10 | 34.30 | 34.54 | 34.75 | 34.90 | 33.38 | 32.55 | 32.00 | 32.18 | 32.50 | 32.81 | 33.02 33.14 |
| 15 | 34.35 | 34.60 | 34.77 | 34.30 | 33.26 | 32.41 | 31.99 | 32.24 | 32.50 | 32.84 | 33.05 33.12 |
| 20 | 34.37 | 34.61 | 34.80 | 34.03 | 33.15 | 32.28 | 32.01 | 32.33 | 32.62 | 32.89 | 33.06 33.15 |
| 25 | 34.40 | 34.64 | 34.83 | 33.85 | 33.01 | 32.19 | 32.01 | 32.36 | 32.67 | 32.93 | 33.09 33.13 |
| Eom | 34.45 | 34.70 | 34.86 | 33.67 | 32.85 | 32.12 | 32.08 | 32.42 | 32.70 | 32.91 | 33.09 33.10 |
| 1966 | | | | | | | | | | | |
| 5 | 33.07 | 32.65 | 32.36 | 32.24 | 32.10 | 31.76 | 31.38 | 31.54 | 31.91 | 32.23 | 32.58 h32.98 |
| 10 | 32.96 | 32.58 | 32.41 | 32.23 | 32.05 | 31.68 | 31.35 | 31.58 | 32.00 | 32.27 | 32.61 33.04 |
| 15 | 32.90 | 32.52 | 32.35 | 32.22 | 32.01 | 31.60 | 31.39 | 31.64 | 32.02 | 32.34 | 32.70 |
| 20 | 32.85 | 32.50 | 32.31 | 32.17 | 31.93 | 31.56 | 31.41 | 31.69 | 32.07 | 32.39 | ..... ..... |
| 25 | 32.77 | 32.44 | 32.38 | 32.14 | 31.86 | 31.53 | 31.46 | 31.73 | 32.13 | 32.46 | ..... ..... |
| Eom | 32.67 | 32.42 | 32.37 | 32.13 | 31.80 | 31.49 | 31.54 | 31.78 | 32.16 | 32.51 | ..... ..... |
| Lowest water level for the day, from recorder graph, 1967 | | | | | | | | | | | |
| 5 | e32.00 | 31.49 | 31.63 | 31.77 | ..... | 29.75 | 29.43 | 29.46 | 29.73 | 30.06 | 30.37 30.64 |
| 10 | 31.90 | 31.45 | 31.65 | 31.72 | ..... | 29.62 | 29.37 | 29.46 | 29.79 | 30.10 | 30.41 30.67 |
| 15 | 31.79 | 31.50 | 31.72 | 31.64 | ..... | 29.57 | 29.40 | 29.49 | 29.81 | 30.13 | 30.48 30.73 |
| 20 | 31.69 | 31.51 | 31.78 | 31.60 | ..... | 29.52 | ..... | 29.51 | 29.83 | 30.17 | 30.52 30.77 |
| 25 | 31.58 | 31.59 | 31.82 | 31.44 | ..... | 29.46 | ..... | 29.60 | 29.91 | 30.19 | 30.54 30.75 |
| Eom | 31.57 | 31.54 | 31.80 | 31.24 | ..... | 29.43 | 29.42 | 29.68 | 29.91 | 30.29 | 30.62 30.80 |

e Estimated.

h Tape measurement.

Dickinson County

Breitung Township

455518N0875941.1. Local number 41N 30W 25-adcc. Formerly 41N 30W 25-3. (W.M.P. No. 3). Oscar Martinson. Merriman. Dug domestic and stock water-table well in glacial till, diam 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, November 1948 to April 1949, Feb. 28, Mar. 29, 1956, Jan. 30, Feb. 27, 1964. Records available: 1945-46, 1948-67. Measurements made by Wisconsin-Michigan Power Co. Measurement discontinued.

455518N0875941, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 30, 1963 | 9.20 | Dec. 3, 1963 | 12.04 | Oct. 1, 1964 | 7.00 | July 1, 1965 | 5.33 |
| Feb. 27 | 9.92 | Jan. 2, 1964 | 12.13 | 29 | 8.88 | 30 | 7.44 |
| Apr. 2 | 7.24 | 30 | (f) | Nov. 30 | 8.26 | Sept. 1 | 8.44 |
| May 1 | 7.49 | Feb. 27 | (f) | Dec. 31 | 9.48 | 30 | 6.11 |
| 31 | 5.54 | Mar. 30 | 11.10 | Jan. 2, 1965 | 10.07 | Nov. 1 | 7.31 |
| July 2 | 7.01 | May 1 | 7.66 | Mar. 2 | 10.78 | 29 | 7.70 |
| 31 | 8.36 | June 2 | 6.79 | Apr. 3 | 10.42 | Jan. 31, 1966 | (k) |
| Aug. 29 | 9.57 | July 2 | 8.38 | 29 | 1.73 | Mar. 1 | 5.37 |
| Oct. 1 | 10.62 | 31 | 9.57 | June 1 | 1.81 | Apr. 4 | (k) |
| Nov. 1 | 11.42 | Aug. 31 | 9.71 | | | | |

f Dry.

k Frozen.

Eaton County

City of Grand Ledge

424524N0844525.1. Local number 4N 4W 2-cdc. Formerly 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 848.59 ft above msl. MP top of recorder base, 1.00 ft above lsd. Highest water level 21.11 below lsd, June 30, 1967; lowest 30.10 below lsd, Aug. 5, 1964. Records available: 1948-67. Water levels affected by regional pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5 | 27.60 | 28.14 | 28.40 | 28.38 | 28.38 | 28.37 | 28.41 | 28.10 | 28.36 | 28.89 | 29.99 | 29.23 |
| 10 | 27.69 | 28.20 | 28.41 | 28.36 | 28.33 | 28.24 | 28.47 | 27.96 | 28.50 | 28.90 | 29.05 | 29.23 |
| 15 | 27.81 | 28.25 | 28.39 | 28.38 | 28.33 | 28.21 | 28.43 | 27.96 | 28.48 | 28.97 | 29.12 | 29.23 |
| 20 | e27.83 | 28.32 | 28.33 | 28.35 | 28.32 | 28.31 | 28.31 | 28.09 | 28.56 | 29.01 | 29.15 | 29.22 |
| 25 | 28.01 | 28.33 | 28.30 | 28.38 | 28.30 | 28.42 | 28.27 | 28.24 | 28.74 | 28.95 | 29.18 | 29.19 |
| Eom | 28.01 | 28.34 | 28.38 | 28.39 | 28.37 | 28.42 | 28.16 | 28.29 | 28.80 | 28.95 | 29.19 | e29.21 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 29.25 | 29.46 | 29.73 | 29.65 | 29.57 | 29.63 | 29.90 | 30.10 | 29.89 | 29.87 | 29.98 | 30.05 |
| 10 | 29.31 | 29.56 | 29.75 | 29.60 | 29.59 | 29.74 | 29.90 | 30.06 | 29.92 | 29.90 | 30.02 | 30.00 |
| 15 | 29.31 | 29.56 | 29.80 | 29.60 | 29.60 | 29.77 | 29.88 | 30.02 | 29.97 | 29.82 | 30.07 | 29.92 |
| 20 | 29.37 | 29.58 | 29.83 | 29.64 | 29.46 | 29.71 | 29.88 | 29.97 | 29.86 | 29.85 | 29.99 | 29.89 |
| 25 | 29.35 | 29.62 | 29.81 | 29.62 | 29.49 | 29.86 | 29.87 | 29.88 | 29.98 | 30.00 | 29.92 | 29.87 |
| Eom | 29.44 | 29.68 | 29.74 | 29.59 | 29.54 | 29.84 | 30.01 | 29.86 | 29.87 | 30.06 | 29.91 | 29.93 |

1965

| | | | | | | | | | | | | |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 29.90 | 29.93 | 29.10 | 28.46 | 27.86 | 27.87 | 28.10 | 28.31 | 28.27 | 27.97 | 29.10 | 28.20 |
| 10 | 29.93 | 29.76 | 28.77 | 28.29 | 27.84 | 27.94 | 28.12 | 28.33 | 28.26 | 27.95 | 29.09 | 28.36 |
| 15 | 29.96 | e29.45 | 28.68 | 28.08 | 27.87 | 28.09 | 28.19 | 28.28 | 28.20 | 27.98 | 29.11 | 28.18 |
| 20 | 29.91 | ..... | 28.64 | 28.01 | 27.96 | 28.03 | 28.28 | 28.33 | 28.18 | 27.94 | 29.14 | 28.18 |
| 25 | 29.87 | e29.45 | 28.65 | 27.92 | 27.92 | 28.05 | 28.33 | 28.25 | 27.98 | 27.97 | 29.24 | 28.30 |
| Eom | 29.86 | ..... | 28.65 | 27.88 | 27.93 | 28.06 | 28.28 | 28.16 | 27.92 | 28.05 | 29.26 | 28.13 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 28.13 | 28.12 | 27.76 | 27.27 | 26.79 | 26.06 | 25.98 | 26.00 | 25.85 | 25.99 | 26.50 | ..... |
| 10 | 28.00 | 27.98 | 27.83 | 27.27 | 26.72 | 26.02 | 26.11 | ..... | 25.94 | 25.98 | 26.15 | ..... |
| 15 | 28.01 | 28.08 | 27.69 | 27.22 | 26.50 | 25.91 | 26.00 | ..... | 25.93 | 26.10 | 26.34 | ..... |
| 20 | 28.05 | 28.12 | 27.66 | 27.06 | ..... | 25.92 | 25.86 | ..... | 25.94 | 26.26 | 26.34 | ..... |
| 25 | 28.09 | 27.87 | 27.46 | 27.01 | ..... | 26.00 | 25.93 | ..... | 25.95 | 26.35 | 26.15 | ..... |
| Eom | 28.04 | 27.86 | 27.35 | 26.89 | 26.21 | 25.99 | 25.98 | 26.00 | 26.05 | 26.48 | 26.28 | 25.87 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 25.99 | 25.95 | 25.92 | 24.50 | 22.04 | 21.62 | 21.33 | 21.71 | 22.37 | ..... | 23.03 | 23.33 |
| 10 | 26.00 | 25.78 | 25.96 | 24.03 | 21.80 | 21.48 | 21.18 | 21.87 | 22.53 | ..... | 23.97 | 23.64 |
| 15 | 26.00 | 25.95 | 25.98 | 23.22 | 21.54 | 21.47 | 21.40 | 21.88 | ..... | ..... | 23.19 | 23.48 |
| 20 | 26.07 | 25.82 | 25.70 | 22.98 | 21.67 | 21.40 | 21.44 | 21.91 | ..... | ..... | 23.14 | 23.25 |
| 25 | 26.08 | 26.08 | 25.45 | 22.68 | 21.46 | 21.35 | 21.28 | 22.06 | ..... | ..... | 23.19 | ..... |
| Eom | 25.97 | 26.05 | 25.17 | 22.11 | 21.63 | 21.11 | 21.52 | 22.35 | ..... | 22.97 | 23.38 | 22.91 |

e Estimated.

Genesee CountyCity of Flint

430039N0833952.1. Local number 7N 7E 17-acc. Formerly 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. Highest water level 24.23 below lsd, Feb. 12, 1950; lowest 37.99 below lsd, Aug. 24, 1955. Records available: 1946-67. Water levels affected by regional pumping. No measurement made January through March 1966; November 1966 through January 1967. Publication discontinued in series of U.S. Geological Survey water-supply papers.

430039N0833952.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 25.89 | 25.39 | 25.38 | 25.64 | 27.04 | 29.00 | 31.34 | 32.22 | 29.90 | 29.50 | 27.35 | ..... |
| 10 | 25.96 | 25.26 | 25.42 | 25.36 | 27.85 | 29.25 | 31.45 | 32.50 | 30.10 | 30.00 | 27.15 | 26.58 |
| 15 | 25.97 | 25.46 | 25.56 | 25.27 | 25.88 | 28.35 | 31.59 | 31.50 | 29.35 | 29.45 | ..... | 26.54 |
| 20 | 25.56 | 25.30 | 25.20 | 26.24 | 26.45 | 29.12 | 31.78 | 31.00 | 30.30 | 29.35 | ..... | 26.44 |
| 25 | 25.63 | 25.47 | 25.39 | 25.61 | 26.96 | 29.59 | 32.16 | 31.80 | 29.45 | 30.19 | ..... | 26.29 |
| Eom | 25.46 | 25.49 | 25.68 | 25.46 | 27.86 | 30.73 | 32.50 | 31.11 | 29.20 | 27.85 | ..... | 26.50 |
| 1964 | | | | | | | | | | | | |
| 5 | 26.30 | 25.75 | 25.95 | 25.54 | 26.99 | ..... | ..... | ..... | 31.25 | 28.55 | ..... | 26.92 |
| 10 | 26.35 | 25.87 | 25.65 | 25.42 | 26.49 | ..... | ..... | ..... | 31.74 | 27.96 | ..... | 26.88 |
| 15 | 26.24 | 25.86 | 25.52 | 25.44 | 26.75 | ..... | ..... | ..... | 30.16 | 28.90 | 29.54 | 26.86 |
| 20 | 26.24 | 25.90 | 25.64 | 26.28 | ..... | ..... | ..... | 30.97 | 29.95 | 27.80 | 27.97 | 26.92 |
| 25 | 26.14 | 25.83 | 25.66 | 26.38 | ..... | 29.84 | ..... | 30.32 | 30.19 | 27.59 | 27.01 | 26.73 |
| Eom | 26.10 | 25.94 | 25.57 | 25.65 | ..... | 30.79 | ..... | 30.95 | 29.88 | 29.02 | 27.04 | 27.10 |
| 1965 | | | | | | | | | | | | |
| 5 | 26.89 | 26.64 | 26.34 | 26.60 | 27.50 | 28.18 | 32.20 | 32.36 | 31.50 | 29.08 | 27.53 | 26.75 |
| 10 | 26.94 | 26.23 | 26.60 | 26.24 | 29.03 | 30.46 | 32.10 | 32.67 | 31.65 | 28.15 | 27.45 | 26.90 |
| 15 | 26.83 | 26.56 | 26.53 | 25.75 | 29.01 | 31.07 | 32.47 | 33.19 | 31.31 | 29.85 | 27.25 | 26.66 |
| 20 | 26.64 | 26.56 | 26.71 | 26.11 | 29.45 | 31.21 | 31.88 | 33.13 | 31.45 | 29.70 | 27.15 | 26.58 |
| 25 | 26.46 | 26.30 | 26.73 | 26.30 | 29.40 | 32.03 | 32.80 | 32.55 | 31.80 | 27.63 | 27.07 | 26.44 |
| Eom | 26.56 | 26.36 | 26.85 | 26.18 | 29.11 | 32.05 | 32.60 | 31.52 | 30.73 | 27.41 | ..... | 26.09 |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | 25.58 | 29.71 | 32.82 | 32.85 | 32.15 | 28.00 | ..... | ..... |
| 10 | ..... | ..... | ..... | ..... | 25.62 | 29.05 | 33.12 | 32.96 | 31.67 | 28.21 | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | 25.55 | 29.75 | 33.00 | 32.42 | 30.40 | 28.40 | ..... | ..... |
| 20 | ..... | ..... | ..... | 25.54 | 28.28 | 30.02 | 32.87 | 32.50 | 31.14 | 27.51 | ..... | ..... |
| 25 | ..... | ..... | ..... | 25.60 | 29.12 | 31.65 | 32.87 | 31.89 | 30.59 | 27.42 | ..... | ..... |
| Eom | ..... | ..... | ..... | 25.62 | 28.70 | 32.44 | 33.29 | 32.15 | 28.37 | 27.24 | ..... | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | ..... | ..... | 25.36 | 25.90 | 25.22 | 28.05 | 28.37 | 31.12 | 30.62 | 29.90 | 26.45 | 25.52 |
| 10 | ..... | 25.34 | 25.41 | 25.11 | 24.77 | 29.14 | 29.21 | 31.22 | 31.05 | 28.39 | 26.07 | 25.23 |
| 15 | ..... | 25.42 | 25.39 | 25.82 | 24.50 | 29.61 | 27.60 | 30.97 | 30.65 | 27.08 | 26.00 | 25.23 |
| 20 | ..... | 25.43 | 25.40 | 25.27 | 25.84 | 29.00 | 29.82 | 31.23 | 30.93 | ..... | 25.77 | 24.95 |
| 25 | ..... | ..... | 25.31 | 24.82 | 27.11 | 28.61 | 30.64 | 31.10 | 30.10 | ..... | 25.70 | 25.12 |
| Eom | ..... | ..... | 26.82 | 25.09 | 25.50 | 28.90 | 30.65 | 30.90 | 27.57 | 28.41 | 25.70 | 25.25 |

425922N0834019.1. Local number 7N 7E 20-cccd. Formerly 7N 7E 20-2. City of Flint. Atherton Road and Day St., Flint. Drilled unused artesian well in deposits of Pleistocene age, diam 2 in, depth 169 ft. Lsd 749.48 (previously reported 751.43) ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 1.09 below lsd, Apr. 26, 1960; lowest 10.95 below lsd, July 28, 1966. Records available: 1947-67. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Apr. 1, 1963 | 6.01 | June 23, 1964 | 7.44 | July 2, 1965 | 10.09 | July 28, 1966 | 10.95 |
| June 24 | 7.26 | Sept. 17 | 8.66 | Oct. 25 | 8.24 | Oct. 27 | 8.78 |
| Sept. 17 | 7.81 | Dec. 10 | 7.48 | Jan. 7, 1966 | 6.84 | Mar. 2, 1967 | 6.99 |
| Dec. 10 | 6.92 | Apr. 6, 1965 | 7.68 | Apr. 20 | 6.04 | Apr. 27 | 6.13 |
| Apr. 15, 1964 | 6.27 | | | | | | |

Burton Township

425737N0834014.1. Local number 7N 7E 32-cccc. Formerly 7N 7E 32-1; Ge Bu 492. Arthur W. Arndt. South Saginaw St. and Maple Rd. Drilled unused artesian well in deposits of Pleistocene age, diam 2 in, depth 140 ft. Lsd 792.27 ft above msl. MP top of pipe, 1.45 ft above lsd (1.65 ft before 1964). Highest water level 18.51 below lsd, June 2, 1947; lowest 44.45 below lsd, Oct. 30, 1967. Records available: 1946-67. Water levels affected by nearby pumping.

| | | | | | | | |
|---------------|-------|----------------|-------|---------------|-------|---------------|-------|
| Mar. 29, 1951 | 20.22 | Sept. 15, 1955 | 30.35 | Sept. 2, 1959 | 35.36 | Dec. 10, 1963 | 37.84 |
| June 22 | 21.06 | Dec. 13 | 27.77 | Apr. 19, 1960 | 30.58 | Apr. 15, 1964 | 37.06 |
| Sept. 26 | 23.48 | Apr. 13, 1956 | 28.56 | July 1 | 30.79 | June 23 | 37.39 |
| Dec. 26 | 22.03 | July 6 | 29.45 | Dec. 23 | 32.74 | Sept. 17 | 39.13 |
| Mar. 27, 1952 | 21.61 | Sept. 27 | 28.95 | Mar. 30, 1961 | 32.73 | Dec. 10 | 39.36 |
| July 30 | 25.60 | Dec. 12 | 27.82 | June 14 | 32.92 | Apr. 6, 1965 | 39.33 |
| Sept. 29 | 25.35 | Apr. 25, 1957 | 26.73 | Sept. 29 | 34.99 | July 2 | 39.27 |
| Dec. 31 | 24.02 | July 20 | 26.61 | Dec. 18 | 34.74 | Oct. 25 | 41.61 |
| Mar. 25, 1953 | 23.51 | Oct. 17 | 29.59 | Apr. 2, 1962 | 34.34 | Jan. 7, 1966 | 39.99 |
| Oct. 30 | 26.38 | Dec. 30 | 27.93 | June 25 | 34.98 | Apr. 20 | 38.32 |
| Mar. 10, 1954 | 24.17 | Apr. 15, 1958 | 27.42 | Sept. 18 | 37.76 | July 28 | 39.34 |
| June 21 | 25.42 | July 8 | 28.39 | Dec. 12 | 36.78 | Oct. 27 | 40.98 |
| Sept. 16 | 28.45 | Sept. 23 | 32.57 | Apr. 1, 1963 | 35.72 | Mar. 2, 1967 | 40.28 |
| Dec. 20 | 26.28 | Dec. 15 | 32.66 | June 24 | 36.03 | July 28 | 41.91 |
| Apr. 7, 1955 | 24.67 | Mar. 30, 1959 | 32.76 | Sept. 17 | 37.82 | Oct. 30 | 44.45 |
| June 13 | 26.70 | June 24 | 32.93 | | | | |

Grand Blanc Township

425552N0833818.1. Local number 6N 7E 9-dodd. Formerly 6N 7E 9-1. Fisher Body Div., General Motors Corp. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 6 in, depth 235 ft, cased to about 150'. Led 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 66.5 below lsd, July 26, 1966. Records available: 1952-67. Water levels affected by nearby pumping. Measurements made by Plant Water Dept. personnel.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 54.3 | 56.9 | 57.6 | 55.5 | 53.4 | 60.7 | 64.0 | 60.0 | 55.1 | 57.7 | 56.7 | 55.9 |
| 10 | 55.2 | 53.9 | 55.7 | 54.9 | 57.4 | 57.3 | 61.8 | 61.3 | 55.6 | 58.6 | 55.6 | 55.2 |
| 15 | 55.0 | 57.6 | 56.7 | 52.5 | 54.7 | 57.0 | 62.2 | 58.6 | 56.5 | 58.8 | 56.7 | 54.8 |
| 20 | 53.9 | 57.3 | 54.9 | 55.1 | 53.5 | 57.6 | 61.8 | 55.7 | 58.3 | 58.2 | 56.0 | 55.5 |
| 25 | 56.4 | 57.5 | 53.7 | 55.5 | 54.6 | 60.3 | 61.4 | 55.9 | 56.8 | 59.4 | 54.9 | 53.9 |
| Eom | 56.2 | 60.1 | 54.0 | 54.8 | 55.9 | 62.4 | 63.1 | 55.7 | 56.1 | 58.5 | 56.0 | 55.3 |
| 1964 | | | | | | | | | | | | |
| 5 | 54.5 | 53.2 | 53.1 | 53.6 | 54.4 | 59.2 | 56.9 | 63.3 | 59.7 | 53.9 | 57.4 | 55.1 |
| 10 | 55.0 | 52.5 | 52.4 | 54.5 | 54.1 | 59.4 | 59.5 | 62.8 | 60.8 | 53.3 | 56.8 | 56.4 |
| 15 | 53.2 | 53.2 | 52.5 | 54.6 | 54.8 | 59.7 | 57.7 | 60.0 | 61.4 | 53.6 | 57.0 | 55.4 |
| 20 | 52.2 | 52.7 | 54.4 | 54.0 | 54.6 | 58.1 | 59.8 | 60.3 | 59.9 | 53.9 | 55.0 | 55.9 |
| 25 | 53.4 | 52.2 | 54.6 | 54.9 | 56.4 | 56.0 | 63.4 | 57.6 | 58.6 | 53.8 | 55.6 | 55.5 |
| Eom | 54.0 | 53.6 | 53.8 | 55.4 | 57.2 | 59.6 | 65.2 | 57.0 | 54.9 | 56.9 | 54.5 | 55.9 |
| 1965 | | | | | | | | | | | | |
| 5 | 54.8 | 52.3 | 51.1 | 50.3 | 52.3 | 53.3 | 58.5 | 59.7 | 55.4 | 54.5 | 55.0 | 52.7 |
| 10 | 55.0 | 51.7 | 51.1 | 52.1 | 52.1 | 54.2 | 58.9 | 60.2 | 55.0 | 54.2 | 54.7 | 53.8 |
| 15 | 55.2 | 51.4 | 49.9 | 52.6 | 52.4 | 57.0 | 63.3 | 61.4 | 55.0 | 54.7 | 54.9 | 53.1 |
| 20 | 54.9 | 51.4 | 51.3 | 50.6 | 52.8 | 59.8 | 60.3 | 59.0 | 55.6 | 54.8 | 54.6 | 52.4 |
| 25 | 54.4 | 50.8 | 52.3 | 51.3 | 53.0 | 61.2 | 63.5 | 57.0 | 55.4 | 53.9 | 54.2 | 51.9 |
| Eom | 53.7 | 50.4 | 51.6 | 52.3 | 51.5 | 62.6 | 63.1 | 55.6 | 55.2 | 54.0 | 52.9 | 51.6 |
| 1966 | | | | | | | | | | | | |
| 5 | 52.2 | 52.1 | 52.0 | 51.1 | 52.7 | 56.2 | 64.9 | 63.6 | 58.9 | 57.8 | 56.4 | 53.6 |
| 10 | 51.5 | 52.9 | 52.0 | 51.2 | 51.4 | ... | 65.8 | 64.6 | 59.2 | 57.3 | 56.5 | 53.7 |
| 15 | 51.7 | 51.8 | 51.4 | 51.1 | 50.9 | 56.2 | 62.5 | 61.1 | 59.2 | 57.6 | 55.9 | 53.6 |
| 20 | 54.4 | 51.3 | 51.6 | 52.1 | 52.1 | 56.4 | 61.7 | 59.6 | 59.4 | 57.3 | 54.8 | 53.5 |
| 25 | 52.4 | 52.2 | 51.6 | 51.9 | 52.4 | ... | 65.4 | 59.0 | 58.8 | 57.0 | 54.4 | 51.2 |
| Eom | 51.4 | 51.5 | 52.3 | 51.6 | 52.5 | 64.7 | 63.2 | 61.7 | 58.7 | 56.4 | 54.2 | 52.3 |
| 1967 | | | | | | | | | | | | |
| 5 | 52.3 | 54.8 | 51.9 | 51.3 | 53.4 | 61.6 | 53.7 | 58.8 | 56.8 | 57.3 | 53.7 | 51.9 |
| 10 | 52.4 | 53.6 | 52.3 | 51.7 | 50.5 | 59.3 | 55.0 | 58.1 | 58.4 | 56.9 | 53.4 | 50.1 |
| 15 | 52.1 | 52.7 | 53.1 | 52.9 | 50.8 | 57.5 | 54.8 | 62.4 | 59.4 | 56.3 | 53.3 | 50.8 |
| 20 | 52.7 | 52.1 | 52.1 | 50.4 | 52.1 | 56.8 | 56.9 | 63.8 | 63.3 | 55.2 | 52.3 | 49.9 |
| 25 | 53.0 | 52.1 | 52.6 | 49.1 | 52.4 | 55.8 | 60.1 | 59.6 | 61.4 | 54.2 | 51.2 | 50.8 |
| Eom | 53.0 | 52.4 | 52.9 | 49.1 | 54.5 | 55.0 | 60.6 | 58.9 | 58.3 | 56.1 | 52.1 | 50.4 |

e Estimated

Gladwin County

City of Beaverton

435300N0842900.1. Local number 17N 1W 7-bcad. Formerly 17N 1W 7-1. City of Beaverton. Third and Main Sts., Beaverton. Drilled municipal artesian well in deposits of Pleistocene age, diam 12 in, depth 93 ft, screened 65-93. Led 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: 1950-67. Water levels affected by nearby pumping. Measurements made by City of Beaverton. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 2, 1963 | 32.74 | Feb. 23, 1964 | 33.32 | Mar. 1, 1965 | 33.37 | Mar. 10, 1959 | 32.42 |
| 28 | 33.30 | Mar. 3 | 33.39 | 15 | 32.20 | 21 | 32.28 |
| Feb. 4 | 33.22 | 9 | 33.72 | Apr. 6 | 32.71 | Apr. 1 | 32.22 |
| 11 | 33.32 | 19 | 33.02 | 13 | 28.77 | 23 | 30.02 |
| 19 | 33.32 | Apr. 20 | 32.65 | June 16 | 32.73 | May 3 | 30.13 |
| 28 | 33.51 | 30 | 32.71 | July 3 | 33.34 | 16 | 30.15 |
| Mar. 11 | 33.24 | May 12 | 32.30 | 14 | 32.84 | 22 | 30.29 |
| 21 | 33.32 | 18 | 32.62 | 22 | 33.02 | June 2 | 30.14 |
| 29 | 30.54 | 26 | 32.41 | 29 | 33.00 | 10 | 31.58 |
| Apr. 19 | 32.42 | June 3 | 32.23 | Aug. 12 | 33.35 | 21 | 32.10 |
| 29 | 32.33 | 6 | 33.12 | 27 | 32.19 | 30 | 32.09 |
| May 6 | 32.37 | 10 | 32.90 | Sept. 2 | 33.03 | July 11 | 33.16 |
| 13 | 33.79 | 13 | 31.78 | 8 | 32.94 | Aug. 6 | 32.10 |
| 22 | 32.42 | July 22 | 33.50 | Oct. 5 | 32.32 | 15 | 32.30 |
| 29 | 33.10 | Aug. 5 | 33.73 | 11 | 32.31 | Sept. 6 | 32.70 |
| June 2 | 32.39 | Sept. 24 | 33.04 | 17 | 32.47 | 30 | 32.70 |
| 17 | 32.25 | Oct. 26 | 33.15 | 28 | 32.58 | Oct. 25 | 32.80 |
| 24 | 32.32 | Nov. 10 | 32.18 | Nov. 2 | 32.27 | Nov. 1 | 33.99 |
| July 1 | 32.38 | 24 | 33.29 | 12 | 32.22 | 11 | 33.50 |
| 8 | 32.44 | Dec. 2 | 32.27 | Dec. 7 | 32.49 | 23 | 33.99 |
| Aug. 21 | 33.16 | 9 | 32.09 | 16 | 32.88 | Dec. 13 | 31.93 |
| Sept. 3 | 32.70 | 17 | 32.39 | Jan. 6, 1966 | 32.54 | 23 | 32.95 |
| Oct. 24 | 32.60 | Jan. 11, 1965 | 32.91 | 12 | 32.39 | Jan. 3, 1957 | 33.95 |
| Nov. 7 | 32.64 | 15 | 33.17 | Feb. 8 | 32.71 | 18 | 32.67 |
| Dec. 6 | 32.52 | 25 | 33.09 | 15 | 32.54 | Feb. 3 | 32.93 |
| Jan. 8, 1964 | 32.90 | Feb. 16 | 32.87 | 24 | 31.90 | 22 | 32.46 |
| Feb. 11 | 33.28 | 23 | 33.43 | Mar. 1 | 32.38 | | |

Gogebic CountyIronwood Township

463029N0901334.1. Local number 48N 47W 31-dodec. Formerly 48N 27W 31-1. City of Ironwood.

Big Springs well field. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 1½ in, depth 115 ft, screened 112-115. Lsd about 1,170 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 12.6 below lsd, June 2, 1966; lowest 33.0 below lsd, Jan. 26, 1966. Records available: 1963-67. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | | | | | | | | | 22.0 | 22.2 | .... | 25.8 |
| 10 | | | | | | | | | 21.8 | 22.5 | .... | 26.6 |
| 15 | | | | | | | | | 21.4 | 22.7 | .... | 26.1 |
| 20 | | | | | | | | | 22.1 | 22.5 | .... | 27.1 |
| 25 | | | | | | | | | 21.8 | 23.2 | .... | 26.3 |
| Eom | | | | | | | | 21.7 | e21.9 | 23.1 | 24.0 | 27.0 |

1964

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 26.0 | 27.0 | 26.5 | 24.0 | 17.0 | 17.2 | 18.3 | .... | 20.4 | 20.5 | 21.0 | .... |
| 10 | 26.0 | 26.6 | 25.9 | 24.3 | 16.1 | 17.6 | 18.6 | .... | .... | 20.4 | 20.7 | .... |
| 15 | 26.7 | 28.4 | 25.2 | 18.1 | 16.4 | 17.5 | 18.8 | .... | .... | 20.8 | 20.3 | 20.7 |
| 20 | 25.5 | 28.1 | 25.7 | 16.6 | 17.0 | 17.8 | 18.9 | .... | .... | 20.6 | 20.5 | 20.9 |
| 25 | 26.6 | 27.3 | 26.3 | 16.6 | 16.4 | 18.0 | 19.3 | 19.7 | 20.7 | 20.3 | .... | 21.0 |
| Eom | 27.6 | 27.2 | 25.7 | 16.7 | 16.5 | 18.3 | 18.8 | 19.9 | 20.8 | 20.8 | .... | 21.9 |

1965

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 22.8 | 23.1 | 24.9 | 22.5 | 17.7 | 17.7 | .... | .... | 21.0 | 21.5 | 20.7 | 20.6 |
| 10 | 22.5 | 23.6 | 23.5 | 23.3 | .... | .... | .... | .... | 21.0 | 21.0 | 21.0 | 20.7 |
| 15 | .... | 23.5 | 21.8 | 20.3 | .... | .... | .... | .... | 21.2 | 21.1 | 21.0 | 20.3 |
| 20 | .... | 24.0 | 24.0 | 19.4 | .... | .... | .... | .... | 21.0 | 20.9 | 20.7 | 19.7 |
| 25 | 23.0 | 24.7 | 24.5 | 16.7 | .... | .... | .... | .... | 21.2 | .... | 20.9 | 20.3 |
| Eom | 22.4 | 25.5 | 23.2 | 17.3 | .... | .... | .... | 20.7 | 21.5 | 20.7 | 21.0 | .... |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|-------|------|------|------|------|------|------|------|
| 5 | 18.9 | .... | 19.3 | 15.4 | .... | .... | .... | .... | 21.6 | 20.5 | 22.7 | 22.2 |
| 10 | 18.4 | .... | 18.7 | .... | .... | .... | .... | .... | 21.4 | 21.4 | 22.8 | .... |
| 15 | 27.8 | .... | 17.5 | 15.7 | .... | .... | .... | 22.8 | 18.0 | 21.4 | 22.8 | .... |
| 20 | 32.2 | .... | 15.9 | 15.1 | e28.3 | .... | .... | 21.5 | 17.7 | 20.9 | 22.6 | .... |
| 25 | 32.2 | .... | 15.4 | 16.4 | e28.4 | .... | .... | 21.4 | 22.1 | 20.8 | 22.3 | .... |
| Eom | .... | .... | 15.4 | 18.5 | .... | .... | .... | 21.2 | 21.6 | 20.7 | 22.1 | .... |

1967

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | .... | .... | .... | .... | 13.7 | .... | .... | 20.4 | .... | 21.3 | 21.0 | 19.0 |
| 10 | .... | .... | .... | .... | 14.0 | .... | .... | .... | 20.8 | 21.1 | 20.5 | 19.2 |
| 15 | 22.7 | 20.5 | .... | 15.6 | 14.2 | .... | 16.8 | .... | .... | 20.9 | 19.3 | 19.2 |
| 20 | .... | 20.8 | .... | 14.9 | 14.5 | .... | .... | .... | .... | 21.7 | 18.8 | 19.0 |
| 25 | .... | .... | 20.7 | 15.4 | 14.6 | .... | .... | .... | .... | 21.3 | 18.8 | 18.8 |
| Eom | .... | .... | 19.1 | 13.4 | .... | .... | .... | .... | .... | 22.3 | 18.7 | .... |

e Estimated.

Grand Traverse CountyBlair Township

443712N0853750.1. Local number 26N 11W 27-chad. Formerly 26N 11W 27-1. State Dept. of Nat'l Resources. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in, depth 14 ft (previously reported 15), 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, 1948-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Apr. 16, 1963 | 1.19 | July 14, 1964 | 2.51 | Oct. 11, 1965 | 1.80 | Dec. 13, 1966 | 1.59 |
| July 18 | 2.35 | Oct. 8 | 3.10 | Dec. 9 | 2.14 | Apr. 5, 1967 | 1.50 |
| Sept. 5 | 2.90 | Dec. 10 | 2.86 | Apr. 5, 1966 | 1.50 | July 3 | 1.22 |
| Dec. 12 | 2.49 | Apr. 26, 1965 | 1.82 | July 14 | 2.35 | Oct. 3 | 2.49 |
| Apr. 10, 1964 | 1.76 | July 9 | 2.42 | Oct. 11 | 3.08 | Dec. 4 | 2.20 |

Gratiot CountyCity of Alma

432235N0843900.1. Local number 11N 3W 3-bbdb. Formerly 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 above msl. MP top of 2-in coupling, 1.10 ft above lsd. Highest water level 4.99 below lsd, Feb. 27, 1959; lowest 36.28 below lsd, Oct. 30, 1964. Records available: 1946-67. Water levels affected by regional pumping. No measurements made January through October, 1967.

| | | | | | | | |
|---------------|-------|---------------|-------|----------------|-------|---------------|-------|
| Jan. 30, 1963 | 28.26 | Nov. 26, 1963 | 35.52 | Sept. 28, 1964 | 36.07 | July 28, 1965 | 28.63 |
| Feb. 27 | 28.41 | Dec. 30 | 31.94 | Oct. 30 | 36.26 | Aug. 27 | 23.95 |
| Mar. 27 | 29.09 | Jan. 29, 1964 | 30.60 | Nov. 25 | 35.72 | Sept. 27 | 22.91 |
| Apr. 26 | 30.10 | Feb. 27 | 30.29 | Dec. 29 | 33.83 | Oct. 28 | 18.81 |
| May 27 | 30.64 | Mar. 27 | 32.37 | Jan. 27, 1965 | 33.06 | Nov. 29 | 16.18 |
| June 24 | 32.05 | Apr. 24 | 33.38 | Feb. 26 | 33.32 | Dec. 27 | 14.45 |
| July 29 | 34.86 | May 25 | 33.74 | Mar. 29 | 15.29 | Jan. 28, 1966 | 12.68 |
| Aug. 26 | 34.94 | June 23 | 34.92 | Apr. 27 | 20.35 | Feb. 28 | 11.40 |
| Sept. 27 | 34.63 | July 22 | 36.02 | May 27 | 24.23 | Mar. 29 | 10.52 |
| Oct. 28 | 35.00 | Aug. 25 | 36.02 | June 28 | 28.20 | Apr. 28 | 9.78 |

432235N0843900. 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| May 27, 1966 | 9.28 | Aug. 26, 1966 | 17.37 | Nov. 30, 1966 | 10.54 | Nov. 28, 1967 | 9.91 |
| June 28 | 12.60 | Sept. 27 | 16.59 | Dec. 28 | 8.63 | Dec. 27 | 8.63 |
| July 28 | 15.57 | Oct. 27 | 13.33 | | | | |

432319N0843847. 1. Local number 12N 3W 35-bcbc. Formerly 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 12.66 below lsd, Apr. 27, 1967; lowest 17.92 below lsd, Feb. 27, 1963. Records available: 1950-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 30, 1963 | 17.82 | May 25, 1964 | 16.61 | Aug. 27, 1965 | 17.59 | Nov. 30, 1966 | 16.62 |
| Feb. 27 | 17.92 | June 23 | 17.28 | Sept. 27 | 17.06 | Dec. 28 | 15.95 |
| Mar. 27 | 16.84 | July 22 | 17.12 | Oct. 28 | 17.03 | Feb. 1, 1967 | 15.73 |
| Apr. 26 | 17.04 | Aug. 25 | 17.31 | Nov. 29 | 16.87 | | 16.33 |
| May 27 | 16.74 | Sept. 28 | 17.49 | Dec. 27 | 16.16 | Mar. 29 | 14.95 |
| June 24 | 17.18 | Oct. 30 | 17.67 | Jan. 28, 1966 | 16.43 | Apr. 27 | 12.66 |
| July 29 | 17.47 | Nov. 25 | 17.77 | Feb. 28 | 16.01 | May 29 | 14.66 |
| Aug. 26 | 17.70 | Dec. 29 | 17.43 | Mar. 29 | 15.14 | June 28 | 14.57 |
| Sept. 27 | 17.70 | Jan. 27, 1965 | 17.43 | Apr. 28 | 15.52 | July 28 | 15.65 |
| Oct. 28 | 17.67 | Feb. 26 | 16.64 | May 27 | 15.78 | Aug. 29 | 16.41 |
| Dec. 30 | 17.71 | Mar. 29 | 16.22 | June 28 | 16.62 | Sept. 28 | 16.92 |
| Jan. 29, 1964 | 17.66 | Apr. 27 | 14.67 | July 28 | 17.15 | Oct. 30 | 16.65 |
| Feb. 27 | 17.82 | May 27 | 15.76 | Aug. 26 | 17.36 | Nov. 28 | 16.18 |
| Mar. 27 | 17.40 | June 28 | 16.77 | Sept. 27 | 17.48 | Dec. 27 | 15.56 |
| Apr. 24 | 16.93 | July 28 | 17.36 | Oct. 27 | 17.40 | | |

Village of Ithaca

431732N0843633. 1. Local number 11N 3W 36-ddcd. Formerly 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: 1947-64. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 30, 1963 | 81.28 | July 29, 1963 | 81.82 | Jan. 29, 1964 | 81.38 | July 22, 1964 | 80.93 |
| Feb. 27 | 81.40 | Aug. 26 | 81.82 | Feb. 27 | 81.16 | Aug. 25 | 80.86 |
| Mar. 27 | 81.40 | Sept. 27 | 81.54 | Mar. 27 | 81.22 | Sept. 28 | 81.02 |
| Apr. 26 | 81.64 | Oct. 28 | 81.58 | Apr. 24 | 80.90 | Oct. 30 | 80.96 |
| May 27 | 81.22 | Nov. 29 | 81.32 | May 25 | 80.68 | Nov. 25 | 80.67 |
| June 24 | 81.67 | Dec. 30 | 81.65 | June 23 | 80.61 | Dec. 29 | 80.70 |

Bethany Township

432608N0843554. 1. Local number 12N 2W 18-baab. Formerly 12N 2W 18-1. Michigan Chemical Co. River-side Dr. Drilled unused artesian well in Marshall Formation of Mississippian age, diam 5 in, depth 1,261 ft, cased to 1,096. Lsd about 720 ft above msl. MP top of platform, 0.3 ft above lsd (since Apr. 27, 1967). Highest water level 131.7 below lsd, Dec. 27, 1967; lowest 267.6 below lsd, Aug. 30, 1957. Records available: 1957-67. Water levels recovering as the result of discontinuance of pumping and possibly from the effects of injection wells.

| | | | | | | | |
|---------------|--------|---------------|-------|---------------|-------|---------------|-------|
| Aug. 30, 1957 | 267.6 | Apr. 29, 1960 | 223.7 | Oct. 18, 1962 | 187.0 | June 28, 1963 | 155.3 |
| Sept. 30 | 266.2 | May 31 | 220.8 | Nov. 14 | 186.2 | July 28 | 154.8 |
| Oct. 31 | 264.2 | June 30 | 219.7 | Dec. 13 | 185.1 | Aug. 27 | 153.6 |
| Nov. 30 | 262.2 | July 31 | 218.6 | Jan. 31, 1963 | 183.8 | Sept. 27 | 152.8 |
| Dec. 31 | 260.7 | Aug. 31 | 217.3 | Feb. 28 | 183.0 | Oct. 28 | 151.7 |
| Jan. 31, 1958 | 259.1 | Sept. 30 | 216.0 | Mar. 31 | 182.0 | Nov. 29 | 150.3 |
| Feb. 28 | 257.5 | Oct. 31 | 214.8 | May 3 | 180.5 | Dec. 27 | 149.4 |
| Mar. 31 | e256.6 | Nov. 30 | 213.3 | 30 | 178.3 | Jan. 28, 1963 | 148.7 |
| Apr. 30 | 255.2 | Dec. 31 | 212.3 | June 30 | 178.4 | Feb. 28 | 147.9 |
| May 31 | 253.6 | Jan. 28, 1961 | 211.4 | July 31 | 176.2 | Mar. 29 | 146.8 |
| June 30 | 252.1 | Feb. 27 | 210.4 | Aug. 27 | 175.3 | Apr. 28 | 146.0 |
| July 31 | 250.1 | Mar. 31 | 208.9 | Sept. 26 | 173.9 | May 27 | 144.9 |
| Aug. 31 | 248.5 | Apr. 30 | 207.7 | Oct. 19 | 173.4 | June 28 | 144.6 |
| Sept. 30 | 247.0 | May 31 | 206.5 | Dec. 30 | 171.8 | July 28 | 144.0 |
| Oct. 31 | 245.1 | June 30 | 205.1 | Jan. 29, 1964 | 170.9 | Aug. 26 | 142.6 |
| Nov. 30 | 243.6 | July 31 | 203.8 | Feb. 27 | 170.1 | Sept. 27 | 142.5 |
| Dec. 31 | 242.3 | Aug. 31 | 202.1 | Mar. 27 | 169.5 | Oct. 27 | 141.6 |
| Jan. 28, 1959 | 241.0 | Sept. 30 | 200.6 | Apr. 24 | 168.6 | Nov. 30 | 140.1 |
| Feb. 28 | 239.4 | Oct. 31 | 199.5 | May 25 | 167.3 | Dec. 28 | 139.2 |
| Apr. 30 | 238.6 | Nov. 30 | 198.5 | June 23 | 166.3 | Feb. 27, 1967 | 137.9 |
| May 31 | 237.5 | Dec. 27 | 197.3 | July 22 | 165.1 | Mar. 29 | 137.6 |
| June 25 | 236.5 | Jan. 26, 1962 | 196.1 | Aug. 25 | 163.8 | Apr. 27 | 136.6 |
| July 24 | 235.4 | Feb. 23 | 195.3 | Sept. 28 | 162.8 | May 29 | 136.0 |
| Aug. 31 | 233.7 | Mar. 22 | 194.5 | Nov. 25 | 161.2 | June 28 | 135.2 |
| Sept. 30 | 232.7 | Apr. 20 | 193.6 | Dec. 29 | 160.2 | July 28 | 134.7 |
| Oct. 31 | 231.0 | May 28 | 192.1 | Jan. 27, 1965 | 159.4 | Aug. 29 | 134.2 |
| Nov. 20 | 229.8 | June 26 | 191.0 | Feb. 26 | 158.4 | Sept. 28 | 133.6 |
| Dec. 31 | 227.6 | July 25 | 189.7 | Mar. 29 | 157.6 | Oct. 30 | 132.9 |
| Jan. 31, 1960 | 227.0 | Aug. 30 | 188.7 | Apr. 27 | 156.6 | Nov. 28 | 132.3 |
| Feb. 29 | 225.9 | Sept. 19 | 188.1 | May 27 | 155.8 | Dec. 27 | 131.7 |
| Mar. 31 | 224.8 | | | | | | |

e Estimated.

Ingham County

City of Lansing

424542N0843345.1. Local number 4N 2W 4-cbbc. Formerly 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 at 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 dry, Feb. 27, 1963. Records available: 1953-63. Water levels affected by regional pumping. Measurement discontinued. Jan. 30, 1963, 35.46; Feb. 27, dry.

424502N0843313.1. Local number 4N 2W 9-bdad. Formerly 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, d'am 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. Highest water level 15.63 below lsd, Mar. 26, 1931; lowest 178.0 below lsd, Nov. 30, 1967. Records available: 1919, 1929-67. Water levels affected by regional pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 148.4 | 147.1 | 145.9 | 144.6 | 143.2 | 146.8 | 148.7 | ..... | 149.8 | 151.1 | 153.8 | 152.1 |
| 10 | 146.7 | 145.8 | 145.5 | 142.9 | 144.6 | 146.4 | 150.2 | ..... | 150.0 | 152.1 | 153.4 | 151.8 |
| 15 | 147.1 | 147.3 | 146.1 | 142.6 | 143.3 | 144.9 | 148.2 | ..... | 149.9 | 153.0 | 153.4 | 151.7 |
| 20 | 146.5 | 145.8 | 145.1 | 143.5 | 143.4 | 145.4 | 147.3 | 146.7 | 150.9 | 152.9 | 152.9 | ..... |
| 25 | 147.5 | 145.4 | 144.8 | 144.3 | 144.9 | 147.8 | 146.9 | 147.2 | 150.7 | 154.5 | 152.5 | ..... |
| Eom | 147.3 | 146.2 | 145.3 | 142.6 | 143.2 | 148.1 | ..... | 148.3 | 150.5 | 154.2 | 151.5 | 152.6 |
| 1964 | | | | | | | | | | | | |
| 5 | 152.1 | 154.4 | 155.2 | 153.7 | 155.1 | ..... | 156.8 | 159.3 | 160.3 | 159.3 | 159.2 | 159.6 |
| 10 | 154.0 | 153.4 | 154.9 | 154.9 | 154.2 | ..... | 157.7 | 159.1 | 160.8 | 159.4 | 158.7 | 159.7 |
| 15 | 154.1 | 153.1 | 154.2 | 154.9 | ..... | ..... | 156.9 | 159.6 | 160.6 | 159.8 | 159.2 | 160.0 |
| 20 | 154.2 | 153.9 | 155.2 | 154.5 | e156.1 | 157.3 | 157.9 | 159.4 | 159.7 | 159.7 | 158.7 | 159.6 |
| 25 | 153.4 | 153.3 | 154.8 | 154.9 | 156.4 | ..... | 159.2 | 159.6 | 160.5 | 158.2 | 158.9 | 158.4 |
| Eom | 154.9 | 154.0 | 155.4 | 154.6 | ..... | 157.8 | 160.0 | 159.2 | 159.7 | 158.2 | 159.4 | 160.0 |
| 1965 | | | | | | | | | | | | |
| 5 | 159.3 | 160.3 | e160.5 | 160.3 | 162.5 | 162.5 | ..... | 166.7 | 166.4 | 167.2 | 168.8 | 167.1 |
| 10 | 159.0 | 160.3 | ..... | 160.9 | 162.6 | 164.1 | 165.6 | 167.2 | 167.4 | 166.9 | 168.1 | 168.5 |
| 15 | 159.9 | 160.0 | ..... | 160.8 | 162.4 | 164.5 | 165.8 | 167.4 | 167.1 | 168.0 | 168.2 | 168.2 |
| 20 | 160.0 | 160.4 | ..... | 160.8 | 163.4 | 164.2 | 166.4 | 167.4 | 166.9 | 167.9 | 168.0 | 168.2 |
| 25 | 159.2 | 159.9 | ..... | 159.9 | 163.2 | 165.0 | 166.4 | 166.7 | 166.6 | 168.3 | 167.5 | 168.2 |
| Eom | 158.9 | 159.6 | 161.1 | 161.3 | 162.2 | 165.5 | 166.4 | 166.7 | 166.8 | 167.6 | 168.2 | 168.4 |
| 1966 | | | | | | | | | | | | |
| 5 | 169.0 | 170.6 | 170.4 | 171.3 | 172.7 | 173.5 | 174.6 | 175.3 | 175.1 | 176.7 | 177.3 | 177.3 |
| 10 | 169.3 | 169.8 | 171.3 | 170.7 | 173.1 | 173.6 | 174.8 | 174.8 | 175.7 | 176.2 | 177.4 | 177.6 |
| 15 | 169.5 | 170.5 | 171.2 | 172.2 | 172.0 | 173.8 | 175.4 | 174.5 | 175.8 | 176.7 | 177.7 | 177.8 |
| 20 | 169.8 | 170.1 | 170.2 | 172.1 | 173.0 | 174.2 | e175.2 | 175.6 | 176.3 | 177.1 | 176.4 | 177.3 |
| 25 | 169.9 | 170.6 | 170.7 | 172.5 | 173.4 | 174.3 | ..... | 174.6 | 175.7 | 177.3 | 175.8 | 175.9 |
| Eom | 170.0 | 170.0 | 171.4 | 172.6 | 173.6 | 174.5 | 175.5 | 175.9 | 175.8 | 176.8 | 177.3 | 176.4 |
| 1967 | | | | | | | | | | | | |
| 5 | 177.6 | 176.7 | 175.8 | 174.7 | 174.7 | 175.8 | 174.7 | 175.9 | 175.7 | 177.0 | 175.6 | 177.8 |
| 10 | 177.4 | 177.0 | 175.8 | 175.2 | 174.2 | 175.4 | 175.6 | 176.2 | 175.2 | 177.0 | 177.0 | 177.3 |
| 15 | 176.1 | 177.2 | 176.1 | 174.8 | 174.2 | 175.5 | 175.0 | 176.8 | ..... | 176.2 | 177.5 | 177.4 |
| 20 | 177.7 | 176.6 | 175.6 | 175.2 | 174.9 | 174.9 | 175.8 | 175.0 | ..... | 177.1 | 177.3 | 177.1 |
| 25 | 177.6 | 176.8 | 174.4 | 175.2 | 174.8 | 174.8 | 175.8 | 176.6 | ..... | 176.8 | 177.0 | 176.3 |
| Eom | e176.8 | 176.5 | 175.1 | 174.4 | 175.4 | 174.1 | 174.8 | 174.8 | ..... | 177.2 | 178.0 | 176.6 |

e Estimated.

City of Mason

423500N0842636.1. Local number 2N 1W 5-ddad. Formerly 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. Lsd about 890 ft above msl. MP top of casing, 3.90 ft above lsd. Highest water level 0.08 below lsd, June 29, 1949; lowest 10.67 below lsd, Aug. 1, 1964. Records available: 1948-67. Water levels affected by regional pumping. Measurements made by Water Dept.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 5, 1963 | 5.68 | June 1, 1963 | 4.64 | Oct. 26, 1963 | 7.52 | Apr. 4, 1964 | 6.18 |
| 12 | 5.99 | 8 | 5.01 | Nov. 2 | 7.59 | 11 | 7.85 |
| 19 | 6.36 | 15 | 4.92 | 9 | 6.76 | 18 | 6.89 |
| 26 | 5.87 | 22 | 4.77 | 16 | 8.06 | 25 | 7.29 |
| Feb. 2 | 4.27 | 29 | 8.95 | 18 | 6.75 | May 4 | 8.12 |
| 9 | 5.09 | July 6 | 5.72 | 26 | 7.35 | 11 | 8.26 |
| 16 | 5.40 | 13 | 9.00 | Dec. 2 | 6.79 | 18 | 8.14 |
| 23 | 3.81 | 20 | 9.44 | 9 | 6.56 | 25 | 7.98 |
| Mar. 2 | 3.63 | 27 | 9.68 | 16 | 6.40 | June 2 | 3.88 |
| 9 | 4.84 | Aug. 3 | 9.57 | 23 | 6.77 | 8 | 3.72 |
| 16 | 3.68 | 10 | 8.95 | 30 | 7.00 | 15 | 7.92 |
| 23 | 3.96 | 17 | 9.85 | Jan. 27, 1964 | 7.54 | 22 | 8.08 |
| 30 | 4.23 | 24 | 9.26 | Feb. 3 | 6.92 | 29 | 8.27 |
| Apr. 6 | 4.17 | 31 | 9.02 | 10 | 6.08 | July 7 | 8.87 |
| 13 | 4.40 | Sept. 7 | 8.38 | 17 | 5.55 | 13 | 8.89 |
| 20 | 4.73 | 14 | 6.58 | 24 | 6.96 | 20 | 9.15 |
| 27 | 3.43 | 21 | 7.45 | Mar. 2 | 6.86 | 27 | 9.02 |
| May 4 | 3.56 | 28 | 7.28 | 9 | 6.69 | Aug. 1 | 10.67 |
| 11 | 3.48 | Oct. 5 | 7.32 | 16 | 6.67 | 10 | 8.60 |
| 18 | 4.82 | 12 | 7.14 | 23 | 6.77 | 17 | 9.25 |
| 25 | 4.95 | 19 | 7.13 | 30 | 7.26 | 25 | 9.18 |

423500N0842636_1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| Sept. 5, 1964 | 9.78 | July 9, 1965 | 8.5 | May 9, 1966 | 3.1 | Mar. 6, 1967 | 2.2 |
| 11 | 10.44 | 16 | 8.7 | 16 | 3.2 | 13 | 2.3 |
| 19 | 9.26 | 23 | 9.6 | 23 | 3.4 | 20 | 2.2 |
| 26 | 7.87 | Aug. 2 | 9.8 | 30 | 3.6 | 27 | 2.2 |
| Oct. 3 | 8.18 | 9 | 9.4 | June 6 | 5.2 | Apr. 3 | 2.0 |
| 10 | 8.79 | 16 | 8.5 | 13 | 6.3 | 10 | 2.3 |
| 17 | 8.95 | 23 | 6.7 | 20 | 6.9 | 17 | 2.8 |
| 24 | 9.28 | 30 | 7.4 | 27 | 6.4 | 24 | 3.4 |
| 31 | 10.19 | Sept. 7 | 6.6 | July 4 | 6.6 | May 1 | 3.7 |
| Nov. 7 | 8.14 | 13 | 6.4 | 7 | 4.8 | 8 | 3.7 |
| 14 | 9.24 | 20 | 6.4 | 18 | 6.1 | 15 | 4.0 |
| 21 | 9.42 | 27 | 6.4 | 25 | 5.1 | 22 | 4.2 |
| 28 | 10.08 | Oct. 4 | 6.3 | Aug. 1 | 6.2 | 29 | 5.3 |
| Dec. 5 | 8.30 | 11 | 5.9 | 8 | 5.6 | June 5 | 6.3 |
| 12 | 8.99 | 18 | 5.0 | 15 | 5.1 | 12 | 6.2 |
| 19 | 7.19 | 25 | 5.0 | 22 | 4.6 | 19 | 6.0 |
| 28 | 6.79 | Nov. 1 | 5.7 | 29 | 5.1 | 26 | 6.0 |
| Jan. 4, 1965 | 6.69 | 8 | 6.2 | Sept. 5 | 6.7 | July 3 | 4.1 |
| 11 | 6.80 | 15 | 6.4 | 12 | 5.0 | 10 | 3.3 |
| 18 | 6.90 | 22 | 6.5 | 19 | 4.9 | 17 | 4.7 |
| 23 | 6.69 | 29 | 6.6 | 26 | 4.9 | 24 | 5.0 |
| 30 | 6.71 | Dec. 6 | 7.1 | Oct. 3 | 4.9 | 31 | 3.8 |
| Feb. 5 | 7.86 | 13 | 6.9 | 10 | 4.9 | Aug. 7 | 7.6 |
| 12 | 6.56 | 20 | 6.6 | 17 | 4.9 | 14 | 7.5 |
| 19 | 6.29 | 27 | 6.4 | 24 | 5.3 | 21 | 7.3 |
| 26 | 6.36 | Jan. 3, 1966 | 5.5 | 31 | 5.6 | 28 | 5.0 |
| Mar. 6 | 6.47 | 10 | 5.0 | Nov. 7 | 5.2 | Sept. 5 | 5.0 |
| 13 | 6.85 | 17 | 3.5 | 14 | 4.5 | 11 | 5.0 |
| 20 | 6.99 | 21 | 3.4 | 21 | 4.7 | 18 | 4.9 |
| 27 | 6.02 | 31 | 3.4 | 28 | 4.9 | 25 | 3.8 |
| Apr. 2 | 3.10 | Feb. 7 | 3.2 | Dec. 5 | 5.0 | Oct. 2 | 3.6 |
| 9 | 2.00 | 14 | 3.1 | 12 | 4.7 | 9 | 3.8 |
| 16 | 2.10 | 21 | 2.9 | 19 | 4.4 | 16 | 5.0 |
| 23 | 2.49 | 28 | 3.0 | 26 | 4.2 | 23 | 3.6 |
| 30 | 2.87 | Mar. 7 | 3.2 | Jan. 2, 1967 | 1.2 | 30 | 3.0 |
| May 7 | 3.60 | 14 | 3.3 | 9 | 1.2 | Nov. 6 | 1.8 |
| 14 | 6.3 | 21 | 3.5 | 16 | 1.3 | 13 | 2.4 |
| 21 | 6.4 | 28 | 3.7 | 23 | 1.4 | 20 | 2.0 |
| 28 | 6.4 | Apr. 4 | 2.9 | 30 | 1.3 | 27 | 1.6 |
| June 4 | 7.0 | 11 | 3.1 | Feb. 6 | 1.6 | Dec. 4 | 2.3 |
| 11 | 6.3 | 18 | 3.0 | 13 | 1.8 | 11 | 1.5 |
| 18 | 6.5 | 25 | 2.9 | 20 | 1.6 | 18 | 2.0 |
| 25 | 6.5 | May 2 | 3.0 | 27 | 1.5 | 26 | 2.3 |
| July 2 | 6.5 | | | | | | |

Lansing Township

424303N0842950_1. Local number 4N 2W 24-cabd. Formerly 4N 2W 24-1. Michigan State University. 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 93.6 below lsd, Aug. 17, 1967. Records available: 1945-67. Water levels affected by regional pumping. Publication discontinued in series of U.S. Geological Survey water-supply papers.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 73.5 | 78.6 | 68.6 | 76.5 | 68.5 | 82.3 | 81.6 | 76.7 | 68.7 | 80.0 | 82.0 | 78.6 |
| 10 | 75.6 | 78.0 | 69.1 | 73.7 | 76.3 | 80.6 | 81.6 | 79.6 | 73.3 | 81.6 | 79.7 | 79.4 |
| 15 | 76.2 | 75.7 | 73.7 | 70.6 | 72.3 | 76.3 | 79.7 | 77.7 | 74.3 | 81.8 | 81.1 | 79.4 |
| 20 | 77.8 | 74.1 | 65.8 | 70.4 | 68.6 | 78.3 | 74.4 | 78.2 | 76.4 | 82.6 | 80.7 | 69.7 |
| 25 | 78.9 | 73.3 | 61.5 | 72.4 | 74.7 | 77.0 | 78.6 | 76.5 | 77.3 | 84.4 | 76.2 | 66.7 |
| Eom | 79.0 | 73.5 | 68.3 | 69.0 | 76.9 | 82.7 | 81.7 | 74.2 | 79.5 | 82.8 | 77.3 | 66.1 |
| 1964 | | | | | | | | | | | | |
| 5 | 64.0 | 79.6 | 71.5 | 68.0 | 75.5 | 85.2 | 84.1 | 84.4 | 73.1 | 80.7 | 82.8 | 79.9 |
| 10 | 75.9 | 78.3 | 70.9 | 70.9 | 79.4 | 85.5 | 82.1 | 79.9 | 75.4 | 81.5 | 82.0 | 79.2 |
| 15 | 77.8 | 75.2 | 72.0 | 71.8 | 81.0 | 81.2 | 75.8 | 77.7 | 76.0 | 81.1 | 80.5 | 78.8 |
| 20 | 77.0 | 74.5 | 72.0 | 70.3 | 79.9 | 81.4 | 82.1 | 80.4 | 74.2 | 79.6 | 80.8 | 76.0 |
| 25 | 79.1 | 70.5 | 66.0 | 71.8 | 81.5 | 79.9 | 82.4 | 71.3 | 75.1 | 81.0 | 80.9 | 69.6 |
| Eom | 79.8 | 71.4 | 67.8 | 75.4 | 81.5 | 83.1 | 85.2 | 71.8 | 78.2 | 82.8 | 73.2 | 69.7 |
| 1965 | | | | | | | | | | | | |
| 5 | 75.6 | 80.1 | 79.2 | 75.4 | 81.0 | 82.3 | 86.1 | 87.5 | 77.5 | 76.1 | 78.1 | 77.8 |
| 10 | 77.1 | 81.5 | .... | 77.8 | 81.6 | 83.5 | 85.8 | 87.9 | 78.5 | 75.9 | 77.2 | 81.1 |
| 15 | 79.9 | 78.5 | .... | 76.8 | 85.3 | 82.4 | 89.6 | 89.0 | 77.4 | 77.5 | 77.2 | 80.0 |
| 20 | 79.7 | 80.0 | .... | 77.3 | 82.3 | 83.7 | 88.0 | 80.2 | 75.8 | 76.9 | 77.0 | 85.6 |
| 25 | 75.4 | 78.9 | .... | 77.0 | 82.3 | 80.9 | 90.3 | 83.1 | 75.9 | 77.3 | 77.2 | 77.6 |
| Eom | 74.0 | 79.5 | .... | 80.2 | 79.5 | 85.3 | 91.8 | 79.1 | 77.4 | 77.3 | 75.8 | 77.2 |

424303N0842950.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 76.9 | 79.8 | 78.2 | 77.5 | 82.5 | 88.4 | 88.8 | 90.0 | 82.3 | 81.6 | 89.0 | 80.8 |
| 10 | 77.1 | 81.6 | 77.5 | 81.5 | 81.9 | 91.9 | 89.9 | 88.8 | 82.1 | 81.8 | 90.5 | 87.9 |
| 15 | 77.0 | 77.8 | 77.8 | 82.5 | 84.0 | 87.3 | 89.0 | 85.8 | 82.1 | 82.7 | 89.8 | 86.1 |
| 20 | 77.6 | 77.1 | 77.2 | 82.9 | 85.8 | 87.7 | 91.0 | 85.5 | 79.7 | 81.0 | 89.0 | 81.5 |
| 25 | 77.1 | 77.5 | 76.3 | 83.6 | 86.2 | 93.0 | 93.1 | 84.4 | 80.0 | 90.3 | 84.3 | 78.1 |
| Eom | 76.2 | 76.8 | 75.8 | 84.0 | 86.6 | 93.5 | 90.3 | 85.8 | 83.1 | 87.6 | 86.2 | 79.9 |
| 1967 | | | | | | | | | | | | |
| 5 | 79.6 | 83.8 | 77.1 | 85.7 | 89.3 | 93.9 | 84.6 | 95.0 | 88.5 | 93.5 | 93.9 | 86.8 |
| 10 | 84.8 | 85.9 | 83.6 | 86.9 | 88.2 | 92.4 | .... | 92.2 | 91.1 | 93.9 | 90.8 | 86.5 |
| 15 | 86.9 | 85.7 | 85.4 | 89.3 | 84.8 | 86.7 | .... | 94.1 | 90.8 | 93.1 | 90.7 | 80.7 |
| 20 | 86.6 | 84.7 | 84.8 | 89.6 | 90.4 | 90.4 | .... | 94.1 | 93.6 | 92.2 | 89.9 | 79.8 |
| 25 | 86.5 | 78.4 | 83.9 | 88.2 | 90.0 | 87.0 | .... | 88.6 | 93.1 | 88.9 | 82.2 | 76.4 |
| Eom | 85.7 | 77.6 | 85.0 | 89.0 | 86.9 | 84.1 | .... | 89.4 | 91.1 | 93.9 | 86.8 | 77.5 |

424111N0843607.1. Local number 4N 2W 31-ccbc. Formerly 4N 2W 31-1. Carlos A. Weber. 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 27.57 below lsd, Jan. 27, 1965. Records available: 1944-67. Water levels affected by regional pumping. Publication discontinued in series of U.S. Geological Survey water-supply papers.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 30, 1963 | 25.94 | May 27, 1964 | 26.85 | Aug. 27, 1965 | 26.98 | Oct. 31, 1966 | 26.01 |
| Feb. 27 | 26.09 | June 29 | 27.03 | Sept. 27 | 27.18 | Nov. 30 | 26.22 |
| Mar. 27 | 25.78 | July 29 | 27.23 | Oct. 28 | 27.12 | Dec. 28 | 25.51 |
| Apr. 29 | 25.82 | Aug. 25 | 27.06 | Nov. 29 | 27.18 | Feb. 1, 1967 | 25.64 |
| May 28 | 25.56 | Sept. 28 | 27.34 | Dec. 27 | 26.72 | | 25.13 |
| June 25 | 26.82 | Oct. 29 | 27.45 | Jan. 13, 1966 | 26.14 | Mar. 29 | 24.50 |
| July 29 | 26.07 | Nov. 25 | 27.30 | | 26.38 | Apr. 28 | 24.17 |
| Aug. 26 | 26.20 | Dec. 29 | 27.43 | Feb. 28 | 25.98 | May 29 | 24.57 |
| Sept. 27 | 26.26 | Jan. 27, 1965 | 27.57 | Mar. 29 | 25.50 | June 28 | 24.52 |
| Oct. 28 | 26.51 | Feb. 26 | 27.27 | Apr. 28 | 25.30 | July 31 | 24.87 |
| Nov. 29 | 26.54 | Mar. 29 | 26.92 | May 27 | 25.29 | Aug. 31 | 25.30 |
| Dec. 30 | 26.91 | Apr. 27 | 26.37 | June 28 | 25.29 | Sept. 28 | 25.53 |
| Jan. 29, 1964 | 27.05 | May 27 | 26.35 | July 28 | 25.49 | Oct. 30 | 25.62 |
| Feb. 27 | 27.04 | June 28 | 26.79 | Aug. 29 | 25.75 | Nov. 28 | 25.42 |
| Mar. 27 | 27.24 | July 29 | 27.19 | Sept. 29 | 25.69 | Dec. 27 | 24.83 |
| Apr. 28 | 26.88 | | | | | | |

Iron County

Stambaugh Township

460455N0884129.1. Local number 43N 35W 33-bdad. Formerly 43N 35W 33-1. (W.M.P. No. 34). State Highway Dept. Driven unused water-table well in sand and gravel of Pleistocene age, diam 1½ in, depth 12 ft, screened 9-12. Lsd about 1,520 ft above msl. MP top of casing, 2.05 ft above lsd. Highest water level 1.93 below lsd, July 6, 1953; lowest 8.44 below lsd, Mar. 15, 1949. Records available: 1948-67. Measurement made by Wisconsin-Michigan Power Co.

| | | | | | | | |
|---------------|------|---------------|------|---------------|------|--------------|------|
| Jan. 30, 1956 | 5.76 | Oct. 30, 1958 | 6.41 | Aug. 31, 1961 | 4.79 | June 2, 1964 | 6.06 |
| Feb. 28 | 6.01 | Dec. 1 | 6.58 | Oct. 2 | 5.17 | July 2 | 6.24 |
| Mar. 29 | 6.18 | Jan. 30, 1959 | 6.82 | Oct. 31 | 5.39 | Aug. 30 | 6.65 |
| Apr. 30 | 5.07 | Feb. 26 | 7.06 | Nov. 29 | 5.48 | Aug. 31 | 6.75 |
| May 31 | 4.62 | Mar. 31 | 7.21 | Dec. 28 | 5.69 | Oct. 2 | 6.86 |
| July 3 | 4.39 | Apr. 30 | 7.27 | Jan. 30, 1962 | 5.91 | Oct. 30 | 6.94 |
| Aug. 1 | 3.70 | June 1 | 6.57 | Mar. 1 | 5.65 | Nov. 30 | 7.04 |
| Sept. 1 | 3.86 | July 1 | 6.01 | | 6.07 | Dec. 29 | 7.21 |
| Oct. 1 | 4.15 | Aug. 31 | 6.14 | Apr. 30 | 4.66 | Feb. 2, 1965 | 7.46 |
| Nov. 1 | 4.59 | Sept. 30 | 6.48 | May 31 | 3.43 | Mar. 2 | 7.65 |
| 30 | 4.75 | Oct. 31 | 6.29 | July 2 | 3.63 | Apr. 2 | 6.93 |
| Jan. 4, 1957 | 5.14 | Nov. 2 | 4.80 | Aug. 31 | 4.03 | June 29 | 6.04 |
| 31 | 5.43 | Dec. 30 | 4.00 | Sept. 30 | 4.61 | July 1 | 3.42 |
| Feb. 28 | 5.71 | Jan. 30 | 3.90 | Oct. 1 | 4.80 | July 1 | 3.59 |
| Mar. 28 | 5.59 | Feb. 30 | 4.23 | Nov. 31 | 5.05 | Aug. 30 | 4.23 |
| May 1 | 4.80 | Mar. 2, 1960 | 4.58 | Dec. 29 | 5.31 | Sept. 1 | 4.71 |
| 30 | 4.81 | Apr. 30 | 5.16 | Jan. 28 | 5.23 | Oct. 30 | 4.82 |
| July 1 | 4.85 | May 3 | 2.97 | Feb. 27 | 5.96 | Nov. 1 | 5.25 |
| Aug. 1 | 5.27 | June 30 | 3.65 | Mar. 27 | 6.23 | Dec. 29 | 5.25 |
| 30 | 5.62 | July 2 | 2.07 | Apr. 1 | 6.15 | Jan. 29 | 5.28 |
| Sept. 30 | 5.80 | Aug. 2 | 3.00 | May 2 | 5.87 | Feb. 1, 1966 | 5.55 |
| Oct. 31 | 6.08 | Sept. 1 | 3.40 | June 1 | 2.67 | Mar. 28 | 5.69 |
| Dec. 2 | 6.16 | Oct. 29 | 3.80 | July 1 | 3.81 | Apr. 5 | 4.65 |
| Jan. 2, 1958 | 6.38 | Nov. 2 | 4.23 | Aug. 1 | 5.73 | May 3 | 3.46 |
| 31 | 6.59 | Dec. 2 | 4.05 | Sept. 30 | 6.07 | June 1 | 3.46 |
| Feb. 27 | 6.76 | Jan. 29 | 4.67 | Oct. 2 | 6.43 | July 1 | 3.87 |
| Apr. 1 | 6.85 | Feb. 31, 1961 | 5.09 | Nov. 30 | 6.67 | Aug. 3 | 4.57 |
| 30 | 6.02 | Mar. 2 | 5.38 | Dec. 2 | 6.89 | Sept. 1 | 4.48 |
| May 31 | 5.76 | Apr. 30 | 5.36 | Jan. 3, 1964 | 7.13 | Oct. 3 | 4.93 |
| June 30 | 5.80 | May 2 | 4.55 | Feb. 28 | 7.34 | Nov. 1 | 5.01 |
| Aug. 1 | 5.53 | June 1 | 3.61 | Mar. 31 | 7.54 | Dec. 2 | 5.11 |
| Sept. 2 | 5.93 | July 29 | 3.86 | Apr. 30 | 7.70 | Jan. 3, 1967 | 5.35 |
| Oct. 1 | 6.19 | Aug. 31 | 4.32 | | 7.12 | Feb. 1 | 5.55 |

460455N0884129.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|
| Mar. 1, 1967 | 5.74 | June 1, 1967 | 2.94 | Sept. 1, 1967 | 3.46 | Nov. 1, 1967 | 3.53 |
| Apr. 1 | 5.03 | July 3 | 2.29 | Oct. 3 | 3.91 | Dec. 2 | 3.94 |
| May 2 | 3.16 | Aug. 1 | 2.95 | | | | |

Kalamazoo County

City of Kalamazoo

421641N0853506.1. Local number 2S 11W 22-cdbb. Formerly 2S 11W 22-150. City of Kalamazoo, Stock-bridge Ave. Drilled unused water-table well in deposits of Pleistocene age, diam 4 in, depth 137 ft, screened 134-137. Lsd 764.7 ft above msl. MP top of casing, 2.00 ft above msl. Highest water level 6.72 below lsd, May 22, 1967; lowest 31.08 below lsd, Aug. 19, 1961. Records available: 1960-67. Water levels affected by nearby pumping.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 5 | | | | | | | | | 25.35 | 24.05 | 23.19 | 22.52 |
| 10 | | | | | | | | | 25.74 | 23.30 | 22.63 | 22.65 |
| 15 | | | | | | | | | 26.06 | 23.02 | 22.75 | 22.56 |
| 20 | | | | | | | | | 26.10 | 23.01 | 22.39 | 22.57 |
| 25 | | | | | | | | | 26.38 | 23.11 | 22.76 | 22.60 |
| Eom | | | | | | | | e25.65 | 26.50 | 23.16 | 22.79 | 22.82 |

1961

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 22.78 | 24.06 | 23.85 | 24.88 | 23.65 | 25.52 | 27.40 | 30.56 | 29.35 | 26.57 | 23.94 | 21.86 |
| 10 | 22.94 | 24.40 | 23.83 | 23.58 | 23.48 | 26.42 | 28.35 | 30.70 | 29.40 | 26.40 | 23.56 | 21.70 |
| 15 | 23.62 | 24.01 | 23.46 | 24.82 | 24.76 | 26.40 | 29.03 | 30.03 | 29.45 | 25.79 | 23.20 | 21.38 |
| 20 | 23.83 | 23.91 | 24.46 | 23.48 | 24.10 | 26.25 | 29.79 | 30.82 | 28.52 | 25.40 | 22.64 | 21.12 |
| 25 | 24.57 | 21.72 | 23.67 | 23.60 | 25.53 | 25.47 | 29.77 | 29.55 | 27.95 | 24.70 | 22.16 | 20.37 |
| Eom | 24.61 | 21.58 | 25.06 | 23.31 | 24.71 | 27.91 | 29.83 | 30.58 | 27.10 | 24.11 | 22.25 | 20.42 |

1962

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 20.23 | 19.62 | 19.04 | 18.68 | 18.91 | 19.55 | 21.55 | 20.72 | 21.74 | 20.20 | 18.99 | 17.48 |
| 10 | 20.18 | 20.01 | 19.44 | 17.88 | 18.71 | 19.99 | 22.42 | 21.20 | 21.00 | 19.87 | 18.95 | 17.36 |
| 15 | 20.10 | 19.77 | 19.15 | 17.79 | 19.27 | 20.07 | 21.10 | 20.85 | 21.37 | 19.94 | 18.65 | 17.57 |
| 20 | 20.25 | 19.39 | 18.29 | 17.93 | 20.35 | 20.85 | 21.45 | 21.15 | 20.68 | 20.13 | 18.48 | 17.84 |
| 25 | 20.01 | 19.54 | 18.26 | 17.83 | 20.46 | 20.97 | 20.99 | 22.76 | 20.38 | 19.41 | 17.77 | 18.19 |
| Eom | 20.15 | 19.70 | 20.37 | 18.81 | 20.06 | 22.77 | 20.30 | 22.75 | 20.17 | 19.18 | 17.93 | 17.90 |

1963

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 17.95 | 18.90 | 18.37 | 18.17 | 19.23 | 19.40 | 22.22 | 22.72 | 21.79 | 21.53 | 21.70 | 19.81 |
| 10 | 17.94 | 18.94 | 18.55 | 18.79 | 19.40 | 20.03 | 22.70 | 23.03 | 21.70 | 21.65 | 21.44 | 19.10 |
| 15 | 18.05 | 18.89 | 18.49 | ..... | 19.16 | 19.95 | 22.45 | 22.40 | 21.51 | 21.79 | 21.02 | 19.31 |
| 20 | 18.32 | 18.69 | 18.36 | ..... | 18.91 | 19.84 | 23.25 | 21.73 | 21.62 | 21.23 | 20.25 | 18.50 |
| 25 | 18.55 | 18.61 | 18.28 | ..... | 18.90 | 20.05 | 23.34 | 22.20 | 21.44 | 21.60 | 19.95 | 18.00 |
| Eom | 18.86 | 18.45 | 18.40 | ..... | 18.75 | 21.58 | 23.53 | 22.30 | 21.60 | 21.79 | 19.62 | 17.75 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | 19.08 | 19.45 | 18.00 | 17.36 | 18.35 | 21.44 | 22.94 | 22.58 | 21.05 | 20.45 | 19.60 |
| 10 | ..... | 19.17 | 18.90 | 18.55 | 17.85 | 18.87 | 21.25 | 23.45 | 22.30 | 20.89 | 20.12 | 19.70 |
| 15 | 18.96 | 19.19 | 18.79 | 18.60 | 17.92 | 19.35 | 20.75 | 23.41 | 22.09 | 18.32 | 20.30 | 19.34 |
| 20 | 19.14 | 19.27 | 18.83 | 18.15 | 17.93 | 19.64 | 21.12 | 22.83 | 22.16 | 17.83 | 19.82 | 19.48 |
| 25 | 19.20 | 19.31 | 18.84 | 17.81 | 18.27 | 19.97 | 21.80 | 22.38 | ..... | 20.35 | ..... | 19.31 |
| Eom | 19.09 | 19.40 | 18.47 | 17.05 | 18.19 | 20.75 | 22.40 | 22.45 | 21.75 | 20.56 | ..... | 18.40 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 18.62 | 18.33 | 18.20 | 17.58 | 16.93 | 17.90 | 20.58 | 21.83 | 21.41 | 20.50 | 19.25 | 15.80 |
| 10 | 18.79 | 18.35 | 17.90 | 17.51 | 17.65 | 18.50 | 20.75 | 21.96 | 21.10 | 20.50 | 18.98 | 16.17 |
| 15 | 18.59 | 18.53 | 17.86 | 17.39 | 18.47 | 19.03 | 21.16 | 22.13 | 20.73 | 20.02 | 17.72 | 15.62 |
| 20 | 18.64 | 18.50 | 17.82 | 16.75 | 18.71 | 19.25 | 21.49 | 22.25 | 20.97 | 20.10 | 17.36 | 15.31 |
| 25 | 18.72 | 18.43 | 17.73 | 16.90 | 18.84 | 19.72 | 22.12 | 22.02 | 21.17 | 20.10 | 17.55 | 15.30 |
| Eom | 18.47 | 18.26 | 17.59 | 16.74 | 18.00 | 20.25 | 22.63 | 21.65 | 20.40 | 19.51 | 15.94 | 15.66 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.87 | 14.33 | 14.18 | 14.87 | 13.69 | 13.94 | 15.27 | 18.08 | 17.48 | 16.75 | 16.47 | 14.69 |
| 10 | 14.96 | 14.13 | 14.24 | 14.84 | 14.02 | 14.24 | 15.54 | 18.14 | 17.24 | 16.97 | 16.18 | 14.78 |
| 15 | 14.84 | 13.66 | 14.46 | 14.54 | 14.12 | 14.40 | 15.77 | 17.70 | 17.50 | 17.16 | 15.66 | 13.83 |
| 20 | 14.70 | 13.69 | 14.62 | 14.48 | 13.89 | 14.52 | 16.24 | 17.68 | 17.62 | 16.94 | 15.77 | 13.83 |
| 25 | 14.58 | 13.94 | 14.70 | 14.45 | 13.75 | 14.75 | 17.27 | 17.17 | 17.73 | 16.44 | 14.96 | 13.66 |
| Eom | 14.44 | 14.05 | 14.80 | 14.27 | 13.78 | 15.01 | 17.94 | 17.30 | 17.26 | 16.52 | 14.48 | 13.64 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | 11.90 | 11.34 | 10.12 | 11.39 | 10.95 | ..... | 14.95 | 14.42 | 14.92 | 12.64 | 11.31 |
| 10 | ..... | 11.91 | 11.18 | 9.63 | ..... | 11.65 | ..... | 15.25 | 14.92 | 14.65 | 12.22 | 11.43 |
| 15 | ..... | 11.68 | 10.94 | 9.79 | ..... | ..... | ..... | 15.40 | 15.15 | 14.56 | 12.21 | 11.22 |
| 20 | 12.18 | 11.57 | 10.71 | 10.15 | 9.31 | ..... | 12.83 | 15.63 | 15.85 | 13.95 | 12.21 | 10.98 |
| 25 | 12.32 | 11.67 | 10.68 | 8.50 | 9.78 | ..... | ..... | 15.95 | 15.10 | 13.28 | 11.05 | 9.71 |
| Eom | 12.18 | 11.32 | 10.12 | ..... | 9.23 | ..... | ..... | 15.64 | 14.94 | 13.16 | 10.99 | 9.88 |

e Estimated.

421617N0853424.1. Local number 2S 11W 27-aacd. Formerly 2S 11W 27-52. Allied 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 64.37 (corrected) below lsd, Sept. 1, 1946. Records available: 1946-63. Water levels affected by regional pumping. Measurement discontinued. Jan. 10, 1963, 43.90; Feb. 6, 44.04; Mar. 6, 44.94; Apr. 4, 43.05.

Kalamazoo Township

421644N0853702.1. Local number 2S 11W 20-dbod. Formerly 2S 11W 20-7. Western Michigan University. 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: 1946-65. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 10, 1963 | 36.76 | Aug. 23, 1963 | 36.79 | Apr. 14, 1964 | 37.10 | Dec. 29, 1964 | 37.54 |
| Feb. 6 | 36.87 | Sept. 23 | 36.99 | May 15 | 36.97 | Jan. 29, 1965 | 37.51 |
| Mar. 6 | 36.88 | Oct. 18 | 37.11 | June 11 | 37.20 | Feb. 23 | 36.94 |
| Apr. 4 | 36.16 | Nov. 18 | 37.26 | July 10 | 37.41 | Mar. 26 | 36.43 |
| May 2 | 36.19 | Dec. 13 | 37.26 | Aug. 7 | 37.59 | Apr. 26 | 36.01 |
| 31 | 36.35 | Jan. 13, 1964 | 37.38 | Sept. 4 | 37.56 | May 25 | 36.46 |
| June 27 | 36.54 | Feb. 11 | 37.50 | Oct. 29 | 37.58 | June 23 | 36.35 |
| July 26 | 36.70 | Mar. 11 | 37.51 | Dec. 2 | 37.52 | July 22 | 36.62 |

Schoolcraft Township

420624N0853624.1. Local number 4S 11W 21-cbbb-1. Formerly 4S 11W 21-2. Willis Chamberlain. Sixteenth St., Schoolcraft. Driven unused water-table well in sand of Pleistocene age, diam 1½ in, depth 19 ft. Lsd about 863 ft above msl. MP top of pipe, 1.5 ft above lsd. Highest water level 10.8 below lsd, July 13, 20, 27, 1960; lowest 16.1 below lsd, Dec. 23, 30, 1964, Jan. 6, 13, 20, Feb. 24, 1965. Records available: 1957-66. Measurement discontinued; replaced by well 4S 11W 21-cbbb-2.

| | | | | | | | |
|--------------|------|--------------|------|--------------|------|--------------|------|
| Nov. 7, 1957 | 14.5 | Jan. 4, 1959 | 14.9 | Mar. 2, 1960 | 13.2 | May 31, 1961 | 12.6 |
| 14 | 14.6 | 12 | 14.9 | 9 | 13.1 | June 7 | 12.5 |
| 21 | 14.5 | 19 | 15.0 | 16 | 13.0 | 14 | 12.6 |
| 29 | 14.3 | 25 | 15.1 | 23 | 12.3 | 21 | 12.7 |
| Dec. 6 | 14.2 | Feb. 2 | 15.1 | 30 | 11.9 | 28 | 12.7 |
| 14 | 14.1 | 8 | 15.1 | Apr. 6 | 11.6 | July 5 | 12.8 |
| 21 | 14.1 | 17 | 14.8 | 13 | 11.5 | 12 | 12.9 |
| 28 | 14.1 | 22 | 14.8 | 20 | 11.4 | 19 | 13.0 |
| Jan. 4, 1958 | 14.0 | Mar. 2 | 14.9 | 27 | 11.4 | 26 | 13.0 |
| 11 | 14.0 | 10 | 14.0 | June 1 | 11.0 | Aug. 2 | 13.1 |
| 18 | 14.0 | 16 | 13.7 | 8 | 10.9 | 9 | 13.1 |
| 26 | 13.8 | 23 | 13.7 | 15 | 10.9 | 16 | 13.2 |
| Feb. 2 | 13.8 | Apr. 1 | 13.6 | 22 | 10.9 | 23 | 13.3 |
| 8 | 13.8 | 8 | 13.6 | 29 | 11.0 | 30 | 13.4 |
| 15 | 13.8 | 15 | 13.5 | July 6 | 11.0 | Sept. 6 | 13.4 |
| 23 | 13.9 | 22 | 13.5 | 13 | 10.8 | 13 | 13.5 |
| Mar. 1 | 13.8 | 29 | 13.4 | 20 | 10.8 | 20 | 13.5 |
| 8 | 13.7 | May 6 | 13.4 | 27 | 10.8 | 27 | 13.5 |
| 15 | 13.6 | 13 | 13.4 | Aug. 3 | 11.1 | Oct. 4 | 13.6 |
| 22 | 13.4 | 20 | 13.3 | 10 | 11.2 | 11 | 13.6 |
| 31 | 13.3 | 27 | 12.5 | 17 | 11.2 | 18 | 13.7 |
| Apr. 7 | 13.3 | June 3 | 12.5 | 24 | 11.2 | 25 | 13.7 |
| 14 | 13.2 | 10 | 12.5 | 31 | 11.4 | Nov. 1 | 13.8 |
| 19 | 13.2 | 17 | 12.6 | Sept. 7 | 11.0 | 8 | 13.8 |
| 28 | 13.2 | 24 | 12.3 | 13 | 10.9 | 15 | 13.9 |
| May 5 | 13.3 | July 1 | 13.4 | 20 | 11.5 | 22 | 13.9 |
| 12 | 13.3 | 8 | 13.4 | 27 | 11.6 | 29 | 14.0 |
| 20 | 13.4 | 15 | 13.5 | Oct. 5 | 12.3 | Dec. 6 | 14.0 |
| 26 | 13.4 | 22 | 13.5 | 12 | 12.1 | 13 | 13.8 |
| June 2 | 13.4 | 29 | 13.3 | 19 | 12.2 | 20 | 14.1 |
| 9 | 13.5 | Aug. 5 | 13.1 | 26 | 12.2 | 27 | 14.1 |
| 17 | 13.5 | 12 | 13.1 | Nov. 2 | 12.3 | Jan. 3, 1962 | 14.6 |
| 23 | 13.6 | 19 | 13.3 | 9 | 12.3 | 10 | 14.8 |
| 30 | 13.6 | 26 | 13.4 | 16 | 12.4 | 17 | 14.9 |
| July 7 | 13.7 | Sept. 2 | 13.6 | 25 | 12.5 | 24 | 15.1 |
| 14 | 13.7 | 9 | 13.7 | Dec. 7 | 12.5 | 31 | 15.1 |
| 21 | 13.7 | 16 | 13.8 | 14 | 12.5 | Feb. 7 | 15.2 |
| 28 | 13.7 | 23 | 13.8 | 21 | 12.7 | 14 | 15.2 |
| Aug. 4 | 13.8 | 30 | 13.8 | 28 | 12.8 | 21 | 15.2 |
| 12 | 13.8 | Oct. 7 | 13.9 | Jan. 4, 1961 | 12.9 | 28 | 15.1 |
| 18 | 13.9 | 14 | 14.0 | 11 | 13.0 | Mar. 7 | 15.2 |
| 25 | 13.9 | 21 | 14.0 | 18 | 13.0 | 14 | 15.1 |
| Sept. 1 | 14.0 | 28 | 14.0 | 25 | 13.1 | 21 | 14.9 |
| 8 | 14.0 | Nov. 4 | 14.0 | Feb. 1 | 13.2 | 28 | 14.5 |
| 15 | 14.0 | 11 | 14.1 | 8 | 13.2 | Apr. 4 | 12.7 |
| 22 | 14.1 | 18 | 14.1 | 15 | 13.3 | 11 | 12.7 |
| 29 | 14.2 | 25 | 14.1 | 22 | 13.3 | 18 | 12.6 |
| Oct. 6 | 14.2 | Dec. 2 | 14.1 | Mar. 1 | 13.3 | 25 | 12.6 |
| 13 | 14.3 | 9 | 14.0 | 8 | 13.7 | May 2 | 12.6 |
| 20 | 14.3 | 16 | 14.0 | 15 | 13.6 | 9 | 12.7 |
| 28 | 14.3 | 23 | 14.1 | 22 | 13.5 | 16 | 12.7 |
| Nov. 3 | 14.3 | 30 | 14.1 | 29 | 13.4 | 23 | 12.7 |
| 10 | 14.5 | Jan. 6, 1960 | 14.0 | Apr. 5 | 13.4 | 30 | 12.7 |
| 17 | 14.6 | 13 | 13.5 | 12 | 13.6 | June 6 | 12.8 |
| 24 | 14.6 | 20 | 13.4 | 19 | 13.6 | 13 | 12.8 |
| Dec. 1 | 14.6 | 27 | 13.4 | 26 | 13.5 | 20 | 12.8 |
| 8 | 14.7 | Feb. 2 | 12.7 | May 3 | 13.0 | 27 | 13.0 |
| 15 | 14.8 | 10 | 12.6 | 10 | 12.8 | July 4 | 13.0 |
| 21 | 14.6 | 17 | 12.5 | 17 | 12.7 | 11 | 13.1 |
| 29 | 14.9 | 24 | 12.4 | 24 | 12.0 | 18 | 13.1 |

420624N0853624.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| July 25, 1962 | 13.2 | July 24, 1963 | 14.0 | Aug. 19, 1964 | 15.4 | Aug. 18, 1965 | 13.9 |
| Aug. 1 | 13.2 | | 14.0 | | 26 | | 29 |
| 8 | 13.3 | Aug. 7 | 14.0 | Sept. 1 | 15.5 | Sept. 1 | 14.0 |
| 15 | 13.4 | | 14.1 | | 8 | | 8 |
| 22 | 13.4 | 21 | 14.2 | 15 | 15.5 | 15 | 14.2 |
| 29 | 13.5 | 28 | 14.2 | 22 | 15.6 | 22 | 14.3 |
| Sept. 5 | 13.6 | Sept. 4 | 14.2 | 29 | 15.6 | 29 | 14.1 |
| 12 | 13.5 | 11 | 14.3 | Oct. 7 | 15.6 | Oct. 6 | 14.3 |
| 19 | 13.6 | 18 | 14.4 | 14 | 15.7 | 13 | 14.3 |
| 26 | 13.7 | 25 | 14.4 | 21 | 15.7 | 20 | 14.3 |
| Oct. 3 | 13.7 | Oct. 2 | 14.5 | 28 | 15.8 | 27 | 13.9 |
| 10 | 13.7 | 9 | 14.6 | Nov. 4 | 15.8 | Nov. 3 | 14.1 |
| 17 | 13.8 | 16 | 14.7 | 11 | 15.9 | 10 | 14.4 |
| 24 | 14.0 | 23 | 14.7 | 18 | 15.9 | 17 | 14.4 |
| 31 | 14.0 | 30 | 14.7 | 25 | 15.9 | 24 | 14.2 |
| Nov. 7 | 14.0 | Nov. 6 | 14.8 | Dec. 2 | 16.0 | Dec. 1 | 14.2 |
| 14 | 14.1 | 13 | 14.9 | 9 | 16.0 | 8 | 14.4 |
| 21 | 14.2 | 20 | 15.0 | 16 | 16.0 | 15 | 14.4 |
| 28 | 14.2 | 27 | 15.0 | 23 | 16.1 | 22 | 12.9 |
| Dec. 5 | 14.3 | Dec. 4 | 15.1 | 30 | 16.1 | 29 | 12.9 |
| 12 | 14.3 | 11 | 15.1 | Jan. 6, 1965 | 16.1 | Jan. 5, 1965 | 13.4 |
| 19 | 14.4 | 18 | 15.2 | 13 | 16.1 | 12 | 13.1 |
| 26 | 14.5 | 25 | 15.2 | 20 | 16.1 | 19 | 13.0 |
| Jan. 2, 1963 | 14.5 | Jan. 1, 1964 | 15.2 | 27 | 16.0 | 29 | 13.0 |
| 9 | 14.5 | 8 | 15.3 | Feb. 3 | 15.7 | Feb. 6 | 13.0 |
| 16 | 14.6 | 15 | 15.3 | 10 | 15.4 | 12 | 12.9 |
| 23 | 14.6 | 22 | 15.3 | 17 | 15.4 | 20 | 12.9 |
| 30 | 14.7 | 29 | 15.4 | 24 | 16.1 | 27 | 12.8 |
| Feb. 6 | 14.8 | Feb. 5 | 15.4 | Mar. 3 | 16.0 | Mar. 6 | 12.9 |
| 13 | 14.8 | 12 | 15.4 | 10 | 16.0 | 14 | 12.8 |
| 20 | 14.8 | 19 | 15.5 | 17 | 15.8 | 21 | 12.8 |
| 27 | 14.9 | 26 | 15.5 | 24 | 14.7 | 27 | 12.5 |
| Mar. 6 | 14.9 | Mar. 4 | 15.6 | 31 | 14.6 | Apr. 3 | 12.5 |
| 13 | 14.9 | 11 | 15.6 | Apr. 7 | 14.4 | 10 | 12.5 |
| 20 | 14.0 | 18 | 15.6 | 14 | 14.2 | 17 | 12.5 |
| 27 | 13.8 | 25 | 15.6 | 21 | 14.0 | 24 | 12.5 |
| Apr. 3 | 13.6 | Apr. 1 | 15.6 | 28 | 13.9 | May 1 | 12.3 |
| 10 | 13.6 | 8 | 15.6 | May 5 | 13.8 | 8 | 12.2 |
| 17 | 13.5 | 15 | 15.5 | 12 | 13.6 | 15 | 12.2 |
| 24 | 13.6 | 22 | 15.3 | 19 | 13.6 | 22 | 12.0 |
| May 1 | 13.6 | 29 | 15.3 | 26 | 13.5 | 29 | 12.0 |
| 8 | 13.6 | May 6 | 15.2 | June 3 | 13.5 | June 5 | 12.1 |
| 15 | 13.6 | 13 | 15.2 | 9 | 13.5 | 12 | 11.7 |
| 22 | 13.7 | 20 | 15.2 | 16 | 13.8 | 19 | 11.7 |
| 29 | 13.7 | 27 | 15.1 | 23 | 13.6 | 27 | 11.8 |
| June 5 | 13.7 | June 3 | 15.1 | 30 | 13.6 | July 3 | 11.6 |
| 12 | 13.8 | 10 | 15.1 | July 7 | 13.7 | 10 | 11.6 |
| 19 | 13.8 | 17 | 15.1 | 14 | 13.8 | 17 | 11.7 |
| 26 | 13.8 | 24 | 15.1 | 21 | 13.8 | Dec. 5 | 13.3 |
| July 3 | 13.9 | July 28 | 14.9 | 28 | 13.8 | 12 | 13.1 |
| 10 | 14.0 | Aug. 5 | 15.1 | Aug. 4 | 13.9 | 20 | 13.0 |
| 17 | 13.9 | 12 | 15.2 | 11 | 13.9 | | |

420624N0853624.1. Local number 4S 11W 21-cbbb-2. Formerly 4S 11W 21-5. Willis Chamberlain. Sixteenth St., Schoolcraft. Driven unused water-table well in sand of Pleistocene age, diam 1½ in, depth 21 ft. Lsd about 863 ft above msl. MP top of pipe, 2.8 ft above lsd. Highest water level 10.6 below lsd, May 1, 1967; lowest 13.3 below lsd, Dec. 5, 1966. Records available: 1966-67. Replaces well 4S 11W 21-cbbb-1.

| | | | | | | | |
|---------------|------|--------------|------|---------------|------|--------------|------|
| Nov. 17, 1966 | 13.2 | Mar. 5, 1967 | 12.8 | June 18, 1967 | 11.3 | Oct. 1, 1967 | 12.9 |
| 26 | 12.3 | 12 | 12.8 | 25 | 11.4 | 8 | 13.0 |
| Dec. 5 | 13.3 | 19 | 12.6 | July 2 | 11.6 | 15 | 13.1 |
| 12 | 13.0 | 26 | 12.0 | 9 | 11.6 | 22 | 13.2 |
| 20 | 12.8 | Apr. 2 | 11.6 | 16 | 11.0 | 29 | 12.4 |
| 27 | 12.6 | 9 | 11.3 | 23 | 11.8 | Nov. 5 | 12.3 |
| Jan. 3, 1967 | 12.6 | 16 | 11.0 | 30 | 12.0 | 12 | 12.4 |
| 10 | 12.3 | 23 | 10.9 | Aug. 6 | 12.0 | 19 | 12.4 |
| 17 | 12.6 | May 1 | 10.6 | 13 | 12.1 | 26 | 12.5 |
| 24 | 12.8 | 7 | 10.7 | 20 | 12.2 | Dec. 3 | 12.5 |
| 31 | 12.8 | 14 | 10.7 | 27 | 12.4 | 10 | 12.4 |
| Feb. 7 | 12.9 | 21 | 10.8 | Sept. 3 | 12.5 | 17 | 12.4 |
| 14 | 12.8 | 28 | 10.9 | 10 | 12.6 | 24 | 12.4 |
| 21 | 12.8 | June 4 | 11.1 | 17 | 12.7 | 31 | 12.4 |
| 28 | 12.8 | 11 | 11.2 | 24 | 12.8 | | |

Texas Township

421325N0854045.1. Local number 3S 12W 11-bdad. Formerly 3S 12W 11-1. City of Kalamazoo. Atwster well field. Drilled unused artesian well in deposits of Pleistocene age, diam 3 in, depth 248 ft. Lsd about 880 ft above mal. MP top of recorder base, 4.0 ft above lsd. Highest water level 2.25 above lsd, July 23, 1967; lowest, 0.27 below lsd, Oct. 21-22, 1964. Records available: 1961-67. Recording gage installed Mar. 24, 1961. No measurements made December 1965 through Feb. 15, 1966.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | +1.84 | +1.80 | +1.73 | +1.71 | +1.66 | +1.43 | +1.57 | ..... | +1.44 |
| 10 | | | | 1.81 | 1.78 | 1.72 | 1.70 | 1.64 | 1.57 | 1.56 | +1.48 | 1.42 |
| 15 | | | | 1.81 | 1.77 | 1.73 | 1.69 | 1.64 | 1.56 | 1.54 | 1.48 | ..... |
| 20 | | | | 1.77 | 1.77 | 1.75 | 1.66 | 1.61 | 1.57 | 1.51 | 1.48 | 1.41 |
| 25 | | | +1.87 | 1.83 | 1.75 | 1.73 | 1.64 | 1.59 | ..... | ..... | 1.45 | ..... |
| Eom | | | 1.89 | 1.84 | 1.74 | 1.73 | 1.64 | 1.53 | 1.61 | ..... | 1.46 | ..... |

1962

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | +1.41 | +1.34 | +1.22 | +1.39 | +1.48 | +1.56 | +1.60 | +1.54 | +1.46 | +1.43 | +1.35 | +1.32 |
| 10 | ..... | 1.36 | 1.22 | 1.36 | 1.47 | 1.59 | 1.57 | 1.53 | 1.47 | 1.41 | 1.35 | 1.31 |
| 15 | ..... | 1.30 | 1.26 | 1.37 | 1.49 | 1.58 | 1.59 | 1.52 | 1.46 | 1.42 | 1.38 | 1.27 |
| 20 | 1.38 | 1.31 | 1.29 | 1.38 | 1.49 | 1.57 | 1.61 | 1.48 | 1.43 | 1.41 | 1.39 | 1.22 |
| 25 | 1.36 | 1.29 | 1.32 | 1.45 | 1.47 | 1.57 | 1.56 | 1.51 | 1.43 | 1.41 | 1.34 | 1.26 |
| Eom | 1.33 | 1.24 | 1.34 | 1.44 | 1.51 | 1.57 | 1.56 | 1.49 | 1.42 | 1.41 | 1.33 | 1.21 |

1963

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | +1.23 | +1.12 | +1.03 | +1.02 | +1.07 | +1.01 | +0.91 | +0.86 | +0.77 | +0.68 | +0.59 | +0.54 |
| 10 | 1.17 | 1.11 | 1.01 | 1.04 | 1.05 | 1.02 | .88 | .85 | .75 | .66 | .57 | .51 |
| 15 | 1.17 | 1.02 | .98 | 1.05 | 1.02 | .99 | .88 | .83 | .74 | .65 | .57 | .51 |
| 20 | 1.14 | 1.03 | 1.07 | 1.08 | 1.04 | .96 | .90 | .81 | .73 | .61 | .59 | .51 |
| 25 | 1.14 | 1.04 | 1.07 | 1.03 | 1.03 | .96 | .88 | .80 | .72 | .61 | .57 | .51 |
| Eom | 1.15 | 1.04 | 1.08 | 1.09 | 1.00 | .93 | .86 | .78 | .68 | .61 | .53 | .49 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | +0.50 | +0.48 | +0.30 | +0.44 | +0.35 | +0.25 | +0.12 | +0.01 | -0.08 | -0.24 | -0.20 | -0.24 |
| 10 | .45 | .41 | .35 | .42 | .33 | .21 | .12 | .00 | .08 | .25 | .20 | .24 |
| 15 | .48 | .42 | .35 | .39 | .35 | .19 | .11 | -.01 | .12 | .25 | .21 | .24 |
| 20 | .42 | .39 | .38 | .38 | .30 | .19 | .10 | .04 | .11 | .27 | .27 | .25 |
| 25 | .48 | .38 | .38 | .37 | .28 | .18 | .08 | .02 | .12 | .27 | .21 | .27 |
| Eom | .47 | .35 | .33 | .36 | .27 | .18 | .04 | .05 | .19 | .20 | .26 | .30 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | -0.22 | -0.27 | -0.12 | +0.05 | +0.21 | +0.32 | +0.29 | +0.33 | +0.35 | +0.35 | +0.29 | ..... |
| 10 | .29 | .27 | .10 | .10 | .23 | .30 | .30 | .32 | .34 | .33 | .27 | ..... |
| 15 | .29 | .21 | .08 | .11 | .24 | .29 | .31 | .33 | .34 | .32 | .47 | ..... |
| 20 | .29 | .19 | .07 | .14 | .22 | .30 | .30 | .35 | .37 | .35 | .39 | ..... |
| 25 | .27 | .21 | -.05 | .20 | .30 | .29 | .30 | .37 | .37 | .32 | .35 | ..... |
| Eom | .28 | .19 | +0.01 | .20 | .28 | .30 | .32 | .39 | .38 | .28 | .29 | ..... |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | +0.21 | +0.27 | +0.42 | +0.58 | +0.64 | +0.73 | +0.84 | +0.78 | +0.78 | +0.91 |
| 10 | ..... | ..... | .23 | .25 | .36 | .54 | .67 | .75 | .84 | .82 | .80 | .95 |
| 15 | ..... | ..... | .23 | .28 | .44 | .59 | .67 | .78 | .82 | .79 | .83 | .97 |
| 20 | ..... | +0.18 | .23 | .29 | .49 | .60 | .67 | .79 | .89 | .79 | .85 | .97 |
| 25 | ..... | .15 | .23 | .33 | .51 | .60 | .70 | .85 | .86 | .78 | .87 | .98 |
| Eom | ..... | .20 | .25 | .36 | .53 | .62 | .70 | .84 | .80 | .80 | .84 | 1.05 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | +1.06 | +1.07 | +1.19 | +1.40 | +1.64 | +1.92 | +2.13 | +2.21 | +2.11 | +2.03 | +2.03 | +2.02 |
| 10 | ..... | 1.12 | 1.18 | 1.38 | 1.64 | 1.97 | 2.18 | 2.17 | 2.07 | 2.01 | 2.08 | 2.02 |
| 15 | ..... | 1.08 | 1.14 | 1.45 | 1.70 | 2.02 | 2.18 | 2.17 | 2.08 | 2.04 | 2.01 | 2.03 |
| 20 | 1.05 | 1.14 | 1.25 | 1.55 | 1.75 | 2.05 | 2.21 | 2.16 | 2.09 | 2.01 | 2.01 | 2.00 |
| 25 | 1.03 | 1.17 | 1.28 | 1.57 | 1.84 | 2.06 | 2.22 | 2.15 | 2.05 | 2.03 | 2.00 | 2.03 |
| Eom | 1.08 | 1.12 | 1.32 | 1.63 | 1.86 | 2.10 | 2.21 | 2.10 | 2.03 | 2.05 | 1.98 | 2.04 |

Kent County

City of Wyoming

425305N0854320.1. Local number 6N 12W 27-bbba. Formerly 6N 12W 27-1. City of Wyoming. Forty-fourth St. and Byron Center Ave. Drilled unused artesian well in Marshall Formation, diam 14 in, depth 265 ft, cased to 207. Lsd 707.24 ft above msl. MP top of plywood recorder base, 1.5 ft above lsd. Highest water level 49.0 ft below lsd, July 6, 1967; lowest 56.0 ft below lsd, Aug. 8, 1964. Records available: 1962-67. Water levels affected by pumping.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|------|
| 5 | | | | | | | | | | 51.7 | 51.6 | 51.7 |
| 10 | | | | | | | | | | 51.6 | 51.6 | 51.6 |
| 15 | | | | | | | | | | 51.7 | 51.5 | 51.7 |
| 20 | | | | | | | | | | 51.7 | 51.4 | 51.7 |
| 25 | | | | | | | | | | 51.6 | 51.5 | 51.6 |
| Eom | | | | | | | | | | 51.5 | 51.6 | 51.6 |

425305N0854320, 1--Continued.

| 1963 | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Ncv. | Dec. |
| 5 | 51.6 | 51.8 | 51.7 | .... | 51.4 | 53.7 | 54.5 | 53.2 | 52.8 | 53.2 | 52.9 | 52.8 |
| 10 | 51.7 | 51.8 | 51.8 | .... | 51.4 | 52.6 | 54.7 | 53.6 | 53.1 | 53.4 | 53.0 | 52.8 |
| 15 | 51.7 | 51.8 | 51.8 | .... | 51.2 | 51.7 | 54.6 | 52.8 | 53.0 | 53.4 | 53.0 | 52.9 |
| 20 | 51.8 | 51.7 | 51.6 | .... | 51.3 | 53.2 | 53.4 | .... | 53.7 | 53.2 | 52.8 | 52.9 |
| 25 | 51.8 | 51.8 | 51.5 | .... | 51.4 | 53.4 | 54.0 | 53.4 | 53.3 | 53.1 | 52.7 | 52.7 |
| Eom | 51.9 | 51.8 | 51.6 | .... | 51.7 | 54.3 | 54.3 | 52.8 | 53.2 | 53.0 | 52.6 | 52.7 |
| 1964 | | | | | | | | | | | | |
| 5 | 52.7 | 52.6 | 52.9 | 52.1 | 52.2 | 54.3 | 54.3 | 55.7 | 54.1 | 53.2 | 53.5 | 53.6 |
| 10 | 52.9 | 52.7 | 52.7 | 52.0 | 52.3 | 54.6 | 54.5 | 55.2 | 54.7 | 53.4 | 53.6 | 53.7 |
| 15 | 52.7 | 52.8 | 52.7 | 51.9 | 52.2 | 55.0 | 53.6 | 54.3 | 53.9 | 53.3 | 53.8 | 53.4 |
| 20 | 52.8 | 52.8 | 52.6 | 51.9 | 52.4 | 53.5 | 54.8 | 54.7 | 53.9 | 53.3 | 53.7 | 53.6 |
| 25 | 52.7 | 52.7 | 52.6 | 51.9 | 53.0 | 53.3 | 55.1 | 53.6 | 53.8 | 53.3 | 53.5 | 53.6 |
| Eom | 52.7 | 52.8 | 52.1 | 52.0 | 53.7 | 54.9 | 55.2 | 53.5 | 53.3 | 53.6 | 53.3 | 53.5 |
| 1965 | | | | | | | | | | | | |
| 5 | 53.2 | .... | .... | .... | 52.4 | 53.3 | 53.8 | 53.6 | 53.5 | 53.2 | 53.4 | 53.1 |
| 10 | 53.5 | .... | .... | .... | 52.7 | 54.1 | 54.1 | 53.4 | 53.5 | 53.5 | 53.3 | 53.3 |
| 15 | 53.7 | .... | .... | .... | 53.5 | 54.6 | 54.8 | 54.9 | 53.4 | 53.4 | 53.3 | 53.1 |
| 20 | 53.6 | .... | 52.6 | 51.9 | 53.9 | 54.9 | 54.0 | 53.8 | 53.5 | 53.3 | 53.4 | 52.9 |
| 25 | 53.4 | .... | 52.4 | 52.0 | 53.5 | 53.7 | 55.0 | 53.8 | 53.5 | 53.3 | 53.3 | 52.9 |
| Eom | 53.6 | .... | 52.2 | 52.1 | 53.0 | 54.3 | 54.5 | 53.4 | 53.3 | 53.3 | 53.0 | 52.8 |
| 1966 | | | | | | | | | | | | |
| 5 | 52.6 | 52.7 | 52.2 | 51.8 | 51.8 | 54.2 | 52.4 | 51.8 | 51.9 | 51.7 | 51.7 | 51.3 |
| 10 | 52.6 | 52.5 | 52.1 | 51.9 | 51.8 | 54.2 | 51.9 | 51.9 | 51.8 | 51.6 | 51.6 | 51.3 |
| 15 | 52.7 | 52.4 | 52.0 | 51.9 | 51.9 | 53.0 | 51.7 | 51.8 | 51.9 | 51.8 | 51.6 | 51.1 |
| 20 | 52.6 | 52.5 | 52.2 | 51.9 | 52.0 | 53.4 | 51.7 | 51.8 | 51.8 | 51.7 | 51.6 | 51.0 |
| 25 | 52.6 | 52.3 | 52.1 | 51.8 | 52.1 | 54.4 | 51.9 | 51.7 | 51.9 | 51.6 | 51.4 | 51.0 |
| Eom | 52.5 | 52.2 | 51.9 | 51.9 | 52.6 | 54.0 | 51.9 | 51.9 | 51.8 | 51.6 | 51.4 | 50.9 |
| 1967 | | | | | | | | | | | | |
| 5 | 50.4 | 50.8 | 50.6 | 50.2 | 49.8 | 49.8 | 49.2 | 49.6 | 49.6 | 49.8 | 49.5 | 49.3 |
| 10 | 51.0 | 50.7 | 50.6 | 50.2 | 49.7 | 49.7 | 49.2 | 49.6 | 49.9 | 49.6 | 49.4 | 49.4 |
| 15 | 51.0 | 50.7 | 50.7 | 50.1 | 49.6 | 49.4 | 49.6 | 49.9 | 49.9 | 49.7 | 49.4 | 49.4 |
| 20 | 50.9 | 50.6 | 50.5 | 50.0 | 49.7 | 49.4 | 49.8 | 49.9 | 49.9 | 49.6 | 49.2 | 49.4 |
| 25 | 50.9 | 50.8 | 50.5 | 49.8 | 49.6 | 49.4 | 49.8 | 49.8 | 49.8 | 49.5 | 49.3 | 49.1 |
| Eom | 50.8 | 50.7 | 50.4 | 49.7 | 49.5 | 49.3 | 49.5 | 49.8 | 49.8 | 49.5 | 49.4 | 49.3 |

Byron Township

425028N0854353, 1. Local number 5N 12W 4-decd. Formerly 5N 12W 4-3. City of Wyoming (Wobma well). Drilled unused artesian well in sand and gravel of Pleistocene age, diam 6 in, depth 86 ft. Lsd is 685.97 ft above msl. MP top of plywood recorder base, 2.50 ft above lsd. Highest water level 9.70 below lsd, Apr. 8, 1967; lowest 12.91 below lsd, Aug. 19, 1964. Records available: 1962-67.

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

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.00 | ..... | 12.11 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.02 | 12.05 | 12.12 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.04 | 12.06 | 12.12 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.03 | 12.10 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.09 | 12.12 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.11 | 12.14 |
| 1963 | | | | | | | | | | | | |
| 5 | ..... | 12.23 | 12.25 | 10.83 | 10.58 | 11.19 | 12.02 | 12.26 | 12.47 | 12.54 | ..... | ..... |
| 10 | 12.16 | 12.23 | 12.08 | 10.93 | 10.62 | 11.25 | 12.16 | 12.35 | 12.51 | 12.58 | ..... | ..... |
| 15 | 12.17 | 12.26 | 11.98 | 11.03 | 10.65 | 11.34 | 12.13 | 12.38 | 12.42 | 12.60 | 12.62 | 12.50 |
| 20 | 12.17 | 12.25 | 11.45 | 10.94 | 10.80 | 11.52 | 12.04 | 12.41 | 12.51 | 12.59 | 12.41 | 12.49 |
| 25 | 12.19 | 12.27 | 11.18 | 11.02 | 10.90 | 11.67 | 12.21 | 12.42 | 12.52 | 12.60 | 12.33 | 12.49 |
| Eom | 12.21 | 12.27 | 10.75 | 10.99 | 11.02 | 11.85 | 12.32 | 12.44 | 12.50 | 12.61 | 12.39 | 12.51 |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 12.17 | 12.14 | 11.77 | 11.53 | 11.84 | 12.39 | 12.78 | 12.82 | 12.72 | 12.72 | 12.72 |
| 10 | 12.47 | 12.20 | 11.97 | ..... | ..... | 12.00 | 12.46 | 12.87 | 12.86 | 12.77 | 12.75 | 12.75 |
| 15 | 12.46 | 12.22 | 11.96 | ..... | ..... | 12.05 | 12.36 | 12.86 | 12.87 | 12.77 | 12.83 | 12.52 |
| 20 | 12.46 | 12.26 | 11.97 | ..... | ..... | 12.02 | 12.51 | 12.91 | 12.86 | 12.86 | ..... | 12.56 |
| 25 | 12.19 | 12.29 | 11.96 | ..... | ..... | 12.12 | 12.58 | 12.67 | 12.80 | 12.80 | 12.78 | 12.46 |
| Eom | 12.18 | 12.33 | 11.87 | ..... | ..... | 12.29 | 12.74 | 12.70 | 12.67 | 12.67 | 12.66 | 12.39 |
| 1965 | | | | | | | | | | | | |
| 5 | 12.23 | 12.27 | 11.19 | ..... | 10.88 | 11.60 | 12.12 | 12.46 | 12.50 | ..... | 12.28 | 12.10 |
| 10 | 12.20 | 11.70 | 11.01 | ..... | 11.03 | 11.68 | 12.16 | 12.45 | 12.44 | 12.17 | 12.30 | 12.15 |
| 15 | 12.25 | 11.47 | 11.07 | ..... | 11.20 | 11.84 | 12.30 | 12.55 | 12.49 | 12.21 | 12.31 | 11.81 |
| 20 | 12.30 | 11.54 | ..... | 10.46 | 11.35 | 11.94 | 12.37 | 12.42 | 12.53 | 12.23 | 12.31 | 11.73 |
| 25 | 12.21 | 11.63 | ..... | ..... | 11.42 | 11.96 | 12.37 | 12.48 | 12.26 | 12.17 | 12.33 | 11.60 |
| Eom | 12.20 | 11.69 | ..... | ..... | 11.52 | 12.08 | 12.48 | 12.48 | 12.30 | 12.24 | 12.16 | 11.43 |
| 1966 | | | | | | | | | | | | |
| 5 | 11.37 | ..... | 10.88 | 10.76 | 10.58 | 11.15 | ..... | 11.87 | 11.98 | 12.09 | 12.07 | 11.64 |
| 10 | 11.41 | 11.30 | 10.94 | 10.85 | 10.72 | 11.22 | 11.60 | 11.93 | 12.04 | 12.09 | 11.78 | 10.86 |
| 15 | 11.43 | 11.01 | 10.89 | 10.90 | 10.55 | 11.25 | 11.59 | 11.93 | 12.07 | 12.00 | 11.73 | 10.75 |
| 20 | 11.46 | 11.09 | 10.91 | 10.83 | 10.67 | ..... | 11.70 | 11.94 | 12.10 | 11.98 | 11.79 | 10.82 |
| 25 | 11.50 | 11.14 | 10.79 | 10.64 | 10.80 | ..... | 11.78 | 11.82 | 12.12 | 12.03 | 11.77 | 10.92 |
| Eom | ..... | 11.14 | 10.77 | 10.54 | 10.97 | ..... | 11.81 | 11.96 | 12.06 | 12.04 | 11.50 | 10.96 |

425028N0854353.1--Continued.

| Day | 1967 | | | | | | | | | | | |
|-----|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 11.04 | 10.74 | 10.86 | 9.78 | 9.97 | 10.59 | 10.16 | 10.73 | 11.09 | 11.29 | 10.82 | 10.67 |
| 10 | 11.07 | 10.77 | 10.90 | 9.81 | 10.08 | 10.32 | 10.27 | 10.84 | 11.18 | 11.24 | 10.68 | 10.62 |
| 15 | 11.09 | 10.77 | 10.49 | 9.87 | 10.14 | 9.96 | 10.42 | 10.93 | 11.25 | 11.22 | 10.57 | 10.41 |
| 20 | 11.09 | 10.74 | 10.45 | 9.96 | 10.27 | 10.00 | 10.58 | 10.96 | 11.29 | 11.14 | 10.55 | 10.44 |
| 25 | 10.77 | 10.87 | 10.24 | 9.77 | 10.36 | 9.89 | 10.63 | 11.05 | 11.26 | 11.15 | 10.56 | 10.31 |
| Eom | 10.74 | 10.90 | 10.17 | 9.82 | 10.48 | 9.97 | 10.62 | 11.03 | 11.23 | 11.04 | 10.65 | 10.29 |

Lake County

Pleasant Plains Township

435348N0855144.1. Local number 17N 13W 4-adad. Formerly 17N 13W 4-1. Chesapeake and Ohio RR. Drilled unused artesian well in deposits of Pleistocene age, diam 8 in, depth 83 ft. Lsd about 840 ft above msl. MP top of casing, 11.5 ft below lsd. Highest water level 16.17 below lsd, July 6, 1967; lowest 20.36 below lsd, May 23, 1958. Records available: 1957-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| May 23, 1957 | 19.43 | July 6, 1960 | 17.17 | Apr. 10, 1963 | 18.46 | Oct. 5, 1965 | 18.42 |
| July 18 | 19.34 | Sept. 6 | 18.07 | July 9 | 18.62 | Dec. 6 | 18.40 |
| Nov. 4 | 20.34 | Dec. 8 | 18.14 | Sept. 10 | 19.40 | Apr. 13, 1966 | 17.59 |
| Dec. 31 | 20.07 | Apr. 11, 1961 | 18.23 | Dec. 10 | 19.83 | July 5 | 17.66 |
| Apr. 23, 1958 | 20.25 | July 13 | 18.37 | Apr. 8, 1964 | 20.00 | Oct. 3 | 18.84 |
| May 23 | 20.36 | Sept. 12 | 19.08 | July 8 | 19.31 | Dec. 6 | 18.13 |
| Dec. 9 | 19.69 | Dec. 15 | 18.53 | Oct. 7 | 19.89 | Apr. 12, 1967 | 16.68 |
| Apr. 14, 1959 | 18.23 | Apr. 10, 1962 | 17.86 | Dec. 8 | 20.09 | July 6 | 16.17 |
| Sept. 30 | 19.32 | July 10 | 18.22 | Apr. 6, 1965 | 19.70 | Oct. 4 | 17.52 |
| Dec. 8 | 19.17 | Sept. 11 | 18.84 | July 7 | 18.48 | Dec. 5 | 17.39 |
| Apr. 15, 1960 | 18.62 | Dec. 12 | 19.34 | | | | |

Mackinac County

Marquette Township

460310N0843550.1. Local number 42N 2W 7-aabb. Formerly 42N 2W 7-1. U.S. Forest Service. Drilled unused water-table well in Manistique dolomite of Middle Silurian age, diam 6 in, depth 102 ft. Lsd about 650 ft above msl. MP top of recorder base, 2.30 ft above lsd. Highest water level 13.1 below lsd, May 11, 1960; lowest 32.2 below lsd, Nov. 22, 1963. Records available: 1956-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|------|---------------|-------|
| June 30, 1956 | 24.0 | Jan. 31, 1959 | 27.8 | Aug. 31, 1961 | 27.9 | Apr. 30, 1964 | e15.5 |
| July 31 | 22.5 | Feb. 28 | 28.7 | Sept. 30 | 28.9 | May 31 | 17.5 |
| Aug. 31 | 25.4 | Mar. 31 | 27.4 | Oct. 31 | 28.6 | June 30 | e24.7 |
| Sept. 30 | e26.9 | Apr. 30 | 18.7 | Nov. 30 | 25.5 | July 31 | e26.7 |
| Oct. 26 | 28.0 | May 31 | 21.0 | Dec. 31 | 25.1 | Aug. 31 | e27.9 |
| Nov. 21 | 27.3 | June 30 | 24.6 | Jan. 31, 1962 | 26.7 | Sept. 30 | e28.5 |
| Dec. 14 | h26.0 | July 31 | 26.2 | Feb. 28 | 27.9 | Apr. 9, 1965 | 23.4 |
| Jan. 14, 1957 | 26.5 | Aug. 31 | 27.7 | Mar. 31 | 21.0 | June 4 | 20.9 |
| Feb. 14 | 27.4 | Sept. 30 | 25.9 | Apr. 30 | 20.1 | Sept. 2 | 27.7 |
| Mar. 11 | 27.6 | Oct. 31 | 19.3 | May 29 | 22.3 | Oct. 12 | 22.3 |
| Apr. 10 | 21.3 | Nov. 30 | e28.2 | June 30 | 25.8 | Dec. 21 | 19.9 |
| May 31 | 19.5 | Dec. 31 | 23.7 | July 31 | 28.2 | Jan. 31, 1966 | 23.7 |
| June 30 | 21.4 | Jan. 31, 1960 | 25.7 | Aug. 31 | 29.6 | Feb. 28 | 23.5 |
| July 31 | 23.9 | Feb. 29 | 26.8 | Sept. 30 | 29.7 | Mar. 31 | 19.0 |
| Aug. 31 | 26.5 | Mar. 31 | 26.6 | Oct. 31 | 27.7 | Apr. 30 | 20.4 |
| Sept. 30 | 28.2 | Apr. 30 | 17.2 | Nov. 30 | 28.6 | May 31 | 21.7 |
| Oct. 31 | 29.1 | May 31 | 20.2 | Dec. 31 | 29.0 | June 29 | 24.6 |
| Nov. 18 | 24.4 | June 30 | 23.0 | Jan. 31, 1963 | 29.1 | July 31 | 26.8 |
| Dec. 19 | 24.4 | July 31 | 25.3 | Feb. 28 | 30.0 | Aug. 31 | 28.3 |
| Jan. 20, 1958 | h24.8 | Aug. 31 | 27.1 | Mar. 31 | 22.3 | Oct. 31 | 28.5 |
| Feb. 28 | 26.8 | Sept. 30 | 25.4 | Apr. 12 | 18.4 | Nov. 30 | 27.0 |
| Mar. 31 | e23.4 | Oct. 31 | 26.0 | June 30 | 24.9 | Dec. 31 | 22.6 |
| Apr. 30 | 21.7 | Nov. 30 | 23.3 | July 31 | 27.7 | Jan. 31, 1967 | 22.8 |
| May 31 | 24.8 | Dec. 31 | 25.4 | Aug. 31 | 29.4 | May 31 | 21.8 |
| June 30 | 26.8 | Jan. 31, 1961 | 27.0 | Sept. 30 | 30.4 | June 30 | 22.9 |
| July 31 | 26.7 | Feb. 28 | 28.2 | Oct. 31 | 31.5 | July 31 | 25.0 |
| Aug. 31 | 28.8 | Mar. 31 | 23.7 | Nov. 30 | 30.6 | Aug. 31 | 25.7 |
| Sept. 30 | 28.3 | Apr. 30 | 22.3 | Dec. 31 | 28.5 | Sept. 30 | 26.5 |
| Oct. 31 | 28.0 | May 31 | 23.3 | Jan. 31, 1964 | 26.4 | Oct. 31 | 27.2 |
| Nov. 30 | 24.8 | June 30 | 19.6 | Feb. 29 | 27.7 | Nov. 30 | 23.1 |
| Dec. 31 | e26.3 | July 31 | 25.6 | Mar. 31 | 25.3 | Dec. 31 | 22.5 |

e Estimated.

h Tape measurement.

Marquette County

Ely Township

462936N0874759.1. Local number 47N 28W 3-codd. Formerly 47N 28W 3-1. Ely Township. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in, depth 72 ft, screened 68-72. Lsd 1,571.99 ft above msl. MP top of recorder base, 3.0 ft above lsd. Highest water level 11.17 below lsd, June 12, 1966; lowest 18.26 below lsd, Apr. 10-11, 1964. Records available: 1961-67. Recording gage installed Aug. 22, 1961.

462936N0874759, 1--Continued.

| Water level at 2 a.m., from recorder graph, 1961 | | | | | | | | | | | | |
|--|-------|-------|--------|-------|-------|-------|--------|--------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.00 | ..... | 14.63 | 14.75 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.11 | 14.41 | 14.54 | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14.12 | 14.42 | 14.57 | 14.64 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | h12.96 | ..... | 14.15 | 14.52 | 14.67 | 14.66 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.65 | 14.28 | 14.54 | 14.74 | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.85 | ..... | 14.57 | 14.61 | ..... |
| 1962 | | | | | | | | | | | | |
| 5 | ..... | 15.66 | ..... | 16.53 | 14.02 | 13.77 | 14.35 | ..... | 15.85 | ..... | ..... | 16.40 |
| 10 | ..... | ..... | ..... | 16.07 | 13.97 | 13.81 | 14.49 | ..... | 15.93 | ..... | ..... | 16.42 |
| 15 | 15.23 | ..... | ..... | 15.70 | 13.91 | 13.89 | 14.63 | ..... | 16.02 | ..... | ..... | ..... |
| 20 | 15.34 | ..... | h16.54 | 15.16 | 13.82 | 14.01 | 14.75 | 15.50 | 16.09 | 16.32 | ..... | ..... |
| 25 | 15.43 | 16.09 | 16.65 | 14.53 | 13.81 | 14.11 | 14.85 | 15.63 | 16.14 | ..... | ..... | ..... |
| Eom | 15.54 | 16.14 | 16.62 | 14.14 | 13.73 | 14.23 | 15.02 | 15.72 | ..... | ..... | 16.48 | 16.69 |
| 1963 | | | | | | | | | | | | |
| 5 | 16.73 | 17.27 | e17.74 | 17.10 | 16.33 | 15.85 | 14.71 | 15.38 | 16.06 | 16.61 | 17.24 | 17.60 |
| 10 | 16.80 | 17.33 | e17.82 | 16.75 | ..... | 15.64 | 14.83 | 15.51 | 16.12 | 16.71 | 17.33 | 17.66 |
| 15 | 16.90 | 17.45 | e17.89 | 16.60 | ..... | 15.06 | 14.93 | 15.63 | 16.22 | 16.83 | 17.42 | 17.69 |
| 20 | 16.87 | 17.47 | e18.00 | 16.48 | ..... | 14.70 | 14.99 | 15.70 | 16.32 | 16.93 | 17.49 | 17.72 |
| 25 | 17.06 | 17.61 | 18.09 | 16.45 | 16.16 | 14.62 | 15.14 | 15.82 | 16.39 | 17.02 | 17.55 | 17.74 |
| Eom | 17.17 | 17.64 | 17.79 | 16.37 | 15.96 | 14.42 | 15.25 | 15.94 | 16.49 | 17.15 | 17.54 | 17.85 |
| 1964 | | | | | | | | | | | | |
| 5 | 17.91 | 18.33 | 18.73 | 19.22 | 15.83 | 14.96 | 15.37 | 15.03 | 14.87 | 14.81 | 15.07 | 15.24 |
| 10 | 17.96 | 18.42 | 18.85 | 19.26 | 15.40 | ..... | 15.47 | 15.00 | 14.86 | 14.85 | 15.10 | 15.27 |
| 15 | 18.04 | 18.50 | 18.92 | 17.81 | 15.22 | 14.98 | 15.59 | ..... | 14.91 | 14.81 | 15.12 | 15.38 |
| 20 | 18.10 | 18.58 | 18.99 | 16.85 | 15.17 | 15.07 | 15.69 | ..... | 14.93 | 14.86 | 14.94 | 15.45 |
| 25 | 18.08 | 18.63 | 19.06 | 16.45 | 15.06 | 15.18 | 15.49 | ..... | 14.94 | 14.88 | 14.98 | 15.50 |
| Eom | 18.27 | 18.68 | 19.14 | 16.18 | 14.95 | 15.25 | 15.14 | 14.91 | ..... | 15.01 | 15.17 | 15.66 |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | 16.19 | ..... | 17.25 | 13.32 | 12.77 | 13.51 | 14.34 | 15.12 | 15.27 | ..... | ..... |
| 10 | ..... | ..... | ..... | 17.29 | 13.03 | 12.87 | 13.62 | 14.48 | 15.26 | 15.25 | 15.22 | ..... |
| 15 | ..... | ..... | ..... | 16.96 | 12.68 | 13.02 | 13.75 | 14.60 | 15.26 | 15.22 | 15.05 | ..... |
| 20 | ..... | ..... | ..... | 16.38 | 12.67 | 13.08 | 13.92 | 14.75 | 15.37 | 15.12 | 14.73 | 14.33 |
| 25 | ..... | ..... | ..... | 14.93 | ..... | 13.28 | 14.04 | 14.87 | 15.25 | 15.04 | 14.70 | 14.38 |
| Eom | 16.15 | ..... | 17.20 | 13.92 | 12.69 | 13.41 | 14.21 | h15.04 | 15.22 | ..... | 14.70 | 14.34 |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | ..... | 11.59 | 11.89 | 12.94 | 12.98 | ..... | 13.46 | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | 11.26 | 12.05 | 12.93 | 13.18 | 13.75 | 13.55 | 13.64 |
| 15 | ..... | ..... | ..... | ..... | ..... | 11.22 | 12.25 | 12.91 | 13.31 | 13.88 | 13.78 | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | 11.35 | ..... | 12.97 | 13.43 | 13.33 | 13.85 | ..... |
| 25 | ..... | ..... | ..... | ..... | ..... | 11.48 | ..... | 12.84 | 13.44 | 13.29 | 13.84 | ..... |
| Eom | 14.73 | 14.96 | 13.93 | 11.33 | 11.64 | 11.69 | ..... | 12.93 | 13.44 | 13.44 | 13.63 | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | ..... | 14.45 | ..... | 13.04 | ..... | 12.15 | ..... | 12.98 | 13.63 | 14.41 | 13.29 | 13.79 |
| 10 | ..... | ..... | ..... | 12.61 | 11.73 | 12.23 | ..... | 13.06 | 13.77 | 14.41 | ..... | ..... |
| 15 | ..... | ..... | ..... | 12.40 | 11.77 | 12.24 | ..... | 13.13 | 13.90 | ..... | ..... | 14.03 |
| 20 | 14.18 | ..... | ..... | 11.92 | 11.93 | 12.13 | ..... | 13.22 | ..... | ..... | ..... | 14.13 |
| 25 | 14.34 | ..... | ..... | 11.81 | 11.94 | 12.16 | 12.67 | 13.37 | ..... | ..... | ..... | 14.17 |
| Eom | 14.36 | ..... | ..... | 11.84 | 12.12 | 12.13 | 12.85 | 13.52 | 14.27 | 13.29 | h13.70 | 14.30 |

e Estimated.

h Tape measurement.

Republic Township

461936N0880032, 1. Local number 45N 30W 1-bdc. Formerly 45N 30W 1-1. (W.M.P. No. 4). Arnold Janofski. Dug unused water-table well in glacial till, diam 36 in, depth 28 ft (corrected), cased with corrugated metal pipe. Lsd about 1,540 ft above msl. MP top of 36-in corrugated steel pipe, 2.50 ft above lsd. Highest water level 23.82 below lsd, July 18, 1960; lowest dry, at times during February-May 1964, February-May 1965. Federal key well.

| Water level at 2 a. m., from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 26.91 | 27.07 | 27.22 | 27.31 | 27.15 | 27.12 | 27.08 | 27.24 | 27.36 | 27.48 | 27.62 | 27.77 |
| 10 | 26.94 | 27.09 | 27.14 | 27.26 | 27.14 | 27.12 | 27.09 | 27.27 | 27.38 | 27.50 | 27.65 | 27.80 |
| 15 | 26.97 | 27.12 | 27.17 | 27.22 | 27.14 | 27.12 | 27.12 | 27.29 | 27.40 | 27.53 | 27.68 | 27.82 |
| 20 | 26.99 | 27.13 | 27.19 | 27.18 | 27.13 | 27.11 | 27.14 | 27.30 | 27.42 | 27.55 | 27.70 | 27.84 |
| 25 | 27.01 | 27.16 | 26.80 | 27.17 | 27.14 | 27.10 | 27.18 | 27.32 | 27.44 | 27.57 | 27.73 | 27.86 |
| Eom | 27.04 | 27.18 | 27.34 | 27.16 | 27.13 | 27.09 | 27.21 | 27.34 | 27.46 | 27.60 | 27.75 | h27.90 |
| 1964 | | | | | | | | | | | | |
| 5 | 27.92 | 28.02 | 27.95 | (f) | (f) | 28.02 | 27.94 | 27.93 | 27.78 | 27.75 | 27.75 | 27.78 |
| 10 | 27.93 | 28.03 | (f) | 27.50 | (f) | 28.02 | 27.94 | 27.89 | 27.77 | 27.75 | 27.75 | 27.79 |
| 15 | 27.96 | 28.03 | (f) | 28.02 | (f) | 27.98 | 27.95 | 27.86 | 27.77 | 27.74 | 27.78 | 27.81 |
| 20 | 27.98 | 28.03 | (f) | (f) | (f) | 27.97 | 27.97 | 27.83 | 27.76 | 27.73 | 27.75 | 27.82 |
| 25 | 28.00 | 28.03 | (f) | (f) | (f) | 27.95 | 27.99 | 27.80 | 27.75 | 27.73 | 27.75 | 27.84 |
| Eom | 28.02 | (f) | (f) | (f) | (f) | 27.94 | 27.97 | 27.80 | 27.76 | 27.75 | 27.78 | 27.87 |

461936N0880032, 1--Continued.

| 1965 | | | | | | | | | | | | |
|------|--------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 27.88 | (f) | (f) | ..... | 27.68 | 26.76 | 26.41 | 26.42 | 26.62 | 26.73 | ..... | ..... |
| 10 | 27.92 | (f) | (f) | 27.55 | 27.50 | 26.64 | 26.39 | 26.45 | 26.64 | 26.73 | 26.86 | ..... |
| 15 | 27.94 | (f) | (f) | 27.35 | 27.37 | 26.58 | 26.37 | 26.47 | 26.66 | 26.76 | 26.87 | ..... |
| 20 | 27.95 | (f) | (f) | 28.01 | 27.19 | 26.49 | 26.38 | 26.50 | 26.70 | 26.78 | 26.89 | ..... |
| 25 | 27.97 | (f) | (f) | 28.01 | 27.02 | 26.47 | 26.37 | 26.52 | 26.70 | 26.79 | 26.90 | ..... |
| Eom | ..... |  | (f) | 27.85 | 26.87 | 26.43 | 26.39 | e26.59 | 26.72 | 26.82 | 26.91 | 26.97 |
| 1966 | | | | | | | | | | | | |
| 5 | 26.97 | 27.04 | 26.73 | 26.69 | 26.02 | 25.56 | 25.30 | 25.42 | 25.57 | 25.76 | ..... | 26.11 |
| 10 | 26.97 | 26.74 | 26.71 | 26.64 | 25.90 | 25.50 | 25.30 | 25.45 | 25.61 | 25.79 | 25.96 | 26.13 |
| 15 | 26.97 | 26.96 | 26.75 | 26.51 | 25.79 | 25.45 | 25.32 | 25.48 | 25.64 | 25.82 | 26.00 | 26.16 |
| 20 | 26.99 | 27.04 | 26.80 | 26.38 | 25.74 | 25.39 | 25.32 | 25.52 | 25.68 | 25.86 | 26.03 | 26.18 |
| 25 | 27.00 | 27.06 | 26.88 | 26.29 | 25.68 | 25.36 | 25.35 | 25.53 | 25.70 | 25.88 | 26.06 | 26.21 |
| Eom | e27.02 | 27.06 | e26.80 | 26.14 | 25.62 | 25.33 | 25.39 | 25.56 | 25.72 | 25.89 | 26.08 | 26.24 |
| 1967 | | | | | | | | | | | | |
| 5 | 26.27 | 26.46 | 26.64 | 26.66 | 25.88 | 25.42 | 25.15 | 24.97 | 25.02 | 25.21 | 25.33 | 25.44 |
| 10 | 26.30 | 26.49 | 26.67 | 26.51 | 25.78 | 25.37 | 25.11 | 24.96 | 25.04 | 25.23 | 25.33 | 25.46 |
| 15 | ..... | 26.53 | 26.66 | 26.38 | 25.68 | 25.34 | 25.08 | 24.95 | 25.07 | 25.27 | 25.36 | 25.49 |
| 20 | 26.37 | 26.57 | ..... | 26.14 | 25.61 | 25.26 | 25.04 | 24.94 | 25.10 | 25.29 | 25.37 | 25.51 |
| 25 | 26.39 | 26.60 | ..... | 26.12 | 25.53 | 25.23 | 25.00 | 24.96 | 25.12 | 25.30 | 25.37 | 25.54 |
| Eom | 26.44 | 26.61 | 26.20 | 26.00 | 25.47 | 25.18 | 24.97 | 24.99 | 25.17 | 25.33 | 25.42 | 25.58 |

e Estimated.

f Dry.

h Tape measurement.

Mason County

Logan Township

435326N0860532, 1. Local number 17N 15W 3--odbd. Formerly 17N 15W 3-1. State Dept. of Natural Resources. U.S. Forest Service. Manistee National Forest. 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 13.68 below lsd, Nov. 21, 1966; lowest 19.45 below lsd, Aug. 24, 1958. Records available: 1948-66. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 1, 1963 | 16.76 | Feb. 1, 1964 | 17.77 | Jan. 20, 1965 | 17.86 | Jan. 22, 1966 | 16.01 |
| Feb. 2 | 18.06 | Mar. 1 | 17.92 | Feb. 22 | 17.87 | Feb. 22 | 15.73 |
| Mar. 2 | 17.44 | Apr. 1 | 18.02 | Mar. 22 | 17.94 | Mar. 20 | 15.55 |
| Apr. 1 | 17.61 | May 1 | 17.94 | Apr. 20 | 17.75 | Apr. 21 | 15.40 |
| May 1 | 17.01 | June 2 | 17.32 | May 20 | 16.71 | May 22 | 14.86 |
| June 1 | 16.50 | July 2 | 16.95 | June 25 | 16.23 | June 23 | 14.76 |
| July 1 | 16.39 | Aug. 2 | 16.98 | July 21 | 16.19 | July 21 | 14.74 |
| Aug. 1 | 16.42 | Sept. 7 | 17.14 | Aug. 21 | 16.32 | Aug. 22 | 14.88 |
| Sept. 3 | 16.55 | Oct. 5 | 17.30 | Sept. 21 | 16.45 | Oct. 23 | 13.98 |
| Oct. 1 | 16.74 | Nov. 6 | 17.44 | Oct. 20 | 16.39 | Nov. 21 | 13.68 |
| Dec. 1 | 17.23 | Dec. 4 | 17.65 | Dec. 21 | 16.25 | Dec. 21 | 14.04 |
| Jan. 1, 1964 | 17.50 | Jan. 2, 1965 | 17.82 | | | | |

Montcalm County

City of Greenville

431030N0851500, 1. Local number 9N 8W 15--boda. Formerly 9N 8W 15-1. City of Greenville. Fairplain St. and Pere Marquette RR., Greenville. Drilled municipal 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: 1950-65. Water levels affected by nearby pumping. Measurements made by City Water Works. Measurement discontinued.

| | | | | | | | |
|--------------|-------|--------------|-------|---------------|-------|-------------|-------|
| Mar. 1, 1963 | 15.75 | Jan. 1, 1964 | 15.23 | Sept. 1, 1964 | 15.28 | May 1, 1965 | 13.85 |
| May 1 | 15.20 | Feb. 3 | 14.90 | Oct. 1 | 15.50 | June 1 | 15.34 |
| June 1 | 15.40 | Mar. 2 | 14.90 | Nov. 1 | 14.48 | July 1 | 11.90 |
| July 1 | 15.90 | Apr. 2 | 15.50 | Dec. 1 | 16.40 | Aug. 1 | 15.90 |
| Aug. 1 | 16.35 | May 1 | 14.98 | Jan. 5, 1965 | 15.97 | Sept. 1 | 15.00 |
| Sept. 3 | 14.90 | June 1 | 15.05 | Feb. 1 | 15.88 | Oct. 1 | 13.90 |
| Oct. 2 | 15.52 | July 1 | 16.38 | Mar. 1 | 16.33 | Nov. 1 | 14.30 |
| Nov. 1 | 15.62 | Aug. 1 | 15.43 | Apr. 1 | 16.10 | Dec. 1 | 14.40 |
| Dec. 1 | 15.33 | | | | | | |

Oakland County

City of Bloomfield Hills

423427N0831521, 1. Local number 2N 10E 22--baab. Formerly 2N 10E 22-1. Cranbrook School. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 6 in, depth 65 ft, screened 58-65. Lsd about 788 ft above msl. MP top of casing, 5.20 ft below lsd. Highest water level 10.4 below lsd, May 27, 1963; lowest 18.9 below lsd, Dec. 7, 1964. Records available: 1950-67. Water levels affected by nearby pumping. Measurements made by Water Dept. Recording gage installed Aug. 16, 1966.

423427N0831521.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|
| Jan. 7, 1963 | 16.5 | Dec. 9, 1963 | 18.2 | Nov. 2, 1964 | 18.8 | Sept. 13, 1965 | 17.3 |
| 14 | 16.7 | 16 | 18.2 | 9 | 18.8 | 20 | 17.4 |
| 21 | 16.7 | 23 | 18.1 | 16 | 18.8 | 27 | 17.5 |
| 28 | 16.8 | 30 | 18.1 | 23 | 18.8 | Oct. 4 | 17.4 |
| Feb. 4 | 16.8 | Jan. 6, 1964 | 18.1 | 30 | 18.8 | 11 | 17.4 |
| 11 | 16.8 | 13 | 18.1 | Dec. 7 | 18.9 | 18 | 17.3 |
| 18 | 16.9 | 20 | 18.2 | 14 | 18.7 | 25 | 17.0 |
| 25 | 16.9 | 27 | 18.2 | 21 | 18.5 | Nov. 1 | 17.1 |
| Mar. 4 | 17.0 | Feb. 3 | 18.0 | 28 | 18.2 | 8 | 17.1 |
| 11 | 16.7 | 10 | 18.0 | Jan. 4, 1965 | 18.1 | 15 | 17.1 |
| 18 | 16.1 | 17 | 18.0 | 11 | 18.1 | 22 | 17.0 |
| 25 | 14.4 | 24 | 18.1 | 18 | 18.0 | 29 | 17.0 |
| Apr. 1 | 13.1 | Mar. 2 | 18.3 | 25 | 18.0 | Dec. 6 | 17.0 |
| 8 | 13.5 | 9 | 18.0 | Feb. 1 | 17.9 | 13 | 17.0 |
| 15 | 14.1 | 16 | 17.7 | 8 | 17.8 | 20 | 17.0 |
| 22 | 14.3 | 23 | 17.7 | 15 | 14.8 | 27 | 15.9 |
| 29 | 14.3 | Apr. 6 | 17.1 | 22 | 14.9 | Jan. 3, 1916 | 15.2 |
| May 6 | 14.6 | 13 | 16.7 | Mar. 1 | 15.5 | 10 | 15.3 |
| 13 | 14.0 | 20 | 16.4 | 8 | 13.7 | 17 | 15.5 |
| 20 | 13.1 | 27 | 16.3 | 15 | 13.1 | 24 | 15.7 |
| 27 | 10.4 | May 4 | 15.8 | 22 | 13.0 | Feb. 7 | 16.0 |
| June 3 | 14.2 | 11 | 15.6 | 29 | 13.7 | 14 | 15.8 |
| 10 | 13.6 | 18 | 15.6 | Apr. 5 | 11.7 | 21 | 15.8 |
| 17 | 12.6 | 25 | 16.0 | 12 | 11.4 | 28 | 15.8 |
| 24 | 14.3 | June 1 | 16.4 | 19 | 11.4 | Mar. 7 | 15.7 |
| July 1 | 14.9 | 8 | 16.8 | 26 | 11.3 | 14 | 15.6 |
| 8 | 15.4 | 15 | 17.1 | May 3 | 12.1 | 21 | 15.3 |
| 15 | 15.9 | 22 | 17.0 | 10 | 11.9 | 28 | 15.0 |
| 22 | 15.9 | 29 | 17.6 | 17 | 12.0 | Apr. 4 | 14.7 |
| 29 | 16.3 | July 6 | 17.8 | 24 | 11.9 | 11 | 14.8 |
| Aug. 19 | 17.0 | 13 | 18.0 | June 1 | 13.7 | 18 | 15.0 |
| 26 | 17.1 | 20 | 17.9 | 7 | 13.4 | 25 | 14.7 |
| Sept. 3 | 17.2 | 27 | 18.0 | 14 | 13.9 | May 2 | 14.0 |
| 9 | 17.4 | Aug. 3 | 18.4 | 21 | 14.3 | 9 | 14.0 |
| 16 | 17.5 | 10 | 18.3 | 28 | 15.4 | 16 | 13.0 |
| 23 | 17.6 | 17 | 18.3 | July 6 | 15.6 | 23 | 13.0 |
| 30 | 17.6 | 24 | 18.3 | 12 | 16.0 | 30 | 14.4 |
| Oct. 7 | 17.7 | 31 | 18.2 | 19 | 15.8 | June 6 | 14.6 |
| 14 | 17.8 | Sept. 7 | 18.5 | 26 | 16.1 | 13 | 14.6 |
| 21 | 18.1 | 14 | 18.8 | Aug. 2 | 16.4 | 20 | 14.4 |
| 28 | 18.1 | 21 | 18.8 | 9 | 16.6 | 27 | 15.0 |
| Nov. 4 | 18.2 | 28 | 18.8 | 16 | 16.8 | July 5 | 15.6 |
| 11 | 18.2 | Oct. 5 | 18.9 | 23 | 17.0 | 11 | 16.1 |
| 18 | 18.2 | 12 | 18.9 | 30 | 17.0 | 18 | 16.4 |
| 25 | 18.2 | 19 | 18.9 | Sept. 6 | 17.1 | 25 | 17.0 |
| Dec. 2 | 18.2 | 26 | 18.9 | | | | |

Lowest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | | | | | 16.73 | 17.30 | 17.19 | 16.49 |
| 10 | | | | | | | | | 16.88 | 17.34 | 17.04 | 15.84 |
| 15 | | | | | | | | | 17.04 | 17.33 | 16.72 | 14.87 |
| 20 | | | | | | | | 16.57 | 17.15 | 17.22 | 16.64 | 14.66 |
| 25 | | | | | | | | 16.39 | 17.13 | 17.17 | 16.66 | 14.61 |
| Eom | | | | | | | | 16.58 | 17.14 | 17.23 | 16.63 | 14.80 |

1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.92 | 14.61 | ..... | 11.07 | 11.47 | 13.73 | 12.61 | 13.46 | 14.11 | 15.02 | 13.42 | 11.86 |
| 10 | 15.08 | 14.70 | ..... | 11.21 | 11.70 | 13.39 | 13.01 | 13.47 | 14.34 | 15.07 | 12.92 | 11.82 |
| 15 | 15.08 | 14.74 | ..... | 11.19 | 11.86 | 12.82 | 13.33 | 13.75 | 14.60 | 15.00 | 12.36 | 11.62 |
| 20 | 15.23 | 14.63 | ..... | 11.23 | 12.35 | 13.02 | 13.42 | 14.11 | 14.82 | 14.58 | 12.12 | 11.57 |
| 25 | 15.16 | 14.73 | ..... | 11.30 | 13.46 | 12.90 | 13.56 | 14.15 | 14.90 | 13.93 | 11.93 | 11.20 |
| Eom | 15.66 | 14.71 | 11.28 | 11.34 | 13.46 | 12.58 | 13.84 | 14.12 | 14.97 | 13.76 | 11.90 | 11.22 |

City of Pontiac

423749N0831757.1. Local number 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 131.0 below lsd, July 26, 1963. Records available: 1939-63. Water levels affected by regional pumping. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|--------|-------|--------|-------|--------|-------|-------|--------|-------|-------|-------|
| 5 | 123.6 | 124.1 | 125.3 | 125.7 | 126.2 | 128.8 | 129.5 | 129.3 | 112.7 | ..... | ..... | ..... |
| 10 | 124.2 | e124.0 | 125.3 | 125.7 | 126.9 | ..... | 130.0 | 128.4 | 110.7 | ..... | ..... | ..... |
| 15 | 123.9 | e124.1 | 125.7 | ..... | 127.6 | ..... | 129.0 | 123.0 | 109.1 | ..... | ..... | ..... |
| 20 | 123.0 | 124.1 | 125.2 | 125.7 | ..... | 129.5 | 129.4 | 119.7 | 107.2 | ..... | ..... | ..... |
| 25 | 123.9 | 124.8 | 125.0 | 126.1 | ..... | e129.6 | 130.9 | 117.5 | 105.8 | ..... | ..... | ..... |
| Eom | 124.2 | 124.9 | 125.9 | e126.2 | 128.0 | 130.2 | 130.6 | 114.6 | e103.3 | ..... | ..... | ..... |

e Estimated.

Ogemaw CountyKlackung Township

442515N084093g. 1. Local number 23N 2E 2-baba. Formerly 23N 2E 2-1. Charles Hudson. Dug unused water-table well in deposits of Pleistocene age, size 36 x 48 in, depth 6 ft, plank to open bottom. Lsd 1,230 ft above msl. 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: 1951-67. Recording gage removed Dec. 21, 1964. Publication discontinued in series of U.S. Geological Survey water-supply papers.

Water level at 2 a.m., from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | e2.88 | .... | .... | 1.98 | 1.48 | 1.34 | 1.55 | 1.80 | 2.06 | 2.36 | 2.98 | 3.39 |
| 10 | | | | 1.72 | 1.50 | .... | 1.62 | 1.86 | 2.10 | .... | 3.11 | 3.34 |
| 15 | | | | 1.62 | 1.38 | .... | 1.64 | 1.88 | 2.31 | .... | 3.11 | 3.33 |
| 20 | | | | 1.55 | 1.35 | 1.41 | 1.59 | 1.90 | 2.31 | 2.79 | 3.12 | 3.34 |
| 25 | | | | 1.51 | 1.32 | 1.48 | 1.67 | 1.99 | 2.31 | 2.88 | 3.02 | 3.34 |
| Eom | | | 2.09 | 1.51 | 1.31 | 1.51 | 1.76 | 2.04 | 2.31 | 2.91 | 3.11 | .... |

1964

| | | | | | | | | | | | | |
|-----|------|-------|-------|------|-------|------|-------|------|------|------|-------|-------|
| 5 | 3.74 | 4.07 | .... | 3.87 | 3.26 | 2.35 | .... | 3.11 | 3.71 | .... | 3.62 | e3.24 |
| 10 | 3.83 | 4.14 | .... | 3.53 | .... | 2.29 | .... | 3.29 | 3.77 | .... | 3.74 | e2.95 |
| 15 | 3.90 | e4.18 | .... | 3.43 | .... | 2.36 | .... | 3.26 | 3.81 | 3.75 | 3.81 | .... |
| 20 | 3.96 | .... | e3.95 | 3.27 | e2.45 | 2.45 | e2.92 | 3.40 | 3.91 | 3.87 | 3.76 | e2.95 |
| 25 | 3.81 | .... | 3.91 | 3.28 | 2.44 | .... | 3.00 | 3.41 | 3.53 | 3.75 | e3.86 | e2.79 |
| Eom | 3.97 | .... | 3.90 | 3.24 | 2.39 | .... | 3.16 | 3.61 | 3.59 | 3.90 | e3.25 | e2.81 |

e Estimated.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Feb. 15, 1965 | 2.96 | Nov. 19, 1965 | 1.76 | July 29, 1966 | 2.37 | Apr. 5, 1967 | 1.56 |
| Mar. 8 | 2.44 | Dec. 24 | 1.51 | Aug. 26 | 2.70 | 28 | 1.06 |
| Apr. 14 | 1.25 | Jan. 3, 1966 | 1.42 | Sept. 25 | 3.25 | May 25 | 1.04 |
| May 13 | 1.18 | 11 | 1.43 | Oct. 21 | 3.52 | June 23 | 1.06 |
| June 8 | 1.18 | Feb. 8 | 1.38 | Nov. 9 | 3.34 | July 21 | 1.25 |
| July 15 | 1.65 | Mar. 3 | 1.54 | 18 | 3.33 | Aug. 24 | 1.68 |
| Aug. 23 | 2.20 | Apr. 13 | 1.42 | Dec. 16 | 3.15 | Sept. 24 | 2.13 |
| Sept. 1 | 2.20 | May 13 | 1.34 | Jan. 5, 1967 | 1.71 | Oct. 22 | 2.38 |
| 18 | 2.04 | June 10 | 1.50 | Feb. 13 | 2.02 | Nov. 14 | 2.31 |
| 25 | 1.93 | July 1 | 1.73 | Mar. 14 | 2.15 | Dec. 17 | 2.15 |
| Oct. 22 | 1.57 | | | | | | |

Presque Isle CountyAllis Township

451307N084134g. 1. Local number 33N 2E 30-dach. Formerly 33N 2E 30-1. State Dept. of Natural Resources. Jetted observation water-table well in deposits of Pleistocene age, diam 2 in, depth 14 ft, open bottom. Lsd about 800 ft above msl. 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, 1948-67.

| | | | | | | | |
|---------------|------|---------------|------|--------------|------|---------------|------|
| Apr. 8, 1963 | 3.87 | July 13, 1964 | 4.08 | Oct. 5, 1965 | 2.80 | Dec. 19, 1966 | 4.28 |
| July 11 | 3.26 | Oct. 5 | 4.98 | Dec. 14 | 3.55 | Apr. 17, 1967 | 2.52 |
| Sept. 17 | 3.91 | Dec. 2 | 5.32 | Apr. 5, 1966 | 2.99 | July 11 | 1.64 |
| Dec. 13 | 4.76 | Apr. 13, 1965 | 4.67 | July 11 | 3.50 | Oct. 9 | 3.11 |
| Apr. 13, 1964 | 4.71 | July 13 | 2.85 | Oct. 18 | 5.22 | Dec. 11 | 3.48 |

Roscommon CountyHiggins Township

442756N084350g. 1. Local number 24N 2W 20-baba. Formerly 24N 2W 20-1. State Dept. of Natural Resources. 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, 2.50 ft above lsd. Highest water level 2.74 below lsd, Apr. 28, 1967; lowest 6.23 below lsd, Dec. 6-11, 1949. Records available: 1934-67. Federal key well.

Water level at 2 a.m., from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 5.27 | 5.37 | 5.48 | 4.03 | 4.07 | 3.68 | 3.90 | 4.26 | 4.60 | 4.95 | 5.14 | 5.10 |
| 10 | 5.29 | 5.39 | 5.50 | 4.08 | 4.02 | 3.28 | 4.07 | 4.38 | 4.66 | 4.98 | 5.16 | 5.15 |
| 15 | 5.31 | 5.41 | 5.51 | 4.14 | 3.64 | 3.47 | 4.18 | 4.43 | 4.73 | 5.02 | 5.16 | 5.19 |
| 20 | 5.31 | 5.43 | 5.45 | 4.12 | 3.73 | 3.59 | 3.88 | 4.41 | 4.81 | 5.07 | 5.16 | 5.21 |
| 25 | 5.33 | 5.46 | 5.32 | 4.21 | 3.81 | 3.73 | 3.95 | 4.51 | 4.87 | 5.10 | 5.05 | 5.24 |
| Eom | 5.35 | 5.46 | 4.20 | 4.22 | 3.89 | 3.77 | 4.15 | 4.54 | 4.89 | 5.13 | 5.03 | 5.28 |

1964

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 5.30 | 5.19 | 5.27 | 5.19 | 4.65 | 4.58 | 5.23 | 5.52 | 5.91 | 5.67 | 5.79 | 5.42 |
| 10 | 5.32 | 5.26 | 5.26 | 4.87 | 4.46 | 4.58 | 5.33 | 5.65 | 5.95 | 5.69 | 5.77 | 5.41 |
| 15 | 5.35 | 5.31 | 5.20 | 4.79 | 4.40 | 4.74 | 5.32 | 5.69 | 5.93 | 5.72 | 5.77 | 5.37 |
| 20 | 5.37 | 5.36 | 5.22 | 4.76 | 4.40 | 4.83 | 5.41 | 5.75 | 5.96 | 5.76 | 5.68 | 5.37 |
| 25 | 5.05 | 5.39 | 5.20 | 4.70 | 4.45 | 4.94 | 5.48 | 5.78 | 5.67 | 5.78 | 5.66 | 5.32 |
| Eom | 5.14 | 5.43 | 5.18 | 4.66 | 4.50 | 5.11 | 5.59 | 5.85 | 5.63 | 5.82 | 5.53 | 5.35 |

442756N0843502, 1--Continued.

| 1965 | | | | | | | | | | | | |
|------|------|------|------|------|------|-------|-------|-------|-------|------|-------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 5.37 | 5.52 | 5.20 | 5.34 | 3.70 | 3.99 | 4.49 | 5.13 | 5.09 | 4.31 | 4.20 | 3.98 |
| 10 | 5.30 | 5.37 | 5.16 | 5.00 | 3.60 | 4.08 | 4.55 | 4.95 | 4.92 | 4.24 | 4.22 | 4.03 |
| 15 | 5.35 | 5.34 | 5.23 | 4.20 | 3.57 | 4.20 | 4.69 | 5.11 | 4.81 | 4.20 | 4.19 | 3.88 |
| 20 | 5.39 | 5.41 | 5.30 | 3.89 | 3.70 | 4.30 | 4.79 | 5.02 | 4.71 | 4.18 | 4.21 | 3.82 |
| 25 | 5.44 | 5.48 | 5.37 | 3.72 | 3.78 | 4.27 | 4.90 | 5.11 | 4.43 | 4.16 | 4.24 | 3.80 |
| Eom | 5.48 | 5.52 | 5.44 | 3.65 | 3.90 | 4.40 | 5.05 | 5.07 | 4.34 | 4.14 | e4.01 | 3.78 |
| 1966 | | | | | | | | | | | | |
| 5 | 3.77 | 4.14 | 4.05 | 3.75 | 3.57 | 3.99 | 4.58 | 5.14 | 5.35 | 5.60 | 5.63 | .... |
| 10 | 3.79 | 4.18 | 4.21 | 3.79 | 3.61 | 4.05 | 4.71 | 5.14 | 5.42 | 5.61 | 5.51 | .... |
| 15 | 3.82 | 3.96 | 3.90 | 3.79 | 3.63 | 4.13 | 4.81 | 5.19 | 5.46 | 5.61 | 5.45 | .... |
| 20 | 3.89 | 4.06 | 3.94 | 3.81 | 3.69 | 4.22 | 4.91 | 5.25 | 5.52 | 5.54 | 5.47 | .... |
| 25 | 3.96 | 4.14 | 3.73 | 3.58 | 3.78 | 4.35 | 5.03 | 5.26 | 5.55 | 5.58 | 5.50 | .... |
| Eom | 4.06 | 4.18 | 3.70 | 3.57 | 3.91 | e4.45 | 5.08 | 5.35 | 5.58 | 5.61 | 4.70 | 4.14 |
| 1967 | | | | | | | | | | | | |
| 5 | 4.22 | 4.42 | 4.62 | 3.45 | 2.83 | 3.35 | 3.44 | e3.94 | e4.47 | .... | 4.31 | 4.21 |
| 10 | 4.29 | 4.44 | 4.67 | 3.27 | 2.90 | 3.32 | 3.54 | e4.04 | e4.54 | .... | 4.25 | 4.18 |
| 15 | 4.35 | 4.50 | 4.58 | 3.12 | 2.96 | 3.09 | 3.60 | e4.14 | e4.61 | .... | 4.23 | 4.03 |
| 20 | 4.41 | 4.54 | 4.65 | 3.02 | 3.06 | 3.14 | 3.55 | e4.23 | e4.68 | 4.67 | 4.23 | 3.99 |
| 25 | 4.33 | 4.58 | 4.60 | 2.76 | 3.15 | 3.24 | 3.70 | e4.33 | e4.75 | 4.69 | 4.20 | 3.96 |
| Eom | 4.46 | 4.59 | 4.05 | 2.74 | 3.26 | 3.32 | e3.84 | e4.40 | e4.76 | 4.73 | 4.20 | .... |

e Estimated.

Saginaw County

Chesaning Township

431055N0840715.1. Local number 9N 3E 16-bddd. Formerly 9N 3E 16-2. Ray Ellis. Liberty St. Drilled unused artesian well in Saginaw Formation of Pennsylvanian age, diam 3 in, depth 129 ft. Lsd 643 ft above msl. MP top of casing, 1.0 ft above lsd. Highest water level 26.28 below lsd, Dec. 13, 1966; lowest 53.84 below lsd, Sept. 8, 1959. Records available: 1958-67. Water levels affected by regional pumping. EOM from weekly tape measurements.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Apr. 15, 1958 | 40.15 | Nov. 1, 1960 | 44.44 | Mar. 26, 1963 | 37.04 | Aug. 31, 1965 | 41.26 |
| May 31 | 47.19 | 29 | 45.88 | Apr. 30 | 35.13 | Sept. 28 | 35.84 |
| June 29 | 49.04 | Dec. 27 | 47.79 | May 28 | 35.19 | Nov. 2 | 35.66 |
| July 27 | 51.94 | Jan. 31, 1961 | 48.22 | July 2 | 40.07 | 30 | 34.76 |
| Sept. 1 | 51.06 | Feb. 28 | 48.37 | 30 | 39.09 | Dec. 28 | 33.39 |
| 27 | 47.17 | Mar. 28 | 52.29 | Sept. 3 | 38.96 | Feb. 1, 1966 | 31.97 |
| Oct. 27 | 43.87 | May 2 | 53.62 | Oct. 1 | 37.62 | Mar. 1 | 34.03 |
| Dec. 2 | 43.66 | 30 | 52.68 | 29 | 36.80 | 29 | 33.02 |
| 29 | 44.71 | June 27 | 52.50 | Nov. 26 | 34.21 | May 3 | 33.72 |
| Jan. 27, 1959 | 35.41 | Aug. 1 | 51.63 | Dec. 31 | 35.14 | 31 | 36.79 |
| Feb. 24 | 41.88 | 29 | 50.42 | Jan. 28, 1964 | 34.14 | June 28 | 39.10 |
| Apr. 1 | 41.51 | Oct. 3 | 47.86 | Mar. 3 | 33.49 | Aug. 2 | 35.69 |
| 28 | 43.56 | 31 | 42.42 | 31 | 31.38 | 30 | 36.87 |
| June 2 | 52.39 | Nov. 28 | 37.68 | Apr. 28 | 32.64 | Sept. 27 | 32.73 |
| 30 | 53.61 | Dec. 26 | 39.21 | June 2 | 34.30 | Nov. 1 | 29.35 |
| July 28 | 52.62 | Jan. 30, 1962 | 39.43 | 30 | 35.60 | 29 | 27.61 |
| Sept. 1 | 53.62 | Feb. 27 | 44.14 | July 28 | 35.66 | Dec. 27 | 28.14 |
| 30 | 51.90 | Apr. 3 | 44.88 | Sept. 1 | 37.63 | Jan. 31, 1967 | 27.58 |
| Nov. 3 | 46.70 | May 1 | 41.76 | 29 | 37.06 | Feb. 28 | 27.52 |
| Dec. 1 | 44.92 | 29 | 47.94 | Oct. 27 | 36.28 | Mar. 28 | 26.96 |
| 29 | 47.94 | July 3 | 45.22 | Dec. 1 | 35.38 | May 2 | 29.32 |
| Feb. 2, 1960 | 45.05 | 31 | 44.34 | 29 | 36.61 | 30 | 33.71 |
| Mar. 1 | 49.81 | Aug. 28 | 50.19 | Feb. 2, 1965 | 35.67 | July 4 | 37.48 |
| 29 | 50.11 | Oct. 2 | 45.73 | Mar. 2 | 37.33 | 28 | 38.53 |
| May 3 | 50.03 | 30 | 44.99 | 30 | 37.55 | Aug. 29 | 38.27 |
| 31 | 51.66 | Nov. 27 | 44.76 | Apr. 27 | 37.67 | Sept. 26 | 37.86 |
| June 28 | 50.89 | Dec. 25 | 45.05 | June 1 | 40.08 | Oct. 31 | 34.96 |
| Aug. 2 | 50.14 | Jan. 29, 1963 | 38.73 | 29 | 42.21 | Nov. 28 | 33.08 |
| 30 | 51.95 | Feb. 26 | 34.46 | Aug. 3 | 39.97 | Dec. 26 | 31.03 |
| Sept. 27 | 49.19 | | | | | | |

Sanilac County

Moore Township

432508N0825545.1. Local number 12N 13E 33-dddd. Formerly 12N 13E 33-1. State Highway Dept. Driven unused artesian well in lower part of the Marshall Formation, diam 3 in, depth 150 ft, cased to 53. Lsd about 800 ft above msl. MP top of 1½-in pipe extension, 1.00 ft above lsd. Highest water level 15.45 below lsd, Apr. 25, 1951; lowest 25.64 below lsd, Jan. 6, 1965. Records available: 1948-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 2, 1963 | 19.66 | Feb. 27, 1963 | 20.44 | Apr. 24, 1963 | 18.94 | June 19, 1963 | 19.05 |
| 9 | 19.57 | Mar. 6 | 20.10 | May 1 | 18.68 | 26 | 19.25 |
| 16 | 19.79 | 13 | 20.03 | 8 | 18.51 | July 3 | 19.55 |
| 23 | 19.70 | 20 | 19.20 | 15 | 18.76 | 10 | 19.75 |
| 30 | 19.85 | 27 | 18.65 | 22 | 18.77 | 17 | 20.20 |
| Feb. 7 | 19.76 | Apr. 3 | 18.58 | 29 | 19.04 | 24 | 20.27 |
| 13 | 19.99 | 10 | 18.39 | June 5 | 19.01 | 31 | 20.55 |
| 20 | 20.07 | 17 | 18.49 | 12 | 18.98 | Aug. 7 | 20.82 |

432508N0825545_1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Aug. 14, 1963 | 21.06 | Sept. 23, 1964 | 24.58 | Oct. 27, 1965 | 24.59 | Nov. 30, 1966 | 23.78 |
| 21 | 21.20 | 30 | 24.68 | Nov. 3 | 24.56 | Dec. 7 | 23.53 |
| Sept. 4 | 21.70 | Oct. 7 | 24.78 | 10 | 24.79 | 14 | 22.80 |
| 11 | 22.00 | 14 | 24.90 | 17 | 24.69 | 22 | 22.75 |
| 18 | 22.34 | 21 | 24.78 | 24 | 24.96 | 29 | 22.40 |
| 25 | 22.46 | 28 | 25.13 | Dec. 1 | 24.88 | Jan. 5, 1967 | 21.40 |
| Oct. 2 | 22.70 | Nov. 4 | 25.46 | 8 | 24.86 | 11 | 21.35 |
| 9 | 22.98 | 11 | 25.23 | 15 | 24.76 | 19 | 21.30 |
| 16 | 23.15 | 18 | 25.35 | 22 | 24.70 | 25 | 20.85 |
| 23 | 23.40 | 25 | 25.26 | 29 | 24.21 | Feb. 1 | 20.20 |
| 30 | 23.48 | Dec. 3 | 25.41 | Jan. 5, 1966 | 23.48 | 15 | 19.65 |
| Nov. 6 | 23.56 | 9 | 25.55 | 12 | 23.16 | 22 | 19.47 |
| 13 | 23.70 | 16 | 25.40 | 19 | 23.06 | Mar. 1 | 19.67 |
| 20 | 23.80 | 23 | 25.38 | 26 | 22.90 | 8 | 19.72 |
| 27 | 23.83 | 30 | 25.58 | Feb. 2 | 22.83 | 15 | 19.36 |
| Dec. 4 | 23.99 | Jan. 6, 1965 | 25.64 | 9 | 22.80 | 22 | 18.65 |
| 11 | 24.00 | 13 | 25.48 | 16 | 22.00 | 29 | 18.00 |
| 18 | 24.00 | 20 | 25.23 | 23 | 21.95 | Apr. 5 | 17.58 |
| 25 | 24.17 | 27 | 25.10 | Mar. 2 | 21.60 | 12 | 17.57 |
| Jan. 1, 1964 | 24.29 | Feb. 3 | 25.20 | 9 | 21.17 | 19 | 17.55 |
| 8 | 24.26 | 10 | 24.80 | 16 | 20.49 | 26 | 17.40 |
| 15 | 24.20 | 17 | 24.28 | 23 | 19.80 | May 3 | 17.65 |
| 22 | 24.34 | 24 | 23.95 | 30 | 19.36 | 10 | 17.91 |
| 29 | 24.20 | Mar. 3 | 23.82 | Apr. 6 | 19.13 | 17 | 17.95 |
| Feb. 5 | 23.88 | 10 | 23.43 | 13 | 19.09 | 24 | 18.12 |
| 12 | 23.92 | 17 | 23.05 | 20 | 19.10 | 31 | 18.48 |
| 19 | 23.87 | 24 | 22.95 | 27 | 19.10 | June 7 | 18.78 |
| 26 | 23.94 | 31 | 22.95 | May 4 | 19.15 | 14 | 18.75 |
| Mar. 4 | 23.70 | Apr. 7 | 22.45 | 11 | 19.04 | 21 | 18.15 |
| 11 | 23.67 | 14 | 22.05 | 18 | 18.80 | 28 | 17.60 |
| 18 | 23.46 | 21 | 21.46 | 25 | 18.95 | July 5 | 17.48 |
| 25 | 23.43 | 28 | 21.13 | June 1 | 19.20 | 12 | 17.43 |
| Apr. 1 | 23.50 | May 12 | 20.50 | 8 | 19.47 | 19 | 17.15 |
| 8 | 23.00 | 19 | 20.43 | 15 | 19.59 | 26 | 16.98 |
| 15 | 22.65 | 26 | 20.50 | 22 | 19.50 | Aug. 2 | 17.57 |
| 22 | 22.30 | June 2 | 20.63 | 29 | 20.07 | 9 | 17.03 |
| 29 | 22.11 | 9 | 20.91 | July 6 | 20.24 | 16 | 18.05 |
| May 6 | 21.95 | 16 | 21.20 | 13 | 20.53 | 23 | 18.07 |
| 13 | 21.76 | 23 | 21.20 | 20 | 20.99 | 30 | 18.10 |
| 20 | 21.80 | 30 | 21.60 | 27 | 21.10 | Sept. 6 | 18.49 |
| 27 | 21.90 | July 7 | 21.56 | Aug. 3 | 21.03 | 13 | 18.80 |
| June 3 | 21.86 | 14 | 21.80 | 10 | 21.40 | 20 | 18.85 |
| 10 | 22.07 | 21 | 22.10 | 17 | 21.66 | 27 | 18.90 |
| 17 | 22.00 | 28 | 22.45 | 24 | 21.63 | Oct. 4 | 19.20 |
| 24 | 22.00 | Aug. 4 | 22.51 | 31 | 22.19 | 11 | 19.20 |
| July 1 | 22.25 | 11 | 22.94 | Sept. 7 | 22.24 | 18 | 19.00 |
| 8 | 22.29 | 18 | 22.97 | 14 | 22.43 | 25 | 18.60 |
| 15 | 22.43 | 25 | 23.18 | 21 | 22.56 | Nov. 1 | 18.18 |
| 22 | 22.87 | Sept. 1 | 23.30 | 28 | 22.78 | 8 | 17.60 |
| 29 | 23.00 | 8 | 23.81 | Oct. 5 | 23.07 | 15 | 17.18 |
| Aug. 5 | 23.25 | 15 | 23.76 | 12 | 23.37 | 22 | 16.75 |
| 12 | 23.25 | 22 | 23.91 | 19 | 23.35 | 29 | 17.05 |
| 19 | 23.63 | 29 | 24.10 | 26 | 23.71 | Dec. 6 | 17.37 |
| 26 | 23.88 | Oct. 6 | 24.19 | Nov. 2 | 23.75 | 13 | 16.98 |
| Sept. 3 | 24.00 | 13 | 24.34 | 16 | 24.00 | 20 | 16.80 |
| 9 | 24.31 | 20 | 24.43 | 23 | 23.90 | 27 | 16.68 |
| 16 | 24.38 | | | | | | |

Schoolcraft County

Germfask Township

461720N0855652.1. Local number 45N 13W 16-coch. Formerly 45N 13W 16-1. U.S. Fish and Wildlife Service. Drilled unused artesian well in limestones of Richmond Stage, Late 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 6.50 below lsd, Oct. 23, 1963. Records available: 1952-67. No measurements made April through July 1966.

Water level at 2 a.m., from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 5.88 | 5.79 | 5.77 | 5.69 | 5.85 | 5.90 | 6.00 | 6.27 | 6.27 | 6.39 | 6.46 | 6.30 |
| 10 | 5.85 | 5.76 | 5.71 | 5.76 | 5.79 | 5.89 | 6.07 | 6.31 | 6.29 | 6.41 | 6.45 | 6.33 |
| 15 | 5.87 | 5.79 | 5.76 | 5.76 | 5.80 | 5.81 | 6.08 | 6.23 | 6.29 | 6.45 | 6.41 | 6.21 |
| 20 | 5.75 | 5.68 | 5.60 | 5.66 | 5.79 | 5.77 | 6.14 | 6.15 | 6.30 | 6.47 | 6.40 | 6.22 |
| 25 | 5.82 | 5.74 | 5.66 | 5.79 | 5.83 | 5.90 | 6.19 | 6.26 | 6.31 | 6.44 | 6.43 | 6.21 |
| From | 5.83 | 5.73 | 5.70 | 5.77 | 5.87 | 5.92 | 6.25 | 6.30 | 6.31 | 6.48 | 6.28 | 6.18 |

461720N0855652.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|------|------|------|-------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 6.12 | 5.94 | 5.85 | 5.26 | 5.20 | 5.25 | 5.57 | 5.64 | 5.62 | 5.57 | 5.51 | 5.36 |
| 10 | 6.05 | 5.98 | 5.82 | 5.20 | 5.05 | 5.20 | 5.61 | 5.68 | 5.64 | 5.54 | 5.41 | 5.31 |
| 15 | 6.07 | 5.94 | 5.74 | 5.21 | 5.23 | 5.25 | 5.61 | 5.64 | 5.60 | 5.50 | 5.43 | 5.39 |
| 20 | 6.01 | 5.93 | 5.82 | 5.29 | 5.18 | 5.29 | 5.67 | 5.67 | 5.64 | 5.52 | 5.46 | 5.20 |
| 25 | 6.00 | 5.90 | 5.79 | 5.28 | 5.13 | 5.33 | 5.59 | 5.61 | 5.51 | 5.53 | 5.40 | 5.24 |
| Eom | 5.98 | 5.91 | 5.32 | 5.18 | 5.22 | 5.53 | 5.65 | 5.62 | 5.58 | 5.56 | 5.37 | .... |
| 1965 | | | | | | | | | | | | |
| 5 | .... | 5.19 | 5.04 | 5.10 | 5.33 | 5.28 | 5.36 | 5.56 | 5.53 | 5.44 | 5.44 | .... |
| 10 | .... | 5.10 | 5.10 | 5.06 | 5.13 | 5.27 | 5.42 | 5.55 | 5.54 | 5.41 | 5.39 | .... |
| 15 | 5.28 | 5.10 | 5.06 | 4.91 | 5.23 | 5.35 | 5.50 | 5.66 | 5.47 | 5.36 | 5.25 | .... |
| 20 | 5.20 | 5.00 | 5.08 | 5.17 | 5.27 | 5.36 | 5.57 | 5.57 | 5.47 | 5.39 | 5.25 | 5.15 |
| 25 | 5.18 | 5.02 | 5.12 | 5.27 | 5.26 | 5.35 | 5.57 | 5.60 | 5.43 | 5.37 | 5.25 | 5.21 |
| Eom | 5.17 | 5.09 | 5.11 | 5.32 | 5.20 | 5.40 | 5.64 | 5.60 | 5.37 | 5.35 | 5.10 | 5.12 |
| 1966 | | | | | | | | | | | | |
| 5 | 5.16 | 5.08 | 4.99 | .... | .... | .... | .... | .... | 5.77 | .... | 5.57 | 5.34 |
| 10 | 5.16 | 5.07 | 5.03 | .... | .... | .... | .... | .... | 5.83 | .... | 5.49 | 5.25 |
| 15 | 5.15 | 5.01 | 4.98 | .... | .... | .... | .... | .... | .... | 5.67 | 5.56 | 5.29 |
| 20 | 5.15 | 4.99 | 5.03 | .... | .... | .... | .... | .... | .... | 5.58 | 5.55 | 5.30 |
| 25 | 5.16 | 5.06 | 5.00 | .... | .... | .... | .... | .... | .... | 5.62 | 5.58 | 5.29 |
| Eom | 5.14 | 5.07 | .... | .... | .... | .... | .... | 5.76 | .... | 5.67 | 5.42 | 5.35 |
| 1967 | | | | | | | | | | | | |
| 5 | 5.33 | 5.02 | 5.00 | 5.04 | .... | 5.43 | 5.44 | 5.59 | 5.70 | 5.91 | 5.67 | 5.60 |
| 10 | 5.30 | 5.10 | 5.03 | 5.03 | e5.27 | 5.46 | 5.54 | 5.59 | 5.80 | 5.90 | 5.67 | 5.58 |
| 15 | 5.22 | 5.05 | 5.09 | 5.07 | 5.23 | 5.38 | 5.50 | 5.63 | 5.84 | 5.93 | 5.62 | 5.52 |
| 20 | .... | 5.09 | 5.08 | 5.17 | 5.22 | 5.37 | 5.58 | 5.69 | 5.90 | 5.77 | 5.62 | 5.59 |
| 25 | e5.07 | 5.02 | 5.02 | 5.19 | 5.29 | 5.34 | 5.60 | 5.64 | 5.90 | .... | 5.58 | 5.61 |
| Eom | 5.12 | 5.07 | 5.01 | .... | 5.35 | 5.43 | 5.54 | 5.71 | 5.90 | .... | 5.63 | 5.55 |

e Estimated.

h Tape measurement.

Washtenaw CountyYork Township

420901N0834304.1. Local number 4S 6E 10-bccc. Formerly 4S 6E 10-1. Ypsilanti State Hospital. Drilled unused artesian well in gravel of Pleistocene age, diam 6 in, depth 173 ft. Lad 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: 1946-67. Water levels affected by nearby pumping. Measurements made by Ypsilanti State Hospital.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 4, 1963 | 72.43 | Dec. 31, 1963 | 64.30 | Oct. 22, 1964 | 74.96 | Sept. 10, 1965 | 76.07 |
| 18 | 73.55 | Jan. 6, 1964 | 74.87 | 28 | 74.88 | 16 | 76.62 |
| 25 | 73.21 | 14 | 74.59 | Nov. 2 | 74.97 | 23 | 77.08 |
| Feb. 1 | 73.35 | 21 | 74.38 | 9 | 74.87 | 30 | 76.10 |
| 14 | 67.37 | 27 | 74.44 | 25 | 74.08 | Oct. 8 | 77.33 |
| 21 | 65.46 | Feb. 3 | 74.47 | 8 | 73.66 | 14 | 76.98 |
| 28 | 64.38 | 11 | 73.97 | 14 | 73.40 | 28 | 77.75 |
| Mar. 21 | 64.05 | 17 | 66.10 | 23 | 73.10 | Nov. 4 | 77.68 |
| 28 | 63.89 | 24 | 73.44 | 29 | 72.88 | 12 | 77.25 |
| Apr. 12 | 63.37 | Mar. 2 | 74.02 | Jan. 4, 1965 | 73.12 | 18 | 76.98 |
| 18 | 69.87 | 11 | 73.48 | 13 | 72.77 | Dec. 2 | 76.43 |
| 25 | 72.91 | 16 | 73.32 | 19 | 73.04 | 10 | 75.64 |
| May 1 | 70.27 | 22 | 73.48 | Feb. 8 | 70.10 | 22 | 75.42 |
| 13 | 70.48 | 30 | 73.42 | 16 | 72.08 | 30 | 74.92 |
| 20 | 59.24 | Apr. 6 | 73.48 | 23 | 71.84 | Jan. 6, 1966 | 75.40 |
| 28 | 59.43 | 14 | 73.05 | Mar. 5 | 71.00 | 13 | 74.21 |
| June 12 | 71.07 | 22 | 72.88 | 10 | 71.48 | 28 | 73.55 |
| 26 | 73.75 | May 1 | 72.82 | 18 | 71.40 | Feb. 3 | 73.54 |
| July 8 | 80.34 | 7 | 73.07 | 25 | 70.29 | 11 | 73.33 |
| 15 | 75.13 | 13 | 72.59 | Apr. 2 | 71.30 | 18 | 73.17 |
| 23 | 71.89 | 22 | 72.50 | 9 | 71.48 | 24 | 73.20 |
| Aug. 2 | 71.93 | June 1 | 72.56 | 18 | 71.39 | Mar. 3 | 72.76 |
| 26 | 72.59 | 8 | 72.46 | 29 | 71.39 | 18 | 72.40 |
| Sept. 9 | 65.83 | 16 | 72.82 | May 6 | 71.33 | 31 | 71.89 |
| 16 | 65.95 | 24 | 72.84 | 13 | 71.66 | Apr. 7 | 70.24 |
| 23 | 76.50 | July 8 | 73.48 | 19 | 72.10 | 14 | 71.94 |
| 30 | 76.37 | 22 | 74.27 | 27 | 71.78 | 22 | 71.94 |
| Oct. 7 | 69.40 | 28 | 74.48 | June 5 | 72.10 | 28 | 71.60 |
| 14 | 76.38 | Aug. 3 | 73.66 | 10 | 71.97 | May 13 | 70.29 |
| 23 | 76.24 | 10 | 75.04 | 17 | 72.05 | 20 | 71.00 |
| 28 | 75.88 | 17 | 75.67 | 24 | 71.60 | 26 | 70.82 |
| Nov. 4 | 67.90 | 27 | 75.54 | July 1 | 72.40 | June 2 | 71.57 |
| 11 | 68.48 | Sept. 1 | 75.67 | 20 | 73.22 | 10 | 70.14 |
| 18 | 75.79 | 9 | 75.53 | 29 | 72.44 | 16 | 72.21 |
| 26 | 75.98 | 17 | 75.81 | Aug. 4 | 73.77 | 23 | 71.43 |
| Dec. 3 | 75.87 | 24 | 75.66 | 12 | 73.98 | July 14 | 73.27 |
| 9 | 75.50 | Oct. 1 | 75.85 | 19 | 73.98 | 21 | 72.90 |
| 16 | 75.70 | 6 | 75.70 | 26 | 74.58 | 28 | 72.98 |
| 23 | 75.45 | 12 | 75.54 | Sept. 2 | 75.31 | Aug. 4 | 73.52 |

420901N0834304.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Aug. 11, 1966 | 73.71 | Dec. 16, 1966 | 71.99 | June 22, 1967 | 68.56 | Sept. 28, 1967 | 69.89 |
| 18 | 73.68 | 22 | 72.08 | 29 | 68.89 | 5 | 69.95 |
| 25 | 73.88 | Jan. 5, 1967 | 72.26 | July 6 | 69.49 | 13 | 69.94 |
| Sept. 2 | 73.40 | 12 | 71.42 | 13 | 69.49 | 18 | 69.41 |
| 8 | 74.08 | 20 | 71.36 | 27 | 70.11 | 26 | 69.60 |
| 16 | 73.87 | Mar. 30 | 70.56 | Aug. 3 | 69.65 | Nov. 2 | 69.39 |
| 22 | 73.49 | Apr. 26 | 69.62 | 10 | 70.00 | 8 | 69.57 |
| Oct. 5 | 73.86 | May 4 | 69.14 | 17 | 70.10 | 16 | 69.28 |
| 13 | 73.70 | 18 | 68.00 | 24 | 71.12 | 29 | 68.87 |
| 26 | 73.60 | 25 | 67.96 | Sept. 7 | 70.08 | Dec. 7 | 68.18 |
| Nov. 16 | 72.71 | June 8 | 69.84 | 14 | 70.09 | 22 | 68.54 |
| 25 | 72.68 | 15 | 67.92 | 21 | 70.13 | 29 | 68.73 |
| Dec. 8 | 71.49 | | | | | | |

Ypsilanti Township

421226N0833317.1. Local number 3S 7E 24-cadb. Formerly 3S 7E 24-1. Ford Motor Co. 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 21.43 below lsd, Feb. 25, 1967. Records available: 1943-45, 1949-67. Water levels affected by nearby pumping.

| | | | | | | | |
|--------------|-------|--------------|-------|---------------|-------|---------------|-------|
| Jan. 5, 1963 | 20.55 | May 23, 1964 | 17.85 | Aug. 6, 1965 | 17.56 | Oct. 15, 1966 | 19.35 |
| Mar. 16 | 19.33 | June 16 | 17.64 | Sept. 3 | 15.61 | Nov. 12 | 18.96 |
| Apr. 15 | 19.92 | July 15 | 16.64 | Oct. 2 | 16.57 | Dec. 10 | 20.28 |
| May 11 | 17.49 | Aug. 14 | 19.40 | 30 | 18.57 | Feb. 4, 1967 | 20.60 |
| June 1 | 17.50 | Sept. 7 | 17.17 | Nov. 27 | 18.53 | 25 | 21.43 |
| 24 | 19.28 | 26 | 15.82 | Dec. 24 | 19.33 | Mar. 27 | 21.19 |
| July 24 | 17.84 | Oct. 24 | 16.28 | Jan. 15, 1966 | 19.62 | Apr. 15 | 17.94 |
| Aug. 23 | 17.03 | Nov. 21 | 16.83 | Feb. 12 | 18.56 | May 13 | 16.92 |
| Sept. 21 | 17.78 | Dec. 12 | 18.46 | Mar. 12 | 18.15 | June 3 | 17.76 |
| Oct. 17 | 16.83 | Jan. 9, 1965 | 19.45 | Apr. 8 | 15.22 | 27 | 16.52 |
| Nov. 16 | 15.85 | Feb. 6 | 19.32 | May 7 | 15.72 | July 25 | 15.99 |
| Dec. 14 | 15.22 | Mar. 6 | 18.44 | June 4 | 17.96 | Aug. 25 | 18.11 |
| Jan. 4, 1964 | 16.58 | 27 | 19.64 | 22 | 19.37 | Sept. 23 | 16.94 |
| Feb. 1 | 18.30 | Apr. 19 | 19.60 | July 18 | 19.09 | Oct. 14 | 15.71 |
| 29 | 19.87 | May 15 | 17.96 | Aug. 8 | 18.70 | Nov. 4 | 15.78 |
| Mar. 31 | 20.82 | June 12 | 17.66 | Sept. 2 | 17.13 | Dec. 2 | 17.10 |
| Apr. 25 | 19.72 | July 8 | 18.30 | 17 | 18.90 | | |

Wexford County

City of Cadillac

441503N0842422.1. Local number 21N 9W 4-abbc. Formerly 21N 9W 4-1. City of Cadillac. 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. Highest water level 19.99 below lsd, July 6, 1953; lowest 27.59 below lsd, June 30, 1964. Records available: 1949-67. Water levels affected by nearby pumping. No measurements made August through December 1967.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | 24.21 | ..... | ..... | 24.89 | ..... | ..... | ..... | 25.77 | 25.30 | 25.22 | 25.34 |
| 10 | 24.29 | ..... | ..... | 24.82 | ..... | 25.08 | 26.17 | 25.60 | ..... | ..... | 25.28 |
| 15 | 24.28 | ..... | ..... | 24.97 | ..... | ..... | 25.45 | 25.38 | ..... | 25.25 | 25.45 |
| 20 | ..... | ..... | 24.94 | 24.89 | ..... | ..... | 25.42 | 25.32 | 25.29 | 25.20 | 25.48 |
| 25 | ..... | ..... | 24.96 | 24.87 | ..... | ..... | 25.82 | 25.31 | 25.41 | 25.34 | 25.40 |
| Eom | ..... | ..... | 24.90 | ..... | ..... | ..... | 25.92 | 25.28 | 25.26 | 25.33 | 25.36 |
| 1964 | | | | | | | | | | | |
| 5 | ..... | 25.67 | 25.87 | 25.98 | 26.11 | 26.51 | ..... | 26.39 | ..... | 26.01 | 26.03 |
| 10 | 25.65 | 25.82 | 25.90 | 25.98 | ..... | 26.43 | 27.09 | 26.29 | 25.92 | 26.07 | 26.09 |
| 15 | ..... | 25.78 | 25.89 | 26.07 | 26.18 | 26.63 | 26.39 | ..... | 25.99 | 25.97 | 26.13 |
| 20 | 25.63 | 25.86 | 25.92 | 26.00 | 26.23 | 26.76 | 26.41 | ..... | 25.94 | 26.00 | 26.04 |
| 25 | 25.54 | 25.83 | 25.91 | 26.08 | 26.15 | 26.75 | 26.59 | ..... | 26.00 | 26.01 | 26.07 |
| Eom | 25.65 | 25.85 | 25.91 | 26.01 | 26.09 | 27.59 | 26.69 | ..... | 26.07 | 26.05 | 26.20 |
| 1965 | | | | | | | | | | | |
| 5 | 26.33 | 26.59 | ..... | 26.70 | ..... | ..... | 26.17 | 26.26 | 25.55 | 25.39 | 25.19 |
| 10 | 26.37 | 26.47 | ..... | 26.66 | ..... | 26.17 | 26.09 | 25.77 | 25.60 | 25.40 | 25.10 |
| 15 | 26.44 | 26.62 | ..... | ..... | ..... | 26.41 | 26.47 | 26.08 | 25.49 | 25.27 | 25.02 |
| 20 | 26.51 | ..... | ..... | ..... | ..... | 26.50 | 26.14 | 25.76 | 25.46 | 25.23 | ..... |
| 25 | 26.43 | ..... | ..... | ..... | ..... | 25.92 | 26.30 | 25.79 | 25.41 | 25.19 | 25.02 |
| Eom | 26.39 | ..... | ..... | ..... | ..... | 26.25 | 26.46 | 25.60 | 25.40 | 25.10 | 25.08 |
| 1966 | | | | | | | | | | | |
| 5 | ..... | 24.69 | ..... | 24.58 | 24.37 | 25.00 | 25.15 | 25.28 | e24.90 | 24.92 | ..... |
| 10 | 24.77 | 24.61 | 24.75 | 24.63 | 24.41 | 24.73 | 25.08 | 25.06 | 24.95 | 24.82 | 24.94 |
| 15 | 24.85 | 24.60 | 24.71 | 24.51 | 24.28 | 24.86 | 25.25 | 24.99 | 24.85 | 24.81 | 24.94 |
| 20 | 24.77 | 24.69 | 24.67 | 24.52 | 24.33 | 25.34 | 25.28 | 25.10 | 24.96 | 24.86 | 24.88 |
| 25 | 24.80 | 24.76 | 24.69 | 24.49 | 24.79 | 25.27 | 25.15 | 24.80 | 24.84 | 24.94 | 24.87 |
| Eom | 24.72 | 24.77 | 24.53 | 24.41 | 25.05 | 25.46 | 25.31 | e25.15 | 24.89 | 24.78 | 24.93 |

441503N0842422.1--Continued.

| Day | 1967 | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 24.38 | ..... | ..... | 23.94 | 23.54 | ..... | 23.13 | ..... | ..... | ..... | ..... | ..... |
| 10 | 24.31 | ..... | ..... | 23.92 | 23.51 | 23.26 | 23.22 | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | 23.76 | 23.41 | 23.27 | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | | | | 23.77 | 23.38 | 23.22 | | | | | | |
| 25 | 24.28 | | | 23.67 | 23.29 | 22.87 | | | | | | |
| Eom | 24.14 | | | 23.45 | 23.50 | 22.98 | | | | | | |

e Estimated.

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NEW HAMPSHIRE

The observation-well program in New Hampshire was continued during 1963 through 1967 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

The first number shown is the new, national well-numbering system represented by the latitude and longitude coordinates of the well location. Local well numbers, designated by town or city name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

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

Hillshoro County

424705N0712848.1. Local number Nashua 101. Pennichuck Water Works. Dug 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, at times in 1956, 1963-66. Records available: 1955-56, 1958-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 2, 1963 | 11.57 | Feb. 15, 1964 | 12.40 | Mar. 12, 1965 | 16.04 | June 29, 1966 | 15.47 |
| 16 | 12.30 | Mar. 2 | 12.63 | 29 | 15.29 | July 28 | 14.90 |
| 31 | 12.50 | 18 | 9.82 | Apr. 16 | 14.20 | 29 | 15.23 |
| Feb. 18 | 12.85 | 30 | 9.64 | 30 | 12.75 | Aug. 25 | 16.89 |
| 28 | 13.05 | Apr. 14 | 9.37 | May 11 | 11.81 | Sept. 28 | 11.83 |
| Mar. 15 | 12.33 | 30 | 10.19 | 21 | 12.57 | 30 | 11.90 |
| 18 | 11.44 | May 17 | 11.22 | 28 | 12.94 | Oct. 25 | 9.95 |
| Apr. 1 | 7.18 | June 1 | 12.09 | June 30 | 14.73 | Nov. 25 | 10.04 |
| 16 | 8.73 | 29 | 14.55 | July 30 | 16.21 | Dec. 27 | 12.50 |
| May 1 | 10.03 | July 6 | 15.02 | Aug. 30 | 17.96 | Jan. 27, 1967 | 13.00 |
| 29 | 11.48 | 31 | 16.58 | Sept. 29 | (f) | Feb. 7 | 12.81 |
| July 1 | 13.69 | Aug. 24 | 18.36 | Oct. 15 | (f) | 27 | 13.22 |
| 30 | 16.2 | Sept. 1 | (f) | Nov. 2 | (f) | Mar. 30 | 11.74 |
| Aug. 29 | 18.24 | Oct. 22 | (f) | 17 | (f) | Apr. 28 | 7.68 |
| Oct. 1 | (f) | Nov. 5 | (f) | 29 | (f) | May 23 | 9.41 |
| 17 | (f) | 20 | (f) | Dec. 28 | (f) | June 26 | 7.48 |
| 31 | (f) | 30 | (f) | Feb. 1, 1966 | (f) | Aug. 1 | 7.16 |
| Nov. 15 | (f) | Dec. 18 | (f) | 18 | 17.35 | 28 | 11.24 |
| Dec. 2 | 18.28 | 23 | (f) | Mar. 1 | 16.76 | Sept. 28 | 14.11 |
| 31 | 15.66 | Jan. 18, 1965 | (f) | 2 | 16.12 | Oct. 26 | 13.68 |
| Jan. 16, 1964 | 15.62 | Feb. 1 | (f) | 30 | 12.16 | Nov. 24 | 11.46 |
| 20 | 15.70 | 26 | 17.38 | Apr. 26 | 13.19 | Dec. 27 | 10.09 |
| 31 | 13.71 | Mar. 1 | 17.10 | May 26 | 13.61 | | |

f Dry.

Merrimack County

431525N0713458.1. Local number Concord 1. U.S. Geol. Survey. Driven observation water-table well in stratified sand, diam $\frac{3}{4}$ in, depth 11 ft, 2-ft by 1 $\frac{1}{2}$ -in well point. Lsd about 345 ft above msl. MP top of $\frac{3}{4}$ -in steel pipe, 2.80 ft above lsd. Highest water level 0.09 below lsd, Apr. 4, 1960; lowest 7.32 below lsd, Nov. 1, 1965. Records available: 1955-67.

| | | | | | | | |
|--------------|------|--------------|------|---------------|------|---------------|------|
| Jan. 2, 1963 | 2.95 | July 1, 1963 | 3.58 | Dec. 31, 1963 | 4.43 | Aug. 21, 1964 | 5.56 |
| 17 | 3.07 | 29 | 4.67 | Jan. 29, 1964 | 3.34 | Sept. 2 | 5.68 |
| 30 | 3.20 | Aug. 29 | 5.69 | Feb. 12 | 3.43 | Oct. 1 | 6.49 |
| Feb. 19 | 3.30 | Sept. 16 | 6.19 | 28 | 3.73 | 12 | 6.71 |
| 27 | 3.33 | 30 | 5.84 | Mar. 30 | 1.71 | 21 | 6.29 |
| Mar. 19 | 2.71 | Oct. 15 | 6.53 | Apr. 29 | 1.64 | 28 | 6.69 |
| Apr. 1 | .30 | 28 | 6.74 | June 2 | 2.95 | Nov. 18 | 6.94 |
| 15 | 1.49 | Nov. 1 | 6.65 | 23 | 3.65 | 30 | 5.68 |
| May 1 | 1.52 | 14 | 4.57 | 29 | 3.82 | Dec. 15 | 5.90 |
| 28 | 2.20 | Dec. 2 | 4.26 | July 14 | 4.00 | 24 | 6.11 |
| June 3 | 2.48 | 16 | 4.04 | 29 | 4.60 | 31 | 5.07 |

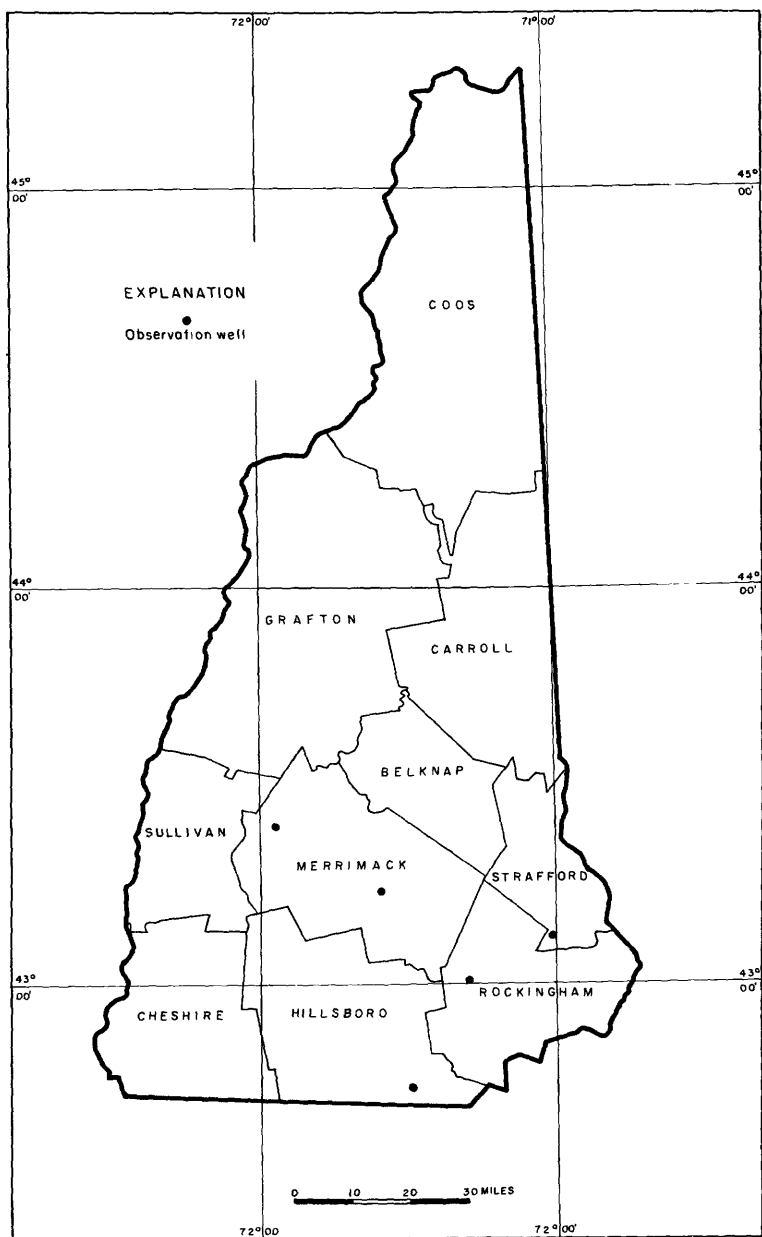


Figure 8.--Location of observation wells in New Hampshire, 1963-67.

431525N0713458, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 6, 1965 | 5.25 | May 29, 1965 | 4.32 | Feb. 10, 1966 | 6.95 | Sept. 6, 1966 | 4.65 |
| 18 | 5.60 | June 17 | 4.67 | 14 | 6.13 | 28 | 4.97 |
| 27 | 5.80 | 30 | 5.11 | 28 | 5.85 | Oct. 25 | 4.47 |
| Feb. 8 | 5.81 | July 13 | 5.68 | Mar. 14 | 4.67 | Nov. 28 | 4.15 |
| 11 | 5.40 | 30 | 6.00 | 16 | 4.68 | Dec. 28 | 4.11 |
| 16 | 5.24 | Aug. 10 | 6.38 | 29 | 3.82 | Jan. 9, 1967 | 4.20 |
| 25 | 5.51 | 31 | 6.89 | Apr. 12 | 3.72 | 30 | 4.08 |
| Mar. 3 | 5.09 | Sept. 15 | 6.88 | 27 | 3.80 | Feb. 28 | 4.51 |
| 11 | 4.40 | 20 | 7.13 | May 13 | 3.65 | Mar. 30 | 3.36 |
| 17 | 4.46 | 30 | 6.25 | 26 | 3.84 | May 1 | 1.67 |
| 26 | 4.51 | Oct. 14 | 6.76 | June 1 | 4.07 | 25 | 1.64 |
| Apr. 2 | 4.48 | Nov. 1 | 7.32 | 8 | 4.21 | June 28 | 2.39 |
| 8 | 4.44 | 17 | 7.29 | 30 | 4.75 | July 31 | 2.63 |
| 15 | 4.07 | Dec. 1 | 6.42 | July 19 | 5.55 | Aug. 29 | 3.58 |
| 26 | 3.69 | 30 | 6.38 | 29 | 5.58 | Sept. 26 | 4.52 |
| 28 | 3.64 | Jan. 26, 1966 | 6.65 | Aug. 9 | 6.14 | Oct. 27 | 4.71 |
| May 4 | 3.70 | Feb. 2 | 6.81 | 25 | 5.00 | Nov. 28 | 4.18 |
| 10 | 3.90 | 3 | 6.84 | 29 | 5.27 | Dec. 27 | 3.48 |
| 21 | 4.16 | | | | | | |

432346N0715709, 1. Local number New London 1. W. S. Mariner. Dug unused water-table well in sandy glacial till, diam 36 in, depth 21 ft, lined with fieldstone to 21. Lsd about 1,020 ft above msl. MP cross chiseled on east side of rock casing, at lsd. Highest water level 0.80 below lsd, Apr. 2, 1963; lowest 16.90 below lsd, Dec. 28, 1964. Records available: 1947-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 8, 1963 | 7.71 | Mar. 29, 1964 | 4.35 | July 27, 1965 | 12.14 | Oct. 26, 1966 | 11.21 |
| Feb. 5 | 9.13 | Apr. 28 | 4.28 | Aug. 27 | 13.52 | Nov. 26 | 8.22 |
| 26 | 9.87 | May 28 | 7.63 | Sept. 21 | 14.62 | Dec. 24 | 7.94 |
| Apr. 2 | 8.80 | June 28 | 10.18 | 27 | 14.70 | Jan. 25, 1967 | 9.46 |
| 28 | 4.72 | July 29 | 12.00 | Oct. 24 | 15.30 | Feb. 28 | 9.52 |
| May 30 | 6.38 | Aug. 30 | 13.52 | Nov. 28 | 15.08 | Mar. 27 | 8.55 |
| June 29 | 9.92 | Sept. 26 | 14.50 | Dec. 27 | 11.86 | Apr. 27 | 3.77 |
| July 29 | 12.26 | Oct. 28 | 15.65 | Jan. 27, 1966 | 10.65 | May 23 | 4.84 |
| Aug. 29 | 13.75 | Nov. 26 | 16.58 | Mar. 1 | 9.28 | June 27 | 7.28 |
| Sept. 28 | 15.00 | Dec. 28 | 16.90 | 28 | 2.68 | July 30 | 9.54 |
| Oct. 27 | 15.92 | Jan. 27, 1965 | 16.42 | Apr. 27 | 5.40 | Aug. 27 | 11.52 |
| Nov. 8 | 16.00 | Feb. 26 | 15.37 | May 26 | 6.05 | Sept. 25 | 12.92 |
| 30 | 13.62 | Mar. 28 | 9.26 | June 27 | 6.70 | Oct. 25 | 14.13 |
| Dec. 29 | 8.36 | Apr. 28 | 5.15 | July 28 | 11.08 | Nov. 26 | 14.96 |
| Jan. 29, 1964 | 5.75 | May 28 | 7.95 | Aug. 24 | 12.40 | Dec. 26 | 13.66 |
| Feb. 26 | 7.77 | June 27 | 10.38 | Sept. 25 | 12.68 | | |

Rockingham County

430100N0712111, 1. Local number Auburn 8. Manchester Water Works. Dug unused water-table well in sandy till, diam 32 in, depth 8 ft, lined with fieldstone 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 in 1957, October, November 1964. Records available: 1942-67.

Water level at noon, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|
| 5 | 1.82 | 1.94 | 2.10 | 1.41 | 2.07 | 2.72 | 4.32 | 5.56 | 6.94 | 7.44 | 7.45 | 2.16 |
| 10 | 1.85 | 1.98 | 1.93 | 1.51 | 2.22 | 2.73 | 3.53 | 5.90 | 7.08 | 7.53 | e5.77 | 1.72 |
| 15 | 1.84 | 2.00 | 1.92 | 1.69 | 2.08 | 2.76 | 4.16 | 6.16 | 7.27 | 7.67 | 4.70 | 1.63 |
| 20 | 1.71 | 1.95 | 1.88 | 1.73 | 2.02 | 3.12 | 4.69 | 6.35 | 7.40 | 7.78 | 4.30 | 1.63 |
| 25 | 1.88 | 2.06 | 1.83 | 1.84 | 2.25 | 3.37 | 5.11 | 6.58 | 7.52 | 7.88 | 3.52 | 1.61 |
| Eom | 1.92 | 2.09 | 1.43 | 1.90 | 2.46 | 3.78 | 5.56 | 6.78 | 7.57 | 7.85 | 2.11 | 1.74 |
| 1964 | | | | | | | | | | | | |
| 5 | 1.74 | 1.63 | 1.60 | 1.58 | 2.02 | 2.98 | 3.99 | 5.93 | 6.95 | (f) | (f) | 7.45 |
| 10 | 1.65 | 1.64 | 1.46 | 1.55 | 2.08 | 2.83 | 4.33 | 6.22 | 7.18 | (f) | (f) | 7.34 |
| 15 | 1.80 | 1.70 | 1.46 | 1.38 | 1.80 | 3.38 | 4.12 | 6.43 | 7.33 | (f) | (f) | 7.15 |
| 20 | 1.82 | 1.73 | 1.58 | 1.71 | 2.18 | 3.83 | 4.82 | 6.61 | 7.51 | (f) | (f) | 6.99 |
| 25 | 1.40 | 1.78 | 1.56 | 1.73 | 2.50 | 4.20 | 5.23 | 6.63 | 7.71 | (f) | (f) | 6.90 |
| Eom | 1.57 | 1.80 | 1.53 | 1.85 | 2.81 | 4.75 | 5.65 | 6.78 | 7.86 | (f) | 7.80 | e4.70 |
| 1965 | | | | | | | | | | | | |
| 5 | 4.30 | 3.27 | 2.05 | 1.79 | 1.72 | 2.16 | 2.92 | 5.10 | 6.42 | 7.15 | 7.38 | 6.58 |
| 10 | 3.97 | 2.45 | 1.68 | 1.79 | 1.89 | 2.01 | 3.23 | 5.42 | 6.64 | 7.10 | 7.48 | 6.51 |
| 15 | 3.65 | 2.31 | 1.69 | 1.70 | 1.94 | 2.02 | 3.40 | 5.64 | 6.70 | 7.00 | 7.52 | 6.49 |
| 20 | 3.65 | 2.25 | 1.68 | 1.50 | 1.92 | 2.42 | 3.45 | 5.89 | 6.74 | 7.00 | 7.49 | 6.38 |
| 25 | 3.47 | e2.24 | 1.70 | 1.55 | 2.09 | 2.75 | 4.03 | 6.02 | 6.90 | 7.17 | 7.40 | 6.38 |
| Eom | 3.27 | 2.18 | 1.73 | 1.58 | 2.25 | e2.80 | 4.70 | 6.27 | 7.06 | 7.28 | 6.90 | 5.65 |
| 1966 | | | | | | | | | | | | |
| 5 | .... | .... | 1.60 | 1.46 | 1.63 | 2.23 | 3.22 | 4.75 | 5.85 | 4.77 | 3.01 | 1.88 |
| 10 | 5.04 | 4.52 | 1.55 | 1.50 | 1.76 | 1.88 | 3.58 | 5.23 | 5.67 | 4.95 | 2.65 | 1.65 |
| 15 | 5.00 | 2.91 | 1.44 | 1.60 | e1.87 | 2.21 | 3.97 | 5.59 | 6.04 | 5.14 | 2.87 | 1.63 |
| 20 | 4.99 | 2.80 | 1.27 | 1.69 | 1.70 | 2.46 | 4.15 | e5.80 | 6.19 | 4.66 | 2.47 | 1.59 |
| 25 | 4.96 | 2.60 | 1.13 | 1.79 | 1.95 | 2.24 | 4.62 | 5.98 | 5.43 | 4.08 | 2.32 | .... |
| Eom | 4.69 | 2.47 | 1.33 | e1.78 | 2.07 | 2.78 | 4.09 | 5.99 | 5.50 | 4.21 | 1.86 | .... |

430021N0711846.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|-------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 1.66 | 1.69 | 1.90 | 1.24 | 1.47 | 1.84 | 1.35 | 2.15 | 2.36 | 2.35 | 2.12 | 1.60 |
| 10 | 1.69 | 1.75 | 1.89 | .98 | 1.25 | 1.86 | 1.98 | 2.24 | 1.80 | 2.42 | .... | 1.69 |
| 15 | 1.71 | 1.83 | 1.67 | 1.27 | 1.23 | 1.94 | 1.98 | 2.37 | 2.45 | 2.45 | 2.47 | 1.46 |
| 20 | e1.67 | 1.88 | 1.77 | 1.18 | 1.48 | 2.00 | 2.00 | 1.55 | 2.65 | 2.42 | 2.30 | .... |
| 25 | 1.63 | 1.85 | 1.77 | 1.32 | 1.54 | 1.74 | 1.70 | 1.94 | 2.62 | 2.55 | 1.70 | 1.55 |
| Eom | 1.70 | 1.88 | 1.51 | 1.46 | 1.57 | 2.01 | 2.19 | 2.10 | 1.65 | 2.58 | 1.57 | 1.62 |

e Estimated.

f Dry.

Strafford County

430715N0710047.1. Local number Lee 1. Mrs. Mildred Carlson. About 200 ft west of center of town of Lee. 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 32.35 below lsd, Nov. 1, 27, 1965. Records available: 1953-67.

| | | | | | | | | | | | |
|-------|----------|-------|-------|----------|-------|-------|----------|-------|-------|----------|-------|
| Jan. | 26, 1963 | 31.06 | Apr. | 27, 1964 | 30.64 | Mar. | 26, 1965 | 31.31 | June | 29, 1966 | 31.34 |
| Mar. | 9 | 31.26 | May | 12 | 30.53 | Apr. | 15 | 31.39 | July | 28 | 31.04 |
| | 27 | 30.46 | June | 3 | 31.12 | | 27 | 31.02 | Aug. | 24 | 31.38 |
| Apr. | 27 | 30.79 | | 28 | 31.39 | May | 27 | 31.25 | Oct. | 1 | 31.96 |
| May | 28 | 30.75 | July | 27 | 31.61 | June | 26 | 31.34 | | 27 | 31.71 |
| June | 28 | 31.20 | Aug. | 29 | 31.70 | July | 27 | 31.63 | Nov. | 25 | 31.31 |
| July | 27 | 31.48 | Sept. | 9 | 31.70 | Aug. | 27 | 31.80 | Dec. | 24 | 31.43 |
| Aug. | 27 | 31.71 | | 25 | 32.15 | Sept. | 20 | 31.87 | Feb. | 5, 1967 | 31.46 |
| Sept. | 27 | 32.29 | Oct. | 12 | 31.52 | | 28 | 32.28 | | 26 | 31.41 |
| Oct. | 25 | 32.20 | | 28 | 31.95 | Oct. | 15 | 31.83 | Mar. | 27 | 31.44 |
| Dec. | 3 | 31.15 | Nov. | 16 | 32.04 | Nov. | 1 | 32.35 | Apr. | 27 | 30.60 |
| | 27 | 31.04 | | 30 | 31.67 | | 27 | 32.35 | May | 23 | 30.70 |
| Jan. | 13, 1964 | 31.00 | Dec. | 7 | 31.75 | Dec. | 28 | 32.02 | June | 26 | 30.90 |
| | 29 | 30.78 | | 28 | 31.84 | Feb. | 3, 1966 | 31.85 | July | 27 | 31.12 |
| Feb. | 10 | 30.87 | Jan. | 6, 1965 | 31.12 | | 15 | 32.08 | Aug. | 28 | 31.26 |
| | 27 | 31.10 | | 18 | 31.30 | Mar. | 2 | 32.00 | Sept. | 26 | 31.50 |
| Mar. | 14 | 30.73 | | 27 | 31.39 | | 28 | 30.69 | Oct. | 25 | 31.55 |
| | 29 | 30.71 | Feb. | 16 | 30.96 | Apr. | 30 | 31.27 | Nov. | 28 | 31.70 |
| Apr. | 12 | 30.62 | | 26 | 30.13 | May | 26 | 31.20 | Dec. | 27 | 31.15 |

Reference

Weigle, James M., and Kranes, Richard, 1966, Records of selected wells, springs, test holes, materials tests, and chemical analyses of water in the lower Merrimack River valley in New Hampshire: New Hampshire basic-data report no. 2, ground-water series: U.S. Geol. Survey open-file rept., 44 p., 1 pl.

NEW JERSEY

The observation-well program in New Jersey, which was continued during the period 1963 through 1967, 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

Wells are numbered according to their latitude-longitude location, as explained elsewhere in this publication. Local well numbers are also given. The local 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 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 (-) signs are below sea level.

Atlantic County

392753N0742701.1. Local number 36.4.7.2.1. U.S. Geol. Survey. Oceanville. Drilled observation artesian well in Kirkwood Formation of Miocene age, diam 8 in, depth 570 ft, screened 560-570, cased with steel. Lsd 27.25 ft above msl. MP top of casing, 2.10 ft above lsd. Highest water level 6.37 below msl, Apr. 13, 1961; lowest 30.65 below msl, Sept. 26, 1966. Records available: 1959-67.

Lowest water level for the day, from recorder graph, 1959

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | -12.75 | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | -13.30 | 12.50 | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.20 | 12.25 | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 13.25 | 12.10 | ..... |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.75 | 11.65 | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.95 | 11.60 | ..... |
| 1960 | | | | | | | | | | | | |
| 5 | ..... | -9.05 | -8.20 | -7.55 | -7.65 | -8.00 | -9.05 | -11.50 | -12.80 | -13.15 | -12.40 | -11.20 |
| 10 | -10.05 | 8.80 | 8.25 | 7.65 | 7.50 | 8.10 | 9.45 | 11.75 | 13.10 | 13.10 | 12.25 | 11.00 |
| 15 | ..... | 8.80 | 8.15 | 7.60 | 7.65 | 8.10 | 9.85 | 12.10 | 13.25 | 13.05 | 12.10 | 10.60 |
| 20 | ..... | 8.75 | 7.90 | 7.65 | 7.80 | 8.35 | 10.35 | 12.25 | 13.25 | 12.85 | 11.80 | 10.50 |
| 25 | ..... | 8.65 | 8.00 | 7.40 | 7.75 | 8.50 | 10.80 | 12.45 | 13.30 | 12.95 | 11.55 | 10.40 |
| Eom | ..... | 8.50 | 7.70 | 7.50 | 7.90 | 8.75 | 11.15 | 12.65 | 13.10 | 12.35 | 11.30 | 10.10 |
| 1961 | | | | | | | | | | | | |
| 5 | -9.90 | -8.70 | -8.10 | -7.30 | -7.35 | -7.55 | -8.50 | -10.60 | -12.95 | -13.85 | -13.05 | -11.65 |
| 10 | 9.85 | 8.55 | 7.85 | 7.35 | 7.30 | 7.55 | 8.75 | 11.20 | 13.20 | 13.80 | 12.80 | 11.60 |
| 15 | 9.55 | 8.50 | 7.65 | 7.10 | 7.25 | 7.70 | 9.10 | 11.65 | 13.45 | 13.60 | 12.60 | 11.35 |
| 20 | 9.10 | 8.50 | 7.70 | 7.20 | 7.20 | 7.85 | 9.45 | 12.00 | 13.60 | 13.50 | 12.40 | 10.75 |
| 25 | 9.30 | 8.25 | 7.50 | 7.15 | 7.25 | 8.00 | 9.75 | 12.35 | 13.60 | 13.00 | 12.00 | 10.55 |
| Eom | 9.05 | 8.25 | 7.40 | 7.20 | 7.40 | 8.20 | 10.15 | 12.65 | 13.90 | 13.10 | 11.90 | 10.55 |
| 1962 | | | | | | | | | | | | |
| 5 | -10.40 | -9.20 | -8.50 | -8.55 | -8.25 | -9.15 | -10.30 | -11.95 | -13.10 | ..... | -13.05 | -11.70 |
| 10 | 10.15 | 9.10 | 7.85 | 8.40 | 8.35 | 9.40 | 10.55 | 11.95 | 13.45 | ..... | 12.90 | 11.60 |
| 15 | 10.05 | 8.90 | 8.10 | 8.30 | 8.50 | 9.45 | 10.80 | 12.30 | ..... | ..... | 12.75 | 11.55 |
| 20 | 9.90 | 8.80 | 8.25 | 8.30 | 8.50 | 9.70 | 11.20 | 12.50 | 13.85 | ..... | 12.45 | 11.40 |
| 25 | 9.65 | 8.75 | 8.25 | 8.30 | 8.65 | 9.90 | 11.45 | 12.75 | ..... | -13.45 | 12.45 | 11.25 |
| Eom | 9.50 | 8.50 | 8.40 | 8.35 | 8.95 | 10.10 | 11.70 | 12.90 | e13.70 | 13.35 | 12.10 | 10.85 |
| 1963 | | | | | | | | | | | | |
| 5 | -10.65 | ..... | -15.65 | -16.75 | -17.70 | -15.10 | -18.95 | -22.20 | -24.45 | -25.00 | -24.80 | -23.65 |
| 10 | 10.40 | -13.95 | 15.90 | 16.80 | 17.55 | ..... | 19.50 | ..... | 24.65 | 25.00 | 24.30 | 23.40 |
| 15 | ..... | 14.65 | 16.15 | 16.80 | 17.10 | ..... | 20.15 | ..... | 24.90 | 25.00 | 24.25 | 23.30 |
| 20 | ..... | 14.80 | 16.05 | 16.95 | 16.85 | ..... | 20.60 | ..... | 24.90 | 24.95 | 24.20 | 23.15 |
| 25 | ..... | 15.25 | 16.45 | 17.20 | 16.40 | ..... | 21.20 | 23.85 | 25.00 | 24.90 | 24.05 | 22.95 |
| Eom | ..... | e15.50 | 16.65 | 17.40 | 15.45 | e18.50 | 21.75 | 24.25 | 24.90 | 24.75 | 23.70 | 23.00 |

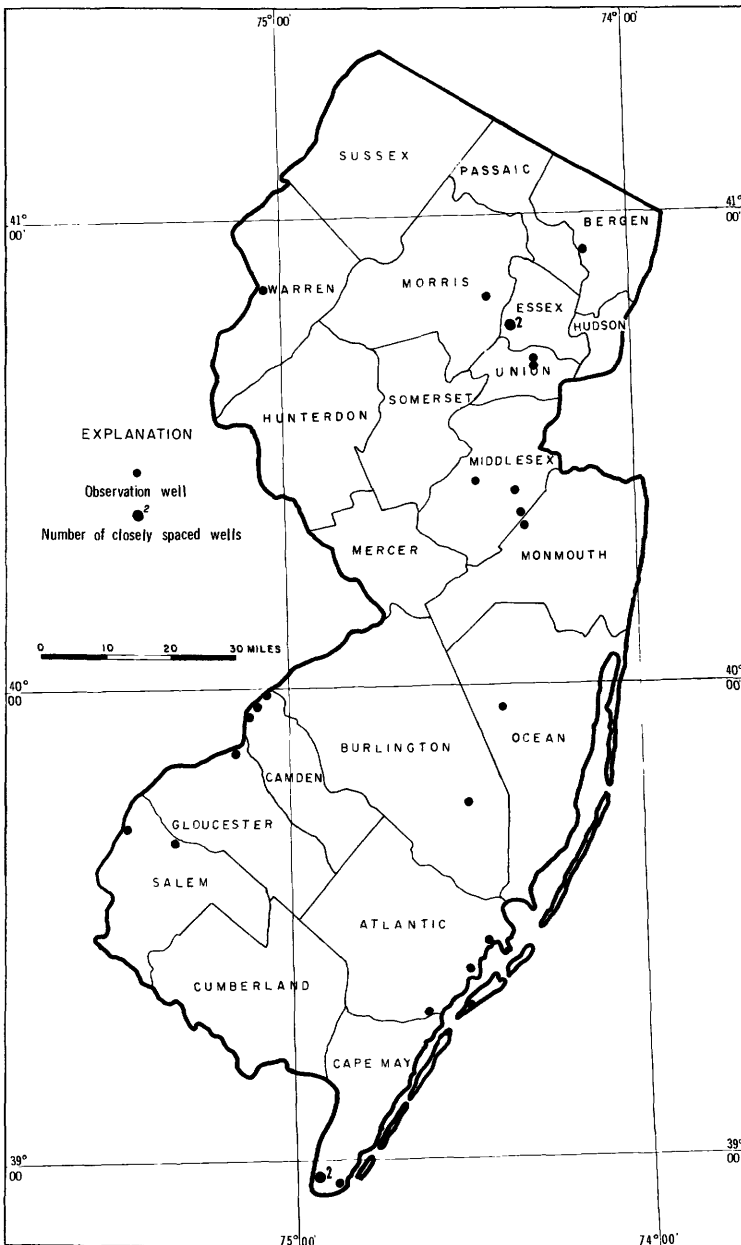


Figure 9.--Location of observation wells in New Jersey, 1963-67.

392753N0742701.1--Continued.

| 1964 | | | | | | | | | | | | |
|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -22.80 | -21.85 | -21.45 | -21.20 | ..... | -21.65 | ..... | ..... | ..... | ..... | -27.25 | -26.25 |
| 10 | 22.55 | 22.05 | 21.45 | 21.00 | ..... | 21.85 | -23.95 | -26.15 | -28.20 | ..... | 27.15 | 26.15 |
| 15 | 22.25 | 21.90 | 21.35 | 20.90 | -20.60 | 22.20 | 24.40 | 26.65 | 28.35 | -28.20 | 27.10 | 25.90 |
| 20 | 22.20 | 21.55 | 21.40 | 20.90 | ..... | ..... | 24.80 | 26.95 | e28.55 | 27.85 | 26.65 | 25.80 |
| 25 | 22.20 | 21.70 | 21.10 | 20.75 | ..... | ..... | 24.95 | 27.20 | ..... | e27.75 | e26.65 | 25.35 |
| Eom | 21.85 | 21.55 | 21.05 | 20.40 | 21.25 | e23.65 | 25.55 | 27.60 | e28.50 | e27.60 | 26.45 | 25.30 |
| 1965 | | | | | | | | | | | | |
| 5 | -25.10 | -24.30 | -23.55 | -23.15 | -22.90 | -23.50 | -25.05 | -27.20 | -29.20 | -29.55 | -29.25 | -27.90 |
| 10 | 24.95 | 24.00 | 23.40 | 22.95 | 22.90 | 23.75 | 25.45 | 27.55 | 29.30 | 29.35 | 28.95 | 27.80 |
| 15 | 24.85 | 23.85 | 23.45 | 22.95 | 22.90 | 24.00 | 25.75 | 27.90 | 29.35 | 29.40 | 28.75 | 27.40 |
| 20 | 24.50 | 23.75 | 23.35 | 22.95 | 22.80 | 24.20 | 26.15 | 28.25 | 29.55 | 29.35 | 28.65 | 27.25 |
| 25 | 24.25 | 23.70 | 23.35 | 23.00 | 22.85 | 24.55 | 26.45 | 28.55 | 29.45 | 29.10 | 28.35 | 27.15 |
| Eom | 24.20 | 23.70 | 23.30 | 22.85 | 23.15 | 24.75 | 26.90 | e29.00 | 29.50 | 29.10 | 28.15 | 26.95 |
| 1966 | | | | | | | | | | | | |
| 5 | -26.80 | -25.50 | -25.15 | -24.50 | -24.70 | -24.50 | -25.55 | -28.20 | -29.75 | -30.45 | -29.75 | -28.70 |
| 10 | 26.50 | 25.50 | 25.20 | 24.55 | 24.65 | 24.65 | 25.95 | 28.50 | 30.15 | 30.45 | 29.50 | 28.40 |
| 15 | 26.30 | 25.50 | 25.05 | 24.50 | 24.70 | 24.80 | 26.40 | 28.85 | 30.20 | 30.40 | 29.30 | 28.10 |
| 20 | 26.15 | 25.40 | 25.00 | 24.60 | 24.40 | 24.95 | 26.80 | 29.15 | 30.50 | 30.10 | 29.20 | 27.90 |
| 25 | 25.80 | 25.15 | 24.90 | 24.60 | 24.15 | 25.15 | 27.35 | 29.25 | 30.55 | 30.00 | 28.95 | 27.65 |
| Eom | 25.70 | 25.30 | 24.65 | 24.65 | 24.25 | 25.30 | 27.85 | 29.60 | 30.45 | 29.80 | 28.60 | 27.60 |
| 1967 | | | | | | | | | | | | |
| 5 | -27.30 | -26.50 | -26.05 | -25.30 | -24.95 | -24.80 | -26.45 | -28.20 | ..... | ..... | -29.05 | -27.20 |
| 10 | 27.30 | 26.25 | 25.85 | 25.10 | 24.75 | 24.85 | 26.85 | 28.50 | ..... | ..... | 29.00 | 27.20 |
| 15 | 27.05 | 26.30 | 25.65 | 25.10 | 24.75 | 25.15 | 27.15 | 28.85 | ..... | ..... | 28.80 | 27.10 |
| 20 | 27.15 | 26.25 | 25.65 | 25.00 | 24.65 | 25.35 | 27.50 | ..... | ..... | ..... | 28.55 | 27.10 |
| 25 | 27.00 | 26.15 | 25.35 | 25.00 | 24.30 | 25.70 | 27.75 | 29.30 | ..... | 29.43 | 27.80 | 26.85 |
| Eom | 26.75 | 26.05 | 25.35 | 24.70 | 24.55 | 26.05 | 28.15 | 29.45 | ..... | 29.40 | 27.50 | 26.65 |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

392436N0743035.1. Local number 36.13.2.9.1. (A.C. 600-ft). Atlantic City Water Dept. Pumping station between Absecon and Pleasantville. Drilled unused artesian well in 800-ft sand in Kirkwood Formation of Miocene age, diam 8 to 6 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 45.98 below msl, Sept. 26, 1966. Records available: 1925-67.

| End-of-day water level, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -21.3 | .... | -27.5 | -28.4 | -29.9 | -27.2 | -31.6 | -35.6 | -38.0 | -38.6 | -38.4 | -37.1 |
| 10 | 21.3 | -25.3 | 27.8 | 28.3 | 29.5 | 27.9 | 32.3 | 36.0 | 38.4 | 38.6 | 38.0 | 37.0 |
| 15 | 21.9 | 26.4 | 27.9 | 28.6 | 29.1 | 29.0 | 33.2 | 36.6 | 38.6 | 38.6 | 37.0 | 36.8 |
| 20 | 22.1 | 26.7 | 27.8 | 28.9 | 28.9 | 29.7 | 33.6 | 36.9 | 38.6 | 38.5 | 37.8 | .... |
| 25 | 22.8 | 27.2 | 28.1 | 29.1 | 28.2 | 30.5 | 34.4 | 37.4 | 38.7 | 38.5 | 37.7 | .... |
| Eom | e23.8 | 27.5 | 28.4 | 29.4 | 27.3 | 31.1 | 35.1 | 37.8 | 38.6 | 38.5 | 37.2 | .... |
| 1964 | | | | | | | | | | | | |
| 5 | -36.2 | .... | -34.7 | -34.5 | .... | -35.4 | e-37.9 | -40.2 | -42.2 | -42.9 | -41.8 | .... |
| 10 | 36.0 | .... | 34.7 | 34.4 | .... | 35.7 | 38.1 | 40.6 | 42.6 | 42.8 | 41.6 | .... |
| 15 | 35.7 | -35.0 | 34.6 | 34.3 | -34.1 | 36.0 | 38.7 | 41.0 | 42.8 | 42.6 | 41.5 | .... |
| 20 | 34.3 | 34.9 | 34.6 | 34.1 | .... | 36.7 | 39.1 | 41.3 | 43.1 | 42.2 | 41.1 | .... |
| 25 | 35.5 | 34.8 | 34.4 | 34.2 | 34.5 | 37.1 | 39.3 | 41.6 | 43.2 | 42.2 | .... | .... |
| Eom | 35.6 | 34.9 | 34.4 | 33.9 | 34.9 | 37.5 | 39.9 | 42.0 | 42.9 | 42.0 | e40.7 | e-39.5 |
| 1965 | | | | | | | | | | | | |
| 5 | -39.2 | -38.2 | -37.3 | .... | -36.6 | -37.6 | -39.5 | -41.7 | -43.9 | -44.2 | -43.5 | -42.2 |
| 10 | 39.0 | 37.9 | 37.3 | -36.7 | 36.7 | 37.9 | 39.9 | 42.1 | 44.0 | 44.0 | 43.3 | 42.1 |
| 15 | 38.9 | 37.8 | 37.3 | 36.5 | 36.8 | 38.2 | 40.2 | 42.5 | 44.0 | 43.9 | 43.1 | 41.7 |
| 20 | .... | 37.7 | 37.1 | 36.6 | .... | 38.6 | 40.6 | 42.9 | 44.3 | e43.7 | 42.9 | 41.5 |
| 25 | .... | .... | 37.2 | 36.5 | 36.8 | 39.0 | 40.9 | 43.2 | 44.1 | e43.6 | 42.6 | 41.2 |
| Eom | e38.3 | e37.5 | 37.0 | 36.5 | 37.2 | 39.0 | 41.3 | 43.6 | 44.2 | e43.6 | 42.5 | 41.2 |
| 1966 | | | | | | | | | | | | |
| 5 | -41.1 | -40.0 | -39.2 | -38.7 | -38.9 | -39.1 | .... | -43.3 | -45.1 | -45.6 | -44.7 | .... |
| 10 | 40.8 | 39.8 | 39.3 | 38.8 | 39.0 | .... | .... | 43.6 | 45.6 | 45.5 | 44.4 | .... |
| 15 | 40.6 | 39.7 | 39.2 | 38.7 | 39.0 | .... | -41.2 | 43.9 | 45.6 | 45.3 | 44.3 | .... |
| 20 | 40.6 | 39.7 | 39.1 | 38.9 | 38.5 | .... | 41.6 | 44.2 | 45.8 | 45.1 | 44.1 | .... |
| 25 | 40.3 | 39.4 | 39.0 | 38.9 | 38.5 | .... | 42.3 | 44.5 | 45.9 | 45.1 | 43.5 | e42.6 |
| Eom | 40.0 | 38.6 | 38.7 | 38.9 | 38.6 | e40.0 | 42.8 | 44.8 | 45.7 | 44.8 | .... | 42.3 |
| 1967 | | | | | | | | | | | | |
| 5 | -42.1 | -41.2 | -40.4 | -39.8 | -39.5 | -39.4 | -41.5 | -43.3 | -44.9 | .... | -44.4 | -42.1 |
| 10 | 42.0 | 40.8 | 40.3 | 39.7 | 39.3 | 39.4 | 41.8 | 43.7 | 45.1 | .... | 44.2 | 39.2 |
| 15 | 41.8 | 40.9 | 40.0 | 39.6 | 39.3 | 39.8 | 42.2 | 44.1 | 45.1 | .... | 43.9 | 41.9 |
| 20 | 41.8 | 40.7 | 40.2 | 39.6 | 39.2 | 40.1 | 42.6 | 44.3 | 45.3 | .... | 43.6 | 41.9 |
| 25 | 41.6 | 40.7 | 39.9 | 39.5 | 38.8 | 40.6 | 43.0 | 44.4 | 45.5 | .... | 42.7 | 41.6 |
| Eom | 41.3 | 40.6 | 39.9 | 39.3 | 39.2 | 41.0 | 43.5 | 44.7 | .... | -44.6 | 42.3 | 41.3 |

e Estimated.

391827N0743710.1. Local number 36.22.2.8.1. U.S. Geol. Survey. Jobs Point. Drilled observation artesian well in Kirkwood Formation of Miocene age, diam 8 in, depth 680 ft, screened 670-680, cased with steel. Lsd 10.0 ft above msl. MP top of casing, 1.6 ft above lsd. Highest water level 19.10 below msl, Apr. 13, 1961; lowest 54.35 below msl, Sept. 7, 1966. Records available: 1959-67.

391827N0743710.1--Continued.

| Average water level for the day, from recorder graph, 1959 | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | -28.35 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | -28.90 | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | e29.50 | e26.00 |
| 1960 | | | | | | | | | | | |
| 5 | -24.10 | -22.55 | -21.35 | -20.80 | -21.80 | -23.55 | -28.70 | -32.90 | -34.80 | -31.00 | -28.20 |
| 10 | 23.60 | 22.05 | 21.30 | 21.00 | 21.80 | 23.70 | 30.00 | 33.45 | 34.95 | 30.45 | 27.85 |
| 15 | 23.10 | 22.70 | 21.25 | 21.05 | 22.25 | 24.60 | 30.85 | 33.55 | 34.20 | 30.15 | 27.30 |
| 20 | 23.65 | 22.75 | 21.25 | 21.35 | 22.80 | 25.30 | 31.65 | 33.35 | 33.10 | 29.75 | 26.75 |
| 25 | 23.00 | 21.60 | 21.35 | 21.15 | 22.75 | 26.60 | 32.80 | 33.90 | 32.25 | e29.30 | 26.50 |
| Eom | 22.40 | 21.80 | 20.85 | 21.60 | 23.35 | 27.80 | 33.10 | 34.70 | 31.55 | 28.20 | 26.30 |
| 1961 | | | | | | | | | | | |
| 5 | -24.60 | -23.05 | ..... | -21.50 | -21.80 | -23.65 | -28.00 | ..... | -36.20 | -33.05 | -29.60 |
| 10 | 24.25 | ..... | -22.10 | 21.25 | 21.85 | 23.80 | 28.75 | e-33.50 | 36.15 | 32.35 | 28.90 |
| 15 | 22.90 | ..... | 21.60 | 21.30 | 21.80 | 24.25 | ..... | 34.70 | 35.80 | 31.70 | 28.55 |
| 20 | 22.85 | ..... | 21.90 | 21.40 | 21.80 | 25.35 | ..... | 35.40 | 34.30 | 30.55 | 27.80 |
| 25 | 23.75 | ..... | 21.70 | 21.35 | 22.30 | 25.80 | ..... | 35.25 | 33.60 | 30.15 | 27.65 |
| Eom | 23.40 | e22.55 | 21.60 | 21.55 | 23.05 | 26.20 | ..... | 35.45 | 33.65 | 29.80 | 27.50 |
| 1962 | | | | | | | | | | | |
| 5 | -25.20 | -23.40 | -22.35 | -23.50 | -23.75 | -27.15 | -30.70 | -34.55 | e-37.55 | -33.45 | -30.25 |
| 10 | 25.20 | 23.30 | 23.05 | 23.45 | 24.45 | 27.90 | 32.30 | 34.75 | 36.85 | 32.50 | 29.25 |
| 15 | 24.70 | 23.15 | 23.65 | 23.10 | 24.70 | 27.90 | 33.20 | 35.30 | 36.50 | 32.40 | 29.25 |
| 20 | 24.50 | 23.35 | 23.20 | 23.05 | 25.30 | 28.55 | 33.65 | 36.00 | ..... | 31.75 | 28.85 |
| 25 | 24.30 | 23.15 | 23.30 | 23.55 | 26.20 | 29.05 | 34.35 | 36.65 | 35.15 | 31.60 | 28.65 |
| Eom | 24.20 | 22.70 | 23.40 | 23.75 | 26.70 | 30.10 | 34.35 | 37.05 | 34.40 | 30.70 | 28.25 |
| 1963 | | | | | | | | | | | |
| 5 | -26.30 | -25.80 | -25.20 | -26.20 | -28.05 | -29.50 | -35.75 | -40.40 | -42.00 | -38.30 | -36.30 |
| 10 | 26.15 | 25.75 | 25.30 | 25.95 | 28.30 | 29.25 | 37.05 | 40.85 | 41.70 | 38.00 | 35.35 |
| 15 | 26.10 | 26.00 | 25.35 | 26.30 | 28.95 | 29.65 | 37.85 | 41.75 | 40.95 | 37.90 | 35.40 |
| 20 | 25.50 | 25.20 | 24.70 | ..... | 29.25 | 30.80 | 38.40 | 42.10 | 40.20 | 37.45 | 34.80 |
| 25 | 25.95 | 25.50 | 25.45 | 27.00 | 29.30 | 32.15 | 39.35 | 42.15 | 39.70 | 37.25 | 34.40 |
| Eom | 25.65 | 25.55 | 25.90 | 27.65 | 29.40 | 34.10 | 40.15 | 42.30 | 38.95 | 37.00 | 33.10 |
| 1964 | | | | | | | | | | | |
| 5 | -31.70 | -30.20 | -28.75 | -28.55 | -29.05 | -33.60 | ..... | ..... | -47.15 | -43.85 | -40.50 |
| 10 | 31.40 | 29.85 | 28.60 | 28.30 | 29.05 | 34.10 | -40.25 | ..... | 47.85 | 43.35 | 40.20 |
| 15 | 30.40 | ..... | 28.60 | 28.25 | 29.35 | ..... | 40.95 | -46.00 | 47.00 | 42.80 | 40.00 |
| 20 | 30.00 | 29.15 | 28.75 | 28.60 | 30.40 | e36.75 | 42.20 | 46.15 | 45.25 | 42.00 | 39.30 |
| 25 | 30.15 | 29.25 | 28.35 | 28.75 | 31.50 | ..... | 42.45 | 46.75 | 44.70 | 41.95 | 39.00 |
| Eom | 30.25 | 28.90 | 28.55 | 28.60 | 33.30 | e38.95 | e43.45 | 47.10 | 44.70 | 41.20 | 38.70 |
| 1965 | | | | | | | | | | | |
| 5 | -36.10 | -35.20 | ..... | ..... | ..... | -39.05 | ..... | -47.45 | -49.45 | -46.20 | -43.65 |
| 10 | 35.75 | 35.00 | ..... | ..... | ..... | 39.50 | -44.10 | 46.00 | 49.60 | 45.20 | 43.05 |
| 15 | 35.65 | 34.80 | ..... | ..... | ..... | 40.40 | 44.20 | 48.80 | 48.75 | 45.00 | 42.40 |
| 20 | 35.65 | e34.95 | ..... | ..... | ..... | 40.20 | 44.85 | 49.80 | 48.15 | 44.65 | 41.90 |
| 25 | 35.20 | ..... | ..... | ..... | ..... | 41.20 | 45.85 | 49.95 | 47.10 | 44.30 | 41.60 |
| Eom | 34.80 | e34.10 | ..... | ..... | -38.45 | 42.30 | 47.05 | 49.80 | 46.55 | 43.95 | 41.50 |
| 1966 | | | | | | | | | | | |
| 5 | -39.05 | -37.60 | -37.60 | -36.65 | -36.95 | -38.55 | -44.90 | -50.20 | -53.50 | -47.95 | -44.65 |
| 10 | 38.30 | 37.85 | 37.75 | 36.85 | e37.30 | 39.10 | 46.00 | 50.50 | 52.65 | 47.15 | 44.00 |
| 15 | 38.25 | ..... | 37.40 | 36.90 | 37.10 | 39.40 | 47.70 | 50.80 | 51.30 | 46.55 | 43.60 |
| 20 | 38.05 | ..... | 37.05 | 36.95 | 37.15 | 39.85 | ..... | 51.30 | 50.50 | 46.30 | 43.35 |
| 25 | 37.85 | ..... | 37.10 | 36.95 | 37.30 | 40.50 | e50.00 | 52.00 | 50.00 | 45.40 | 42.60 |
| Eom | 38.50 | e38.30 | 36.55 | 36.85 | 37.95 | 42.30 | 50.15 | 52.95 | 48.60 | 44.90 | ..... |
| 1967 | | | | | | | | | | | |
| 5 | -40.10 | -38.80 | -37.90 | -37.20 | -37.80 | -39.10 | -46.10 | -50.25 | -52.20 | ..... | ..... |
| 10 | 40.30 | 37.70 | 37.95 | 37.20 | 37.35 | 40.15 | 46.80 | 50.60 | 51.90 | ..... | ..... |
| 15 | 39.90 | 37.85 | 37.00 | 37.10 | 37.10 | 41.65 | 47.60 | 50.70 | 50.75 | ..... | ..... |
| 20 | 40.05 | 38.15 | 37.60 | ..... | 37.40 | ..... | 48.15 | 51.60 | 50.25 | ..... | ..... |
| 25 | 39.60 | 38.55 | 37.00 | 37.25 | 37.20 | 44.00 | 49.25 | 51.50 | 49.65 | ..... | ..... |
| Eom | 39.40 | 38.10 | 37.30 | 37.30 | 38.35 | 44.80 | 50.45 | 51.75 | ..... | ..... | ..... |

e Estimated.

391821N0743207.1. Local number 36.23.1.9.6. Borough of Longport. Northwest end of 14th Ave. 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. Led 5 ft above msl. MP top of casing, 4.07 ft above lsd. Highest water level 19.0 above msl, when drilled, 1895; lowest 86.64 below msl, Sept. 6, 1966. Records available: 1924-67. Affected by tidal fluctuations.

| Average water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | -49.5 | -46.4 | -47.9 | -48.9 | -54.1 | -56.2 | -71.2 | -73.8 | -72.5 | -65.0 | -59.5 |
| 10 | 49.0 | 46.4 | 47.9 | 48.4 | 55.4 | 56.5 | 71.0 | 75.0 | 71.8 | 64.4 | 57.6 |
| 15 | 48.8 | 49.1 | ..... | 49.9 | ..... | 57.3 | 71.5 | 74.5 | 69.1 | 64.5 | 57.8 |
| 20 | 47.9 | 47.9 | 47.0 | 51.0 | ..... | 60.4 | ..... | 75.3 | 67.1 | 63.8 | 56.6 |
| 25 | 49.0 | 48.4 | 47.9 | 51.2 | 57.3 | 63.1 | ..... | 73.9 | 66.6 | 62.3 | 55.7 |
| Eom | 48.2 | 48.7 | 48.1 | 53.4 | 56.8 | 67.5 | 73.6 | 74.0 | 65.9 | 61.0 | ..... |

391821N0743207.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | .... | -49.7 | -47.6 | -48.6 | .... | -61.2 | -71.7 | -76.7 | -80.3 | -68.0 | -62.1 | -58.2 |
| 10 | .... | 48.8 | 47.3 | 48.2 | -51.9 | .... | 70.8 | 78.4 | 81.2 | 67.0 | 61.5 | 58.2 |
| 15 | .... | 48.6 | 47.7 | 48.1 | 52.5 | 66.5 | 72.3 | 79.5 | 76.7 | 66.6 | 61.4 | 57.7 |
| 20 | .... | 47.9 | 47.8 | 49.3 | 56.3 | 67.0 | 75.7 | 78.0 | 74.6 | 64.8 | 59.9 | 56.8 |
| 25 | -50.3 | 48.3 | 47.6 | 49.2 | 60.3 | 67.9 | 74.2 | 80.4 | 73.8 | 63.8 | 59.5 | 55.9 |
| Eom | 50.0 | 47.6 | 48.0 | e49.8 | 65.3 | 70.4 | 77.3 | 79.3 | 70.9 | 63.3 | 58.6 | 55.8 |
| 1965 | | | | | | | | | | | | |
| 5 | -55.0 | -53.9 | -52.1 | -51.8 | -55.1 | -62.1 | -74.4 | -77.5 | -78.9 | -69.3 | -64.8 | -60.3 |
| 10 | 54.7 | 53.4 | 52.2 | 51.2 | 55.7 | 63.6 | 74.3 | 78.7 | 78.1 | 67.4 | 63.9 | 60.1 |
| 15 | 54.7 | 53.0 | 52.3 | 51.6 | 59.5 | 67.0 | 72.8 | 80.7 | 74.1 | 67.1 | 62.9 | 58.4 |
| 20 | 55.3 | 53.3 | 52.0 | 52.4 | 61.3 | 64.0 | 74.8 | 82.3 | 74.4 | 67.2 | 62.0 | 58.2 |
| 25 | 53.8 | 51.8 | 52.5 | 52.8 | 61.3 | 67.3 | 77.6 | 80.5 | 71.7 | 65.9 | 61.2 | 57.9 |
| Eom | 53.3 | 52.8 | 52.2 | 52.5 | 64.0 | 72.2 | 78.5 | 78.9 | 70.1 | 65.7 | 61.0 | 57.8 |
| 1966 | | | | | | | | | | | | |
| 5 | -58.2 | -57.3 | -56.0 | -55.6 | -57.6 | -62.9 | -75.5 | -80.0 | -85.3 | -71.1 | -65.9 | -62.0 |
| 10 | 57.1 | 57.2 | 56.7 | 57.3 | 58.3 | 64.3 | 77.1 | 80.0 | 81.9 | 70.4 | 64.7 | 61.5 |
| 15 | 57.1 | 57.4 | 56.3 | 56.8 | 59.2 | 63.3 | 80.0 | 80.3 | 78.8 | 70.0 | 64.1 | 61.0 |
| 20 | 57.0 | 56.7 | 55.9 | 57.6 | 58.2 | 63.7 | 79.9 | 81.6 | 77.6 | 68.5 | 63.6 | 60.1 |
| 25 | 56.2 | 56.1 | 56.0 | 57.4 | 59.6 | 67.3 | 83.2 | 81.8 | 75.4 | e66.8 | 62.6 | 60.5 |
| Eom | 57.9 | 56.4 | 55.3 | 56.8 | 61.2 | 69.1 | 79.9 | 84.4 | 72.3 | 66.6 | 62.1 | 60.3 |
| 1967 | | | | | | | | | | | | |
| 5 | -59.2 | -57.2 | -56.1 | -56.8 | -57.5 | -63.9 | -75.4 | -77.9 | -80.4 | -72.5 | .... | -60.9 |
| 10 | 59.0 | 57.7 | 56.4 | 56.2 | 57.2 | 67.1 | 75.9 | 78.6 | 80.2 | 70.3 | -64.6 | 60.3 |
| 15 | 58.4 | 58.1 | 56.5 | 56.0 | 57.4 | 68.9 | 76.4 | 77.4 | 77.6 | .... | 63.8 | 60.5 |
| 20 | 59.0 | 56.9 | 58.0 | 56.8 | 58.4 | 68.7 | 76.1 | 80.3 | 75.6 | .... | 64.1 | 59.5 |
| 25 | 58.2 | 57.7 | 57.3 | 57.1 | 56.1 | 71.6 | 80.1 | 77.6 | 74.7 | .... | 62.6 | 58.5 |
| Eom | 58.3 | 57.0 | 57.5 | 56.6 | 60.1 | 73.9 | 79.1 | 78.2 | 72.5 | .... | 61.6 | 58.2 |

e Estimated.

Bergen County

405438N0740723.1. Local number 26.3.1.7.3. City of Garfield. North St., East Paterson. Drilled unused artesian well in Brunswick Shale of Late Triassic age, cased with steel 0-30 extending 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: 1926-67.

| Lowest water level for the day, above and below msl, from recorder graph, 1963 | | | | | | | | | | | | |
|--|-------|------|------|-------|-------|-------|-------|------|-------|------|------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -3.4 | -4.3 | -1.2 | +2.0 | -1.1 | -3.7 | -4.0 | -5.7 | -6.6 | -7.9 | -8.6 | +1.3 |
| 10 | 4.0 | ... | -3 | 1.2 | 1.8 | 4.3 | 3.8 | 6.2 | 6.9 | 8.0 | 3.9 | -6 |
| 15 | 4.4 | e4.2 | +4 | +1.3 | 2.0 | 4.7 | 2.9 | 6.4 | 7.1 | 8.1 | 3.0 | -8 |
| 20 | 4.2 | ... | 1.3 | ... | 2.6 | 4.9 | 4.7 | 6.3 | 7.4 | 8.2 | 2.6 | +10.4 |
| 25 | ... | 1.9 | ... | ... | 3.3 | 5.1 | 4.9 | 6.4 | 7.4 | 8.3 | -2.2 | 2.8 |
| Eom | 4.6 | 2.1 | 1.2 | ... | 3.6 | 5.0 | 5.4 | 6.5 | 7.4 | 8.5 | +3.4 | +5 |
| 1964 | | | | | | | | | | | | |
| 5 | -0.2 | +4.0 | +7.3 | +10.6 | .... | +8.8 | +4.6 | -1.2 | -4.0 | -6.4 | -8.4 | -9.1 |
| 10 | 1.0 | 3.6 | 7.7 | 9.4 | +13.0 | 8.7 | 5.5 | 1.3 | 4.6 | 7.1 | 8.4 | 9.2 |
| 15 | .7 | 5.3 | 7.8 | 10.3 | .... | 7.6 | 4.9 | 1.6 | 5.2 | 7.3 | 8.5 | 9.2 |
| 20 | -.9 | 7.0 | 9.5 | 11.7 | .... | 6.8 | 4.1 | 1.8 | 5.8 | 7.5 | 8.7 | 9.5 |
| 25 | 0.0 | 7.1 | 9.2 | 11.3 | .... | 5.8 | +2.0 | 2.4 | 6.8 | 8.1 | 8.8 | 9.3 |
| Eom | +1.8 | 7.1 | 10.3 | 12.7 | 10.8 | 4.4 | -2 | 3.2 | 7.2 | 8.3 | 8.0 | 8.2 |
| 1965 | | | | | | | | | | | | |
| 5 | -7.2 | -5.9 | -2.9 | ... | -0.8 | +0.5 | -0.5 | -4.3 | -7.4 | -9.6 | -9.7 | -10.4 |
| 10 | 7.8 | 6.8 | 2.0 | -0.8 | +1 | -1.0 | 2.6 | 4.7 | 8.0 | 10.0 | 8.9 | 10.7 |
| 15 | 8.0 | 5.1 | .3 | .6 | -1.2 | +4 | 3.2 | 4.4 | 8.0 | 10.1 | 9.7 | 10.7 |
| 20 | 8.5 | 4.6 | 1.8 | ... | 1.7 | +7 | 2.8 | 5.2 | 8.6 | 10.2 | 9.9 | 10.2 |
| 25 | 8.3 | 3.0 | 1.3 | ... | -1.4 | -2.3 | 3.3 | 5.8 | 9.3 | 10.2 | 10.0 | 11.1 |
| Eom | 8.4 | 3.0 | ... | ... | +1.6 | 3.0 | 3.6 | 6.5 | 9.3 | 9.7 | 10.5 | 10.9 |
| 1966 | | | | | | | | | | | | |
| 5 | -10.5 | -9.1 | -5.2 | +2.8 | +1.1 | +8.1 | -2.1 | -1.5 | -4.6 | -2.0 | +1.7 | +3.5 |
| 10 | 11.1 | 9.3 | -2.4 | 2.5 | .8 | 3.2 | 2.9 | 2.0 | 5.1 | 1.1 | 2.5 | 3.2 |
| 15 | 11.3 | 9.0 | +1.0 | 2.0 | 1.3 | 2.6 | 3.6 | 1.6 | 5.6 | 1.3 | 3.3 | 3.2 |
| 20 | 11.1 | 9.0 | 2.8 | 1.6 | 2.1 | +2.5 | 3.2 | 3.4 | 4.5 | -.5 | 5.1 | 3.5 |
| 25 | 9.9 | 7.7 | 3.3 | 2.1 | 2.5 | -.4 | -1.2 | 3.8 | 3.4 | +.6 | 4.1 | 3.3 |
| Eom | 9.0 | 7.4 | 3.2 | 1.4 | 3.2 | 1.4 | +.2 | 5.0 | 3.4 | 1.8 | 3.3 | 3.6 |
| 1967 | | | | | | | | | | | | |
| 5 | +4.3 | +9.0 | +7.2 | +15.8 | +15.9 | +11.5 | +10.9 | +4.3 | -0.8 | -3.3 | ... | ... |
| 10 | 4.4 | 7.7 | 7.2 | 16.8 | 15.6 | 9.7 | 8.7 | 2.4 | 1.9 | 3.2 | ... | -6.3 |
| 15 | 5.3 | 7.2 | 10.5 | 16.7 | 16.6 | 8.1 | 5.4 | 2.2 | 1.9 | 3.6 | ... | ... |
| 20 | 5.6 | 7.5 | 12.6 | 16.0 | 16.0 | 8.5 | 4.6 | .5 | 2.7 | 5.4 | ... | ... |
| 25 | 6.6 | 6.4 | 14.5 | 17.0 | 16.4 | 8.3 | 4.3 | +.6 | 2.3 | ... | ... | ... |
| Eom | 7.5 | 7.9 | 15.5 | 16.5 | 13.1 | 8.0 | 4.2 | -.4 | 3.0 | ... | ... | ... |

Burlington County

394453N0742819.1. Local number 32.23.6.6.8. U.S. Geol. Survey. Penn State Forest. Drilled observation water-table well in Cohansey 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, 2.48 ft above lsd (since Jan. 1, 1966). Highest water level 73.11 above msl (flowing), several times, 1959-62; lowest 73.08 above msl, Dec. 11, 1965. Records available: 1936-67.

| End-of-day water level, from recorder graph, 1963 | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +77.42 | +77.68 | +78.13 | +77.57 | +77.27 | +77.21 | +76.45 | +75.33 | +74.92 | +75.74 | +77.88 +77.08 |
| 10 | e77.70 | 77.48 | 77.94 | 77.55 | 76.98 | 76.91 | 76.02 | 75.03 | 74.80 | 75.42 | 76.83 77.52 |
| 15 | 77.52 | e77.70 | 77.96 | 77.32 | e76.78 | 76.73 | 75.79 | 75.65 | 74.63 | 75.17 | 76.47 77.23 |
| 20 | 77.86 | 78.19 | 78.27 | 77.22 | e77.15 | 76.46 | 75.53 | 75.73 | 75.93 | 75.00 | 76.27 77.00 |
| 25 | 77.54 | 77.76 | 77.83 | 77.08 | e76.85 | e76.23 | 75.44 | 75.51 | 75.61 | 74.87 | 76.62 77.12 |
| Eom | 77.57 | 77.70 | 77.72 | 77.18 | e76.59 | e77.10 | 75.15 | 75.07 | e76.03 | 74.74 | 77.53 76.88 |
| 1964 | | | | | | | | | | | |
| 5 | +77.42 | +77.68 | +77.82 | +78.09 | +77.88 | +76.71 | +75.81 | +75.58 | +74.33 | +76.43 | +75.90 +76.88 |
| 10 | 77.98 | 77.78 | 77.65 | 77.98 | 77.63 | 76.49 | 77.18 | 75.52 | 74.14 | 76.09 | 75.78 76.73 |
| 15 | 77.52 | 77.85 | 77.63 | 78.42 | 77.55 | 76.27 | 76.94 | 75.22 | 74.08 | 75.84 | 75.65 77.16 |
| 20 | 78.50 | 78.21 | 77.45 | 78.18 | 77.32 | 76.05 | 76.46 | 75.02 | 74.00 | 76.53 | 75.73 77.07 |
| 25 | 78.32 | 77.85 | 77.82 | 77.75 | 77.08 | 76.46 | 76.28 | 74.80 | 73.85 | 76.29 | 75.84 77.08 |
| Eom | 77.72 | 77.86 | 77.69 | 78.20 | 76.82 | 76.09 | 75.87 | 74.57 | 76.15 | 76.01 | 76.16 77.14 |
| 1965 | | | | | | | | | | | |
| 5 | +77.03 | +77.22 | +78.11 | +77.49 | +77.11 | +76.86 | +75.50 | +75.07 | +73.83 | +73.72 | +73.35 +73.13 |
| 10 | 77.53 | 77.87 | 77.57 | 77.70 | 77.01 | 76.46 | 75.70 | 74.76 | 73.69 | 73.77 | 73.30 73.10 |
| 15 | 77.25 | 77.56 | 77.48 | 77.55 | 76.80 | 76.17 | 76.10 | 74.54 | 74.31 | 73.70 | 73.24 e73.75 |
| 20 | 77.06 | 77.40 | 77.60 | 77.63 | 76.73 | 75.98 | 75.60 | 74.30 | 74.28 | 73.60 | 73.19 e73.63 |
| 25 | 77.84 | 77.88 | 78.00 | 77.35 | 76.58 | 75.70 | 75.21 | 74.17 | 74.02 | 73.53 | 73.17 73.57 |
| Eom | 77.41 | 77.48 | 77.82 | 77.29 | 76.70 | 75.44 | 74.83 | 73.99 | 73.85 | 73.43 | 73.15 73.59 |
| 1966 | | | | | | | | | | | |
| 5 | +73.67 | +74.83 | +77.08 | +76.40 | +76.90 | +76.59 | +75.34 | +75.85 | +74.00 | +77.32 | +77.32 +76.95 |
| 10 | 74.03 | e74.78 | 76.78 | 76.29 | 76.60 | 76.30 | 75.10 | 75.40 | 73.77 | 76.85 | 77.16 76.85 |
| 15 | 74.15 | 77.04 | 76.70 | 76.71 | 76.42 | 76.11 | 74.80 | 75.11 | 73.80 | 76.62 | 77.05 77.17 |
| 20 | 74.15 | 76.80 | 76.65 | 76.40 | 76.99 | 75.95 | 76.12 | 74.79 | 73.82 | 77.97 | 76.93 77.13 |
| 25 | 74.67 | 77.23 | 76.62 | 77.14 | 76.90 | 75.65 | 75.47 | 74.57 | 76.85 | 77.47 | 76.86 77.33 |
| Eom | 74.84 | 77.25 | 76.50 | 77.31 | 77.00 | 75.78 | 75.17 | 74.23 | 77.30 | 77.24 | 77.25 77.74 |
| 1967 | | | | | | | | | | | |
| 5 | +77.66 | +77.25 | +77.96 | +77.58 | +77.37 | +76.87 | +76.38 | +77.74 | +77.12 | +76.64 | +76.62 |
| 10 | 77.58 | 77.16 | 77.95 | 77.59 | 77.73 | 76.65 | ..... | 78.10 | 76.88 | 76.52 | 76.48 |
| 15 | 77.43 | 77.73 | 78.18 | 77.40 | 77.67 | 76.45 | 77.46 | 77.35 | 76.62 | 76.42 | 76.40 |
| 20 | 77.25 | 77.76 | 77.78 | 77.39 | 77.33 | 76.97 | 77.05 | 77.37 | 76.83 | 76.88 | 76.37 +77.16 |
| 25 | 77.18 | ..... | 77.82 | 77.27 | 77.27 | 76.52 | 76.82 | 78.29 | 76.55 | 76.93 | 76.65 77.58 |
| Eom | 77.37 | ..... | 77.67 | 77.63 | 77.13 | 76.23 | 76.82 | 77.49 | 77.08 | 76.68 | 77.64 |

e Estimated.

Camden County

395811N0750549.1. Local number 31.1.3.9.9. Cities Service Oil Co. Pettys Island. Drilled un used artesian well in sand of Raritan Formation of Late 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: 1949-67. Significant tidal fluctuations.

| Lowest water level for the day, above and below msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|------|------|------|------|------|-------|------|------|-------|------|-----------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | ... | ... | -0.2 | -1.1 | -0.4 | +0.1 | -0.6 | -0.8 | -0.3 | -0.9 | -0.6 -0.5 |
| 10 | +0.2 | ... | .2 | -.4 | .4 | 0.0 | .1 | .6 | -.3 | .3 | +1.1 .7 |
| 15 | 0.0 | -1.6 | -.4 | +1.1 | -.4 | -.3 | .1 | 1.0 | 0.0 | .5 | -.6 1.4 |
| 20 | +3.0 | 0.0 | +1.0 | 0.0 | 0.0 | .1 | .1 | .5 | -.5 | .4 | .3 ... |
| 25 | -1.4 | -.9 | 0.0 | -.7 | -.5 | .7 | .3 | .5 | .1 | .4 | .9 1.0 |
| Eom | .5 | .7 | +2 | +3 | .4 | .3 | .5 | .4 | .6 | 1.2 | 1.0 1.6 |
| 1964 | | | | | | | | | | | |
| 5 | -1.1 | -1.3 | +0.2 | -1.3 | 0.0 | -0.5 | -0.9 | -0.2 | -0.9 | -0.5 | -0.1 -0.6 |
| 10 | 1.1 | 1.2 | 0.0 | .9 | -.3 | .2 | .5 | .6 | .8 | .1 | .2 .7 |
| 15 | 1.1 | 1.0 | -.3 | .5 | .3 | .5 | .5 | .8 | .2 | .2 | .8 1.3 |
| 20 | .4 | .4 | -1.3 | .2 | .7 | .6 | .7 | .7 | .1 | .3 | .3 e-1.0 |
| 25 | .1 | 1.2 | 0.0 | -.4 | .7 | 1.1 | .2 | .6 | .6 | .6 | .8 0.0 |
| Eom | .8 | -1.1 | -.9 | +.8 | .4 | .7 | .9 | .6 | .6 | .7 | .5 -1.0 |
| 1965 | | | | | | | | | | | |
| 5 | -0.8 | -1.4 | -0.3 | -0.7 | -0.1 | e-0.1 | -0.1 | -0.5 | ... | -1.0 | -1.0 -0.6 |
| 10 | .8 | .1 | .3 | .5 | -.1 | .5 | .5 | .6 | -0.3 | 0.0 | .5 -.6 |
| 15 | 1.3 | .3 | ... | .5 | 0.0 | .1 | .5 | .6 | +1.1 | .3 | .4 0.0 |
| 20 | -1.2 | 1.7 | ... | -.2 | -.1 | .1 | .4 | 1.0 | -.4 | .6 | .7 -.2 |
| 25 | +1.1 | .4 | .5 | +2 | .2 | .6 | .4 | .7 | .8 | .6 | .4 .3 |
| Eom | +6 | 1.0 | 1.1 | 0.0 | .3 | .6 | .3 | ... | .2 | .5 |6 |
| 1966 | | | | | | | | | | | |
| 5 | -1.0 | ... | +0.3 | -0.2 | -0.7 | -0.7 | -0.4 | -0.5 | -0.4 | -0.2 | -1.3 -0.9 |
| 10 | 1.0 | ... | -.3 | .5 | .9 | .3 | .4 | .5 | 1.0 | .5 | .5 .5 |
| 15 | ... | -0.4 | .2 | .1 | .3 | .5 | .7 | .7 | .3 | .7 | .6 .8 |
| 20 | 1.0 | .8 | .2 | .4 | .2 | .5 | .8 | .9 | .4 | .8 | 1.3 .2 |
| 25 | .7 | .1 | .5 | .2 | .3 | .7 | .6 | ... | .9 | .5 | .3 1.0 |
| Eom | 2.2 | -.4 | .1 | .1 | .3 | .6 | .4 | ... | .3 | .5 | .4 ... |

395311N0750549. 1--Continued.

| 1967 | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -0.1 | 0.0 | -1.1 | -0.3 | ... | -0.6 | -0.8 | -0.6 | ... | -0.8 | -0.5 | -0.7 |
| 10 | .6 | -.7 | .8 | .4 | ... | .6 | .4 | .5 | -1.0 | .1 | .8 | .6 |
| 15 | .2 | .9 | .2 | .5 | -0.2 | .6 | .4 | 1.0 | .4 | .3 | 1.9 | 1.0 |
| 20 | 1.1 | .6 | .9 | .8 | ... | ... | .7 | ... | .7 | 1.7 | 1.6 | 1.0 |
| 25 | .9 | 2.9 | .6 | ... | 0.0 | .6 | .5 | .6 | 1.2 | ... | .9 | .9 |
| Eom | -1.3 | 1.4 | .4 | ... | -.5 | .2 | .8 | 1.0 | .7 | .4 | 1.4 | .9 |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

395648N0750743. 1. Local number 31.1.6.4.8. Esterbrook Pen Co. Cooper St. and Delaware Ave., Camden. Drilled unused artesian well in Wissahickon Formation of late Precambrian(?) age, diam 6 in, depth 300 ft, cased with steel. Lsd 8 ft above msl. MP floor of building, 0.13 ft above lsd. Highest water level 3.48 above msl, Nov. 25, 1950; lowest 13.21 below msl, Feb. 4-5, 1955. Records available: 1950-64. Reflects earthquake fluctuations. No measurement made in 1965-67; measurement discontinued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| 5 | -5.63 | -5.44 | -5.87 | -6.03 | -6.19 | -5.25 | -6.78 | -6.80 | ... | -6.48 | -5.91 | -5.72 |
| 10 | 5.32 | .... | 6.11 | 5.33 | 5.74 | 5.50 | 5.79 | 6.93 | e-6.12 | 6.07 | 5.31 | 5.61 |
| 15 | 5.39 | 6.67 | 6.23 | 5.33 | 5.39 | 5.86 | e5.70 | .... | 6.65 | 5.82 | 5.55 | 6.17 |
| 20 | 5.69 | e6.16 | 5.65 | 5.57 | .... | 5.98 | 6.03 | .... | 6.43 | 6.18 | 5.53 | 6.52 |
| 25 | e6.60 | 6.47 | 5.63 | 5.90 | 5.83 | 6.21 | .... | 6.92 | 6.15 | 6.21 | 5.74 | 6.02 |
| Eom | 6.00 | 6.47 | .... | 6.25 | 5.53 | 6.75 | 6.65 | 6.55 | 6.02 | 6.22 | 5.49 | 6.22 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | -6.07 | -6.10 | -5.25 | -5.91 | -5.03 | -5.57 | -6.71 | -6.42 | -7.54 | -5.82 | .... | .... |
| 10 | 6.01 | 6.25 | 5.01 | 6.04 | 5.28 | 5.48 | 6.23 | 6.80 | 7.47 | 5.71 | .... | -6.89 |
| 15 | 6.24 | 6.32 | 4.97 | 6.27 | 5.35 | 5.97 | 5.78 | 7.32 | 6.65 | 6.02 | .... | 6.90 |
| 20 | 5.99 | 6.02 | 5.58 | 6.43 | 5.49 | 6.36 | .... | 7.26 | 7.31 | 5.79 | .... | .... |
| 25 | 5.89 | 5.88 | 4.69 | 6.35 | 5.76 | 6.63 | .... | 6.98 | 6.60 | 6.20 | .... | .... |
| Eom | 5.94 | 5.81 | 5.17 | 5.22 | 5.95 | 6.37 | 7.32 | 7.44 | 6.38 | 6.57 | -5.45 | .... |

e Estimated.

395920N0750305. 1. Local number 31.2.2.5.2. City of Camden. Morris Station. Drilled unused artesian well in sand of Raritan Formation of Late 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. Affected by pumping in early well field. No measurement made in 1963-67; measurement discontinued.

Cape May County

385804N0745742. 1. Local number 37.1.8.7.8. U.S. Geol. Survey (Well 3). Higbee Beach. Drilled observation artesian well in Cohansey Sand of Miocene(?) and Pliocene(?) age, diam 6 in, 0-52; 2 in, 52-250; depth 250 ft, cased with steel, screened 241-250. Lsd 6 ft above msl. MP recorder shelf, 2.84 ft above lsd. Highest water level 7.16 below msl, Dec. 21, 1965; lowest 24.45 below msl, Aug. 28, 1966. Records available: 1965-67. This well replaced old well #2(37.11.2.1.2.).

Lowest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|--------|--------|--------|--------|--------|--------|--------|
| 5 | | | | | | -11.75 | -16.10 | -17.50 | -18.30 | -14.25 | -11.60 | -10.20 |
| 10 | | | | | | 11.75 | 16.05 | 17.90 | 18.35 | 13.65 | 11.60 | 10.15 |
| 15 | | | | | | 12.10 | 15.80 | 18.30 | 17.40 | 12.45 | 10.65 | 9.60 |
| 20 | | | | | | 11.50 | 16.00 | 18.90 | 16.95 | 11.95 | 11.40 | 9.20 |
| 25 | | | | | | 14.10 | 17.75 | 19.00 | 16.75 | 12.30 | 10.70 | 9.40 |
| Eom | | | | | | 15.25 | 18.45 | 18.95 | 15.55 | 11.30 | 10.40 | 10.40 |

1966

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| 5 | -11.25 | -11.60 | -12.00 | -12.35 | -12.90 | -15.75 | -20.60 | -21.75 | -24.35 | -18.00 | -17.50 | .... |
| 10 | 11.35 | 11.35 | 12.95 | 12.05 | 14.00 | 15.60 | 21.15 | 21.45 | 22.60 | 18.70 | 17.60 | .... |
| 15 | 11.15 | 11.00 | 12.20 | 11.50 | 14.60 | 16.05 | 22.30 | 23.20 | 21.70 | 18.85 | 17.50 | .... |
| 20 | 13.15 | 10.55 | 12.40 | 11.95 | 14.60 | 16.70 | 21.90 | 23.85 | 20.30 | 17.90 | 15.65 | .... |
| 25 | 13.45 | 11.20 | 11.65 | 11.40 | 13.20 | 17.55 | 23.50 | 24.15 | 20.50 | 17.85 | 14.30 | e-13.30 |
| Eom | 12.90 | 11.60 | 12.80 | 12.00 | 13.00 | 18.80 | 23.35 | 23.65 | 19.90 | 15.30 | .... | 15.00 |

1967

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | -13.80 | -13.05 | -13.25 | -11.90 | -10.40 | -13.95 | -15.25 | -17.30 | -17.90 | -16.60 | -14.00 | -12.90 |
| 10 | 14.75 | 13.30 | 13.35 | 11.35 | 10.30 | 15.60 | 16.05 | 17.60 | 17.40 | 14.15 | 13.90 | 11.95 |
| 15 | 13.80 | 14.00 | 12.65 | 11.00 | 10.95 | 15.65 | 16.80 | 17.15 | 17.35 | 14.40 | 12.50 | 11.95 |
| 20 | 14.00 | 13.30 | 12.70 | 10.35 | 12.70 | 14.80 | 16.50 | 17.30 | 17.30 | 15.15 | 13.95 | 11.50 |
| 25 | 14.00 | 14.40 | 12.60 | 10.80 | 12.35 | 15.60 | 16.70 | 16.70 | 15.95 | 14.30 | 13.50 | 11.80 |
| Eom | 13.80 | 14.10 | 12.70 | 9.50 | 12.90 | 14.85 | 17.55 | 17.15 | 16.90 | 13.50 | 14.40 | 12.30 |

e Estimated.

385756N0745740. 1. Local number 37.11.2.1.2. U.S. Geol. Survey (Well 2). Higbee Beach. Drilled observation artesian well in Cohansey Sand of Miocene(?) and Pliocene(?) age, diam 6 in, depth 252 ft, cased with steel, 20-10 slot screen at 242-252. Lsd 7 ft above msl. MP top of casing, 3.96 ft above lsd. Highest water level 4.60 below msl, Apr. 3, 1958; lowest 25.00 below msl, Sept. 4, 1963. Records available: 1957-65. Well abandoned; replaced by well #3(37.1.8.7.8.).

385756N0745740.1--Continued.

| - Lowest water level for the day, from recorder graph, 1957 | | | | | | | | | | | | |
|---|--------|---------|---------|---------|--------|--------|--------|---------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | -16.65 | -16.20 | -11.45 | -9.30 | -7.85 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.00 | 14.90 | 11.40 | ..... | 7.70 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.25 | 13.80 | 11.30 | 8.95 | 8.75 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16.75 | 13.25 | ..... | 9.00 | 8.55 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12.85 | 10.65 | 8.80 | 8.45 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 16.05 | 12.00 | 9.60 | 8.20 | 7.45 |
| 1958 | | | | | | | | | | | | |
| 5 | -8.20 | -7.95 | -8.35 | -7.50 | -7.35 | -7.95 | -11.15 | -13.40 | -16.95 | -12.10 | -11.10 | -9.45 |
| 10 | e7.80 | 8.00 | 7.60 | 7.60 | 7.15 | 8.05 | 11.95 | 14.25 | 17.15 | 12.25 | 10.50 | 10.20 |
| 15 | 7.30 | 8.20 | ..... | ..... | 7.25 | 9.50 | 12.55 | 14.65 | 17.45 | 12.20 | 12.40 | 9.50 |
| 20 | 7.80 | 8.30 | 6.70 | 7.20 | 7.50 | 9.45 | 12.95 | 14.70 | 15.90 | 10.25 | 12.60 | 9.45 |
| 25 | 6.80 | 8.40 | 7.20 | 7.00 | 7.50 | 9.35 | 13.00 | 14.50 | 14.15 | 9.35 | 11.50 | 9.35 |
| Eom | 7.30 | e7.80 | 6.90 | 7.45 | 8.20 | 10.20 | 13.45 | 16.05 | 12.50 | 9.60 | 10.50 | 8.85 |
| 1959 | | | | | | | | | | | | |
| 5 | -9.30 | -8.75 | -8.60 | -8.10 | -7.85 | -10.10 | ..... | -15.75 | ..... | -13.60 | -10.15 | -9.00 |
| 10 | 9.60 | 8.55 | 8.30 | 8.00 | 8.30 | 10.80 | -16.60 | 15.30 | -15.85 | 13.10 | 9.30 | 9.55 |
| 15 | 8.50 | 8.05 | 8.20 | 7.60 | 8.25 | 11.80 | 15.10 | 16.65 | 15.35 | 11.70 | 9.10 | 8.95 |
| 20 | 8.70 | 9.60 | 8.35 | 7.55 | 9.15 | 12.50 | 15.00 | 17.20 | 15.00 | 12.25 | 9.70 | 8.65 |
| 25 | 9.30 | 9.75 | 8.55 | 8.80 | 10.15 | 13.40 | 15.00 | 16.80 | 14.40 | 11.70 | 9.65 | 9.35 |
| Eom | 8.70 | 8.75 | 7.55 | 7.50 | 10.80 | ..... | 15.10 | 15.80 | 13.55 | 10.90 | 9.95 | 9.60 |
| 1960 | | | | | | | | | | | | |
| 5 | -9.35 | -8.55 | -9.00 | -8.60 | -9.90 | -11.00 | -14.50 | -17.85 | ..... | -13.70 | -11.80 | -9.60 |
| 10 | ..... | 8.40 | 10.05 | 9.00 | 10.20 | 10.85 | 15.80 | 17.85 | -16.75 | 12.35 | 10.85 | 8.80 |
| 15 | 8.60 | 9.10 | 10.50 | 9.20 | 10.95 | 11.25 | 14.60 | 16.95 | 15.80 | 12.15 | 10.50 | 9.00 |
| 20 | 9.55 | 9.10 | 9.95 | 9.80 | 11.80 | 11.50 | 15.80 | 16.75 | 15.00 | 12.00 | 10.40 | 9.95 |
| 25 | 9.20 | 8.80 | 10.60 | 9.40 | 11.65 | 12.20 | 16.70 | 15.85 | 14.05 | 11.80 | 9.85 | 10.25 |
| Eom | 9.10 | 8.65 | 9.10 | 9.60 | 12.30 | 13.55 | 16.40 | 16.10 | 13.50 | 10.45 | 9.85 | 10.20 |
| 1961 | | | | | | | | | | | | |
| 5 | -10.20 | -9.95 | -9.70 | -9.00 | -8.45 | -10.50 | -13.70 | -17.05 | ..... | ..... | -11.60 | -9.85 |
| 10 | 9.90 | 10.40 | 9.45 | 8.95 | 8.70 | 10.90 | 14.30 | 17.65 | ..... | ..... | 11.00 | 11.15 |
| 15 | 9.20 | 10.95 | 9.25 | 8.80 | 8.35 | 11.00 | 15.10 | 18.55 | ..... | ..... | 10.45 | 12.95 |
| 20 | 9.45 | 10.65 | 9.20 | 8.45 | 8.10 | 11.55 | 16.35 | 18.95 | ..... | ..... | 10.15 | 13.45 |
| 25 | 10.05 | 9.50 | 8.85 | 8.55 | 9.55 | 12.00 | 18.35 | ..... | ..... | ..... | 9.60 | 14.00 |
| Eom | 10.20 | 9.90 | 9.10 | 8.90 | 10.30 | 12.20 | 18.20 | ..... | ..... | ..... | 9.50 | 12.80 |
| 1962 | | | | | | | | | | | | |
| 5 | -12.50 | ..... | ..... | -13.40 | -13.10 | -14.70 | -14.10 | -15.30 | ..... | -13.70 | -10.70 | -10.30 |
| 10 | 14.00 | ..... | ..... | 13.00 | 13.10 | 13.90 | 15.25 | 14.70 | ..... | 13.70 | 10.80 | 11.40 |
| 15 | 12.65 | ..... | ..... | 12.75 | 13.15 | 13.15 | 15.45 | 15.50 | ..... | 12.90 | 10.65 | 11.40 |
| 20 | 12.25 | ..... | ..... | 12.95 | 14.40 | 13.85 | 15.45 | 16.10 | -15.05 | 11.45 | 10.45 | 11.60 |
| 25 | 11.75 | ..... | ..... | 13.10 | 14.25 | 13.65 | 15.05 | 16.10 | 13.25 | 11.55 | 11.30 | 11.70 |
| Eom | 11.50 | ..... | -13.10 | 13.15 | 14.55 | 13.85 | 15.05 | 16.90 | 13.85 | 11.65 | 11.15 | 11.90 |
| 1963 | | | | | | | | | | | | |
| 5 | -11.25 | -10.20 | -10.00 | -15.80 | -15.55 | -15.85 | -22.85 | e-23.10 | -24.75 | -17.50 | -14.95 | -12.75 |
| 10 | 10.45 | 10.05 | 10.40 | 15.70 | 16.05 | 17.00 | ..... | e23.45 | 23.70 | 15.95 | 12.25 | 12.60 |
| 15 | 9.95 | 10.30 | 11.30 | 13.90 | 16.60 | 17.20 | ..... | ..... | 22.45 | 15.00 | 13.80 | 11.85 |
| 20 | 9.15 | 9.85 | 11.30 | 14.10 | 17.20 | 18.95 | 23.85 | 24.10 | 21.70 | 15.80 | 13.55 | 12.45 |
| 25 | 10.30 | 10.60 | 14.00 | 14.15 | 16.50 | 19.80 | 23.15 | 24.25 | 20.65 | 14.75 | 13.20 | 13.60 |
| Eom | 10.10 | 10.50 | 14.85 | 14.60 | 15.45 | 21.35 | 22.20 | 24.50 | 19.50 | 15.20 | 13.70 | 14.15 |
| 1964 | | | | | | | | | | | | |
| 5 | -13.80 | ..... | -15.80 | -12.00 | -14.40 | -14.25 | -17.90 | -17.45 | -18.20 | -14.55 | -11.90 | -11.25 |
| 10 | 13.20 | -12.35 | 15.85 | 12.10 | 14.10 | 14.10 | 17.35 | 18.20 | 18.45 | 13.65 | 11.75 | 11.15 |
| 15 | ..... | 12.85 | 14.30 | 13.10 | 12.10 | 14.85 | 16.40 | 18.20 | 17.10 | 13.40 | 12.00 | 11.55 |
| 20 | ..... | 14.85 | 13.90 | 14.05 | 13.10 | 16.45 | 16.80 | 18.30 | 16.85 | 13.25 | 12.05 | 12.10 |
| 25 | ..... | 16.00 | 12.70 | 14.70 | 14.70 | 16.85 | 16.35 | 18.15 | 16.20 | 12.90 | 11.45 | 11.15 |
| Eom | e12.40 | 15.85 | 12.15 | 13.40 | 15.35 | 18.10 | 17.10 | 18.00 | 15.00 | 12.45 | 10.90 | e10.80 |
| 1965 | | | | | | | | | | | | |
| 5 | -11.10 | ..... | ..... | ..... | -13.15 | -12.20 | -16.70 | ..... | ..... | ..... | ..... | ..... |
| 10 | 11.70 | ..... | ..... | ..... | 13.20 | 12.20 | 16.50 | ..... | ..... | ..... | ..... | ..... |
| 15 | 12.75 | ..... | ..... | ..... | 14.00 | 12.55 | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 13.85 | ..... | ..... | ..... | 13.90 | 11.95 | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 13.20 | ..... | ..... | ..... | 13.70 | 14.85 | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | 13.50 | e-12.45 | e-11.90 | e-12.10 | 13.10 | 15.85 | ..... | ..... | ..... | ..... | ..... | ..... |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

385647N0745317.1. Local number 37.12.1.5.7. U.S. Geol. Survey. U.S. Coast Guard Receiving Center, Cape May. Drilled observation artesian well in Cohansey Sand of Miocene(?) and Pliocene(?) age, diam 6 in, depth 325 ft, cased with steel, 15-slot screen at 305-325. Lsd 10 ft above msl. MP top of casing, 3.70 ft above lsd. Highest water level 5.99 below msl, Apr. 13, 1961; lowest 34.18 below msl, Aug. 12, 1963. Records available: 1957-66. Well abandoned and sealed; measurement discontinued.

| Lowest water level for the day, from recorder graph, 1957 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | | | | | | | | | -25.50 | -14.20 | -11.75 | -9.80 |
| 10 | | | | | | | | -24.20 | 19.50 | ..... | 12.40 | 9.70 |
| 15 | | | | | | | | 26.80 | 17.60 | ..... | 11.30 | 10.95 |
| 20 | | | | | | | | 27.40 | 19.70 | ..... | 11.65 | 10.80 |
| 25 | | | | | | | | 22.35 | 17.25 | 14.30 | 10.90 | 10.70 |
| Eom | | | | | | | | 27.10 | 18.85 | 12.15 | 10.35 | 9.60 |

385647N0745317.1--Continued.

| 1958 | | | | | | | | | | | | |
|------|--------|--------|--------|---------|--------|--------|--------|---------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -10.40 | -11.70 | -10.35 | -9.25 | -9.55 | -10.45 | -15.65 | -18.70 | -19.90 | -14.50 | -13.20 | ..... |
| 10 | 9.95 | 10.05 | 9.50 | 9.05 | 9.50 | 15.85 | 16.60 | 19.90 | 19.70 | 14.50 | 12.25 | ..... |
| 15 | 9.45 | 10.15 | ..... | 9.05 | 9.50 | 10.85 | 17.50 | 20.40 | 19.00 | 14.80 | 12.20 | ..... |
| 20 | 11.20 | 10.50 | 8.40 | 12.95 | 11.40 | 12.00 | 18.30 | 20.65 | 17.65 | 12.70 | 12.00 | ..... |
| 25 | 9.05 | ..... | 11.65 | 9.45 | 10.40 | 12.40 | 18.40 | 20.50 | 17.15 | 12.30 | 12.00 | ..... |
| Eom | 10.05 | 9.55 | 13.80 | 11.85 | 10.40 | ..... | 18.70 | 19.80 | 15.80 | 13.65 | 11.30 | ..... |
| 1959 | | | | | | | | | | | | |
| 5 | ..... | -11.15 | -10.25 | -9.25 | -9.35 | -11.65 | ..... | ..... | ..... | -16.10 | -13.10 | -10.80 |
| 10 | -11.05 | 10.20 | 9.60 | 9.25 | 10.10 | 13.85 | ..... | -19.10 | -19.75 | 15.65 | 11.95 | 11.10 |
| 15 | 10.05 | 9.35 | 9.10 | 8.65 | 9.75 | 14.50 | ..... | ..... | 19.10 | 19.40 | 11.50 | 10.70 |
| 20 | 11.00 | 17.05 | 9.70 | 13.25 | 10.70 | 14.75 | ..... | ..... | 18.10 | 13.90 | 11.40 | 10.45 |
| 25 | 10.90 | 10.55 | 9.95 | 9.95 | 17.35 | 19.55 | ..... | ..... | 17.75 | 12.75 | 11.75 | 10.30 |
| Eom | 13.60 | 10.30 | 8.85 | 8.80 | 11.50 | 18.50 | ..... | ..... | 17.00 | 13.40 | 11.75 | 10.55 |
| 1960 | | | | | | | | | | | | |
| 5 | -10.15 | -9.35 | -8.60 | -9.35 | -20.20 | -12.15 | -18.20 | e-20.40 | -20.40 | ..... | -12.75 | -10.95 |
| 10 | ..... | 9.20 | 9.45 | 10.50 | 12.45 | 12.25 | 19.45 | 20.35 | 20.00 | -14.65 | 12.30 | 11.05 |
| 15 | 9.50 | 10.30 | 11.55 | 10.20 | 11.55 | 12.60 | 18.00 | 19.95 | 18.95 | 14.15 | 11.75 | 10.60 |
| 20 | 10.70 | 10.70 | 16.60 | 9.95 | 11.70 | 13.35 | 19.35 | 19.95 | 17.60 | 14.15 | 11.65 | 11.45 |
| 25 | 10.10 | 9.90 | 10.85 | 15.70 | 12.35 | 15.05 | ..... | 20.05 | ..... | 13.75 | 11.30 | 11.00 |
| Eom | 10.10 | 9.50 | 10.15 | 19.05 | 11.45 | 16.80 | ..... | 20.35 | ..... | 11.75 | 11.60 | 10.55 |
| 1961 | | | | | | | | | | | | |
| 5 | -10.85 | -10.65 | -10.60 | .... | -10.10 | -10.65 | -14.65 | -20.25 | -25.25 | -16.60 | -13.90 | -11.60 |
| 10 | 10.20 | 10.95 | 10.20 | -9.30 | 9.65 | 11.20 | 15.55 | 21.30 | 22.70 | 16.80 | 13.50 | 11.70 |
| 15 | 13.10 | 11.50 | 9.95 | 9.60 | 9.60 | 11.40 | 17.30 | 21.80 | 22.80 | 14.95 | 13.00 | 12.00 |
| 20 | 17.75 | 11.25 | 9.75 | 9.30 | 9.25 | 14.00 | 18.10 | 22.25 | 19.20 | 15.30 | 12.00 | 11.50 |
| 25 | 11.60 | 10.10 | 9.35 | 14.60 | 9.80 | 14.75 | 23.55 | 24.30 | 18.20 | 15.10 | 11.80 | 11.65 |
| Eom | 11.20 | 10.40 | e9.55 | 9.80 | 10.75 | 13.35 | 24.05 | 22.25 | 17.90 | 14.50 | 11.60 | 12.05 |
| 1962 | | | | | | | | | | | | |
| 5 | -12.10 | -15.40 | -11.10 | -13.00 | -12.75 | -15.20 | ..... | -19.45 | ..... | ..... | -13.35 | -11.10 |
| 10 | 12.60 | 11.45 | ..... | 12.15 | 12.60 | 15.00 | -18.50 | 18.95 | ..... | ..... | 13.60 | 12.50 |
| 15 | 13.80 | 12.70 | 19.00 | 11.80 | 12.40 | 14.45 | 19.75 | 20.00 | ..... | ..... | 13.20 | 12.20 |
| 20 | 12.20 | 11.70 | e18.70 | 12.25 | 13.35 | 15.50 | 24.65 | 20.40 | ..... | -14.95 | 12.55 | 12.60 |
| 25 | 15.55 | 11.15 | ..... | 12.50 | 14.15 | 15.30 | 24.20 | 20.90 | ..... | 14.70 | 12.85 | 12.55 |
| Eom | 12.20 | 10.90 | 12.80 | 12.40 | 14.40 | 15.85 | 23.45 | ..... | ..... | 14.10 | 12.30 | 13.20 |
| 1963 | | | | | | | | | | | | |
| 5 | -12.30 | -12.40 | -11.45 | -13.55 | -13.80 | -14.85 | -30.55 | -32.40 | -26.40 | -19.60 | -16.50 | -14.60 |
| 10 | 12.15 | 11.95 | 11.60 | 19.80 | 14.30 | 14.85 | 31.30 | 32.90 | 24.50 | 26.70 | 14.85 | 14.30 |
| 15 | 11.75 | 12.20 | 11.40 | 21.30 | 14.40 | 15.50 | 32.10 | ..... | 22.95 | 26.65 | 15.75 | 14.05 |
| 20 | 11.05 | 11.80 | 11.00 | 14.75 | 15.10 | 17.70 | 33.10 | 26.40 | 21.55 | 18.75 | 15.10 | 14.35 |
| 25 | 12.45 | 12.30 | 12.60 | 14.15 | 15.20 | 18.40 | 32.40 | 25.80 | 20.35 | 17.05 | 14.95 | 16.60 |
| Eom | 12.15 | 12.10 | 12.80 | 13.60 | 15.20 | 26.80 | 32.50 | 26.00 | 20.00 | 17.30 | 15.50 | 15.20 |
| 1964 | | | | | | | | | | | | |
| 5 | -14.40 | -12.80 | -14.20 | -11.95 | -12.00 | -15.30 | -28.30 | -29.65 | -31.25 | -17.55 | -13.85 | -12.55 |
| 10 | 14.20 | 12.35 | 13.45 | 12.20 | 13.00 | 16.25 | ..... | 30.75 | 30.50 | 16.40 | 13.20 | 12.45 |
| 15 | 13.60 | 12.75 | 13.60 | 12.45 | 12.60 | ..... | ..... | 31.10 | 21.40 | 15.70 | 13.15 | 13.10 |
| 20 | 13.15 | 12.60 | 13.15 | 12.25 | 12.65 | ..... | 29.45 | 31.00 | 20.35 | 15.50 | 13.45 | 13.10 |
| 25 | 13.50 | 20.05 | 12.40 | 12.75 | 13.80 | ..... | 28.65 | 31.10 | 19.60 | 15.10 | 12.55 | 11.90 |
| Eom | 13.45 | 21.55 | 12.20 | 11.80 | 22.15 | 28.05 | 30.40 | 30.55 | 18.15 | 14.50 | 12.50 | 12.30 |
| 1965 | | | | | | | | | | | | |
| 5 | -11.65 | -13.05 | -12.65 | -14.30 | -16.25 | -22.00 | -28.10 | -28.00 | -28.20 | -17.25 | -13.35 | -12.20 |
| 10 | 11.50 | 12.40 | 12.40 | 12.45 | 12.75 | 14.75 | 25.70 | 28.20 | 28.50 | 16.05 | 13.25 | 12.30 |
| 15 | 12.55 | 15.90 | 12.75 | 12.40 | 20.40 | 17.75 | 25.55 | 29.05 | 27.25 | ..... | 12.45 | 11.05 |
| 20 | 13.10 | 13.00 | ..... | 12.05 | 22.55 | 14.20 | 26.75 | 29.85 | 19.85 | 14.90 | 12.80 | 10.95 |
| 25 | 17.25 | 12.60 | 19.25 | 12.20 | 22.30 | 23.10 | 27.10 | 30.15 | 22.95 | 14.50 | 12.20 | 10.80 |
| Eom | 12.40 | 13.00 | 18.60 | 12.75 | 21.55 | 25.05 | 28.15 | 29.10 | 17.50 | 13.75 | 11.80 | 10.60 |
| 1966 | | | | | | | | | | | | |
| 5 | -11.20 | -12.15 | -18.30 | e-12.15 | -12.00 | -13.80 | -23.70 | -25.40 | -27.90 | -19.35 | -16.85 | ..... |
| 10 | 11.45 | 12.40 | 17.85 | 12.00 | 11.40 | 13.85 | 20.10 | 28.60 | 26.95 | 19.00 | ..... | ..... |
| 15 | 11.20 | 11.90 | ..... | 11.25 | 11.90 | 14.10 | 28.05 | 28.40 | 24.30 | 19.55 | ..... | ..... |
| 20 | 11.10 | 11.60 | ..... | 11.50 | 12.50 | 14.90 | 27.75 | 25.00 | 22.80 | 27.50 | ..... | ..... |
| 25 | 11.05 | 11.45 | 11.80 | 11.15 | 12.95 | 15.60 | 31.10 | 29.45 | 21.20 | 18.50 | ..... | ..... |
| Eom | 12.70 | 11.25 | 11.20 | 11.35 | 13.10 | 24.35 | 16.60 | 27.90 | 22.55 | 17.35 | ..... | ..... |

e Estimated.

Essex County

404452N0742116.1. Local number 25.15.7.5.4. (Well 30). Commonwealth Water Co. About 0.3 mi north of Canoe Brook pumping station. Near Chatham. 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 86.2 above msl, Sept. 18, 1966. Records available: 1925-67. Affected by nearby pumping.

Lowest water level for the day, above msl, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------------|-------------|--------------|--------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 5 | +99.0 | +99.7 | +101.3 | +102.3 | +102.0 | +103.3 | +95.6 | +94.5 | +92.1 | +92.3 | +91.4 | +93.7 |
| 10 | 99.4 | 99.6 | 101.6 | 102.3 | 102.4 | 100.9 | 95.6 | 94.1 | 92.3 | 93.2 | 91.2 | 93.8 |
| 15 | 99.8 | 100.8 | 101.9 | 101.6 | 103.1 | 96.8 | 96.0 | 94.4 | 92.3 | 91.5 | 91.3 | 93.6 |
| 20 | 100.3 | 101.7 | 102.2 | 101.0 | ..... | 95.6 | 94.7 | 92.9 | 92.0 | 91.9 | ..... | 91.0 |
| 25 | 99.8 | 101.6 | 102.2 | 102.7 | 102.9 | 98.0 | 94.7 | 94.3 | 92.2 | 92.2 | 93.5 | 90.9 |
| Eom | 99.6 | 101.4 | 102.3 | 102.1 | 103.1 | 95.2 | 94.3 | 92.4 | 92.1 | 91.6 | 93.5 | 90.2 |

404452N0742116.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +90.3 | ..... | +104.7 | +97.6 | +98.8 | +92.6 | +102.4 | ..... | +91.0 | +90.7 | +89.9 | +88.6 |
| 10 | 90.2 | ..... | 111.2 | 104.0 | 95.7 | 92.6 | ..... | ..... | 91.4 | 90.3 | 89.5 | ..... |
| 15 | 90.1 | ..... | 123.2 | 101.5 | 95.4 | 91.7 | 92.6 | +89.8 | 90.1 | 90.4 | 89.5 | 88.5 |
| 20 | 90.3 | ..... | 110.4 | e98.6 | 94.1 | 94.7 | 90.4 | 90.2 | ..... | 90.1 | ..... | 90.2 |
| 25 | 90.6 | +122.6 | 109.6 | 95.0 | 92.4 | 95.6 | 90.6 | 89.9 | e90.2 | 90.0 | ..... | ..... |
| Eom | 98.6 | 105.7 | 107.7 | 98.8 | 91.9 | ..... | ..... | 90.2 | 90.5 | 89.2 | 89.9 | e88.6 |
| 1965 | | | | | | | | | | | | |
| 5 | e+88.8 | +89.2 | +90.3 | +104.8 | +89.8 | +89.2 | +89.3 | +88.2 | +90.0 | +90.7 | +93.9 | +95.5 |
| 10 | 88.8 | 89.4 | 92.7 | 96.7 | 89.7 | 89.2 | 88.7 | 88.2 | 90.7 | 90.7 | 87.9 | 95.6 |
| 15 | 88.7 | 89.5 | 97.7 | 91.2 | 89.4 | 89.2 | 88.7 | 88.1 | 90.8 | 90.8 | 93.4 | 94.8 |
| 20 | 88.8 | 89.6 | 100.0 | 90.4 | 89.2 | 89.5 | 89.1 | 87.8 | 90.7 | 91.2 | 91.5 | 92.8 |
| 25 | 89.1 | 89.9 | 101.2 | 90.1 | 89.2 | 89.0 | 88.7 | 88.4 | 90.4 | 91.0 | 93.8 | 91.7 |
| Eom | 89.0 | 89.4 | 101.8 | 90.0 | 89.3 | 89.1 | 88.4 | 88.3 | 90.8 | 93.1 | 91.5 | 91.6 |
| 1966 | | | | | | | | | | | | |
| 5 | +93.1 | +89.2 | +100.4 | +97.3 | +105.7 | +96.7 | +88.2 | +89.5 | +87.6 | +86.7 | +83.7 | +87.7 |
| 10 | 91.9 | 88.8 | 116.0 | 96.5 | 101.2 | .... | 87.8 | 88.6 | 86.7 | 86.8 | 87.1 | 86.9 |
| 15 | 91.7 | 90.7 | .... | 96.9 | 98.9 | 90.8 | 87.0 | 87.6 | 86.4 | 86.6 | 87.0 | 86.8 |
| 20 | 92.1 | 95.1 | e130.0 | 90.3 | 103.1 | 90.9 | 87.0 | 86.9 | 86.3 | 86.6 | 86.9 | 86.9 |
| 25 | 89.9 | 94.0 | 111.0 | 95.0 | 112.5 | 89.6 | 86.9 | 86.7 | 86.5 | 86.9 | .... | 87.0 |
| Eom | 90.7 | 96.3 | 102.0 | 90.9 | 111.9 | 88.8 | 89.0 | 86.5 | 86.6 | 87.0 | 87.1 | 86.9 |
| 1967 | | | | | | | | | | | | |
| 5 | +87.0 | ..... | +111.6 | +98.6 | +99.6 | +97.5 | +95.1 | +94.3 | +94.0 | +90.5 | +90.5 | +91.7 |
| 10 | 93.2 | ..... | 107.3 | 99.8 | 101.6 | .... | 94.6 | 94.3 | 91.5 | 90.6 | 91.0 | 91.4 |
| 15 | .... | ..... | 105.2 | 102.3 | 103.9 | .... | 94.4 | 94.4 | 91.4 | 90.6 | 90.9 | 97.1 |
| 20 | .... | ..... | .... | 104.6 | 101.3 | .... | 94.7 | 94.7 | 90.9 | 90.3 | 90.9 | 106.8 |
| 25 | .... | ..... | 103.7 | 102.7 | 99.2 | .... | 94.8 | 94.2 | 91.1 | 90.6 | 91.3 | 116.1 |
| Eom | .... | ..... | 99.2 | 101.4 | 98.3 | .... | 94.8 | 94.8 | 90.8 | 91.1 | 91.7 | 100.0 |

e Estimated.

404454N0742021.1. Local number 25, 15.7.5.9. East Orange Water Dept. North side Canoe Brook below Parsonage Hill Rd. 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 116.25 above msl, Apr. 10, 1967. Records available: 1925-67.

| Lowest water level for the day, above msl, from recorder graph, 1963 | | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +129.60 | +130.05 | +130.45 | +131.20 | +130.80 | +131.20 | +125.80 | +124.20 | +120.15 | +122.90 | +121.90 | +120.90 |
| 10 | 129.50 | 130.00 | 130.70 | e132.10 | 130.50 | 129.70 | 124.70 | 123.40 | 120.00 | 121.65 | ..... | 120.70 |
| 15 | 130.60 | 132.00 | 132.60 | ..... | 129.75 | 127.20 | 124.85 | 120.20 | 121.55 | ..... | ..... | 123.60 |
| 20 | 132.35 | 130.75 | 130.90 | ..... | 129.55 | 128.20 | 125.45 | 122.05 | 121.45 | ..... | ..... | 122.55 |
| 25 | 129.95 | 130.75 | 131.00 | ..... | 132.25 | 126.40 | 124.50 | 121.90 | 121.25 | ..... | 121.50 | 120.85 |
| Eom | 131.95 | 132.20 | 132.80 | ..... | 130.80 | 127.10 | 124.20 | ..... | 122.25 | 121.85 | 122.80 | 121.60 |
| 1964 | | | | | | | | | | | | |
| 5 | +121.40 | +129.55 | ..... | +127.95 | +126.20 | +124.15 | ..... | +119.60 | +119.05 | +120.75 | +123.60 | +120.20 |
| 10 | 120.60 | 134.55 | ..... | 126.90 | 125.10 | 122.60 | ..... | 119.35 | 119.70 | 124.00 | 123.35 | 120.35 |
| 15 | 122.10 | ..... | ..... | 125.60 | 126.30 | 122.45 | 120.35 | 118.75 | 120.95 | 123.80 | 127.00 | 120.95 |
| 20 | 121.60 | ..... | +134.10 | 125.10 | 123.25 | 122.20 | 119.60 | 118.80 | 120.80 | 121.50 | 121.50 | 121.45 |
| 25 | 120.40 | ..... | 132.35 | 124.20 | 123.00 | 123.25 | 119.45 | 118.60 | 120.75 | 122.05 | 127.05 | 121.25 |
| Eom | 124.75 | ..... | 129.40 | 126.75 | 122.25 | ..... | 119.60 | 118.50 | 120.85 | 120.45 | 113.15 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | ..... | +120.65 | +127.55 | +120.10 | +120.85 | +120.30 | +118.10 | +118.60 | +118.30 | +118.80 | +121.85 |
| 10 | +122.70 | ..... | 121.25 | 123.35 | 120.25 | 119.60 | 119.80 | 118.05 | 118.50 | 118.70 | 118.65 | 120.50 |
| 15 | 121.45 | ..... | 123.45 | 122.50 | 119.85 | 119.55 | 119.80 | 118.00 | 119.25 | 118.35 | 120.30 | ..... |
| 20 | ..... | ..... | 125.15 | 121.20 | 119.65 | 119.60 | 120.00 | 117.85 | 120.80 | 118.45 | 127.45 | ..... |
| 25 | ..... | ..... | 124.20 | 120.40 | 119.60 | 121.00 | 119.50 | 117.85 | 118.40 | 117.85 | 127.30 | ..... |
| Eom | ..... | ..... | 127.90 | 120.70 | 121.05 | 120.70 | 118.20 | 119.40 | 119.30 | 119.10 | 127.60 | ..... |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | +122.40 | +129.00 | +128.40 | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | ..... | ..... | ..... | 121.40 | 124.10 | 122.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | 123.70 | 123.30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | 120.80 | 124.70 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | ..... | ..... | ..... | 120.35 | 133.10 | ..... | ..... | ..... | ..... | +119.05 | ..... | ..... |
| Eom | ..... | ..... | +123.65 | 122.20 | 134.50 | ..... | ..... | ..... | ..... | 118.65 | ..... | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | ..... | ..... | +125.80 | +120.15 | ..... | +122.08 | +119.90 | +121.35 | ..... | ..... | ..... | ..... |
| 10 | ..... | ..... | 123.60 | 116.25 | ..... | ..... | ..... | 119.40 | ..... | ..... | ..... | ..... |
| 15 | ..... | ..... | 123.25 | 116.85 | ..... | 121.40 | ..... | 121.91 | ..... | ..... | ..... | ..... |
| 20 | ..... | ..... | 120.65 | 116.35 | ..... | 119.35 | ..... | 119.55 | ..... | ..... | ..... | ..... |
| 25 | ..... | +130.90 | 120.70 | ..... | ..... | 119.30 | 119.85 | ..... | ..... | ..... | ..... | ..... |
| Eom | ..... | 130.95 | ..... | ..... | ..... | 119.05 | 121.35 | ..... | ..... | ..... | +121.40 | ..... |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

Gloucester County

395228N0750939.1. Local number 31, 11.2.7.2. (Well 3). The Texas Co. Eagle Point, Westville. Drilled observation artesian well in Raritan and Magothly Formations of Late 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, 1.96 ft above lsd. Highest water level 15.7 below msl, Nov. 25, 1950; lowest 65.30 below msl, June 28, 1963. Records available: 1949-67.

395228N0750939.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -56.0 | -56.6 | -54.5 | -53.6 | -53.3 | -58.3 | -60.1 | -57.5 | -54.3 | -55.1 | -54.3 | -56.3 |
| 10 | 55.7 | 56.7 | 52.6 | 52.8 | e57.2 | 58.0 | 58.9 | 58.1 | 50.9 | 48.1 | 53.2 | 54.6 |
| 15 | 55.8 | 56.2 | 54.5 | 54.2 | 56.1 | 58.8 | 54.8 | 58.5 | 49.2 | 48.3 | 55.2 | 52.2 |
| 20 | 56.0 | 56.5 | 53.3 | 56.0 | 56.7 | 58.6 | 56.1 | 57.5 | 52.5 | 47.0 | .... | 56.3 |
| 25 | 58.0 | 54.2 | 54.5 | 53.4 | .... | 61.1 | 58.1 | 55.2 | 49.7 | e50.6 | 54.3 | 54.4 |
| Eom | 57.0 | 53.4 | 54.7 | 53.2 | 54.2 | 59.8 | .... | 52.6 | 52.1 | 49.4 | 52.2 | 53.8 |
| 1964 | | | | | | | | | | | | |
| 5 | -55.8 | -57.7 | -56.4 | -44.2 | -54.0 | -59.8 | -58.8 | -58.3 | -62.7 | -55.6 | -58.8 | -60.8 |
| 10 | 57.5 | 53.3 | 56.4 | 50.6 | 50.8 | 60.9 | .... | 58.7 | 62.4 | 60.0 | 57.7 | 60.0 |
| 15 | 55.5 | 55.4 | 44.4 | e51.0 | 56.8 | e59.4 | 60.4 | 60.0 | 56.1 | 59.4 | 57.8 | 58.3 |
| 20 | 58.2 | 54.8 | e48.0 | 53.7 | 57.2 | e58.6 | 60.2 | e60.2 | 53.9 | 58.2 | 58.6 | 59.2 |
| 25 | 57.2 | 55.3 | 51.5 | e51.0 | 59.3 | 60.3 | 58.1 | .... | 58.3 | 56.5 | 59.7 | 58.8 |
| Eom | 58.7 | 55.4 | .... | 53.7 | 58.0 | 63.7 | 61.8 | 59.0 | 55.4 | 58.9 | 58.2 | 57.6 |
| 1965 | | | | | | | | | | | | |
| 5 | -57.2 | -57.7 | -57.5 | -45.4 | .... | -57.3 | -58.9 | -60.1 | -58.3 | e-56.0 | -57.3 | -51.6 |
| 10 | 58.8 | 58.5 | 51.7 | e49.5 | -58.4 | 59.6 | 61.6 | 60.3 | 62.5 | 48.9 | 57.0 | 53.9 |
| 15 | 58.9 | 60.5 | 48.5 | 48.6 | 61.0 | 56.4 | 61.5 | 61.4 | 61.3 | 59.6 | 52.3 | 53.2 |
| 20 | 59.3 | e56.3 | 48.3 | 46.7 | 60.4 | 57.6 | 60.5 | .... | 58.6 | 57.1 | 49.1 | 55.9 |
| 25 | 57.1 | 56.4 | 46.7 | 50.4 | 55.4 | .... | 59.9 | 60.6 | e69.8 | 54.2 | 48.8 | 55.4 |
| Eom | e57.8 | 56.9 | 45.2 | e56.5 | 57.7 | 56.7 | 62.4 | 60.8 | 58.5 | 56.0 | 50.9 | 58.5 |
| 1966 | | | | | | | | | | | | |
| 5 | -58.6 | -61.3 | .... | -54.2 | -51.2 | -54.5 | -57.6 | -54.6 | -55.4 | -43.2 | -52.3 | -48.9 |
| 10 | 58.7 | 60.7 | .... | 51.7 | 51.4 | 54.6 | 56.8 | 53.8 | 52.7 | 47.5 | 53.8 | 50.5 |
| 15 | 58.8 | 60.5 | -56.9 | 49.4 | 50.4 | 53.7 | 59.1 | 52.3 | 51.8 | .... | 53.9 | 48.9 |
| 20 | 59.8 | 60.6 | 54.6 | 50.5 | 52.7 | 48.4 | 55.3 | 55.4 | 52.6 | 52.1 | 49.4 | 45.4 |
| 25 | .... | 60.0 | 59.4 | 49.4 | 51.2 | 54.7 | 54.1 | 56.5 | 51.1 | .... | 49.4 | 47.4 |
| Eom | 58.1 | 61.8 | 57.9 | 48.6 | 51.2 | 60.1 | 54.3 | 59.5 | 45.8 | 48.7 | 48.4 | 47.8 |
| 1967 | | | | | | | | | | | | |
| 5 | -49.5 | -48.5 | -48.9 | -49.1 | -53.5 | -53.6 | -54.9 | -54.4 | -51.9 | -50.4 | -43.0 | -48.5 |
| 10 | 49.4 | 50.9 | 50.0 | 50.2 | 52.3 | 56.5 | 54.8 | 53.5 | 51.4 | 51.0 | 43.6 | 48.2 |
| 15 | 49.7 | 51.1 | 48.5 | 52.4 | 48.4 | 54.8 | 52.5 | 51.8 | 50.2 | 46.5 | 44.2 | 49.7 |
| 20 | e49.8 | 48.0 | 47.9 | 52.5 | 51.3 | 56.6 | 52.6 | 54.2 | 51.3 | 43.2 | 47.0 | 49.1 |
| 25 | 51.6 | 49.0 | 49.0 | 50.2 | 49.7 | 54.9 | 52.7 | 55.2 | 50.0 | 42.1 | 48.7 | 46.7 |
| Eom | 49.7 | 50.2 | 51.6 | 51.6 | 51.6 | 54.8 | 52.5 | 52.2 | e49.5 | 43.5 | 48.5 | .... |

e Estimated.

Middlesex County

402553N0742717.1. Local number 28.4.4.2.1. Robert D. Fisher. Hoey's Corner Rd. Dug observation water-table well in Farrington Sand Member of Raritan Formation of Late Cretaceous age, diam 4½ ft, depth 21 ft (17 ft prior to October 1965), 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, many times during 1963-65. Records available: 1936-67.

| End-of-day water level, above msl, from recorder graph, 1963 | | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +58.00 | +57.86 | +58.61 | +58.70 | +58.49 | +58.05 | +57.54 | +57.02 | +56.47 | +56.12 | (f) | (f) |
| 10 | 57.96 | 57.85 | 58.61 | 58.74 | 58.44 | 57.97 | 57.45 | 56.92 | 56.38 | 56.11 | (f) | (f) |
| 15 | 57.94 | 58.21 | 58.54 | 58.68 | 58.37 | 57.89 | 57.40 | 56.83 | 56.39 | 56.10 | (f) | (f) |
| 20 | 57.99 | 58.43 | 58.64 | 58.64 | 58.29 | 57.81 | 57.29 | 56.74 | 56.26 | 56.10 | (f) | (f) |
| 25 | 57.86 | 58.19 | 58.64 | ..... | 58.21 | 57.72 | 57.18 | 56.65 | 56.16 | 56.08 | (f) | (f) |
| Eom | 57.81 | 58.14 | 58.69 | e58.60 | 58.11 | 57.64 | 57.10 | 56.54 | 56.30 | (f) | (f) | (f) |
| 1964 | | | | | | | | | | | | |
| 5 | (f) | +56.55 | +57.41 | +57.66 | +58.36 | +58.55 | +58.05 | +57.98 | +57.46 | +56.97 | +56.42 | (f) |
| 10 | (f) | 56.73 | 57.45 | 57.77 | 58.51 | 58.50 | 58.15 | 57.90 | 57.35 | 56.86 | 56.33 | (f) |
| 15 | (f) | 56.85 | 57.50 | 57.90 | 58.61 | 58.44 | 58.30 | 57.86 | 57.27 | 56.76 | 56.25 | (f) |
| 20 | (f) | 56.97 | 57.55 | 58.01 | 58.63 | 58.34 | 58.17 | 57.79 | 57.18 | 56.68 | 56.18 | (f) |
| 25 | +56.21 | e57.13 | 57.61 | 58.13 | 58.66 | 58.24 | 58.12 | 57.70 | 57.10 | 56.59 | 56.13 | (f) |
| Eom | 56.37 | e57.25 | 57.64 | 58.29 | 58.61 | 58.14 | 58.05 | 57.59 | 57.06 | 56.50 | 56.12 | (f) |
| 1965 | | | | | | | | | | | | |
| 5 | (f) | (f) | +56.88 | +57.17 | e57.58 | +57.52 | +57.13 | +56.65 | +56.19 | (f) | +55.37 | +55.10 |
| 10 | (f) | +56.30 | 56.90 | 57.28 | 57.62 | 57.46 | 57.04 | 56.59 | 56.10 | (f) | 55.34 | 55.05 |
| 15 | (f) | 56.40 | 56.93 | 57.34 | 57.62 | 57.38 | 56.97 | 56.51 | 56.09 | (f) | 55.30 | 55.00 |
| 20 | (f) | 56.56 | 56.99 | 57.43 | 57.63 | 57.33 | 56.92 | 56.43 | (f) | (f) | 55.26 | 54.98 |
| 25 | (f) | 56.70 | 57.04 | 57.48 | 57.63 | 57.25 | 56.84 | 56.35 | (f) | (f) | 55.19 | 54.92 |
| Eom | (f) | 56.75 | 57.12 | 57.55 | 57.58 | 57.19 | 56.74 | 56.25 | (f) | e+55.46 | 55.16 | 54.88 |
| 1966 | | | | | | | | | | | | |
| 5 | +54.84 | +54.67 | +55.48 | +56.18 | +56.18 | +56.69 | +56.87 | +56.35 | +55.86 | +56.30 | +56.92 | +57.01 |
| 10 | 54.83 | 54.64 | 55.66 | 56.18 | 56.16 | 56.82 | 56.80 | 56.25 | 55.77 | 56.28 | 56.98 | 56.96 |
| 15 | 54.79 | 55.00 | 55.82 | 56.19 | 56.15 | 56.92 | 56.70 | 56.22 | 55.94 | 56.28 | 57.04 | 56.96 |
| 20 | 54.76 | ..... | 55.92 | 56.16 | 56.39 | 56.96 | 56.64 | 56.16 | 55.66 | 56.68 | 57.04 | 56.96 |
| 25 | 54.72 | 55.28 | 56.02 | 56.18 | 56.40 | 56.96 | 56.54 | 56.05 | 56.37 | 56.66 | 57.05 | 56.96 |
| Eom | 54.70 | 55.34 | 56.12 | 56.16 | 56.60 | 56.94 | 56.44 | 55.94 | 56.26 | 56.83 | 57.10 | 57.04 |
| 1967 | | | | | | | | | | | | |
| 5 | +57.12 | +57.62 | +57.82 | +59.08 | +59.26 | +59.88 | +59.54 | +59.30 | ..... | +59.46 | +58.76 | +58.14 |
| 10 | 57.20 | 57.67 | 58.42 | 59.14 | 59.43 | 59.85 | 59.37 | 59.52 | ..... | 59.37 | 58.62 | 58.05 |
| 15 | 57.27 | 57.70 | 58.65 | 59.19 | 59.63 | 59.75 | 59.31 | 59.46 | ..... | 59.22 | 58.52 | 58.22 |
| 20 | 57.36 | 57.73 | 58.80 | 59.22 | 59.72 | 59.68 | 59.21 | 59.52 | ..... | 59.11 | 58.40 | 58.25 |
| 25 | 57.42 | 57.78 | 58.93 | 59.24 | 59.83 | 59.60 | 59.28 | 59.56 | ..... | 59.04 | 58.30 | 58.31 |
| Eom | 57.58 | 57.81 | 59.01 | 59.29 | 59.89 | 59.47 | 59.14 | 59.90 | +59.58 | 58.88 | 58.18 | 58.36 |

e Estimated.

f Dry.

402439N074124.1. Local number 28.5.4.8.1. (Well 1). Duhernal Water System. About $\frac{1}{2}$ mi east of traffic circle on Rt. 18 near Old Bridge. Drilled observation water-table well in Old Bridge Sand Member of Raritan Formation of Late Cretaceous age, diam 6 in, depth 67 ft, cased with steel. Lsd 18.7 ft above msl. M^o 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: 1938-67.

| End-of-day water level, above msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +4.42 | +4.18 | +4.46 | +4.74 | +4.40 | +4.07 | +3.79 | +3.53 | +3.40 | +3.50 | +3.23 +3.96 |
| 10 | 4.47 | 4.22 | 4.61 | 4.76 | 4.39 | 4.08 | 3.80 | 3.52 | 3.41 | 3.41 | 3.75 3.92 |
| 15 | 4.41 | 4.31 | 4.70 | 4.64 | 4.27 | 4.02 | 3.74 | 3.47 | 3.56 | 3.32 | 3.89 3.88 |
| 20 | 4.35 | 4.26 | 4.76 | 4.55 | 4.24 | 4.03 | 3.71 | 3.45 | 3.56 | 3.29 | 3.90 3.76 |
| 25 | 4.24 | 4.34 | 4.83 | 4.60 | 4.20 | 3.92 | 3.66 | 3.39 | 3.44 | 3.25 | 3.82 3.71 |
| Eom | 4.18 | 4.30 | 4.83 | 4.51 | 4.12 | 3.84 | 3.54 | 3.32 | 3.43 | 3.22 | 3.92 3.76 |
| 1964 | | | | | | | | | | | |
| 5 | +3.73 | +4.23 | +4.50 | +4.37 | +4.97 | +4.55 | +4.10 | +4.35 | +3.94 | +3.84 | +3.64 +3.47 |
| 10 | 3.84 | 4.29 | 4.50 | 4.53 | .... | 4.60 | 4.32 | 4.32 | 3.87 | 3.82 | 3.58 3.45 |
| 15 | 4.00 | 4.40 | 4.58 | 4.68 | 5.06 | 4.52 | 4.47 | 4.16 | 3.85 | 3.70 | 3.51 3.41 |
| 20 | 4.04 | 4.46 | 4.48 | 4.76 | 4.91 | 4.39 | 4.39 | 4.06 | 3.85 | 3.77 | 3.58 e3.47 |
| 25 | 4.15 | 4.42 | 4.62 | 4.88 | 4.78 | 4.30 | 4.44 | 4.02 | 3.83 | 3.72 | 3.49 3.62 |
| Eom | 4.29 | 4.48 | 4.55 | 4.99 | 4.64 | 4.19 | 4.34 | 3.95 | 3.76 | 3.61 | 3.47 3.65 |
| 1965 | | | | | | | | | | | |
| 5 | +3.65 | +3.73 | +4.30 | +4.44 | +4.62 | +4.27 | +4.00 | +3.78 | +3.44 | +3.35 | +3.11 +2.99 |
| 10 | 3.68 | 3.90 | 4.34 | 4.49 | e4.55 | 4.17 | 3.87 | 3.71 | 3.42 | 3.42 | 3.13 3.00 |
| 15 | 3.73 | 4.08 | 4.28 | 4.58 | 4.57 | 4.17 | 3.83 | 3.65 | 3.43 | 3.32 | 3.14 3.14 |
| 20 | 3.83 | 4.19 | 4.39 | 4.60 | 4.49 | 4.12 | 3.81 | 3.59 | 3.34 | 3.29 | 3.13 3.06 |
| 25 | 3.85 | 4.25 | 4.30 | 4.53 | 4.33 | 4.06 | 3.79 | 3.58 | 3.52 | e3.40 | 3.18 2.97 |
| Eom | 3.82 | 4.18 | 4.34 | 4.59 | 4.32 | 4.06 | 3.86 | 3.50 | 3.58 | 3.21 | 3.05 2.87 |
| 1966 | | | | | | | | | | | |
| 5 | +2.85 | +3.10 | +4.02 | +4.11 | +3.98 | +4.16 | +3.78 | +3.37 | +3.22 | +4.50 | +4.43 +4.12 |
| 10 | 3.00 | 3.06 | 4.13 | 4.02 | 3.87 | 4.06 | 3.68 | 3.31 | 3.15 | 4.33 | 4.47 4.14 |
| 15 | 2.90 | 3.36 | 4.15 | 3.95 | 3.78 | 4.02 | 3.57 | 3.33 | 3.32 | 4.27 | 4.45 4.12 |
| 20 | 2.87 | 3.72 | 4.14 | 3.95 | 3.93 | 3.99 | 3.56 | 3.44 | 3.40 | 4.35 | 4.26 |
| 25 | 3.16 | 3.85 | 4.16 | 3.89 | 4.03 | 3.90 | 3.50 | 3.29 | 4.34 | 4.41 | 4.21 |
| Eom | 3.02 | 3.93 | 4.03 | 3.91 | 4.13 | 3.84 | 3.46 | 3.22 | 4.54 | 4.51 | 4.28 |
| 1967 | | | | | | | | | | | |
| 5 | +4.21 | +4.29 | +4.20 | +5.10 | +5.07 | e+5.22 | +4.72 | +4.80 | +5.96 | +5.19 | +4.80 +4.41 |
| 10 | 4.26 | .... | 4.67 | 5.15 | 5.24 | 5.06 | 4.67 | 4.97 | 5.75 | 5.12 | 4.64 4.38 |
| 15 | .... | 4.14 | 5.07 | 5.08 | 5.30 | .... | 4.66 | 5.07 | 5.66 | 5.00 | 4.55 4.56 |
| 20 | 4.16 | 4.14 | e5.05 | 5.06 | 5.32 | .... | .... | 5.11 | 5.52 | 4.91 | 4.67 |
| 25 | 4.17 | 4.08 | 5.19 | 5.05 | 5.45 | 4.90 | 4.70 | 5.05 | .... | 4.75 | 4.29 e4.73 |
| Eom | 4.26 | 4.14 | 5.20 | 5.24 | 5.40 | .... | 4.68 | 5.91 | 5.25 | 4.74 | 4.23 4.82 |

e Estimated.

402143N0741852.1. Local number 29.11.1.2.3. Joseph Morrell. Near Moerls Corner. Dug observation water-table well in Englishtown Formation of Late Cretaceous age, diam 17 in, depth 11 ft (9 ft prior to July 1963), 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 75.58 above msl, Mar. 7, 1967; lowest 66.44 above msl, Oct. 6, 1957. Records available: 1923-67.

| End-of-day water level, above msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|--------|---------|--------|--------|---------|---------|--------|--------|--------|---------|---------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +73.69 | +73.94 | +74.52 | +73.74 | +73.51 | +73.14 | +70.73 | +69.43 | +68.30 | +70.21 | +70.52 +73.90 |
| 10 | 73.78 | 73.83 | 74.21 | 73.67 | 73.28 | 72.68 | e70.48 | 69.20 | 68.19 | 70.31 | 73.63 74.26 |
| 15 | 73.98 | 74.14 | 74.16 | 73.67 | 73.17 | 72.36 | 70.35 | 68.99 | 68.94 | 70.34 | 73.18 74.03 |
| 20 | 74.28 | 74.51 | 74.54 | 73.52 | 73.03 | 71.88 | 70.07 | 68.88 | 69.29 | 70.33 | 72.99 73.85 |
| 25 | 73.83 | 73.95 | 74.04 | 73.47 | 72.80 | 71.42 | 69.90 | 68.72 | 69.41 | 70.34 | 73.58 73.74 |
| Eom | 73.71 | 73.79 | 73.89 | 73.76 | 73.08 | 71.16 | 69.59 | 68.51 | 69.82 | 70.33 | 74.23 73.59 |
| 1964 | | | | | | | | | | | |
| 5 | +74.35 | +74.20 | +74.68 | +74.26 | +74.17 | +72.50 | +71.09 | +72.40 | +70.03 | e+71.45 | +72.02 +74.28 |
| 10 | 74.56 | 74.34 | 74.53 | 74.55 | 73.96 | 72.95 | 72.87 | 71.93 | 69.76 | e71.08 | 72.03 73.93 |
| 15 | 74.23 | 74.36 | 74.36 | 74.66 | 74.12 | 72.49 | 74.18 | 71.50 | 70.49 | 71.32 | 72.00 74.25 |
| 20 | 74.94 | 74.48 | 74.16 | 74.72 | 73.58 | 72.31 | 73.27 | 71.15 | 70.23 | 71.64 | 72.22 73.96 |
| 25 | 74.51 | 74.28 | 74.37 | 74.26 | 73.08 | 71.96 | 72.95 | 70.78 | 69.42 | 71.89 | 72.52 74.23 |
| Eom | 74.27 | 74.39 | 74.30 | 74.66 | 72.53 | 71.45 | 72.82 | 70.40 | e69.77 | 71.96 | 73.16 74.33 |
| 1965 | | | | | | | | | | | |
| 5 | +74.26 | e+74.15 | +74.93 | +74.40 | e+74.19 | e+72.59 | +71.10 | +70.63 | +69.78 | +69.45 | +70.15 +70.68 |
| 10 | 74.52 | 74.90 | 74.39 | 74.41 | e74.00 | 72.85 | 70.76 | 70.86 | 69.61 | 70.03 | 70.18 70.70 |
| 15 | e74.30 | 74.48 | e74.68 | 74.40 | e73.64 | 72.34 | 71.20 | 70.53 | 69.53 | 70.12 | 70.23 71.58 |
| 20 | e74.15 | e74.35 | e74.50 | 74.36 | e73.29 | 72.26 | e71.50 | 70.24 | 69.60 | 70.13 | 70.33 71.90 |
| 25 | e74.65 | e74.80 | e74.47 | 74.30 | e72.94 | 71.76 | 71.37 | 70.15 | 69.66 | 70.15 | 70.49 72.17 |
| Eom | e74.40 | 74.39 | 74.47 | 74.31 | e72.70 | 71.46 | 70.78 | 69.88 | 69.62 | 70.21 | 70.57 72.53 |
| 1966 | | | | | | | | | | | |
| 5 | +73.20 | +73.59 | +74.63 | +73.98 | +74.32 | +73.70 | +70.85 | +68.88 | +67.72 | +72.61 | +74.08 +74.10 |
| 10 | 73.42 | 74.08 | 74.33 | 73.93 | 74.20 | 73.22 | 70.45 | 68.63 | 67.53 | 72.32 | 74.00 74.06 |
| 15 | 73.20 | 74.62 | 74.20 | 73.98 | 74.02 | 72.77 | 70.02 | 68.48 | 67.75 | 72.26 | 73.89 74.29 |
| 20 | 73.06 | 74.43 | 74.13 | 73.87 | 74.60 | 72.31 | 69.83 | 68.34 | 67.83 | 74.32 | 73.79 74.84 |
| 25 | 74.10 | 74.74 | 74.34 | 74.27 | 74.31 | 71.73 | 69.48 | 68.16 | 71.38 | 73.72 | 73.83 74.40 |
| Eom | 73.67 | 75.35 | 74.08 | 75.06 | 74.25 | 71.34 | 69.14 | 67.92 | 71.68 | 73.53 | 74.33 74.57 |

402143N0741852. 1--Continued.

| 1967 | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +74.57 | +74.36 | +74.72 | +74.40 | +74.36 | +73.87 | +73.59 | +74.99 | ..... | +73.76 | +74.58 |
| 10 | 74.52 | 74.30 | 74.62 | 74.43 | 74.47 | 73.32 | 72.96 | 74.75 | ..... | 74.12 | 75.26 |
| 15 | 74.37 | 74.89 | 74.68 | 74.30 | 75.00 | 72.86 | 74.46 | 74.27 | ..... | 73.98 | 74.52 |
| 20 | 74.20 | 74.59 | 74.48 | 74.31 | 74.37 | 73.06 | 74.07 | 73.96 | ..... | 74.18 | 74.44 |
| 25 | 74.20 | 74.44 | 74.93 | 74.33 | 74.29 | 73.06 | 74.53 | 74.60 | ..... | 74.62 | 74.61 |
| Eom | 74.36 | 74.48 | 74.52 | 74.44 | 74.25 | 72.78 | 74.49 | e74.50 | +74.17 | e74.27 | +74.38 74.57 |

e Estimated.

Monmouth County

402122N0741846. 1. Local number 29.11.1.2.9. Walter Novak. Hillsboro Rd., about $\frac{1}{2}$ mi southeast of Moeris Corner. Dug observation water-table well in Englishtown Formation of Late Cretaceous age, diam $\frac{1}{2}$ ft, depth 19.2 ft, cased with concrete well blocks. Lsd 110.0 ft above msl. MP inner edge of door frame, 1.86 ft above lsd. Note--Prior to Dec. 28, 1965, depth 21 ft, lsd 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 94.98 above msl, Jan. 1-3, 22, 1966. Records available: 1936-67.

| End-of-day water level, above msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|---------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +97.29 | +97.16 | +97.18 | +97.84 | +97.47 | +97.01 | +96.57 | e+96.11 | e+95.73 | +95.70 | +95.37 +96.20 |
| 10 | 97.24 | 97.12 | 97.43 | 97.86 | 97.40 | 96.94 | 96.48 | e96.05 | e95.60 | 95.64 | 95.97 96.19 |
| 15 | 97.22 | 97.17 | 97.53 | 97.81 | 97.31 | 96.87 | 96.41 | e95.97 | e95.78 | 95.56 | 96.15 96.22 |
| 20 | 97.23 | 97.14 | 97.65 | 97.75 | 97.22 | 96.81 | 96.35 | e95.89 | e95.70 | 95.52 | 96.17 96.19 |
| 25 | 97.17 | 97.09 | 97.72 | 97.66 | 97.14 | 96.72 | 96.25 | e95.80 | e95.59 | 95.47 | 96.13 96.14 |
| Eom | 97.12 | 97.05 | 97.78 | 97.59 | 97.05 | 96.65 | e96.19 | e95.73 | e95.70 | 95.42 | 96.15 96.08 |

1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
|-----|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|---------------|
| 5 | +96.06 | +96.80 | +97.22 | +97.46 | +98.18 | +97.82 | e+97.28 | e+97.30 | +96.62 | +96.35 | +96.02 +95.78 |
| 10 | 96.14 | 96.82 | 97.33 | 97.62 | 98.23 | 97.77 | e97.55 | e97.19 | 96.52 | 96.30 | 95.96 95.93 |
| 15 | 96.24 | 96.85 | 97.40 | 97.92 | 98.21 | 97.70 | e97.75 | e97.08 | 96.49 | 96.23 | 95.90 96.08 |
| 20 | 96.40 | 96.92 | 97.43 | 97.98 | 98.15 | 97.59 | 97.70 | e96.98 | 96.42 | 96.20 | 95.85 96.16 |
| 25 | 96.57 | 96.96 | 97.48 | 98.02 | 98.07 | 97.48 | 97.56 | e96.88 | 96.33 | 96.15 | 95.87 96.20 |
| Eom | 96.78 | 97.05 | 97.47 | 98.12 | 97.92 | e97.37 | e97.43 | 96.74 | 96.28 | 96.07 | 95.77 96.24 |

1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 5 | +96.27 | +96.44 | +97.01 | +97.37 | +97.63 | +97.27 | +96.84 | +96.52 | +96.07 | +95.71 | +95.43 +95.13 |
| 10 | 96.31 | 96.54 | 97.03 | 97.45 | 97.65 | 97.20 | 96.75 | 96.47 | 96.01 | 95.69 | 95.39 95.10 |
| 15 | 96.35 | 96.88 | 97.05 | 97.52 | 97.61 | 97.12 | 96.72 | 96.41 | 95.93 | 95.65 | 95.34 95.09 |
| 20 | 96.38 | 96.97 | 97.11 | 97.56 | 97.53 | 97.05 | 96.78 | 96.34 | 95.88 | 95.61 | 95.28 95.08 |
| 25 | 96.39 | 96.97 | 97.19 | 97.61 | 97.47 | 96.96 | 96.68 | 96.27 | 95.82 | 95.55 | 95.23 e95.03 |
| Eom | 96.41 | 96.99 | 97.29 | 97.62 | 97.35 | 96.92 | 96.60 | 96.14 | 95.77 | 95.51 | 95.16 94.99 |

1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 5 | +94.99 | +95.15 | +96.50 | +96.37 | +96.21 | +96.58 | +96.36 | +95.88 | +95.43 | +96.27 | +96.47 +96.12 |
| 10 | 95.03 | 95.13 | 96.60 | 96.29 | 96.19 | 96.59 | 96.28 | 95.80 | 95.35 | 96.27 | 96.43 96.09 |
| 15 | 95.02 | 95.94 | 96.61 | 96.24 | 96.17 | 96.61 | 96.19 | 95.72 | 95.39 | 96.20 | 96.34 96.06 |
| 20 | 94.99 | 96.35 | 96.56 | 96.19 | 96.32 | 96.59 | 96.12 | 95.66 | 95.35 | 96.36 | 96.27 96.06 |
| 25 | 95.06 | 96.39 | 96.51 | 96.15 | 96.46 | 96.54 | 96.05 | 95.60 | 96.09 | 96.50 | 96.22 96.15 |
| Eom | 95.08 | 96.40 | 96.43 | 96.13 | 96.54 | 96.46 | 95.95 | e95.50 | 96.18 | 96.48 | 96.15 96.33 |

1967

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| 5 | +96.64 | +96.63 | +97.13 | +98.57 | +98.60 | +99.00 | +98.38 | +98.73 | +98.71 | +98.05 | +97.57 +97.43 |
| 10 | 96.72 | 96.62 | 97.82 | 98.63 | 98.78 | 98.89 | 98.28 | 98.90 | 98.64 | 97.95 | 97.48 97.61 |
| 15 | 96.71 | 96.65 | 97.97 | 98.64 | 98.95 | 98.77 | 98.38 | 98.87 | 98.43 | 97.89 | 97.39 97.77 |
| 20 | 96.67 | 96.87 | 98.01 | 98.60 | 98.99 | 98.65 | 98.35 | 98.73 | 98.31 | 97.81 | 97.34 97.82 |
| 25 | 96.62 | 97.05 | 98.12 | 98.51 | 99.05 | 98.53 | 98.30 | 98.60 | 98.20 | 97.74 | 97.27 97.83 |
| Eom | 96.62 | 97.10 | 98.39 | 98.62 | 99.05 | 98.42 | 98.60 | 98.83 | 98.14 | 97.64 | 97.23 97.90 |

e Estimated.

Morris County

404900N0742300. 1. (Whippany well). Jersey Central Power & Light Co. About 3 mi east of Whippany at power plant. 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: 1951-65. Well abandoned Aug. 24, 1965; measurement discontinued.

| Lowest water level for the day, above msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-----------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +174.80 | +174.85 | +174.75 | +174.80 | +174.90 | +174.70 | +174.40 | +174.10 | +173.90 | +173.75 | +173.60 +173.65 |
| 10 | 174.85 | 174.70 | 174.85 | 175.00 | 174.80 | ..... | 174.30 | 174.10 | 173.80 | 173.70 | 173.65 173.60 |
| 15 | 175.00 | 174.75 | 174.90 | 174.95 | 174.70 | ..... | 174.30 | 174.05 | 173.85 | 173.65 | 173.60 173.60 |
| 20 | 174.95 | 174.80 | 175.00 | 174.90 | 174.80 | 174.55 | 174.30 | 174.05 | 173.80 | 173.60 | 173.55 173.10 |
| 25 | 174.80 | 174.75 | 175.00 | 174.90 | 174.80 | 174.55 | 174.25 | 174.00 | 173.80 | 173.60 | 173.55 173.45 |
| Eom | 174.80 | 174.70 | 174.95 | 174.95 | 174.75 | 174.45 | 174.20 | 173.95 | 173.75 | 173.55 | 173.55 173.15 |

1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
|-----|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------------|
| 5 | +173.35 | +173.50 | +173.80 | +174.10 | +174.70 | +174.20 | +174.10 | +173.95 | +173.30 | +173.00 | +172.70 |
| 10 | 173.50 | 173.60 | 174.10 | 174.25 | 174.60 | 174.40 | 174.00 | 173.70 | 173.25 | 173.00 | +172.60 |
| 15 | ..... | 173.75 | 174.05 | 174.40 | 174.50 | 174.35 | 174.05 | 173.70 | 173.20 | 173.00 | +172.60 |
| 20 | 173.50 | e173.65 | 174.05 | 174.45 | 174.60 | 174.30 | 174.00 | 173.65 | 173.20 | 173.00 | +172.60 |
| 25 | 173.75 | 173.55 | 174.20 | 174.50 | 174.10 | 174.20 | 173.95 | 173.40 | 173.05 | 173.00 | +172.60 |
| Eom | 173.85 | 173.70 | 174.15 | 174.60 | 174.35 | 174.20 | 173.85 | 173.15 | 173.10 | 172.90 | +172.50 |

404900N0742300.1--Continued.

| 1965 | | | | | | | | | | | | |
|--------------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +172.65 | ..... | +172.85 | ..... | +173.00 | +172.70 | +172.35 | +172.00 | ..... | ..... | ..... | ..... |
| 10 | ..... | +172.75 | 172.85 | ..... | 173.10 | 172.65 | 172.20 | 171.95 | ..... | ..... | ..... | ..... |
| 15 | 172.65 | 172.85 | 172.80 | +173.05 | 173.00 | 172.55 | 172.20 | 171.90 | ..... | ..... | ..... | ..... |
| 20 | ..... | 172.85 | 172.85 | 173.05 | 172.90 | 172.50 | 172.10 | 171.80 | ..... | ..... | ..... | ..... |
| 25 | ..... | 172.90 | 172.85 | 173.05 | 172.80 | 172.45 | 172.05 | ..... | ..... | ..... | ..... | ..... |
| Eom | e172.65 | e172.90 | e172.90 | 173.10 | 172.75 | 172.40 | 171.95 | ..... | ..... | ..... | ..... | ..... |
| e. Estimated | | | | | | | | | | | | |

e Estimated.

Ocean County

395714N0742236.1. Local number 32.4.6.6.1. Mrs. William Crammer. Whiting. Dug unused water-table well in Cohansey Sand of Miocene(?) and Pliocene(?) age, diam 8 in, depth 69 ft, slotted steel casing, gravel-packed. Lsd 179.0 ft above msl. MP top of casing, 0.95 ft above lsd. Highest water level 130.17 above msl, Sept. 28, 1958; lowest dry, November 1957 to February 1958, December 1965. Records available: 1952-67.

| Lowest water level for the day, above msl, from recorder graph, 1952 | | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | +128.23 | +128.94 | +128.72 | +128.31 | +127.98 | +127.56 | +126.99 |
| 10 | ..... | ..... | ..... | ..... | +127.12 | 128.36 | 128.99 | 128.66 | 128.25 | 127.92 | 127.46 | 126.90 |
| 15 | ..... | ..... | ..... | ..... | 127.38 | 128.46 | 128.99 | 128.57 | 128.22 | 127.87 | 127.34 | 126.80 |
| 20 | ..... | ..... | ..... | ..... | 127.65 | 128.62 | 128.97 | 128.50 | 128.15 | 127.78 | 127.26 | 126.71 |
| 25 | ..... | ..... | ..... | ..... | 127.87 | 128.76 | 128.87 | 128.44 | 128.10 | 127.71 | 127.15 | 126.65 |
| Eom | ..... | ..... | ..... | ..... | 128.08 | 128.86 | 128.80 | 128.37 | 128.05 | 127.63 | 127.05 | 126.58 |
| 1953 | | | | | | | | | | | | |
| 5 | +126.53 | +126.91 | +127.28 | +128.03 | +129.01 | +129.65 | +129.47 | +128.99 | +128.43 | +127.82 | +127.09 | +126.46 |
| 10 | 126.52 | 127.01 | 127.32 | 128.28 | 129.17 | 129.66 | 129.39 | 128.90 | 128.32 | 127.70 | 127.98 | 126.36 |
| 15 | 126.47 | 127.10 | 127.38 | 128.45 | 129.31 | 129.67 | 129.32 | 128.80 | 128.25 | 127.59 | 126.89 | 126.27 |
| 20 | 126.56 | 127.15 | 127.42 | 128.64 | 129.44 | 129.67 | 129.25 | 128.70 | 128.14 | 127.47 | 126.78 | 126.19 |
| 25 | 126.66 | 127.24 | 127.55 | 128.74 | 129.53 | 129.57 | 129.14 | 128.62 | 128.03 | 127.37 | 126.69 | 126.16 |
| Eom | 126.79 | 127.26 | 127.80 | 128.87 | 129.61 | 129.54 | 129.06 | 128.52 | 127.91 | 127.22 | 126.56 | 126.14 |
| 1954 | | | | | | | | | | | | |
| 5 | +126.15 | +125.97 | +125.70 | +125.44 | +125.38 | +125.94 | +126.63 | +126.40 | +125.89 | +125.56 | +125.17 | +124.77 |
| 10 | 126.13 | 125.93 | 125.66 | 125.41 | 125.42 | 126.09 | 126.63 | 126.31 | 125.81 | 125.51 | 125.10 | 124.71 |
| 15 | 126.11 | 125.87 | 125.60 | 125.39 | 125.44 | 126.24 | 126.62 | 126.23 | 125.74 | 125.46 | 125.04 | 124.65 |
| 20 | 126.07 | 125.82 | 125.57 | 125.37 | 125.53 | 126.38 | 126.61 | 126.15 | 125.71 | 125.38 | 124.98 | 124.59 |
| 25 | 126.03 | 125.79 | 125.52 | 125.39 | 125.63 | 126.50 | 126.51 | 126.08 | 125.67 | 125.31 | 124.91 | 124.52 |
| Eom | 125.99 | 125.75 | 125.48 | 125.36 | 125.78 | 126.57 | 126.46 | 125.97 | 125.61 | 125.23 | 124.83 | 124.49 |
| 1955 | | | | | | | | | | | | |
| 5 | +124.49 | +124.55 | +124.60 | +124.59 | +124.82 | +124.91 | ..... | +124.47 | +124.34 | +124.16 | +124.05 | +123.98 |
| 10 | 124.49 | 124.59 | 124.57 | 124.62 | 124.84 | 124.90 | ..... | 124.40 | 124.32 | 124.12 | 124.04 | 123.96 |
| 15 | 124.49 | 124.61 | 124.54 | 124.67 | 124.87 | ..... | +124.65 | 124.36 | 124.29 | 124.09 | 124.03 | 123.95 |
| 20 | 124.50 | 124.60 | 124.53 | 124.69 | 124.89 | ..... | 124.60 | 124.34 | 124.26 | 124.06 | 124.03 | 123.93 |
| 25 | 124.53 | 124.60 | 124.54 | 124.75 | 124.91 | ..... | 124.56 | 124.34 | 124.23 | 124.04 | 124.01 | 123.92 |
| Eom | 124.55 | 124.61 | 124.57 | 124.78 | 124.91 | ..... | 124.51 | 124.35 | 124.20 | 124.04 | 123.99 | 123.90 |
| 1956 | | | | | | | | | | | | |
| 5 | +123.86 | +123.63 | +123.61 | +124.14 | +125.58 | +126.28 | +126.14 | +125.84 | +125.47 | +125.05 | +124.56 | +124.29 |
| 10 | 123.83 | 123.63 | 123.73 | 124.29 | 125.80 | 126.30 | 126.09 | 125.78 | 125.40 | 124.96 | 124.49 | 124.26 |
| 15 | 123.78 | 123.62 | 123.84 | 124.49 | 125.96 | 126.30 | 126.04 | 125.73 | 125.33 | 124.88 | 124.44 | 124.23 |
| 20 | 123.73 | 123.61 | 123.94 | 124.69 | 126.07 | 126.28 | 126.00 | 125.68 | 125.27 | 124.81 | 124.39 | 124.20 |
| 25 | 123.70 | 123.61 | 124.06 | 124.92 | 126.16 | 126.25 | 125.95 | 125.61 | 125.20 | 124.72 | 124.36 | 124.18 |
| Eom | 123.65 | 123.61 | 124.01 | 125.35 | 126.25 | 126.18 | 125.89 | 125.53 | 125.13 | 124.64 | 124.32 | 124.19 |
| 1957 | | | | | | | | | | | | |
| 5 | +124.22 | +124.48 | +124.61 | +124.87 | +125.28 | +125.60 | +125.39 | +125.01 | +124.51 | +123.98 | +123.66 | (f) |
| 10 | 124.25 | 124.52 | 124.63 | 124.93 | 125.35 | 125.59 | 125.33 | 124.94 | 124.42 | 123.90 | 123.63 | (f) |
| 15 | 124.30 | 124.53 | 124.66 | 124.99 | 125.43 | 125.58 | 125.28 | 124.86 | 124.33 | 123.80 | 123.63 | (f) |
| 20 | 124.35 | 124.55 | 124.71 | 125.06 | 125.50 | 125.56 | 125.22 | 124.77 | 124.25 | 123.73 | 123.61 | (f) |
| 25 | 124.41 | 124.57 | 124.75 | 125.12 | 125.53 | 125.51 | 125.15 | 124.71 | 124.16 | 123.69 | (f) | (f) |
| Eom | 124.46 | 124.58 | 124.81 | 125.20 | 125.57 | 125.46 | 125.09 | 124.60 | 124.07 | 123.67 | (f) | (f) |
| 1958 | | | | | | | | | | | | |
| 5 | (f) | (f) | +124.12 | ..... | +127.91 | +129.27 | +129.52 | +129.30 | +129.74 | +130.09 | +129.87 | ..... |
| 10 | (f) | (f) | 124.32 | +126.22 | 128.09 | 129.45 | 129.45 | 129.42 | 129.87 | 130.12 | 129.92 | +130.03 |
| 15 | (f) | (f) | 124.62 | 126.64 | 128.28 | 129.55 | 129.39 | 129.51 | 129.96 | 130.03 | 129.95 | ..... |
| 20 | (f) | +123.67 | 124.98 | 127.04 | 128.49 | 129.58 | 129.33 | 129.55 | 130.06 | 129.93 | ..... | ..... |
| 25 | (f) | 123.88 | 125.30 | 127.40 | 128.75 | 129.58 | 129.31 | 129.61 | 130.12 | 129.94 | ..... | ..... |
| Eom | (f) | 123.99 | ..... | 127.66 | 129.08 | 129.56 | 129.26 | 129.67 | 130.09 | 129.85 | ..... | ..... |
| 1959 | | | | | | | | | | | | |
| 5 | ..... | +129.35 | +129.04 | +128.54 | +128.50 | ..... | +128.11 | +127.82 | +127.66 | +127.33 | +126.82 | +126.31 |
| 10 | ..... | 129.34 | 128.82 | 128.49 | 128.50 | +128.41 | 128.05 | 127.81 | 127.63 | 127.25 | 126.72 | 126.23 |
| 15 | +129.73 | 129.17 | 128.74 | 128.51 | 128.56 | ..... | 127.98 | 127.79 | 127.59 | 127.17 | 126.65 | 126.18 |
| 20 | 129.60 | 129.10 | 128.69 | 128.54 | ..... | ..... | 127.90 | 127.78 | 127.52 | 127.08 | 126.56 | 126.11 |
| 25 | 129.56 | 129.02 | 128.62 | 128.50 | 128.50 | 128.25 | 127.84 | 127.74 | 127.45 | 127.03 | 126.48 | 126.06 |
| Eom | 129.41 | 128.99 | 128.59 | 128.55 | 128.48 | 128.17 | 127.82 | 127.71 | 127.40 | 126.91 | 126.40 | 126.02 |
| 1960 | | | | | | | | | | | | |
| 5 | +125.98 | +126.00 | +126.29 | +127.26 | +127.72 | +127.85 | +127.42 | +126.87 | +126.33 | +126.18 | +125.96 | +125.66 |
| 10 | 125.96 | 126.07 | 126.41 | 127.34 | 127.81 | 127.75 | 127.35 | 126.79 | 126.24 | 126.16 | 125.90 | 125.62 |
| 15 | 125.95 | 126.06 | 126.60 | 127.40 | 127.87 | 127.70 | 127.26 | 126.69 | 126.15 | 126.12 | 125.86 | 125.58 |
| 20 | 125.94 | 126.08 | 126.81 | 127.46 | 127.87 | 127.62 | 127.17 | 126.62 | 126.13 | 126.09 | 125.82 | 125.52 |
| 25 | 125.95 | 126.14 | 127.00 | 127.57 | 127.90 | 127.56 | 127.08 | 126.52 | 126.14 | 126.05 | 125.76 | 125.47 |
| Eom | 125.98 | 126.20 | 127.17 | 127.64 | 127.90 | 127.50 | 126.93 | 126.42 | 126.19 | 126.01 | 125.71 | 125.42 |

395714N0742236.1--Continued.

| 1961 | | | | | | | | | | | | |
|------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +125.36 | +125.47 | +125.66 | +127.01 | +128.57 | +129.16 | +129.42 | +129.47 | +128.99 | +128.45 | +127.93 | +127.41 |
| 10 | 125.34 | 125.54 | 125.82 | 127.39 | 128.77 | 129.21 | 129.48 | 129.39 | 128.90 | 128.36 | 127.84 | 127.31 |
| 15 | 125.38 | 125.55 | 125.98 | 127.72 | 128.89 | 129.19 | 129.53 | 129.32 | 128.80 | 128.30 | 127.75 | 127.20 |
| 20 | 125.39 | 125.54 | ..... | 127.97 | 129.00 | 129.35 | 129.57 | 129.26 | 128.76 | 128.21 | 127.65 | 127.13 |
| 25 | 125.40 | 125.59 | 126.39 | 128.23 | 129.08 | 129.28 | 129.56 | 129.16 | 128.66 | 128.12 | 127.57 | 126.98 |
| Eom | 125.46 | 125.58 | 126.68 | 128.40 | 129.12 | 129.36 | 129.54 | 129.06 | 128.54 | 128.05 | 127.49 | 126.85 |
| 1962 | | | | | | | | | | | | |
| 5 | +126.77 | +127.12 | ..... | +127.97 | ..... | +128.92 | +128.42 | +127.86 | +127.40 | +127.36 | +127.16 | +127.06 |
| 10 | ..... | ..... | ..... | 128.15 | ..... | 128.82 | 128.33 | 127.77 | 127.42 | 127.33 | 127.17 | 127.03 |
| 15 | e126.78 | ..... | ..... | 128.36 | ..... | 128.77 | 128.25 | 127.68 | 127.44 | 127.28 | 127.10 | 127.04 |
| 20 | e126.78 | ..... | +127.22 | 128.48 | +128.96 | 128.70 | 128.14 | 127.58 | 127.41 | 127.27 | 127.07 | 127.04 |
| 25 | e126.91 | ..... | 127.43 | ..... | 128.97 | 128.61 | 128.06 | 127.50 | 127.42 | 127.22 | 127.01 | 127.06 |
| Eom | e127.00 | e127.15 | 127.74 | e128.60 | 128.96 | 128.54 | 127.94 | 127.42 | 127.36 | 127.22 | 127.00 | 127.14 |
| 1963 | | | | | | | | | | | | |
| 5 | +127.09 | +126.93 | +126.78 | +127.11 | +127.43 | ..... | +126.74 | +126.26 | +125.73 | +125.18 | +124.64 | +124.26 |
| 10 | 127.11 | 126.91 | 126.76 | 127.21 | 127.43 | +127.09 | 126.67 | 126.18 | 125.61 | 125.10 | 124.55 | 124.21 |
| 15 | 127.04 | 126.86 | 126.80 | 127.27 | 127.41 | 127.03 | 126.59 | 126.09 | 125.53 | 125.01 | 124.48 | 124.18 |
| 20 | 127.08 | 126.86 | 126.89 | 127.34 | 127.36 | 126.97 | 126.53 | 126.01 | 125.45 | 124.92 | 124.41 | 124.15 |
| 25 | 126.98 | 126.82 | 126.93 | 127.37 | 127.30 | 126.88 | 126.44 | 125.92 | 125.36 | 124.82 | 124.35 | 124.13 |
| Eom | 126.94 | 126.79 | 127.02 | 127.42 | e127.25 | 126.81 | 126.35 | 125.81 | 125.27 | 124.73 | 124.29 | 124.10 |
| 1964 | | | | | | | | | | | | |
| 5 | +124.09 | +124.08 | +124.70 | +125.34 | +125.73 | +126.43 | +126.56 | +126.25 | +125.76 | +125.23 | +124.67 | +124.12 |
| 10 | 124.07 | 124.17 | 124.80 | 125.42 | 125.83 | 126.52 | 126.51 | 126.18 | 125.69 | 125.13 | 124.58 | 124.03 |
| 15 | 124.04 | 124.29 | 124.91 | 125.47 | 125.94 | 126.57 | 126.46 | 126.11 | 125.59 | 125.05 | 124.48 | 123.95 |
| 20 | 124.03 | 124.41 | 125.00 | 125.52 | 126.05 | 126.61 | 126.42 | 126.04 | 125.50 | 124.95 | 124.40 | 123.89 |
| 25 | 124.01 | 124.51 | e125.14 | 125.59 | 126.18 | 126.59 | 126.38 | 125.97 | 125.40 | 124.86 | 124.32 | 123.85 |
| Eom | 124.02 | 124.60 | e125.28 | 125.67 | 126.31 | 126.58 | 126.29 | 125.88 | 125.32 | 124.74 | 124.22 | 123.81 |
| 1965 | | | | | | | | | | | | |
| 5 | +123.77 | +123.63 | +123.91 | +124.43 | +125.01 | +125.37 | +125.21 | +124.90 | +124.47 | +123.97 | +123.47 | +123.03 |
| 10 | 123.75 | 123.61 | 123.99 | 124.51 | 125.10 | 125.38 | 125.15 | 124.85 | 124.38 | e123.88 | 123.40 | 122.99 |
| 15 | 123.72 | 123.63 | 124.08 | 124.59 | 125.18 | 125.36 | 125.11 | 124.78 | 124.32 | e123.80 | 123.33 | 122.97 |
| 20 | 123.69 | 123.68 | e124.15 | 124.69 | 125.25 | 125.34 | 125.06 | 124.71 | 124.22 | e123.72 | 123.25 | 122.96 |
| 25 | 123.67 | 123.76 | e124.25 | 124.79 | 125.30 | 125.29 | 125.03 | e124.65 | 124.15 | e123.64 | 123.18 | 122.95 |
| Eom | 123.64 | 123.81 | e124.34 | 124.90 | 125.34 | 125.26 | 124.96 | e124.55 | 124.07 | e123.54 | 123.10 | (f) |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | +121.67 | +121.52 | +121.43 | +121.93 | +122.18 | +122.05 | +121.87 | +122.00 | +122.41 |
| 10 | ..... | ..... | ..... | 121.65 | 121.50 | 121.50 | 122.00 | 122.18 | 122.00 | 121.87 | 122.10 | 122.46 |
| 15 | ..... | ..... | ..... | 121.64 | 121.48 | 121.58 | 122.05 | 122.19 | 121.95 | 121.86 | 122.17 | 122.50 |
| 20 | ..... | ..... | ..... | 121.61 | 121.45 | 121.67 | 122.09 | 122.16 | 121.93 | 121.87 | 122.24 | 122.52 |
| 25 | ..... | ..... | ..... | 121.59 | 121.44 | 121.77 | 122.11 | e122.13 | 121.90 | 121.88 | 122.31 | 122.56 |
| Eom | ..... | ..... | +121.70 | e121.56 | e121.42 | 121.87 | 122.15 | 122.09 | 121.88 | 121.94 | 122.39 | 122.54 |
| 1967 | | | | | | | | | | | | |
| 5 | +122.56 | +122.81 | +123.09 | +123.84 | +124.68 | +125.04 | +125.28 | +125.16 | +125.20 | +125.30 | +125.10 | +124.78 |
| 10 | 122.57 | 122.87 | 123.12 | 124.05 | 124.78 | 125.10 | 125.29 | 125.12 | 125.23 | 125.29 | 125.06 | 124.73 |
| 15 | 122.60 | 122.93 | 123.16 | 124.20 | 124.84 | 125.15 | 125.28 | 125.10 | 125.25 | 125.24 | 125.02 | 124.68 |
| 20 | 122.62 | 122.98 | 123.25 | 124.38 | 124.90 | 125.19 | 125.26 | 125.10 | 125.27 | 125.22 | 124.97 | 124.62 |
| 25 | 122.67 | 123.03 | 123.40 | 124.51 | 124.95 | 125.23 | 125.26 | e125.13 | 125.29 | 125.17 | 124.94 | 124.58 |
| Eom | 122.75 | 123.06 | 123.64 | 124.59 | 125.01 | 125.26 | 125.20 | 125.17 | 125.31 | 125.14 | 124.84 | 124.51 |

e Estimated.

f Dry.

Salem County

394236N0752723.1. Local number 30.22.9.7.3. (Penns Grove 24). State of New Jersey. About 1 mi east of Carneys Point. Drilled observation water-table well in sands of Raritan and Magothy Formations of Late 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. MF top of casing, 1.84 ft above lsd. Highest water level 7.83 above msl, June 14, 1947; lowest 8.23 below msl, Jan. 7-9, 1964. Records available: 1941-67.

| End-of-day water level, above and below msl, from recorder graph, 1963 | | | | | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -6.48 | -6.71 | -6.29 | -5.21 | -5.20 | -5.54 | -5.91 | -6.19 | -6.67 | -7.19 | -7.72 | -8.02 |
| 10 | 6.54 | 6.72 | 5.88 | 5.17 | 5.24 | 5.60 | 5.95 | 6.21 | 6.76 | 7.26 | 7.74 | 8.05 |
| 15 | 6.56 | 6.55 | 5.73 | 5.16 | 5.30 | 5.66 | 6.00 | 6.26 | 6.85 | 7.34 | 7.79 | 8.09 |
| 20 | 6.59 | 6.44 | 5.55 | 5.18 | 5.33 | 5.74 | 6.06 | 6.37 | 6.94 | 7.43 | 7.85 | 8.12 |
| 25 | 6.63 | 6.36 | 5.41 | 5.20 | 5.38 | 5.83 | 6.10 | 6.48 | 7.03 | 7.52 | 7.91 | 8.16 |
| Eom | 6.68 | 6.35 | 5.29 | 5.17 | 5.47 | 5.87 | 6.17 | 6.60 | 7.12 | 7.62 | 7.97 | 8.20 |
| 1964 | | | | | | | | | | | | |
| 5 | -8.22 | -7.16 | -6.15 | -4.82 | -3.10 | -1.87 | -1.98 | -2.45 | -3.00 | -3.54 | -5.09 | -6.21 |
| 10 | 8.13 | 7.00 | 5.91 | 4.56 | 2.78 | 1.73 | 1.99 | 2.54 | 3.08 | 3.77 | 5.31 | 6.38 |
| 15 | 7.97 | 6.83 | 5.69 | 4.28 | 2.62 | 1.65 | 2.10 | 2.63 | 3.17 | 4.00 | 5.51 | 6.52 |
| 20 | 7.87 | 6.71 | 5.46 | 4.04 | 2.49 | 1.72 | 2.17 | 2.70 | 3.27 | 4.31 | 5.70 | 6.66 |
| 25 | 7.65 | 6.52 | 5.20 | 3.83 | 2.22 | 1.85 | 2.25 | 2.77 | 3.36 | 4.58 | 5.85 | 6.76 |
| Eom | 7.39 | 6.38 | 4.99 | 3.47 | 2.01 | 1.87 | 2.40 | 2.89 | 3.43 | 4.89 | 6.05 | 6.90 |
| 1965 | | | | | | | | | | | | |
| 5 | -6.98 | -6.75 | -5.48 | -1.57 | -3.77 | -3.54 | -3.64 | -3.84 | -4.20 | -5.52 | -6.88 | -7.65 |
| 10 | 7.05 | 6.54 | 5.32 | 4.46 | 3.63 | 3.50 | 3.69 | 3.87 | 4.28 | 5.76 | 7.07 | 7.70 |
| 15 | 7.10 | 6.32 | 5.17 | 4.27 | 3.65 | 3.57 | 3.57 | 3.90 | 4.42 | 6.00 | 7.25 | 7.75 |
| 20 | 7.12 | 6.08 | 5.03 | 4.18 | 3.66 | 3.49 | 3.69 | 3.97 | 4.69 | 6.23 | 7.46 | 7.78 |
| 25 | 7.06 | 5.84 | 4.88 | 4.05 | 3.60 | 3.58 | 3.71 | 4.02 | 4.98 | 6.45 | 7.57 | 7.82 |
| Eom | 6.88 | 5.75 | 4.75 | 3.89 | 3.57 | 3.59 | 3.78 | 4.12 | 5.25 | 6.69 | 7.63 | 7.87 |

394236N0752723.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -7.90 | -8.06 | -7.74 | -7.02 | -6.38 | -5.95 | -6.10 | -6.53 | -7.38 | -7.45 | -6.23 | -5.39 |
| 10 | 7.92 | 8.08 | 7.65 | 6.92 | 6.33 | 5.92 | 6.10 | 6.63 | 7.55 | 7.39 | 6.08 | 5.27 |
| 15 | 7.95 | 7.95 | 7.53 | 6.80 | 6.25 | 5.90 | 6.16 | 6.75 | 7.67 | 7.33 | 5.94 | 5.19 |
| 20 | 7.98 | 7.92 | 7.39 | 6.69 | 6.20 | 5.93 | 6.25 | 6.86 | 7.77 | 7.21 | 5.81 | 5.05 |
| 25 | 8.01 | 7.90 | 7.29 | 6.58 | 6.13 | 5.97 | 6.34 | 7.01 | 7.55 | 6.85 | 5.63 | 5.09 |
| Eom | 8.03 | 7.83 | 7.16 | 6.47 | 6.04 | 6.04 | 6.44 | 7.21 | 7.54 | 6.47 | 5.56 | 5.07 |
| 1967 | | | | | | | | | | | | |
| 5 | -4.92 | -3.35 | -1.55 | +1.60 | +1.40 | +0.95 | +0.24 | +1.20 | +5.75 | +3.63 | +1.32 | -0.44 |
| 10 | 4.69 | 3.06 | -.73 | 1.65 | 1.39 | .88 | .23 | 2.61 | 5.38 | 3.26 | .99 | .55 |
| 15 | 4.39 | 2.78 | +4.3 | 1.71 | 1.22 | .70 | .38 | 4.35 | 5.10 | 2.84 | .69 | .47 |
| 20 | 4.15 | 2.43 | .90 | 1.59 | 1.07 | .60 | .45 | 4.65 | 4.68 | 2.50 | .38 | .55 |
| 25 | 3.97 | 2.15 | 1.23 | 1.47 | 1.22 | .45 | .76 | 4.64 | 4.30 | 2.17 | +1.0 | .44 |
| Eom | 3.68 | 1.90 | 1.40 | 1.48 | 1.06 | .35 | .86 | 5.70 | 3.95 | 1.70 | -.23 | .47 |

394042N0751918.1. Local number 30.34.1.5.7. U.S. Geol. Survey. Point Airy. Drilled observation artesian well in Raritan Formation of Late Cretaceous age, diam 6 in 0-550, 3 in 550-664, depth 672 ft, cased with steel, 4 in 20-slot screen 664-672, 2-7/8-in wood plug at 523 ft. Lad 73.0 ft above msl. MP top of casing, 1.77 ft above lsd. Highest water level 5.58 below msl, Mar. 6, 1959; lowest 21.33 below msl, Sept. 13, 1966. Records available: 1959-67.

Lowest water level for the day, below msl, from recorder graph, 1959

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|--------|--------|---------|--------|--------|---------|--------|--------|--------|--------|--------|
| 5 | .... | -5.95 | -6.15 | .... | -6.45 | -7.95 | -8.50 | .... | .... | .... | -8.15 | -7.70 |
| 10 | .... | 6.00 | 5.95 | .... | 6.65 | 8.05 | 8.65 | -8.10 | .... | .... | 8.05 | 7.65 |
| 15 | .... | 6.05 | 5.95 | .... | 6.80 | 8.10 | 8.40 | 8.35 | .... | -8.35 | 7.90 | 7.65 |
| 20 | .... | 6.10 | 6.05 | -6.00 | 7.05 | 8.10 | 8.20 | 8.45 | .... | 8.35 | 7.85 | 7.70 |
| 25 | .... | 6.10 | 6.05 | 6.20 | 7.45 | 8.30 | .... | 8.40 | .... | 7.95 | 7.60 | 7.75 |
| Eom | .... | 6.05 | 6.00 | 6.15 | 7.90 | 8.40 | .... | 8.50 | .... | 8.30 | 7.70 | 7.60 |
| 1960 | | | | | | | | | | | | |
| 5 | -7.50 | -7.55 | -7.15 | -7.05 | -7.75 | -8.45 | -9.25 | -9.40 | -10.10 | -9.40 | -8.65 | -8.40 |
| 10 | 7.60 | 7.30 | 7.15 | 7.35 | 7.75 | 8.80 | 9.50 | 9.50 | 10.20 | 9.15 | 8.70 | 8.30 |
| 15 | 7.40 | 7.40 | 7.20 | 7.30 | 8.00 | 8.75 | 9.25 | 9.70 | 10.00 | 9.10 | 8.65 | 8.05 |
| 20 | 7.35 | 7.35 | 7.05 | 7.45 | 8.20 | 8.95 | 9.30 | 9.80 | 9.85 | 8.90 | 8.60 | .... |
| 25 | 7.55 | 7.35 | 7.25 | 7.35 | 8.25 | 9.10 | 9.50 | 10.00 | 9.90 | 8.80 | 8.50 | .... |
| Eom | 7.55 | 7.30 | 7.10 | 7.60 | 8.30 | 9.20 | 9.30 | 10.20 | 9.50 | 8.70 | 8.35 | .... |
| 1961 | | | | | | | | | | | | |
| 5 | .... | -8.35 | -8.05 | -7.65 | -7.85 | -8.65 | -9.35 | -9.55 | -10.25 | -10.50 | -10.00 | -9.50 |
| 10 | .... | .... | 7.95 | 7.80 | 7.85 | 8.85 | 9.45 | 9.75 | 10.50 | 10.35 | 9.90 | 9.70 |
| 15 | -8.00 | .... | 7.75 | 7.65 | 7.80 | 9.10 | 9.40 | 9.90 | 10.60 | 10.10 | 9.80 | 9.65 |
| 20 | 7.90 | .... | 7.95 | 7.80 | 8.05 | 9.15 | 9.35 | 10.10 | 10.55 | 10.00 | 9.75 | 9.40 |
| 25 | 8.20 | 8.10 | 7.75 | 7.55 | 8.35 | 9.25 | 9.50 | 10.00 | 10.60 | 10.05 | 9.75 | 9.35 |
| Eom | 8.20 | 8.15 | 7.75 | 7.70 | 8.50 | 9.30 | 9.40 | 10.10 | 10.70 | 9.85 | 9.70 | 9.40 |
| 1962 | | | | | | | | | | | | |
| 5 | -9.40 | .... | .... | -9.00 | -8.95 | -10.75 | .... | .... | -12.40 | -11.60 | -11.10 | -10.40 |
| 10 | 9.35 | .... | .... | 8.80 | 9.20 | 11.20 | .... | .... | 12.40 | 11.50 | 10.85 | 10.35 |
| 15 | 9.30 | .... | .... | 8.70 | 9.65 | 10.85 | .... | .... | 12.50 | 11.60 | 10.90 | 10.40 |
| 20 | 9.30 | .... | .... | 8.85 | 9.90 | 10.85 | .... | -12.00 | 12.30 | 11.45 | 10.80 | 10.50 |
| 25 | 9.20 | .... | -8.80 | 8.80 | 10.05 | .... | .... | 12.35 | 12.15 | 11.45 | 10.80 | 10.50 |
| Eom | e9.10 | e-8.90 | 8.80 | 8.90 | 10.40 | e11.00 | e-11.40 | 12.40 | 11.90 | 11.10 | 10.70 | 10.10 |
| 1963 | | | | | | | | | | | | |
| 5 | -10.20 | -10.25 | -10.20 | -10.30 | -10.80 | -12.00 | -12.80 | -13.45 | -14.20 | -13.80 | -13.40 | -12.90 |
| 10 | 10.05 | 10.10 | 10.40 | 10.15 | 11.00 | 12.05 | 13.05 | 13.50 | 14.30 | 13.65 | 13.20 | 12.70 |
| 15 | 10.15 | 10.25 | 10.35 | 10.35 | 11.25 | 12.25 | 13.05 | 13.70 | 14.45 | 13.60 | 13.30 | 12.70 |
| 20 | 9.85 | 10.00 | 10.00 | e10.30 | 11.55 | 12.40 | 13.15 | 13.80 | 14.05 | 13.55 | 13.35 | 12.60 |
| 25 | 10.20 | 10.20 | 10.25 | 10.60 | 11.85 | 12.60 | 13.40 | 13.90 | 14.15 | 13.55 | 13.20 | 12.55 |
| Eom | 10.15 | 10.30 | 10.40 | 10.75 | 12.00 | 12.80 | 13.50 | 14.10 | 13.80 | 13.45 | 12.85 | 12.85 |
| 1964 | | | | | | | | | | | | |
| 5 | -12.60 | -12.05 | -11.60 | -11.65 | -11.70 | -13.55 | -14.80 | -14.90 | -16.00 | -15.70 | -15.05 | -14.30 |
| 10 | .... | 12.10 | 11.50 | 11.45 | 11.80 | 13.70 | 14.60 | 14.95 | 16.25 | 15.60 | 14.95 | 14.45 |
| 15 | .... | 12.00 | .... | 11.50 | 12.20 | 14.00 | 14.60 | 15.20 | 16.40 | 15.40 | 15.00 | 14.20 |
| 20 | .... | 11.70 | .... | 11.60 | 12.55 | 14.15 | 14.70 | 15.30 | 16.40 | 15.20 | 14.70 | 14.30 |
| 25 | .... | 11.85 | .... | 11.55 | 12.95 | 14.40 | 14.75 | 15.65 | 16.40 | 15.25 | 14.75 | 14.00 |
| Eom | e12.20 | 11.80 | e11.50 | 11.45 | 13.40 | 14.65 | 14.95 | 15.65 | 15.95 | 15.25 | 14.50 | 14.00 |
| 1965 | | | | | | | | | | | | |
| 5 | -13.90 | -13.75 | -13.20 | -13.50 | -13.60 | -14.95 | -15.55 | -15.80 | -17.10 | -16.75 | -16.20 | -15.50 |
| 10 | 13.80 | 13.55 | 13.20 | 13.40 | 13.60 | 15.00 | 15.55 | 15.95 | 17.15 | 16.45 | 16.00 | 15.65 |
| 15 | 13.80 | 13.55 | 13.50 | 13.45 | 14.05 | 15.35 | 15.30 | 16.20 | 17.05 | 16.40 | 15.85 | 15.45 |
| 20 | 13.65 | 13.40 | 13.55 | 13.40 | 14.30 | 15.20 | 15.45 | 16.60 | 17.10 | 16.40 | 15.70 | 15.55 |
| 25 | 13.45 | 13.15 | 13.55 | 13.55 | 14.60 | 15.40 | 15.50 | 16.70 | 16.90 | 16.25 | 15.65 | 15.60 |
| Eom | 13.50 | 13.30 | 13.55 | 13.40 | 14.75 | 15.45 | 15.70 | 16.95 | 16.85 | 16.15 | 15.55 | 15.60 |
| 1966 | | | | | | | | | | | | |
| 5 | -15.70 | -15.70 | -15.25 | e-15.35 | -15.50 | -16.50 | -17.65 | -18.60 | -20.75 | -19.80 | -18.40 | -17.50 |
| 10 | 15.65 | 15.85 | 15.50 | 15.45 | 15.65 | 16.70 | 17.70 | 19.00 | 21.10 | 19.50 | 18.00 | 17.15 |
| 15 | 15.55 | 15.80 | 15.40 | 15.40 | 16.00 | 16.85 | 17.95 | 19.20 | 20.95 | 19.45 | 17.90 | 17.10 |
| 20 | 15.70 | 15.75 | 15.45 | 15.50 | 16.05 | 17.05 | 18.10 | 19.65 | 21.00 | 18.85 | 17.80 | 16.95 |
| 25 | 15.75 | 15.35 | 15.40 | 15.35 | 16.10 | 17.45 | 18.40 | 20.00 | 20.60 | 18.70 | 17.55 | 16.70 |
| Eom | 15.50 | 15.55 | 15.25 | 15.45 | 16.30 | 17.60 | 18.50 | 20.50 | 20.10 | 18.45 | 17.30 | 16.65 |

394042N0751918.1--Continued.

| 1967 | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | -16.50 | -15.95 | -15.90 | -15.90 | -15.90 | -16.60 | -17.65 | -18.25 | -19.35 | -19.70 | -18.15 |
| 10 | 16.45 | 15.90 | 15.85 | 15.85 | 15.75 | 16.90 | 17.60 | 18.25 | 19.60 | 19.60 | 18.00 |
| 15 | 16.30 | 15.80 | 15.80 | 15.90 | 15.75 | 17.25 | 17.70 | 18.55 | 19.70 | 19.50 | 17.85 |
| 20 | 16.35 | 15.90 | 16.00 | 15.90 | 15.90 | 17.50 | 17.85 | 18.80 | 19.75 | 19.25 | 17.75 |
| 25 | 16.25 | 15.90 | 15.85 | 15.95 | 15.95 | 17.65 | 17.85 | 18.80 | 19.80 | 19.00 | 17.50 |
| Eom | 16.20 | 15.80 | 15.90 | 15.80 | 16.30 | 17.70 | 18.10 | 19.10 | 19.75 | 18.50 | 17.50 |

e Estimated.

Union County

404106N0741718.1. Local number 26.21.5.4.6. Union County Park Comm. Galloping Hill Golf Course near Kenilworth. Drilled unobscured artesian well in Brunswick Shale of Late 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 52.95 above msl, June 29, 1966. Records available: 1943-67.

| End-of-day water level, above msl, from recorder graph, 1963 | | | | | | | | | | | |
|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | +60.03 | +59.58 | +59.86 | +59.73 | +59.57 | +58.55 | +58.47 | +58.02 | +56.98 | +57.38 | e+58.82 |
| 10 | 59.54 | 59.80 | 60.30 | 59.70 | 58.76 | 58.55 | 58.91 | 57.60 | 56.91 | 57.28 | e57.86 |
| 15 | 59.83 | 59.57 | 59.87 | 59.94 | 58.82 | 58.36 | 58.80 | 57.66 | 57.29 | 57.01 | 57.33 |
| 20 | 60.22 | 59.69 | 60.15 | 59.66 | 59.09 | 58.03 | 58.28 | 57.44 | 57.12 | e57.10 | 57.36 |
| 25 | 59.60 | 59.84 | 60.27 | 59.18 | 58.79 | 55.44 | 58.10 | 57.50 | 56.98 | e56.73 | 57.84 |
| Eom | 59.51 | 59.46 | 60.36 | 59.43 | 59.00 | 54.77 | 57.93 | 57.24 | 57.55 | e56.64 | 58.35 |

| 1964 | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | +58.17 | +58.79 | +59.05 | +59.71 | +60.23 | +59.24 | +56.58 | +58.67 | +57.71 | +57.55 | +56.92 |
| 10 | 57.99 | 59.17 | 59.32 | 59.57 | 60.50 | 59.17 | 59.07 | 58.79 | 57.52 | 57.31 | 56.92 |
| 15 | 58.25 | 59.08 | 59.69 | 59.92 | 59.85 | 59.41 | 59.70 | 58.48 | 56.98 | 57.03 | 57.16 |
| 20 | 58.54 | 58.91 | 59.13 | 60.25 | 59.77 | 59.16 | 59.81 | 58.03 | 57.52 | 57.15 | 56.79 |
| 25 | 58.96 | 59.05 | 59.21 | 60.24 | 59.88 | 58.72 | 59.28 | 58.10 | 56.96 | 57.38 | 56.98 |
| Eom | 58.70 | 59.05 | 59.37 | 60.29 | 60.09 | 58.73 | 58.80 | 58.01 | 57.18 | 57.08 | 57.57 |

| 1965 | | | | | | | | | | | |
|------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | +58.18 | e+57.29 | +58.07 | +58.72 | +58.29 | +57.80 | +57.52 | +56.46 | +56.70 | +55.80 | +55.65 |
| 10 | e58.41 | 58.00 | 58.27 | 58.41 | 58.55 | 57.31 | 57.34 | 56.54 | 55.87 | 56.63 | 55.58 |
| 15 | e57.72 | 58.40 | 58.52 | 58.21 | 58.06 | 56.90 | 57.38 | 56.78 | 55.66 | 56.00 | 55.97 |
| 20 | e57.67 | 58.19 | 58.40 | 58.55 | 57.77 | 57.38 | 57.49 | 56.04 | 55.94 | 55.85 | 55.82 |
| 25 | e58.05 | 58.12 | 58.19 | 58.74 | 57.91 | 55.70 | 57.47 | 55.94 | 55.94 | 56.18 | 56.01 |
| Eom | e58.02 | 58.63 | 58.27 | 58.27 | 58.44 | 55.21 | 56.85 | 55.95 | 55.53 | 56.40 | 55.90 |

| 1966 | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | +55.67 | +55.50 | +57.31 | +56.48 | +56.29 | +57.79 | +54.35 | +55.54 | +56.57 | +56.50 | +57.25 |
| 10 | 55.88 | 55.00 | 56.90 | 57.45 | 56.45 | 56.79 | 54.40 | 55.29 | 55.17 | 56.91 | 56.55 |
| 15 | 55.72 | 56.03 | 57.10 | 56.20 | 57.03 | 56.82 | 55.39 | 56.24 | 55.09 | 56.61 | 56.98 |
| 20 | 54.99 | 56.90 | 57.62 | 55.93 | 56.51 | 57.00 | 55.80 | 55.71 | 55.35 | 56.82 | 57.45 |
| 25 | 55.31 | 56.32 | 56.50 | 56.44 | 56.66 | 54.05 | 56.08 | 55.34 | 57.14 | 57.15 | 57.70 |
| Eom | 55.53 | 56.76 | 56.27 | 56.35 | 57.77 | 55.38 | 56.55 | 55.11 | 56.18 | 57.24 | 57.12 |

| 1967 | | | | | | | | | | | |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | +57.71 | +58.50 | +58.70 | +59.17 | +58.58 | +60.23 | +60.14 | +60.02 | +59.98 | +58.22 | +58.60 |
| 10 | 57.94 | 57.73 | 58.64 | 59.42 | 59.33 | 57.88 | 60.29 | 59.78 | 59.85 | 58.35 | 57.88 |
| 15 | 58.46 | 57.70 | 58.84 | 59.12 | 59.98 | 56.00 | 60.05 | 59.85 | 59.07 | 58.67 | 57.97 |
| 20 | 57.40 | 58.47 | 59.26 | 58.61 | 59.79 | 57.96 | 59.68 | 60.02 | 58.78 | 57.95 | 58.15 |
| 25 | 57.45 | 58.32 | 59.84 | 58.83 | 59.62 | 59.31 | 59.97 | 59.38 | 58.88 | 58.09 | 58.80 |
| Eom | 57.81 | 58.10 | 59.09 | 59.54 | 60.10 | 59.03 | 59.88 | 59.44 | 58.62 | 58.25 | 57.99 |

e Estimated.

404027N0741644.1. Local number 26.21.5.8.3. (Well 3). White Laboratories, Inc. Kenilworth, Drilled observation artesian well in Brunswick Shale of Late Triassic age, diam 6 in, depth 400 ft, cased with steel. Lsd 81.00 ft above msl. MP top of casing, 3.31 ft above lsd, prior to Aug. 18, 1967, 1.26 ft. Highest water level 74.69 above msl, Apr. 17, 1961; lowest 39.1 above msl, Mar. 7, 1952. Records available: 1952-67.

| Lowest water level for the day above msl, from recorder graph, 1963 | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | .... | +68.7 | +69.0 | +67.5 | +64.9 | .... | +64.6 | +63.3 | +62.1 | +61.3 | .... |
| 10 | +67.6 | 69.8 | 70.7 | 68.8 | 65.9 | +65.3 | 63.9 | 62.5 | 61.5 | 60.6 | .... |
| 15 | 69.2 | 69.7 | 69.1 | 67.9 | 65.8 | 66.5 | 65.6 | 62.4 | 63.4 | 61.1 | +62.7 |
| 20 | 70.0 | 69.4 | 70.1 | 67.5 | 64.9 | 64.2 | 63.8 | 62.2 | 61.3 | 59.9 | 62.9 |
| 25 | .... | 68.9 | 68.8 | 67.5 | 66.8 | 63.4 | .... | 63.0 | 61.6 | 61.2 | 63.6 |
| Eom | 69.3 | 69.5 | 70.5 | 65.7 | 66.6 | 64.9 | 62.3 | 62.6 | 62.6 | 62.5 | 65.1 |

| 1964 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|
| 5 | +65.5 | +66.6 | +67.4 | +68.7 | +69.5 | +68.1 | +66.7 | e+65.5 | e+63.2 | +63.6 | +63.6 |
| 10 | 65.5 | 68.1 | 67.5 | 68.4 | 69.1 | 66.8 | 65.7 | 65.0 | 62.7 | 63.4 | 63.3 |
| 15 | .... | 68.0 | 69.6 | 69.0 | 68.2 | 66.2 | 65.6 | 65.0 | 63.6 | 62.9 | 63.1 |
| 20 | 66.6 | 68.3 | 67.9 | e69.5 | 68.1 | 66.5 | 66.8 | 64.7 | 62.8 | 63.2 | .... |
| 25 | 67.1 | 67.6 | 67.8 | 69.4 | 67.9 | 65.7 | 65.6 | 63.8 | 63.0 | 64.3 | .... |
| Eom | 66.5 | 68.3 | 67.8 | 69.8 | 68.5 | 65.2 | 66.5 | 63.5 | 63.5 | 63.3 | .... |

| 1965 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|-------|
| 5 | +64.5 | +64.5 | +65.1 | +66.4 | +65.8 | .... | .... | +62.2 | +62.7 | .... | .... |
| 10 | 65.1 | 64.7 | 65.9 | 65.6 | 65.6 | .... | .... | 62.4 | 61.2 | .... | +60.5 |
| 15 | 64.3 | 65.5 | 66.2 | 66.0 | 65.8 | .... | +62.2 | 61.9 | 61.3 | .... | e61.4 |
| 20 | 64.1 | 66.1 | 66.3 | 66.9 | 65.0 | .... | 62.1 | 61.2 | 61.4 | .... | .... |
| 25 | 63.5 | 65.8 | 66.4 | 67.1 | 64.9 | .... | 63.9 | 61.9 | 60.6 | .... | .... |
| Eom | 65.1 | 67.0 | 66.7 | 65.9 | 65.6 | .... | 62.8 | 61.8 | .... | .... | 60.9 |

404027N0741644.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | +59.2 | +61.0 | +62.4 | +62.5 | .... | +62.2 | +61.2 | +61.0 | .... | .... | +60.9 | +61.1 |
| 10 | 60.0 | 60.2 | 62.1 | .... | .... | 61.2 | .... | 60.4 | .... | .... | 59.5 | 59.1 |
| 15 | 60.1 | 60.2 | 62.5 | 61.5 | +62.9 | 61.2 | 60.8 | .... | .... | .... | 59.7 | 60.3 |
| 20 | 59.5 | 61.9 | 62.6 | .... | 61.8 | 61.8 | 61.5 | .... | +59.7 | +60.4 | 59.7 | 60.6 |
| 25 | 59.8 | 62.2 | 62.4 | .... | .... | 60.7 | 61.5 | .... | .... | 60.3 | 61.1 | 64.2 |
| Eom | 60.4 | 62.2 | 62.4 | .... | 63.6 | 60.6 | 62.7 | .... | .... | 61.1 | 60.4 | 63.5 |
| 1967 | | | | | | | | | | | | |
| 5 | .... | +63.2 | .... | .... | +63.5 | .... | +63.0 | +61.0 | .... | +62.7 | +65.0 | +63.5 |
| 10 | +63.2 | 62.9 | .... | +66.0 | .... | +62.2 | 62.3 | .... | .... | 62.5 | 62.2 | 65.5 |
| 15 | 64.3 | e61.9 | .... | .... | .... | 61.7 | 61.4 | .... | .... | 65.5 | 62.8 | 64.3 |
| 20 | 62.6 | 63.1 | e+63.7 | .... | .... | 62.2 | 63.0 | 61.6 | .... | 63.5 | 63.6 | 63.8 |
| 25 | 60.8 | 63.0 | 66.8 | .... | .... | 62.2 | 63.2 | .... | .... | 64.0 | 65.8 | .... |
| Eom | 62.8 | .... | .... | .... | .... | 61.5 | 62.0 | .... | .... | 63.6 | 63.0 | 68.6 |

e Estimated.

Warren County

405050N0750333.1. Local number 24.2.8.4.8. (Well 4). Hoffman La Roche Co. Belvidere. Drilled observation artesian and water-table well in Wisconsin drift, diam 8 in, depth 128 ft, cased with steel. Lad 290.0 ft above msl. MP top of shelf, 2.60 ft above lad. Highest water level 256.76 above msl, Apr. 29, 1961; lowest 246.60 above msl, Nov. 20, 1965. Records available: 1960-67.

| Lowest water level for the day, above msl, from recorder graph, 1960 | | | | | | | | | | | | |
|--|---------|---------|---------|---------|---------|---------|----------|---------|---------|----------|----------|----------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | +252.05 | +250.10 | +249.45 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 251.70 | 249.50 | 249.35 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 251.35 | 249.80 | 249.30 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 250.85 | 249.70 | 249.20 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 249.55 | 249.15 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | +252.05 | 250.25 | 249.45 | 249.05 |
| 1961 | | | | | | | | | | | | |
| 5 | +249.00 | +249.05 | +254.40 | +256.05 | +256.15 | +253.15 | +250.60 | +249.30 | ..... | ..... | +248.20 | ..... |
| 10 | 249.00 | 249.00 | ..... | 255.45 | 255.55 | 252.50 | 250.25 | 249.20 | ..... | ..... | 248.25 | ..... |
| 15 | 249.05 | 248.90 | 255.70 | 255.10 | ..... | 252.10 | 249.95 | 249.15 | ..... | ..... | 248.20 | +248.20 |
| 20 | 249.05 | 248.90 | 256.00 | 255.80 | 254.95 | 251.65 | 249.75 | 249.05 | ..... | +248.40 | 248.25 | 248.15 |
| 25 | ..... | 249.90 | 255.95 | 256.30 | 254.50 | 251.30 | 249.55 | 249.00 | ..... | 248.35 | ..... | 248.45 |
| Eom | ..... | 251.60 | 256.10 | 256.70 | 253.75 | 250.95 | 249.40 | 249.25 | ..... | 248.25 | ..... | 248.60 |
| 1962 | | | | | | | | | | | | |
| 5 | +248.60 | ..... | +251.40 | +254.30 | +253.25 | +250.10 | +248.75 | +248.00 | ..... | +247.40 | +247.60 | ..... |
| 10 | 249.10 | +250.20 | 252.10 | 254.80 | ..... | 249.75 | 248.55 | 247.95 | ..... | 247.50 | 247.75 | ..... |
| 15 | 249.85 | 249.95 | 252.40 | 255.20 | 252.05 | 249.50 | 248.40 | 247.90 | ..... | 247.55 | 248.05 | ..... |
| 20 | 250.45 | 249.70 | 253.25 | 254.95 | 251.50 | 249.25 | 248.30 | 247.85 | ..... | 247.55 | 248.20 | ..... |
| 25 | ..... | 249.55 | 253.55 | 254.50 | 251.00 | 249.05 | 248.20 | 247.80 | +247.45 | 247.45 | ..... | +248.20 |
| Eom | ..... | 249.80 | 253.75 | 253.85 | 250.45 | 248.90 | 248.10 | 247.75 | 247.45 | 247.40 | ..... | 248.10 |
| 1963 | | | | | | | | | | | | |
| 5 | +247.95 | +248.70 | +248.40 | +254.60 | +251.15 | +249.65 | +248.45 | +247.90 | +247.45 | +247.20 | +246.90 | +247.30 |
| 10 | 247.90 | 248.75 | 249.15 | ..... | 250.75 | 249.35 | 248.25 | 247.85 | 247.40 | 247.20 | 247.00 | ..... |
| 15 | 247.90 | 248.75 | 250.90 | ..... | 250.50 | 249.15 | 248.15 | 247.75 | e247.35 | ..... | 247.20 | ..... |
| 20 | 248.10 | 248.65 | 252.25 | 252.70 | 250.35 | 249.00 | 248.00 | 247.65 | 247.30 | ..... | 247.15 | ..... |
| 25 | 248.40 | 248.55 | 252.95 | 252.10 | 250.20 | 248.80 | 248.00 | 247.60 | 247.30 | e247.00 | 247.10 | ..... |
| Eom | 248.60 | 248.50 | 254.10 | 251.55 | 249.90 | 248.60 | 247.90 | 247.55 | 247.25 | e246.95 | e247.15 | e247.65 |
| 1964 | | | | | | | | | | | | |
| 5 | +247.65 | +250.95 | +249.80 | +251.85 | +253.70 | +251.15 | e+249.35 | +248.30 | +247.75 | e+247.35 | e+246.95 | e+246.85 |
| 10 | 247.60 | 251.05 | 250.75 | 251.70 | 253.65 | 250.75 | e249.10 | 248.20 | 247.65 | e247.25 | e246.90 | e246.90 |
| 15 | 247.90 | e250.75 | 252.40 | 251.65 | 253.15 | e250.45 | e248.85 | 248.10 | 247.55 | e247.20 | e246.90 | e246.95 |
| 20 | e248.25 | e250.50 | e252.45 | 252.10 | 252.65 | e250.15 | 248.70 | 248.00 | 247.50 | e247.15 | e246.85 | e247.00 |
| 25 | e248.95 | e250.20 | e252.30 | 252.80 | e252.15 | e249.80 | 248.55 | 247.90 | 247.45 | e247.10 | e246.80 | e247.10 |
| Eom | e250.15 | e250.00 | e252.15 | 253.40 | e251.65 | e249.50 | 248.45 | 247.85 | 247.35 | e247.05 | e246.80 | e247.15 |
| 1965 | | | | | | | | | | | | |
| 5 | +247.20 | +247.05 | +248.75 | +248.95 | +249.30 | +248.15 | +247.25 | +246.85 | +246.75 | +246.80 | +246.70 | +246.90 |
| 10 | ..... | 247.45 | 248.95 | 248.95 | 249.15 | 248.05 | 247.15 | 246.85 | 246.75 | 246.85 | 246.65 | 246.90 |
| 15 | 247.30 | 248.45 | 249.15 | 249.15 | 248.95 | 247.85 | 247.10 | 246.80 | 246.70 | 246.95 | 246.65 | 246.90 |
| 20 | 247.15 | 248.85 | 249.15 | 249.30 | 248.75 | 247.70 | 247.00 | 246.80 | 246.70 | 246.90 | 246.60 | 247.00 |
| 25 | 247.15 | 248.90 | 249.05 | 249.45 | 248.55 | 247.55 | 247.00 | 246.75 | 246.70 | 246.85 | 246.65 | 247.00 |
| Eom | 247.10 | 248.90 | 249.00 | 249.45 | 248.30 | 247.40 | 246.90 | 246.75 | 248.75 | 246.80 | 248.80 | 247.15 |
| 1966 | | | | | | | | | | | | |
| 5 | +247.20 | +247.05 | +249.50 | +251.10 | +249.95 | +249.65 | +248.55 | +247.65 | +247.30 | +247.20 | +247.10 | +247.40 |
| 10 | 247.30 | 247.00 | 250.55 | 250.75 | 250.15 | 249.45 | e248.30 | 247.55 | 247.25 | 247.15 | 247.20 | 247.50 |
| 15 | 247.30 | 247.25 | 251.10 | 250.35 | 250.20 | 249.50 | 248.20 | 247.50 | 247.20 | 247.10 | 247.25 | 247.60 |
| 20 | 247.25 | 248.35 | 251.30 | 250.00 | 250.20 | 249.25 | 248.05 | 247.45 | 247.15 | 247.10 | 247.25 | 247.65 |
| 25 | 247.20 | 248.85 | 251.40 | 249.70 | 250.05 | 249.05 | 247.90 | 247.40 | 247.20 | 247.15 | 247.20 | 247.60 |
| Eom | 247.05 | 248.95 | 251.45 | 249.70 | 249.85 | 248.80 | 247.75 | 247.35 | ..... | 247.10 | ..... | 247.50 |
| 1967 | | | | | | | | | | | | |
| 5 | +247.60 | +249.75 | +249.45 | +254.85 | +252.65 | +252.25 | +250.10 | +249.95 | +252.70 | e+250.35 | +249.50 | +249.55 |
| 10 | 247.70 | 250.05 | 249.90 | 255.05 | 252.55 | 251.70 | 249.80 | ..... | 252.30 | e250.10 | 249.75 | 250.00 |
| 15 | 247.85 | 250.00 | 251.35 | 254.55 | 252.90 | 251.20 | 249.65 | ..... | e251.85 | e249.90 | 249.70 | 250.55 |
| 20 | 248.00 | 249.85 | 252.90 | 253.95 | 253.40 | 250.80 | 249.50 | ..... | e251.40 | e249.70 | 249.60 | 252.75 |
| 25 | 248.10 | 249.70 | 253.65 | 253.40 | 253.30 | 250.55 | 249.35 | ..... | 251.00 | e249.50 | 248.55 | 252.25 |
| Eom | 248.90 | 249.60 | 254.00 | 252.95 | 252.80 | 250.35 | 249.30 | 253.10 | e250.65 | 249.45 | 249.50 | 251.90 |

e Estimated.

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NEW YORK

The observation-well program in New York was continued during 1963 through 1967 in cooperation with the New York State Water Resources 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

Wells are numbered according to their latitude-longitude location, as explained elsewhere in this publication. Local well numbers are also given.

Local well numbers 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 $42^{\circ}49'N$. and west of longitude $73^{\circ}59'W$.

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 425840N0771339.1 (formerly Ot 900), which are above land-surface datum. On Long Island, water-levels are referred to mean sea level (Sandy Hook datum). For wells whose water levels fluctuate above and below mean sea level, a plus or minus sign, as appropriate, is shown for the first measurement in each column and for the first and last measurement of a series above (+) or below (-) sea level.

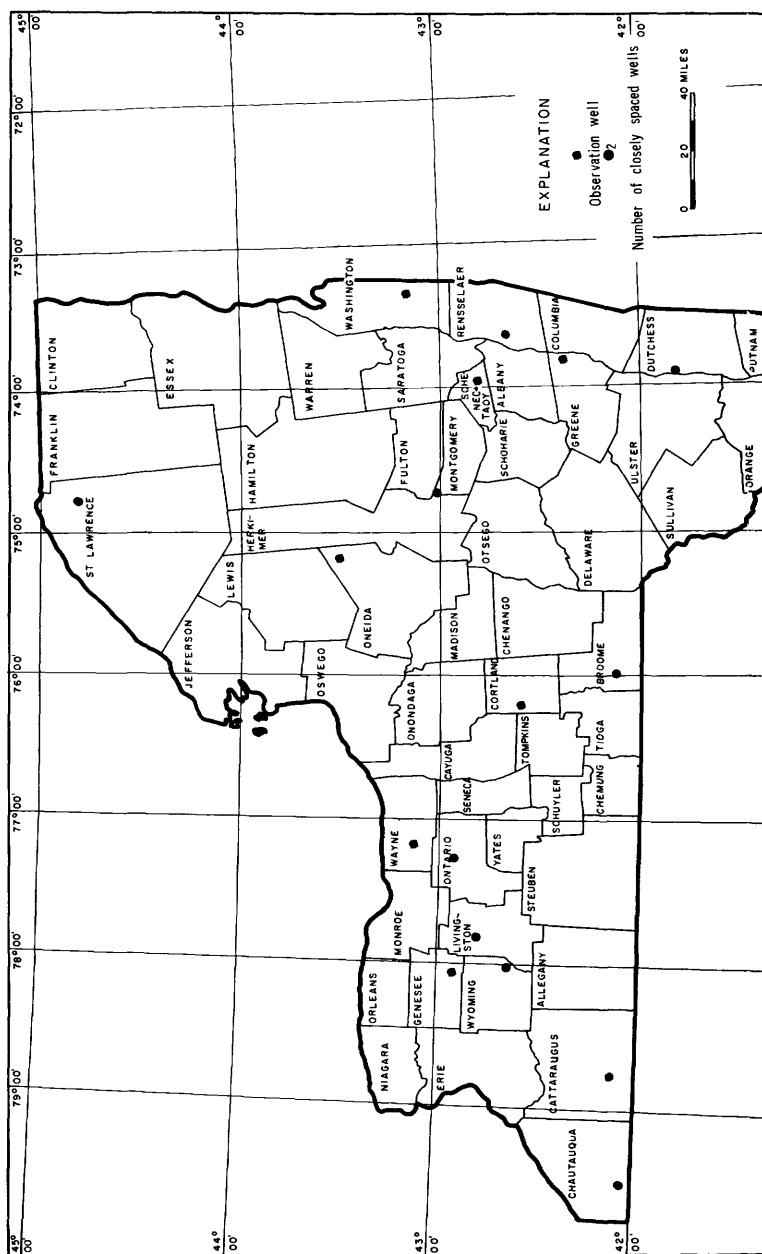
UPSTATE

Broome County

420657N0755835.1. Local number Bm 121. U.S. Geol. Survey. Camden and Main Sts., Johnson City. Drilled observation water-table well in glacial sand of Pleistocene age, diam 6 in, original depth 51 ft (has filled in to 46), 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 33.47 below lsd, Sept. 23, 1965. Records available: 1947-67. Water level affected by floods of Susquehanna River.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|-------|-------|-------|-------|-------|------|-------|-------|-------|------|
| 5 | 27.4 | 28.0 | 29.3 | 17.9 | .... | 26.8 | 28.3 | 29.1 | 29.7 | 30.4 | 31.0 | 30.0 |
| 10 | 27.7 | 28.2 | 29.2 | 19.2 | 25.9 | 27.4 | 28.5 | 29.2 | 29.8 | 30.5 | 31.8 | 29.8 |
| 15 | 27.7 | 28.4 | 28.8 | 21.4 | 26.0 | 27.8 | 28.5 | 29.3 | 29.9 | 30.6 | 31.6 | 29.0 |
| 20 | 27.4 | 28.7 | 27.4 | 23.1 | e26.2 | 27.8 | 28.7 | 29.4 | 30.1 | 30.9 | 31.5 | 29.0 |
| 25 | 27.4 | 28.9 | 26.4 | 24.0 | .... | 27.9 | 28.8 | 29.5 | 30.2 | 30.9 | 31.6 | 29.0 |
| Eom | 27.7 | 29.0 | 17.7 | 24.6 | 26.5 | 28.1 | 28.9 | 29.6 | 30.3 | 31.0 | 31.5 | 29.2 |
| 1964 | | | | | | | | | | | | |
| 5 | 29.4 | 26.3 | 29.1 | 21.6 | 23.4 | 27.2 | 29.5 | 30.4 | 31.9 | 32.5 | 32.9 | 32.8 |
| 10 | 29.7 | 26.9 | 18.1 | 22.2 | 24.1 | 27.8 | 29.7 | 30.7 | 32.1 | 32.5 | 32.9 | 32.7 |
| 15 | 29.5 | 27.6 | 16.2 | e22.4 | 25.0 | 28.1 | 30.1 | 31.0 | 32.3 | 32.6 | 32.9 | 32.5 |
| 20 | 29.6 | 28.3 | 17.9 | e23.1 | 25.4 | 28.5 | 30.4 | 31.2 | 32.4 | 32.7 | 33.0 | 32.3 |
| 25 | 29.1 | 28.6 | 20.1 | 22.9 | 25.9 | 28.9 | 30.4 | 31.5 | 32.5 | 32.9 | 33.0 | 32.1 |
| Eom | 26.1 | 28.9 | 20.8 | 23.2 | 26.7 | 29.3 | 30.4 | 31.7 | 32.5 | 32.9 | 32.9 | 31.8 |
| 1965 | | | | | | | | | | | | |
| 5 | 31.5 | 31.1 | e29.6 | 29.8 | 26.4 | 29.5 | 31.2 | 32.0 | 32.8 | 33.1 | e32.7 | 31.3 |
| 10 | 31.3 | 30.9 | 29.5 | 29.4 | 27.0 | 29.8 | 31.4 | 32.1 | 33.1 | 32.9 | 32.7 | 31.4 |
| 15 | 30.9 | 29.1 | 29.4 | 28.4 | 27.4 | 30.3 | 31.5 | 32.3 | 33.3 | 32.8 | 32.5 | 31.6 |
| 20 | 30.8 | 28.6 | 29.6 | 27.2 | 28.0 | 30.7 | 31.7 | 32.7 | 33.4 | 32.7 | 32.2 | 31.4 |
| 25 | 30.9 | 29.0 | 29.7 | 26.2 | 28.5 | e30.9 | 31.9 | 32.8 | 33.4 | 32.8 | 31.9 | 31.4 |
| Eom | 31.0 | 29.3 | 29.8 | 26.1 | 29.1 | 31.0 | 32.0 | 32.8 | 33.2 | e32.7 | 31.4 | 31.0 |
| 1966 | | | | | | | | | | | | |
| 5 | 30.9 | 30.5 | 27.8 | 25.7 | 25.3 | 26.6 | 29.0 | 31.5 | 32.4 | 32.3 | 32.7 | 31.8 |
| 10 | 30.6 | 30.6 | 26.2 | 26.1 | 25.6 | 27.4 | e29.5 | 31.8 | 32.3 | 32.3 | 32.7 | 31.8 |
| 15 | 30.3 | 29.6 | 25.9 | 25.6 | 25.2 | .... | 30.0 | 32.1 | 32.1 | 32.4 | 32.4 | 31.2 |
| 20 | 30.0 | 27.5 | 25.6 | 26.0 | 25.0 | 27.2 | 30.6 | 31.8 | 32.3 | .... | 32.2 | 30.9 |
| 25 | 30.0 | 27.8 | 25.1 | 26.2 | 25.1 | 27.5 | 30.8 | 31.9 | 32.4 | 32.4 | 32.0 | 31.0 |
| Eom | 30.3 | 28.0 | 24.3 | 25.3 | 25.9 | 28.2 | 31.3 | 32.2 | 32.4 | 32.5 | e32.1 | 31.2 |



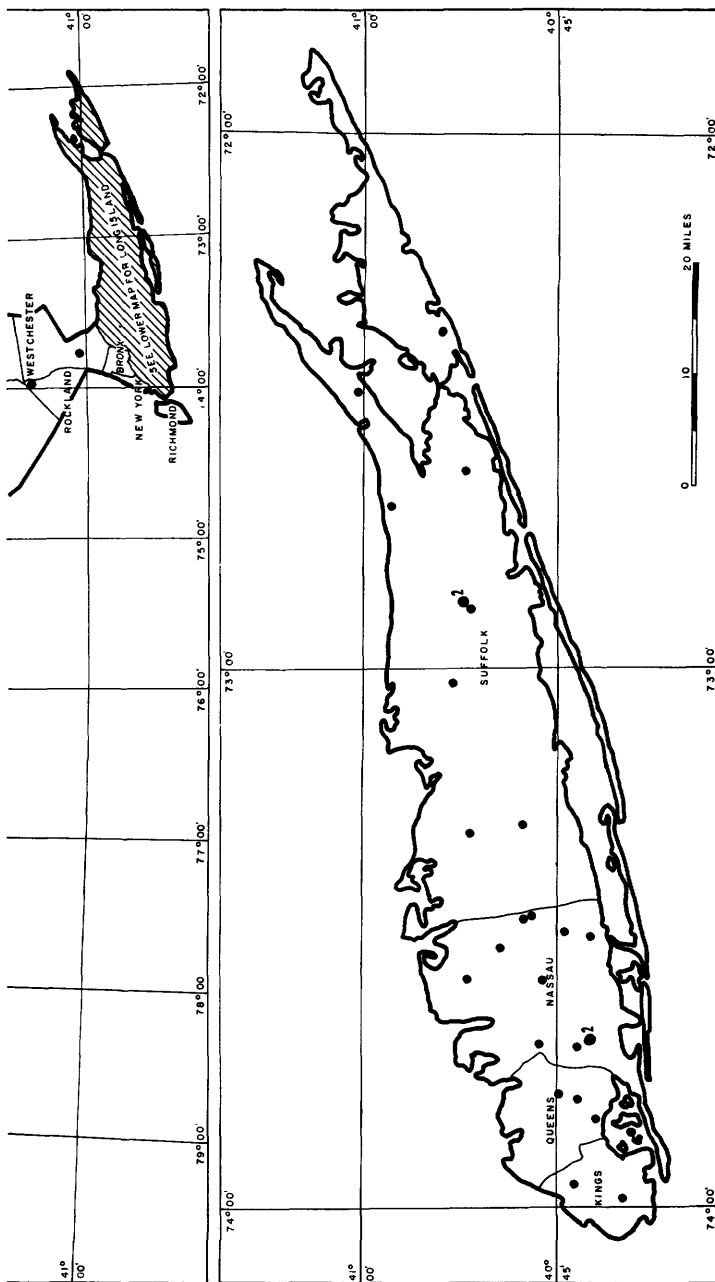


Figure 10. --Location of observation wells in New York, 1963-67.

420657N0755835.1--Continued.

| 1967 | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | 31.5 | 29.5 | 31.0 | 24.5 | 26.8 | 27.2 | 30.0 | 30.5 | 31.0 | 31.7 | 28.9 |
| 10 | 31.7 | 29.6 | 31.2 | 24.3 | 26.9 | 28.1 | 30.2 | 30.3 | 31.2 | 31.8 | 27.5 |
| 15 | 31.8 | 29.8 | 30.6 | 24.9 | 26.4 | 28.9 | 30.4 | 30.3 | 31.3 | 31.8 | 27.3 |
| 20 | 31.8 | 30.0 | 29.9 | 25.6 | 25.8 | 29.4 | 30.5 | 30.7 | 31.5 | 31.7 | 27.2 |
| 25 | 31.8 | 30.4 | 29.9 | 25.9 | 25.7 | 29.4 | 31.0 | 31.0 | 31.6 | 31.0 | 27.1 |
| Eom | 29.9 | 30.7 | 27.9 | 26.3 | 26.2 | 29.7 | 30.5 | 31.2 | 31.6 | 30.3 | 26.7 |

e Estimated.

Cattaraugus County

420530N0784452.1. Local number Ct 121. State Dept. of Conservation. Near Red House. Drilled unisid artesian well in sand and gravel of Pleistocene age, diam 6 in, depth 53 ft, cased to 53, open end. Lsd about 1,470 ft (previously reported 1,455 ft) above msl. MP top of casing. 0.30 ft above lsd. Highest water level 3.30 below lsd, Dec. 22, 1967; lowest 13.23 below lsd, Feb. 17, 1961. Records available: 1950-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1963 | 8.58 | Mar. 27, 1964 | 7.45 | June 11, 1965 | 7.69 | Sept. 2, 1966 | 9.81 |
| 11 | 8.68 | Apr. 3 | 6.82 | 18 | 7.76 | 9 | 9.44 |
| 18 | 8.39 | 11 | 6.70 | 25 | 8.21 | 17 | 9.45 |
| 25 | 8.46 | 17 | 6.51 | July 2 | 8.65 | 23 | 9.30 |
| Feb. 1 | 8.59 | 24 | 6.12 | 9 | 9.01 | 30 | 9.38 |
| 8 | 8.83 | May 1 | 6.27 | 16 | 9.35 | Oct. 7 | 9.42 |
| 15 | 9.06 | 8 | 6.37 | 23 | 9.57 | 14 | 9.55 |
| 22 | 9.40 | 15 | 7.12 | 30 | 9.80 | 21 | 9.65 |
| Mar. 1 | 9.61 | 22 | 7.56 | Aug. 6 | 10.12 | 28 | 9.35 |
| 8 | 9.83 | 29 | 8.12 | 13 | 10.33 | Nov. 4 | 9.17 |
| 15 | 9.29 | June 5 | 8.70 | 20 | 10.47 | 11 | 9.42 |
| 22 | 8.59 | 12 | 8.64 | 27 | 10.67 | 18 | 7.59 |
| 29 | 7.54 | 19 | 8.52 | Sept. 3 | 10.71 | Dec. 2 | 6.47 |
| Apr. 5 | 6.92 | 26 | 8.82 | 10 | 10.90 | 9 | 5.77 |
| 12 | 6.87 | July 3 | 8.97 | 17 | 11.05 | 16 | 5.53 |
| 19 | 6.85 | 10 | 9.35 | 24 | 11.15 | 23 | 5.86 |
| 26 | 6.30 | 17 | 9.33 | Oct. 1 | 11.42 | 30 | 6.26 |
| May 3 | 6.38 | 24 | 9.27 | 8 | 11.26 | Jan. 6, 1967 | 6.81 |
| 10 | 6.42 | 31 | 9.63 | 15 | 11.32 | 13 | 6.88 |
| 17 | 6.55 | Aug. 7 | 9.82 | 22 | 11.45 | 20 | 7.18 |
| 24 | 6.85 | 14 | 10.07 | 29 | 11.35 | 27 | 6.37 |
| 31 | 7.08 | 21 | 10.03 | Nov. 5 | 11.35 | Feb. 3 | 6.26 |
| June 7 | 7.41 | 28 | 10.17 | 13 | 11.05 | 10 | 5.77 |
| 14 | 8.03 | Sept. 2 | 10.13 | 19 | 10.43 | 17 | 6.03 |
| 21 | 8.65 | 4 | 10.09 | 26 | 9.40 | 24 | 5.75 |
| 28 | 9.20 | 11 | 10.35 | Dec. 3 | 8.70 | Mar. 3 | 6.09 |
| July 5 | 9.89 | 18 | 10.61 | 10 | 8.88 | 10 | 6.37 |
| 12 | 10.21 | 25 | 10.78 | 17 | 8.01 | 17 | 5.49 |
| 19 | 10.40 | Oct. 2 | 10.90 | 24 | 8.0 | 24 | 5.57 |
| 26 | 10.61 | 9 | 11.05 | 31 | 7.59 | 31 | 4.90 |
| Aug. 2 | 10.74 | 16 | 11.16 | Jan. 7, 1966 | 7.19 | Apr. 7 | 4.20 |
| 9 | 10.90 | 23 | 11.44 | 14 | 7.30 | 14 | 4.22 |
| 16 | 11.02 | 30 | 11.60 | 21 | 7.72 | 21 | 3.81 |
| 23 | 11.36 | Nov. 6 | 11.83 | 28 | 8.09 | 28 | 3.97 |
| 30 | 11.41 | 13 | 12.02 | Feb. 4 | 8.51 | May 12 | 3.88 |
| Sept. 6 | 11.60 | 20 | 12.05 | 11 | 8.76 | 19 | 3.42 |
| 13 | 11.69 | 27 | 11.97 | 18 | 8.09 | 26 | 4.11 |
| 20 | 11.69 | Dec. 4 | 11.83 | 25 | 7.79 | June 2 | 5.05 |
| 27 | 11.80 | 11 | 11.58 | Mar. 4 | 7.65 | 9 | 5.83 |
| Oct. 4 | 12.04 | 18 | 11.00 | 11 | 7.23 | 16 | 6.69 |
| 11 | 12.08 | 25 | 10.34 | 18 | 6.49 | 23 | 7.19 |
| 18 | 12.25 | Jan. 1, 1965 | 9.82 | 25 | 6.09 | July 1 | 7.65 |
| 25 | 12.36 | 8 | 9.17 | Apr. 1 | 5.59 | 7 | 8.27 |
| Nov. 1 | 12.41 | 15 | 8.87 | 8 | 5.83 | 14 | 8.58 |
| 8 | 12.20 | 22 | 8.88 | 16 | 5.90 | 21 | 8.95 |
| 15 | 12.03 | 29 | 8.53 | 22 | 6.26 | 28 | 8.81 |
| 22 | 11.73 | Feb. 5 | 8.60 | 29 | 5.45 | Aug. 4 | 8.54 |
| 29 | 11.09 | 12 | 8.70 | May 6 | 5.50 | 11 | 8.41 |
| Dec. 6 | 10.55 | 19 | 7.80 | 13 | 5.01 | 18 | 8.74 |
| 13 | 10.03 | 26 | 7.87 | 20 | 4.79 | 25 | 8.91 |
| 20 | 9.85 | Mar. 5 | 7.46 | 27 | 4.84 | Sept. 1 | 8.55 |
| 27 | 9.63 | 12 | 7.34 | June 3 | 5.90 | 8 | 8.17 |
| Jan. 3, 1964 | 9.38 | 19 | 7.43 | 10 | 4.62 | 15 | 7.88 |
| 10 | 8.99 | 26 | 7.41 | 17 | 6.36 | Oct. 20 | 6.49 |
| 17 | 8.66 | Apr. 2 | 7.51 | 24 | 6.46 | 27 | 5.55 |
| 24 | 8.60 | 9 | 6.83 | July 1 | 7.17 | Nov. 3 | 5.32 |
| 31 | 8.18 | 16 | 6.48 | 8 | 7.77 | 10 | 6.21 |
| Feb. 7 | 7.94 | 23 | 6.12 | 15 | 8.28 | 17 | 4.26 |
| 14 | 8.20 | 30 | 5.92 | 22 | 8.70 | Dec. 1 | 3.99 |
| 21 | 8.55 | May 7 | 5.91 | 29 | 8.98 | 8 | 3.68 |
| 28 | 8.82 | 14 | 5.81 | Aug. 5 | 9.34 | 15 | 3.29 |
| Mar. 6 | 9.21 | 21 | 6.28 | 12 | 9.44 | 22 | 3.30 |
| 13 | 8.34 | 28 | 6.92 | 19 | 9.67 | 29 | 3.47 |
| 20 | 7.61 | June 4 | 7.70 | 26 | 9.72 | | |

Chautauqua County

420326N0792958.1. Local number Cu 5. State Dept. of Conservation. Near Panama. Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 33 ft, stone-lined. Lsd about 1,750 ft (previously reported 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 1.20 below lsd, Dec. 26, 1964; lowest 9.41 below lsd, May 24, 1949. Records available: 1949-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 5, 1963 | 2.68 | Mar. 29, 1964 | 2.36 | May 23, 1965 | 3.37 | Nov. 14, 1966 | 3.13 |
| 13 | 2.74 | Apr. 4 | 2.34 | 30 | 3.55 | 17 | 3.25 |
| 19 | 2.70 | 11 | 2.43 | June 5 | 3.87 | 24 | 3.02 |
| 26 | 2.85 | 18 | 2.45 | 13 | 4.03 | Dec. 1 | 2.40 |
| Feb. 2 | 2.98 | 26 | 2.35 | 19 | 4.28 | 8 | 1.68 |
| 9 | 3.00 | May 3 | 2.72 | 26 | 4.58 | 15 | 2.57 |
| 18 | 3.06 | 10 | 3.27 | July 3 | 4.90 | 22 | 2.90 |
| 23 | 2.91 | 17 | 3.39 | 10 | 4.42 | 29 | 3.06 |
| Mar. 3 | 2.72 | 23 | 3.22 | 19 | 4.80 | Jan. 5, 1967 | 2.85 |
| 9 | 2.41 | 30 | 3.67 | 27 | 5.14 | 12 | 2.60 |
| 18 | 2.24 | June 7 | 3.82 | Aug. 3 | 5.39 | 19 | 2.70 |
| Apr. 20 | 2.94 | 14 | 4.17 | 14 | 5.82 | 26 | 2.40 |
| 28 | 3.11 | 20 | 4.46 | 21 | 5.95 | Feb. 2 | 2.60 |
| May 4 | 3.23 | 27 | 4.40 | 29 | 6.22 | 9 | 2.93 |
| 11 | 3.51 | July 5 | 4.56 | Sept. 11 | 5.77 | 16 | 2.85 |
| 19 | 3.89 | 13 | 3.67 | 21 | 6.07 | 23 | 2.90 |
| 26 | 4.42 | 18 | 3.28 | 27 | 6.28 | Mar. 2 | 3.30 |
| June 1 | 4.79 | 26 | 3.67 | Oct. 1 | 6.37 | 9 | 2.80 |
| 9 | 5.12 | Aug. 3 | 3.75 | 19 | 6.57 | 16 | 2.90 |
| 16 | 5.71 | 8 | 3.46 | 26 | 6.62 | 23 | 2.75 |
| 23 | 6.05 | 17 | 3.18 | Nov. 2 | 6.43 | 30 | 2.50 |
| 30 | 6.31 | 22 | 3.13 | 16 | 4.44 | Apr. 6 | 2.40 |
| July 7 | 6.60 | 29 | 3.27 | 23 | 4.07 | 13 | 2.80 |
| 14 | 6.87 | Sept. 5 | 3.76 | 30 | 3.89 | 20 | 2.60 |
| 21 | 6.94 | 12 | 4.08 | Dec. 4 | 3.39 | 27 | 2.85 |
| 29 | 7.06 | 20 | 4.51 | 11 | 2.86 | May 4 | 2.98 |
| Aug. 3 | 7.19 | 28 | 4.40 | 18 | 2.53 | 11 | 2.30 |
| 11 | 7.42 | Oct. 3 | 4.46 | 26 | 2.70 | 18 | 2.78 |
| 16 | 7.52 | 10 | 4.67 | Apr. 7 | 2.59 | 25 | 3.00 |
| 25 | 7.75 | 17 | 4.93 | 14 | 2.86 | June 1 | 3.10 |
| 31 | 7.83 | 24 | 5.20 | 21 | 3.15 | 8 | 3.20 |
| Sept. 6 | 7.94 | 31 | 5.16 | 28 | 2.71 | 15 | 3.35 |
| 15 | 8.14 | Nov. 8 | 5.51 | May 5 | 2.69 | 22 | 3.90 |
| 20 | 8.36 | 14 | 6.19 | 12 | 2.44 | 29 | 4.25 |
| 28 | 8.52 | 21 | 5.46 | 17 | 2.50 | July 6 | 4.65 |
| Oct. 1 | 8.54 | 28 | 3.09 | 25 | 3.11 | 13 | 4.35 |
| 16 | 8.94 | Dec. 5 | 2.73 | June 2 | 3.65 | 20 | 3.50 |
| 21 | 9.08 | 12 | 1.44 | 9 | 4.10 | 27 | 3.25 |
| 26 | 9.22 | 19 | 1.27 | 16 | 3.43 | Aug. 3 | 2.40 |
| Nov. 2 | 9.28 | 26 | 1.20 | 23 | 3.35 | 10 | 3.00 |
| 8 | 9.31 | Jan. 2, 1965 | 2.36 | 30 | 3.95 | 17 | 3.50 |
| 16 | 8.98 | 9 | 2.39 | July 7 | 3.98 | 24 | 3.55 |
| 23 | 8.65 | 16 | 2.50 | 14 | 4.79 | 31 | 3.25 |
| 30 | 8.37 | 23 | 2.67 | 21 | 5.13 | Sept. 7 | 3.25 |
| Dec. 7 | 8.00 | 30 | 2.88 | 28 | 5.40 | 14 | 3.17 |
| 14 | 7.41 | Feb. 6 | 2.95 | Aug. 4 | 5.68 | 21 | 3.20 |
| 22 | 6.56 | 13 | 2.93 | 11 | 5.90 | 28 | 2.20 |
| 28 | 5.29 | 19 | 2.78 | 18 | 6.10 | Oct. 5 | 2.84 |
| Jan. 4, 1964 | 3.97 | 27 | 2.48 | 25 | 6.25 | 12 | 3.20 |
| 11 | 2.83 | Mar. 6 | 2.44 | Sept. 1 | 6.44 | 19 | 2.35 |
| 18 | 2.72 | 14 | 2.61 | 8 | 6.60 | 26 | 2.65 |
| 26 | 2.69 | 21 | 2.87 | 15 | 6.80 | Nov. 2 | 2.85 |
| Feb. 1 | 2.60 | 27 | 2.84 | 22 | 7.00 | 9 | 2.60 |
| 8 | 2.64 | Apr. 3 | 2.60 | 29 | 6.93 | 16 | 2.65 |
| 15 | 2.73 | 10 | 2.63 | Oct. 6 | 6.71 | 23 | 2.63 |
| 22 | 2.79 | 17 | 2.73 | 13 | 6.80 | 30 | 2.80 |
| 29 | 2.90 | 25 | 2.81 | 20 | 6.60 | Dec. 7 | 3.00 |
| Mar. 7 | 2.32 | May 2 | 2.87 | 27 | 6.58 | 14 | 2.65 |
| 16 | 2.42 | 9 | 3.01 | Nov. 3 | 6.55 | 21 | 2.75 |
| 22 | 2.69 | 16 | 3.16 | 10 | 5.00 | 28 | 2.80 |
| 28 | 2.55 | | | | | | |

Cortland County

423539N0761148.1. Local number C 19. City of Cortland. Broadway, Cortland. Dug unused water-table well in glacial gravel of Pleistocene age, diam 6 in, depth 13 ft, cased to 13, open end. Lsd about 1,140 ft (previously reported 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 10.79 below lsd, Dec. 19, 1964. Records available: 1947-67. Water level may be affected by pumping from nearby municipal supply wells and by nearby stream.

423539N0761148.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|
| Jan. 5, 1963 | 7.18 | Apr. 4, 1964 | 4.29 | July 3, 1965 | 6.56 | Sept. 24, 1966 | 8.08 |
| 12 | 6.29 | 11 | 4.41 | 10 | 6.87 | Oct. 1 | 8.13 |
| 19 | 6.20 | 18 | 4.47 | 17 | 7.36 | 8 | 8.23 |
| 26 | 6.23 | 25 | 4.40 | 24 | 7.69 | 15 | 8.39 |
| Feb. 2 | 6.39 | May 2 | 4.43 | 31 | 8.15 | 22 | 8.49 |
| 9 | 6.39 | 9 | 4.53 | Aug. 7 | 8.24 | Nov. 5 | 8.82 |
| 16 | 6.51 | 16 | 4.68 | 14 | 8.37 | 12 | 8.86 |
| 23 | 6.64 | 23 | 4.80 | 21 | 8.62 | 19 | 8.74 |
| Mar. 2 | 6.79 | 30 | 4.92 | 28 | 8.68 | 27 | 8.66 |
| 9 | 6.92 | June 6 | 5.11 | Sept. 4 | 9.00 | Dec. 3 | 8.45 |
| 16 | 6.50 | 13 | 5.25 | 11 | 9.12 | 10 | 7.42 |
| 23 | 5.08 | 20 | 5.25 | 18 | 9.25 | 17 | 5.93 |
| 30 | 3.70 | 27 | 5.61 | 25 | 9.40 | 24 | 5.91 |
| Apr. 6 | 3.85 | July 4 | 6.31 | Oct. 2 | 9.55 | 31 | 5.57 |
| 13 | 4.11 | 11 | 6.99 | 9 | 9.67 | Jan. 7, 1967 | 5.45 |
| 20 | 4.11 | 18 | 6.83 | 16 | 9.95 | 14 | 5.54 |
| 27 | 4.30 | 25 | 6.99 | 23 | 10.11 | 21 | 5.70 |
| May 11 | 4.44 | Aug. 1 | 7.35 | 30 | 10.25 | 28 | 5.10 |
| 18 | 4.50 | 8 | 7.74 | Nov. 6 | 10.40 | Feb. 4 | 5.00 |
| 25 | 4.75 | 12 | 7.84 | 13 | 10.26 | 11 | 4.95 |
| June 1 | 4.77 | 22 | 8.17 | 20 | 10.67 | 18 | 4.87 |
| 8 | 4.93 | 29 | 8.23 | 27 | 10.52 | 25 | 4.90 |
| 15 | 5.02 | Sept. 5 | 8.36 | Dec. 4 | 10.06 | Mar. 4 | 5.20 |
| 22 | 5.06 | 12 | 8.50 | 11 | 8.65 | 11 | 3.68 |
| 29 | 4.99 | 19 | 8.72 | 25 | 8.23 | 18 | 4.80 |
| July 6 | 5.2 | 26 | 8.93 | Jan. 1, 1966 | 8.08 | Apr. 1 | 4.42 |
| 13 | 5.44 | Oct. 3 | 9.09 | 8 | 7.96 | 8 | 4.53 |
| 20 | 5.64 | 10 | 9.33 | 15 | 7.75 | 15 | 4.64 |
| 27 | 5.80 | 17 | 9.52 | 22 | 7.73 | 22 | 4.69 |
| Aug. 3 | 6.15 | 24 | 9.87 | 29 | 7.68 | 29 | 4.80 |
| 10 | 6.40 | 31 | 10.02 | Feb. 5 | 7.74 | May 6 | 4.92 |
| 17 | 6.60 | Nov. 7 | 10.06 | 12 | 7.69 | 13 | 4.86 |
| 24 | 6.74 | 14 | 10.18 | 19 | 6.31 | 20 | 4.82 |
| 31 | 6.94 | 21 | 10.31 | 26 | 5.77 | 27 | 4.99 |
| Sept. 7 | 7.15 | 29 | 10.36 | Mar. 3 | 4.99 | June 3 | 5.15 |
| 14 | 7.50 | Dec. 5 | 10.66 | 12 | 4.45 | 10 | 5.26 |
| 21 | 7.84 | 12 | 10.76 | 19 | 4.08 | 24 | 5.64 |
| 28 | 8.15 | 19 | 10.79 | 25 | 4.10 | July 1 | 5.97 |
| Oct. 5 | 8.43 | 26 | 10.66 | 26 | 4.15 | 8 | 5.46 |
| 12 | 8.55 | Jan. 2, 1965 | 10.13 | Apr. 2 | 4.24 | 15 | 6.02 |
| 18 | 8.72 | 9 | 8.04 | 9 | 4.37 | 22 | 6.73 |
| 19 | 8.73 | 16 | 7.71 | 16 | 4.47 | 29 | 6.77 |
| 26 | 8.90 | 23 | 7.43 | 23 | 4.57 | Aug. 5 | 6.73 |
| Nov. 2 | 8.99 | 30 | 7.37 | 30 | 4.45 | 12 | 6.95 |
| 9 | 9.07 | Feb. 6 | 7.48 | May 7 | 4.45 | 19 | 7.32 |
| 16 | 9.13 | 13 | 8.14 | 14 | 4.28 | 26 | 7.66 |
| 23 | 9.16 | 20 | 5.42 | 21 | 4.44 | Sept. 2 | 7.73 |
| 30 | 9.07 | 27 | 4.95 | 28 | 4.58 | 9 | 8.02 |
| Dec. 7 | 8.41 | Mar. 6 | 4.87 | June 4 | 4.80 | 16 | 8.21 |
| 14 | 6.80 | 13 | 4.99 | 11 | 4.65 | 23 | 8.25 |
| 21 | 6.45 | 20 | 5.00 | 18 | 4.65 | 30 | 8.40 |
| 28 | 6.37 | 27 | 4.22 | 25 | 4.94 | Oct. 7 | 8.51 |
| Jan. 4, 1964 | 6.22 | Apr. 3 | 5.04 | July 2 | 5.15 | 14 | 8.65 |
| 11 | 6.25 | 10 | 4.69 | 9 | 5.25 | 21 | 8.70 |
| 18 | 5.99 | 17 | 4.88 | 16 | 5.74 | 28 | 8.21 |
| 24 | 5.74 | 24 | 4.66 | 23 | 5.91 | Nov. 4 | 7.05 |
| Feb. 1 | 4.59 | May 1 | 4.61 | 30 | 6.24 | 11 | 6.25 |
| 8 | 4.57 | 8 | 4.60 | Aug. 6 | 6.60 | 18 | 5.48 |
| 15 | 4.75 | 15 | 4.75 | 13 | 6.33 | 25 | 4.57 |
| 22 | 4.86 | 22 | 4.91 | 20 | 6.65 | Dec. 2 | 4.58 |
| 29 | 5.04 | 29 | 5.09 | 27 | 6.05 | 9 | 4.70 |
| Mar. 7 | 3.98 | June 5 | 5.23 | Sept. 3 | 7.62 | 16 | 4.91 |
| 14 | 3.97 | 12 | 5.45 | 10 | 7.51 | 23 | 4.85 |
| 21 | 3.71 | 19 | 5.74 | 17 | 7.88 | 30 | 5.01 |
| 28 | 4.04 | 26 | 6.42 | | | | |

Dutchess County

414737N0735633.1. Local number Du 321. U. S. National Park Service. Near Hyde Park. Drilled unruled 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 73.85 below lsd, Sept. 13, 1966. Records available: 1946-50, 1953-67.

414737N0735633.1—Continued.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------------------|-------|
| 5 | 70.83 | 70.78 | ..... | 70.11 | 70.25 | 70.19 | 70.22 | ..... | 70.82 | 71.23 | 71.44 | 71.21 |
| 10 | 70.75 | ..... | 70.72 | 70.09 | 70.20 | 70.12 | 70.22 | 70.35 | ..... | 71.26 | 71.17 | 71.05 |
| 15 | 70.79 | ..... | 70.66 | 70.25 | 70.15 | 70.19 | 70.25 | 70.37 | 71.14 | 71.35 | 71.27 | 71.17 |
| 20 | 70.65 | ..... | 70.31 | 70.18 | 70.12 | 70.20 | 70.28 | 70.56 | 71.05 | 71.33 | 71.37 | 71.15 |
| 25 | 70.71 | ..... | 70.34 | 70.25 | 70.25 | 70.27 | 70.45 | 70.58 | 71.26 | 71.35 | 71.23 | 71.10 |
| Eom | ..... | ..... | 70.28 | 70.24 | 70.17 | 70.22 | 70.36 | 70.66 | 70.99 | 71.30 | e70.9 ^a | 71.41 |
| 1964 | | | | | | | | | | | | |
| 5 | 71.2 | 70.9 | 70.9 | 71.1 | 70.9 | 71.1 | 71.2 | 71.6 | 71.8 | 72.2 | 72.4 | 72.4 |
| 10 | 71.1 | 71.0 | 70.6 | 70.9 | 70.7 | 71.0 | 71.3 | 71.7 | 72.0 | 72.3 | 72.4 | 72.5 |
| 15 | 71.2 | 71.0 | 70.6 | 70.9 | 70.9 | 71.1 | 71.4 | 71.6 | 72.0 | 72.4 | 72.5 | 72.4 |
| 20 | 71.1 | 70.8 | 70.6 | 70.9 | 70.9 | 71.2 | 71.5 | 71.6 | 72.2 | 72.3 | 72.3 | 72.4 |
| 25 | 71.0 | 71.0 | 70.6 | 70.8 | 70.9 | 71.1 | 71.5 | 71.7 | 72.1 | 72.4 | 72.5 | 72.3 |
| Eom | 71.0 | 71.0 | 70.9 | 70.8 | 71.1 | 71.3 | 71.6 | 71.8 | 72.2 | 72.4 | 72.4 | 72.3 |
| 1965 | | | | | | | | | | | | |
| 5 | 72.3 | 72.5 | 71.8 | 71.9 | 71.9 | 72.2 | 72.6 | 73.1 | 73.2 | 73.0 | 73.2 | 73.0 |
| 10 | 72.3 | 72.1 | 71.8 | 71.8 | 71.9 | 72.2 | 72.6 | 73.0 | 73.1 | 73.0 | 73.1 | 73.2 |
| 15 | 72.3 | 72.0 | 71.9 | 71.8 | 71.9 | 72.3 | 72.7 | 73.1 | 73.1 | 73.1 | 73.2 | 73.0 |
| 20 | 72.2 | 71.9 | 71.9 | 71.9 | 72.0 | 72.3 | 72.8 | 73.0 | 73.2 | 73.1 | 73.1 | 73.0 |
| 25 | 72.2 | 71.8 | 71.9 | 71.9 | 72.0 | 72.4 | 72.8 | 73.1 | 73.0 | 73.0 | 73.2 | 72.9 |
| Eom | 72.3 | 71.9 | 71.9 | 71.8 | 72.1 | 72.5 | 73.0 | 73.2 | 73.2 | 73.1 | 73.1 | 73.0 |
| 1966 | | | | | | | | | | | | |
| 5 | 73.0 | 73.0 | 72.5 | 72.5 | 72.6 | 72.6 | 72.7 | 73.2 | 73.5 | 73.5 | 73.4 | 73.5 |
| 10 | 72.9 | 73.1 | 72.7 | 72.6 | 72.5 | 72.5 | 72.8 | 73.3 | 73.7 | 73.5 | 73.3 | 73.5 |
| 15 | 72.9 | 72.8 | 72.5 | 72.7 | 72.6 | 72.5 | 72.8 | 73.3 | 73.5 | 73.6 | 73.4 | 73.3 |
| 20 | 73.0 | 72.8 | 72.4 | 72.7 | 72.5 | 72.6 | 72.8 | 73.4 | 73.7 | 73.4 | 73.4 | 73.3 |
| 25 | 73.0 | 72.7 | 72.4 | 72.5 | 72.5 | 72.6 | 73.1 | 73.4 | 73.4 | 73.5 | 73.3 | 73.1 |
| Eom | 72.8 | 72.8 | 72.4 | 72.6 | 72.6 | 72.6 | 73.1 | 73.6 | 73.5 | 73.5 | 73.2 | 73.3 |
| 1967 | | | | | | | | | | | | |
| 5 | 73.21 | 72.93 | 73.04 | 72.44 | 72.12 | 71.96 | 71.72 | 71.63 | 71.70 | e71.89 | 71.74 | 71.54 |
| 10 | 73.21 | 72.93 | 73.00 | 72.81 | 71.79 | 71.86 | 71.78 | 71.60 | 71.71 | 71.84 | 71.85 | 71.56 |
| 15 | 73.15 | 72.94 | 72.70 | 72.29 | 71.89 | 71.89 | 71.77 | 71.70 | 71.78 | 71.98 | 71.68 | 71.34 |
| 20 | 73.32 | 73.03 | 72.84 | 72.12 | 71.87 | 71.77 | 71.83 | 71.65 | 71.79 | 71.82 | 71.74 | 71.45 |
| 25 | 73.13 | 72.88 | 72.67 | 72.09 | 71.90 | 71.78 | 71.65 | 71.76 | 71.76 | 71.79 | 71.59 | 71.35 |
| Eom | 73.28 | 72.96 | 72.56 | 72.14 | 71.88 | 71.84 | 71.71 | 71.61 | 71.76 | e71.92 | 71.73 | 71.33 |

e Estimated.

Genesee County

425516N0780320.1. Local number Gs 2. Paul Rignoni. Near Pavilion. Dug unused water-table well in glacial till of Pleistocene age, diam 36 in, depth 21 ft, stone-lined. Lsd about 1,030 ft (previously reported 1,045 ft) above msl. MP painted arrow on top edge of 2 × 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: 1950-67. 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. 5, 1963 | 1.88 | Sept. 7, 1963 | 3.57 | May 16, 1964 | 1.09 | Jan. 16, 1965 | 1.75 |
| 12 | 1.25 | 14 | 3.63 | 23 | 1.91 | 23 | 2.12 |
| 19 | 1.46 | 21 | 3.68 | 30 | 1.81 | 30 | (j) |
| Feb. 16 | 1.68 | 28 | 3.87 | June 6 | 2.13 | Feb. 6 | 1.72 |
| 2 | 1.84 | Oct. 9 | 4.13 | 13 | 2.34 | 13 | .86 |
| (j) | | 12 | 4.19 | 20 | 2.52 | 20 | (j) |
| 12 | 1.48 | 19 | 4.35 | 27 | 2.71 | 27 | (j) |
| 16 | 1.63 | 26 | 4.48 | July 4 | 2.90 | Mar. 6 | 1.12 |
| 23 | 1.34 | Nov. 2 | 4.59 | 11 | 3.16 | 13 | 1.21 |
| Mar. 2 | 1.76 | 10 | 1.95 | 18 | 3.30 | 20 | (j) |
| 9 | .61 | 16 | 1.83 | 25 | 3.52 | 27 | (j) |
| 16 | .63 | 23 | 2.01 | Aug. 1 | 3.71 | Apr. 3 | .72 |
| 23 | .86 | Dec. 1 | 1.19 | 8 | 3.97 | 10 | .90 |
| 30 | .84 | 7 | 1.28 | 15 | 4.20 | 17 | .87 |
| Apr. 6 | .87 | 14 | 1.23 | 22 | 4.03 | 24 | 1.01 |
| 13 | 1.42 | 21 | 1.47 | 29 | 4.20 | May 1 | 1.41 |
| 20 | .91 | 28 | 1.24 | Sept. 1 | 4.35 | 8 | 1.81 |
| 27 | 1.45 | Jan. 4, 1964 | .85 | 5 | 4.46 | 15 | 2.23 |
| May 4 | 1.93 | 11 | .79 | 12 | 4.67 | 22 | 2.54 |
| 11 | 1.25 | 18 | 1.28 | 19 | 4.87 | 29 | 2.79 |
| 18 | 1.73 | 25 | .57 | 26 | 4.99 | June 5 | 2.88 |
| 25 | 2.10 | Feb. 1 | 1.25 | Oct. 3 | 5.11 | 12 | 3.09 |
| June 1 | 2.33 | 8 | 1.30 | 10 | 5.26 | 19 | 3.32 |
| 8 | 2.56 | 15 | 1.73 | 17 | 5.40 | 26 | 3.58 |
| 15 | 2.76 | 22 | 1.92 | 24 | 5.52 | July 3 | 3.70 |
| 22 | 2.99 | 29 | 2.12 | 31 | 5.62 | 10 | 3.81 |
| 29 | 3.22 | Mar. 7 | .80 | Nov. 7 | 5.73 | 17 | 4.04 |
| July 6 | 3.33 | 14 | .79 | 14 | 5.85 | 24 | 4.27 |
| 13 | 3.57 | 21 | .85 | 21 | 5.91 | 31 | 4.49 |
| 20 | 3.56 | 28 | .64 | 28 | 5.95 | Aug. 7 | 4.68 |
| 27 | 2.98 | Apr. 4 | .73 | Dec. 5 | 6.01 | 14 | 4.81 |
| Aug. 3 | 3.27 | 11 | .93 | 12 | 5.17 | 21 | 4.75 |
| 10 | 3.51 | 18 | 1.53 | 19 | 4.16 | 28 | 4.93 |
| 17 | 2.79 | 25 | 1.05 | 26 | 3.08 | Sept. 4 | 4.96 |
| 24 | 3.16 | May 2 | 1.45 | Jan. 2, 1965 | 2.91 | 11 | 5.08 |
| 31 | 3.39 | 9 | 1.92 | 9 | .83 | 18 | 5.19 |

425516N0780320, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 25, 1965 | 5.30 | Apr. 23, 1966 | 1.77 | Nov. 15, 1966 | 2.36 | June 10, 1967 | 2.42 |
| Oct. 2 | 5.42 | 30 | .87 | 19 | 2.47 | 17 | 2.61 |
| 9 | 5.49 | May 7 | 1.53 | 26 | 2.65 | 24 | 2.78 |
| 16 | 5.61 | 14 | .86 | Dec. 3 | 1.31 | July 1 | 2.90 |
| 23 | 5.62 | 21 | 1.42 | 10 | .68 | 8 | 3.03 |
| 30 | 5.69 | 28 | 1.93 | 17 | 1.17 | 15 | 3.09 |
| Nov. 6 | 5.78 | June 4 | 2.20 | 24 | 1.57 | 22 | 3.14 |
| 13 | 5.79 | 11 | 2.11 | Jan. 7, 1967 | 1.80 | 29 | 3.24 |
| 20 | 5.99 | 18 | 2.26 | 14 | 1.42 | Aug. 5 | 3.34 |
| 27 | 1.65 | 25 | 2.44 | 21 | 1.69 | 12 | 3.44 |
| Dec. 4 | 1.46 | July 2 | 2.63 | 28 | .60 | 19 | 3.65 |
| 11 | 1.50 | 9 | 2.83 | Feb. 4 | 1.00 | 26 | 3.84 |
| 18 | 1.23 | 16 | 3.01 | 11 | 1.35 | Sept. 2 | 3.79 |
| 25 | .81 | 23 | 3.07 | 18 | .82 | 9 | 4.00 |
| Jan. 1, 1966 | .90 | 30 | 3.02 | 25 | 1.50 | 16 | 4.09 |
| 8 | .99 | Aug. 6 | 3.21 | Mar. 4 | .83 | 23 | 4.17 |
| 15 | 1.85 | 13 | 3.08 | 11 | .35 | 30 | 1.53 |
| 22 | 2.07 | 20 | 3.25 | 18 | .80 | Oct. 6 | 2.06 |
| 29 | 2.12 | 27 | 3.38 | 25 | .68 | 14 | 2.32 |
| Feb. 5 | 2.20 | Sept. 3 | 3.55 | Apr. 1 | .96 | 21 | .88 |
| 12 | .63 | 10 | 3.60 | 8 | .69 | 28 | .92 |
| 19 | .96 | 17 | 3.75 | 15 | 1.03 | Nov. 4 | 1.30 |
| 26 | .62 | 24 | 3.47 | 22 | 1.05 | 11 | 1.49 |
| Mar. 5 | .56 | Oct. 1 | 3.62 | 29 | 1.63 | 18 | .56 |
| 12 | .82 | 8 | 3.77 | May 6 | 1.94 | 25 | .70 |
| 19 | 1.12 | 15 | 3.88 | 13 | .79 | Dec. 2 | 1.39 |
| 26 | .72 | 22 | 4.01 | 20 | 1.51 | 9 | .77 |
| Apr. 2 | .68 | 29 | 4.14 | 27 | 1.97 | 16 | 1.04 |
| 9 | .99 | Nov. 5 | 4.14 | June 3 | 2.25 | 23 | .85 |
| 16 | 1.54 | 12 | 2.49 | | | | |

j Water surface frozen.

Greene County

422319N0734820.1. Local number G 1. Fred Kropp. Near West Coxsackie. 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 130 ft (previously reported 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, 1963; lowest 15.56 below lsd, Feb. 27, 1963. Records available: 1945-67.

| | | | | | | | |
|--------------|-------|--------------|-------|---------------|-------|---------------|-------|
| Jan. 9, 1963 | 11.25 | Nov. 6, 1963 | 13.74 | Aug. 25, 1964 | 14.03 | June 13, 1965 | 11.03 |
| 16 | 12.03 | 13 | 13.25 | Sept. 1 | 14.28 | 20 | 11.05 |
| 30 | 12.96 | 20 | 13.02 | 8 | 14.51 | 27 | 11.13 |
| Feb. 6 | 14.12 | 28 | 12.72 | 15 | 14.68 | July 4 | 11.74 |
| 13 | 15.06 | Dec. 7 | 11.66 | 22 | 14.87 | 11 | 12.16 |
| 22 | 15.48 | 14 | 10.35 | 29 | 14.97 | 19 | 12.67 |
| 27 | 15.66 | 21 | 10.22 | Oct. 6 | 15.05 | 26 | 12.86 |
| Mar. 9 | 14.97 | 28 | 9.78 | 13 | 15.05 | Aug. 2 | 13.30 |
| 16 | 8.28 | Jan. 4, 1964 | 9.85 | 20 | 15.08 | 9 | 13.74 |
| 23 | 2.44 | 12 | 9.71 | 27 | 15.09 | 16 | 13.59 |
| 30 | 2.61 | 19 | 9.86 | Nov. 3 | 15.12 | 23 | 12.87 |
| Apr. 7 | 3.51 | 26 | 3.93 | 10 | 15.15 | 30 | 12.86 |
| 14 | 3.78 | Feb. 2 | 4.05 | 17 | 15.19 | Sept. 7 | 11.96 |
| 21 | 4.69 | 9 | 3.75 | 24 | 15.19 | 13 | 11.92 |
| 28 | 5.61 | 16 | 4.91 | Dec. 4 | 15.18 | 20 | 11.61 |
| May 5 | 6.05 | 23 | 5.73 | 11 | 14.88 | 27 | 10.53 |
| 12 | 6.64 | Mar. 1 | 6.16 | 19 | 14.88 | Oct. 4 | 10.18 |
| 19 | 7.44 | 8 | 2.26 | 26 | 14.94 | 11 | 8.82 |
| 26 | 7.62 | 15 | 2.28 | Jan. 2, 1965 | 14.97 | 18 | 7.97 |
| June 2 | 8.76 | 22 | 2.88 | 9 | 14.93 | 25 | 8.09 |
| 9 | 9.49 | 29 | 2.70 | 16 | 14.93 | Nov. 1 | 8.60 |
| 16 | 9.08 | Apr. 5 | 2.75 | 23 | 14.97 | 8 | 9.32 |
| 23 | 9.17 | 12 | 3.61 | 30 | 14.98 | 15 | 9.83 |
| 30 | 9.49 | 19 | 2.28 | Feb. 4 | 14.91 | 22 | 10.26 |
| July 7 | 11.55 | 26 | 3.39 | 11 | 13.92 | 29 | 9.87 |
| 14 | 12.45 | May 3 | 4.25 | 18 | 13.29 | Dec. 6 | 9.86 |
| 21 | 13.36 | 10 | 4.91 | 26 | 13.41 | 13 | 10.12 |
| 28 | 14.48 | 17 | 4.03 | Mar. 4 | 13.29 | 20 | 9.52 |
| Aug. 4 | 13.16 | 24 | 5.52 | 11 | 13.07 | 27 | 9.12 |
| 11 | 12.97 | 31 | 5.65 | 18 | 13.04 | Jan. 3, 1966 | 8.50 |
| 18 | 13.18 | June 7 | 6.39 | 25 | 13.09 | 10 | 7.52 |
| 25 | 13.65 | 16 | 7.46 | Apr. 4 | 13.17 | 18 | 7.92 |
| Sept. 1 | 14.31 | 23 | 9.36 | 11 | 13.12 | 25 | 8.76 |
| 8 | 14.58 | 30 | 9.64 | 18 | 12.64 | Feb. 3 | 9.66 |
| 15 | 15.02 | July 7 | 10.39 | 25 | 11.68 | 8 | 10.10 |
| 22 | 15.01 | 14 | 10.98 | May 2 | 10.75 | 15 | 7.59 |
| 29 | 14.62 | 21 | 11.48 | 9 | 10.78 | 22 | 5.38 |
| Oct. 6 | 14.32 | 28 | 12.12 | 16 | 11.07 | Mar. 1 | 4.79 |
| 16 | 14.27 | Aug. 4 | 12.93 | 23 | 11.22 | 8 | 2.60 |
| 23 | 14.32 | 11 | 13.84 | 30 | 11.38 | 15 | 2.88 |
| 30 | 14.38 | 18 | 13.61 | June 6 | 11.06 | 22 | 2.47 |

422319N0734820, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Mar. 29, 1966 | 2.65 | Sept. 6, 1966 | 11.23 | Feb. 14, 1967 | 4.47 | July 27, 1967 | 5.47 |
| Apr. 5 | 2.97 | 13 | 11.33 | 21 | 4.77 | Aug. 3 | 5.70 |
| 13 | 3.73 | 20 | 11.99 | 28 | 5.41 | 10 | 6.56 |
| 19 | 4.27 | 28 | 8.57 | Mar. 8 | 5.53 | 17 | 7.87 |
| 26 | 3.60 | Oct. 4 | 5.70 | 17 | 2.50 | 24 | 8.44 |
| May 3 | 3.81 | 11 | 5.45 | 22 | 3.07 | 31 | 7.54 |
| 10 | 4.09 | 18 | 6.61 | 29 | 1.74 | Sept. 7 | 7.42 |
| 17 | 4.12 | 25 | 5.67 | Apr. 5 | 2.43 | 14 | 7.92 |
| 24 | 4.28 | Nov. 1 | 6.67 | 12 | 2.63 | 21 | 8.90 |
| 31 | 4.01 | 8 | 4.59 | 19 | 2.03 | 27 | 9.84 |
| June 7 | 4.94 | 15 | 4.45 | 26 | 2.71 | Oct. 5 | 10.29 |
| 14 | 4.34 | 25 | 5.22 | May 3 | 2.96 | 13 | 9.69 |
| 21 | 4.90 | 29 | 5.27 | 10 | 3.03 | 19 | 9.26 |
| 28 | 5.21 | Dec. 7 | 5.61 | 17 | 2.88 | 26 | 7.42 |
| July 6 | 6.75 | 13 | 5.53 | 25 | 4.00 | Nov. 1 | 5.41 |
| 13 | 7.56 | 20 | 5.54 | June 1 | 4.41 | 9 | 4.46 |
| 19 | 8.30 | 28 | 5.45 | 8 | 5.61 | 17 | 5.38 |
| 26 | 8.68 | Jan. 4, 1967 | 5.61 | 15 | 5.85 | 26 | 4.46 |
| Aug. 3 | 8.57 | 11 | 5.63 | 22 | 6.17 | Dec. 1 | 4.50 |
| 9 | 9.26 | 19 | 5.86 | 29 | 4.37 | 7 | 4.04 |
| 16 | 9.97 | 24 | 6.36 | July 6 | 4.10 | 14 | 3.85 |
| 24 | 10.51 | 31 | 3.91 | 13 | 4.37 | 27 | 3.72 |
| 30 | 11.25 | Feb. 8 | 4.15 | 21 | 4.60 | | |

Livingston County

424759N0774845, 1. Local number Lv 1. Maude Redmond. Formerly William Redmond. 33 North St., Genesee. Dug unused water-table well in glacial till(?) of Pleistocene age, diam 4 ft, depth 28 ft, stone-lined. Lsd about 795 ft (previously reported 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: 1942-67.

| | | | | | | | |
|---------------|------|---------------|------|--------------|------|---------------|------|
| Jan. 25, 1963 | 5.3 | Nov. 24, 1964 | 9.13 | May 25, 1965 | 5.02 | Apr. 29, 1966 | 4.49 |
| Feb. 25 | 5.3 | 25 | 9.13 | June 19 | 5.58 | May 24 | 4.73 |
| Mar. 25 | 4.1 | 27 | 9.12 | 25 | 5.99 | 25 | 4.79 |
| Apr. 25 | 4.5 | 30 | 9.09 | July 1 | 6.05 | June 24 | 5.20 |
| May 25 | 4.8 | Dec. 4 | 9.08 | 20 | 6.34 | July 25 | 5.84 |
| June 25 | 5.8 | 7 | 9.02 | 25 | 6.55 | Aug. 25 | 6.15 |
| July 25 | 6.4 | 15 | 8.79 | Aug. 26 | 7.36 | Sept. 25 | 6.00 |
| Aug. 29 | 5.8 | 24 | 8.64 | Sept. 25 | 8.03 | Oct. 5 | 5.99 |
| Sept. 30 | 7.5 | 24 | 8.58 | 30 | 8.13 | 27 | 6.95 |
| Oct. 25 | 8.1 | 31 | 8.25 | Oct. 22 | 8.36 | 31 | 7.10 |
| Nov. 26 | 7.4 | Jan. 6, 1965 | 8.12 | 25 | 8.26 | Nov. 25 | 6.89 |
| Dec. 24 | 6.4 | 13 | 7.50 | Nov. 2 | 8.02 | Dec. 13 | 5.72 |
| Jan. 28, 1964 | 4.2 | 22 | 7.15 | 9 | 7.89 | 27 | 5.55 |
| Feb. 25 | 3.9 | 28 | 7.07 | 15 | 7.65 | Jan. 25, 1967 | 5.84 |
| Mar. 25 | 3.9 | 31 | 6.73 | 16 | 7.51 | Feb. 24 | 4.69 |
| Apr. 25 | 4.4 | Feb. 8 | 6.33 | 23 | 7.15 | Mar. 28 | 4.33 |
| May 26 | 5.0 | 15 | 5.03 | 24 | 6.99 | Apr. 26 | 4.57 |
| June 26 | 5.5 | 24 | 4.81 | Dec. 12 | 6.02 | May 12 | 3.79 |
| July 28 | 6.6 | 26 | 4.79 | 24 | 5.22 | 15 | 3.98 |
| Aug. 28 | 7.3 | Mar. 7 | 4.60 | 31 | 4.58 | 26 | 4.76 |
| Sept. 26 | 7.97 | 25 | 4.39 | Jan. 9, 1966 | 3.96 | June 26 | 5.66 |
| 30 | 8.08 | 28 | 4.42 | 17 | 4.42 | July 26 | 6.45 |
| Oct. 26 | 8.70 | Apr. 12 | 3.95 | 25 | 4.76 | Aug. 25 | 6.98 |
| 29 | 8.76 | 23 | 3.98 | Feb. 7 | 4.94 | Oct. 2 | 6.72 |
| 30 | 8.78 | 26 | 4.25 | 25 | 4.45 | 26 | 4.02 |
| Nov. 6 | 8.89 | 30 | 4.29 | Mar. 8 | 4.09 | Nov. 27 | 3.94 |
| 16 | 9.03 | May 14 | 4.67 | 25 | 4.38 | Dec. 27 | 4.67 |
| 20 | 9.07 | 24 | 4.94 | Apr. 25 | 4.84 | | |

Montgomery County

430141N0744235, 1. Local number Mt 1. Marion G. Groff. Formerly Floyd Groff. Near St. Johnsville. Dug unused water-table well in glacial till of Pleistocene age, diam 24 in, depth 12 ft, stone-lined. Lsd about 710 ft (previously reported 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: 1942-67.

| | | | | | | | |
|--------------|------|--------------|------|--------------|------|--------------|------|
| Jan. 5, 1963 | 7.81 | Apr. 7, 1963 | 5.89 | July 6, 1963 | 7.97 | Oct. 5, 1963 | 9.29 |
| 12 | 7.91 | 13 | 6.03 | 13 | 8.27 | 12 | 9.33 |
| 19 | 7.92 | 20 | 5.98 | 20 | 8.58 | 19 | 9.41 |
| 26 | 8.06 | 27 | 5.54 | 27 | 8.81 | 26 | 9.49 |
| Feb. 2 | 8.22 | May 4 | 5.90 | Aug. 3 | 8.98 | Nov. 2 | 9.49 |
| 9 | 8.35 | 11 | 6.21 | 10 | 9.00 | 9 | 9.18 |
| 16 | 8.51 | 18 | 6.28 | 16 | 9.00 | 16 | 8.91 |
| 23 | 8.51 | 25 | 6.62 | 24 | 8.83 | 23 | 8.82 |
| Mar. 2 | 8.53 | June 1 | 6.94 | 31 | 8.88 | 30 | 8.68 |
| 9 | 8.48 | 8 | 7.24 | Sept. 7 | 8.91 | Dec. 7 | 8.59 |
| 16 | 8.24 | 15 | 7.32 | 14 | 9.14 | 14 | 8.26 |
| 23 | 7.79 | 22 | 7.34 | 21 | 9.26 | 21 | 8.41 |
| 30 | 6.92 | 29 | 7.64 | 28 | 9.35 | 28 | 8.58 |

430141N0744235.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1964 | 8.66 | Jan. 2, 1965 | 7.98 | Jan. 15, 1966 | 6.90 | Jan. 14, 1967 | 7.74 |
| 11 | 8.38 | 9 | 7.84 | 22 | 7.27 | 21 | 7.81 |
| 18 | 8.20 | 16 | 7.41 | 29 | 7.52 | 28 | 5.95 |
| 25 | 6.58 | 23 | 7.78 | Feb. 5 | 7.75 | Feb. 4 | 6.62 |
| Feb. 1 | 6.60 | 30 | 8.04 | 12 | 7.63 | 11 | 7.04 |
| 8 | 6.97 | Feb. 6 | 8.28 | 19 | 7.04 | 18 | 7.32 |
| 15 | 7.32 | 13 | 7.45 | 26 | 7.24 | 25 | 7.50 |
| 22 | 7.58 | 20 | 7.35 | Mar. 5 | 6.78 | Mar. 4 | 7.78 |
| 29 | 7.77 | Mar. 3 | 7.63 | 12 | 6.35 | 11 | 7.86 |
| Mar. 7 | 6.26 | 6 | 7.42 | 19 | 6.13 | 18 | 7.13 |
| 14 | 6.40 | 13 | 7.10 | 26 | 5.54 | 25 | 7.27 |
| 21 | 6.31 | 20 | 7.19 | Apr. 2 | 5.85 | Apr. 1 | 4.97 |
| 28 | 5.24 | 27 | 7.22 | 9 | 5.81 | 8 | 4.81 |
| Apr. 4 | 5.77 | Apr. 3 | 7.21 | 16 | 5.95 | 15 | 5.03 |
| 11 | 4.92 | 11 | 6.83 | 19 | 6.09 | 22 | 5.24 |
| 18 | 5.35 | 17 | 6.10 | 23 | 6.27 | 29 | 5.88 |
| 25 | 5.44 | 24 | 5.62 | 30 | 5.79 | May 6 | 6.22 |
| May 2 | 5.97 | May 1 | 5.57 | May 7 | 5.95 | 13 | 5.62 |
| 9 | 6.38 | 8 | 6.17 | 14 | 5.18 | 20 | 5.73 |
| 15 | 6.66 | 15 | 6.61 | 21 | 5.16 | 27 | 6.21 |
| 23 | 6.87 | 22 | 6.98 | 28 | 6.06 | June 3 | 6.69 |
| 30 | 7.20 | 29 | 7.30 | June 4 | 6.71 | 10 | 7.12 |
| June 7 | 7.54 | June 5 | 7.46 | 11 | 6.84 | 17 | 7.51 |
| 13 | 7.77 | 12 | 7.68 | 18 | 6.95 | 24 | 7.81 |
| 20 | 8.02 | 19 | 7.75 | 25 | 7.26 | July 1 | 8.18 |
| 27 | 8.36 | 26 | 8.02 | July 2 | 7.64 | 8 | 8.16 |
| July 4 | 8.70 | July 3 | 8.32 | 9 | 7.97 | 15 | 8.20 |
| 11 | 8.88 | 10 | 8.44 | 16 | 8.27 | 22 | 8.32 |
| 18 | 8.87 | 17 | 8.57 | 23 | 8.38 | 29 | 8.37 |
| 25 | 9.13 | 24 | 8.76 | 30 | 8.62 | Aug. 4 | 8.41 |
| Aug. 1 | 9.31 | 31 | 9.04 | Aug. 6 | 8.87 | 5 | 8.38 |
| 8 | 9.52 | Aug. 7 | 9.16 | 13 | 8.92 | 12 | 8.54 |
| 11 | 9.60 | 14 | 9.35 | 20 | 8.78 | 19 | 8.67 |
| 15 | 9.64 | 21 | 9.23 | 27 | 8.50 | 26 | 8.60 |
| 22 | 9.78 | 28 | 9.30 | Sept. 3 | 8.68 | Sept. 2 | 8.45 |
| 29 | 9.10 | Sept. 4 | 9.10 | 10 | 8.27 | 9 | 8.68 |
| Sept. 5 | 8.80 | 11 | 9.18 | 17 | 8.48 | 16 | 8.57 |
| 12 | 9.05 | 18 | 8.99 | 24 | 8.39 | 23 | 8.69 |
| 19 | 9.34 | 25 | 8.78 | Oct. 1 | 8.28 | 30 | 8.75 |
| 26 | 9.62 | Oct. 2 | 8.48 | 8 | 8.22 | Oct. 7 | 8.84 |
| Oct. 3 | 9.72 | 9 | 8.26 | 15 | 8.35 | 14 | 8.53 |
| 10 | 9.76 | 16 | 8.16 | 22 | 8.29 | 21 | 8.27 |
| 17 | 9.80 | 23 | 8.17 | 29 | 8.37 | 28 | 7.85 |
| 24 | 9.85 | 30 | 8.04 | Nov. 5 | 8.46 | Nov. 3 | 7.67 |
| 31 | 9.88 | Nov. 6 | 8.13 | 12 | 8.20 | 4 | 7.59 |
| Nov. 7 | 9.90 | 13 | 7.98 | 19 | 8.21 | 11 | 7.32 |
| 14 | 9.91 | 20 | 7.13 | 26 | 8.28 | 18 | 7.22 |
| 21 | 9.79 | 27 | 6.98 | Dec. 3 | 8.10 | 25 | 7.00 |
| 28 | 9.59 | Dec. 4 | 6.74 | 10 | 7.40 | Dec. 2 | 6.75 |
| Dec. 5 | 9.47 | 11 | 6.92 | 17 | 6.60 | 9 | 6.73 |
| 12 | 9.17 | 17 | 6.82 | 24 | 7.21 | 16 | 5.68 |
| 19 | 8.43 | Jan. 1, 1966 | 6.64 | 31 | 7.48 | 23 | 5.99 |
| 26 | 8.38 | 8 | 6.79 | Jan. 7, 1967 | 7.65 | 30 | 6.39 |

Oneida County

433112N0750915.1. Local number Oe 151. Henry Rubyor. Woodgate. Dug domestic water-table well in glacial sand of Pleistocene age, diam 36 in, depth 31 ft, stone-lined. Lsd 1,484.94 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. Highest water level 12.31 below lsd, Apr. 4, 1943; lowest 30.31 below lsd, Feb. 25, 1961. Records available: 1926-45, 1948-47.

| | | | | | | | |
|--------------|-------|--------------|-------|--------------|-------|---------------|-------|
| Jan. 5, 1963 | 26.41 | May 18, 1963 | 17.36 | Oct. 5, 1963 | 26.82 | Feb. 29, 1964 | 26.62 |
| 12 | 25.87 | 25 | 17.48 | 12 | 26.86 | Mar. 7 | 26.70 |
| 19 | 26.11 | June 1 | 18.06 | 19 | 27.20 | 14 | 23.80 |
| 26 | 26.32 | 8 | 18.90 | Nov. 15 | 27.98 | 21 | 22.79 |
| Feb. 2 | 26.40 | 15 | 19.22 | 16 | 28.03 | 28 | 22.73 |
| 9 | 26.68 | 22 | 19.90 | 23 | 29.09 | Apr. 4 | 21.50 |
| 16 | 26.94 | 29 | 20.80 | 30 | 28.65 | 11 | 20.90 |
| 23 | 27.20 | July 6 | 21.11 | Dec. 7 | 28.50 | 18 | 18.68 |
| Mar. 2 | 27.25 | 13 | 21.87 | 14 | 28.33 | 25 | 17.84 |
| 9 | 27.80 | 27 | 22.91 | 21 | 28.39 | May 2 | 18.10 |
| 16 | 27.95 | Aug. 3 | 23.42 | 28 | 28.35 | 9 | 18.20 |
| 23 | 28.61 | 10 | 23.95 | Jan. 4, 1964 | 28.26 | 16 | 18.85 |
| 30 | 27.65 | 17 | 24.30 | 11 | 28.78 | 23 | 19.14 |
| Apr. 6 | 21.89 | 24 | 24.75 | 18 | 28.66 | 30 | 19.53 |
| 13 | 19.20 | 31 | 25.05 | 25 | 28.70 | June 6 | 20.17 |
| 20 | 18.25 | Sept. 7 | 25.45 | Feb. 1 | 27.83 | 13 | 20.69 |
| 27 | 18.00 | 14 | 26.55 | 8 | 26.66 | 20 | 21.04 |
| May 4 | 17.80 | 21 | 26.40 | 15 | 26.86 | 27 | 21.86 |
| 11 | 17.65 | 28 | 26.45 | 22 | 26.20 | July 4 | 22.24 |

433112N0750915.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| July 11, 1964 | 22.73 | May 22, 1965 | 20.49 | Apr. 23, 1966 | 19.70 | Mar. 11, 1967 | 25.53 |
| 18 | 23.40 | 29 | 20.66 | 30 | 19.49 | 18 | 25.88 |
| 25 | 23.85 | June 5 | 21.09 | May 7 | 19.44 | 25 | 26.08 |
| Aug. 1 | 24.33 | 12 | 21.41 | 14 | 19.72 | Apr. 1 | 25.90 |
| 8 | 24.78 | 19 | 21.84 | 21 | 20.00 | 8 | 23.14 |
| 15 | 25.16 | 26 | 22.32 | 28 | 20.32 | 15 | 21.12 |
| 22 | 25.50 | July 17 | 23.60 | June 4 | 20.34 | 18 | 20.40 |
| 29 | 25.93 | 24 | 24.06 | 11 | 20.62 | 22 | 19.99 |
| Sept. 5 | 25.99 | 31 | 24.30 | 18 | 21.36 | 29 | 19.62 |
| 12 | 26.68 | Aug. 7 | 25.70 | 25 | 21.68 | May 6 | 19.71 |
| 19 | 26.78 | 14 | 25.01 | July 2 | 22.19 | 13 | 20.20 |
| 26 | 27.06 | 21 | 25.54 | 9 | 22.44 | 20 | 19.71 |
| Oct. 3 | 27.43 | 28 | 25.79 | 16 | 23.56 | 27 | 19.36 |
| 10 | 27.78 | Sept. 4 | 26.01 | 23 | 24.19 | June 3 | 19.74 |
| 17 | 28.13 | 11 | 26.22 | 30 | 24.00 | 10 | 20.14 |
| 24 | 28.04 | 18 | 26.58 | Aug. 6 | 24.80 | 17 | 20.84 |
| 31 | 28.78 | 25 | 26.42 | 13 | 25.33 | 24 | 21.40 |
| Nov. 7 | 28.96 | Oct. 2 | 26.61 | 20 | 25.65 | July 1 | 22.11 |
| 14 | 28.48 | 9 | 26.54 | 27 | 25.93 | 8 | 22.56 |
| 21 | 28.96 | 16 | 26.50 | Sept. 3 | 25.83 | 15 | 23.06 |
| 28 | 28.90 | 23 | 26.33 | 10 | 26.60 | 22 | 23.55 |
| Dec. 5 | 29.04 | 30 | 25.53 | 17 | 26.35 | 29 | 23.72 |
| 12 | 29.10 | Nov. 6 | 25.32 | 24 | 26.50 | Aug. 5 | 24.15 |
| 19 | 29.22 | 13 | 25.29 | Oct. 1 | 26.59 | 12 | 23.66 |
| 26 | 29.46 | 20 | 25.22 | 8 | 26.72 | 19 | 23.58 |
| Jan. 2, 1965 | 29.50 | 27 | 24.41 | 15 | 27.10 | 26 | 23.54 |
| 9 | 29.8 | Dec. 4 | 22.28 | 22 | 27.26 | Sept. 2 | 23.91 |
| 16 | 29.4 | 11 | 21.42 | 29 | 27.35 | 9 | 24.24 |
| 23 | 29.7 | 18 | 21.15 | Nov. 5 | 27.44 | 13 | 24.34 |
| 30 | 29.4 | 25 | 21.29 | 12 | 27.64 | 16 | 24.38 |
| Feb. 6 | 29.0 | Jan. 1, 1966 | 21.95 | 19 | 27.51 | 23 | 24.65 |
| 7 | 28.9 | 8 | 21.86 | 26 | 27.21 | 30 | 24.97 |
| 8 | 28.93 | 15 | 22.20 | Dec. 3 | 27.00 | Oct. 7 | 25.31 |
| 13 | 28.71 | 22 | 22.45 | 10 | 26.77 | 12 | 25.21 |
| 20 | 28.30 | 29 | 22.70 | 17 | 26.68 | 14 | 25.24 |
| 27 | 27.78 | Feb. 5 | 23.10 | 24 | 25.94 | 25 | 25.68 |
| Mar. 6 | 27.41 | 12 | 23.68 | 31 | 25.50 | 28 | 25.72 |
| 13 | 26.95 | 21 | 23.34 | Jan. 7, 1967 | 25.44 | Nov. 4 | 25.75 |
| 20 | 26.43 | 26 | 23.55 | 14 | 25.23 | 11 | 24.69 |
| 27 | 26.05 | Mar. 5 | 23.48 | 21 | 25.58 | 18 | 23.17 |
| Apr. 3 | 26.24 | 12 | 22.60 | 28 | 25.76 | 25 | 22.03 |
| 10 | 25.92 | 19 | 22.22 | Feb. 4 | 25.62 | Dec. 2 | 21.74 |
| 17 | 25.50 | 21 | 22.54 | 11 | 25.45 | 9 | 21.60 |
| 24 | 23.86 | 26 | 21.57 | 18 | 25.26 | 16 | 21.10 |
| May 1 | 21.66 | Apr. 2 | 20.31 | 25 | 25.33 | 23 | 20.31 |
| 8 | 20.50 | 9 | 19.72 | Mar. 4 | 25.49 | 30 | 19.99 |
| 15 | 20.28 | 16 | 20.16 | | | | |

Ontario County

425840N0771339.1. Local number Ot 900. State Thruway Authority. At New York State Thruway Interchange No. 43. Near Manchester. Drilled unroofed artesian well in Camillus Shale of the Salina Group of Late 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 10.78 above lsd, Apr. 27, 1964; lowest 4.59 above lsd, Nov. 11, 1957. Records available: 1955-67.

| Jan. 7, 1963 | +7.25 | July 1, 1963 | +7.58 | Dec. 23, 1963 | +7.42 | June 15, 1964 | +9.73 |
|--------------|-------|--------------|-------|---------------|-------|---------------|-------|
| 14 | 7.07 | 8 | 7.38 | 30 | 7.06 | 22 | 9.27 |
| 21 | 7.16 | 15 | 7.29 | Jan. 6, 1964 | 7.55 | 29 | 8.90 |
| Feb. 28 | 6.89 | 22 | 7.05 | 13 | 7.76 | July 6 | 8.71 |
| 11 | (j) | 29 | 6.94 | 20 | 8.09 | 13 | 8.53 |
| 18 | 7.30 | Aug. 5 | 6.60 | 27 | 8.08 | 20 | 8.25 |
| 25 | 7.27 | 12 | 6.49 | Feb. 3 | 7.99 | 27 | 7.93 |
| Mar. 25 | 7.42 | 21 | 6.30 | 10 | 8.22 | Aug. 3 | 7.77 |
| 4 | 7.34 | 26 | 6.15 | 17 | 8.10 | 10 | 7.46 |
| 11 | 7.50 | Sept. 2 | 6.08 | 24 | 8.07 | 14 | 7.33 |
| 18 | 7.99 | 9 | 6.05 | Mar. 2 | 8.01 | 17 | 7.29 |
| 25 | 8.54 | 16 | 5.79 | 9 | 8.44 | 24 | 7.05 |
| Apr. 1 | 8.68 | 23 | 5.66 | 16 | 8.60 | 31 | 7.08 |
| 8 | 9.00 | 30 | 5.79 | 23 | 8.83 | Sept. 7 | 6.71 |
| 15 | 8.80 | Oct. 7 | 5.78 | 30 | 9.81 | 14 | 6.72 |
| 22 | 8.92 | 14 | 5.45 | Apr. 6 | 10.47 | 21 | 6.41 |
| 29 | 8.83 | 21 | 5.33 | 13 | 10.73 | 28 | 6.23 |
| May 6 | 8.82 | 28 | 5.43 | 20 | 10.72 | Oct. 5 | 6.19 |
| 13 | 8.74 | Nov. 4 | 5.32 | 27 | 10.78 | 12 | 6.05 |
| 20 | 8.76 | 11 | 5.57 | May 4 | 10.60 | 19 | 6.06 |
| 27 | 8.51 | 18 | 5.56 | 11 | 10.39 | 26 | 5.82 |
| June 3 | 8.47 | 25 | 5.38 | 18 | 10.27 | Nov. 2 | 5.76 |
| 10 | 8.34 | Dec. 2 | 5.88 | 25 | 10.13 | 9 | 5.76 |
| 17 | 8.16 | 9 | 6.64 | June 1 | 9.89 | 16 | 5.86 |
| 24 | 7.63 | 16 | 6.76 | 8 | 9.87 | 23 | 5.55 |

425840N0771339.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|---------------|-------------|--------------|-------------|
| Nov. 30, 1964 | +5.64 | Sept. 20, 1965 | +5.97 | June 27, 1966 | +8.54 | Apr. 3, 1967 | +9.08 |
| Dec. 7 | 5.74 | 27 | 5.65 | July 4 | 8.27 | 10 | 9.24 |
| 14 | 5.96 | Oct. 4 | 5.77 | 11 | 8.06 | 17 | 9.39 |
| 21 | 5.87 | 11 | 5.78 | 18 | 7.72 | 24 | 9.32 |
| 28 | 5.95 | 18 | 5.54 | 25 | 7.56 | May 1 | 9.25 |
| Jan. 4, 1965 | 6.16 | 25 | 5.77 | Aug. 1 | 7.39 | 8 | 9.47 |
| 11 | 6.45 | Nov. 1 | 5.76 | 8 | 7.30 | 15 | 9.46 |
| 18 | 6.96 | 8 | 5.96 | 15 | 6.98 | 22 | 9.32 |
| 25 | 6.95 | 15 | 5.91 | 22 | 6.92 | 29 | 9.27 |
| Feb. 1 | 7.15 | 22 | 6.30 | Sept. 29 | 6.68 | June 5 | 9.03 |
| 8 | 7.02 | 29 | 6.53 | 5 | 6.78 | 12 | 8.90 |
| 15 | 8.01 | Dec. 6 | 6.72 | 12 | 6.47 | 19 | 8.80 |
| 22 | 8.48 | 13 | 6.92 | 14 | 6.52 | 26 | 8.56 |
| Mar. 1 | 8.44 | 20 | 7.11 | 19 | 6.40 | July 3 | 8.61 |
| 8 | 8.63 | 27 | 7.13 | 26 | 6.47 | 10 | 8.33 |
| 15 | 8.85 | Jan. 3, 1966 | 7.50 | Oct. 3 | 6.36 | 17 | 8.16 |
| 29 | 9.11 | 10 | 7.83 | 10 | 6.45 | 24 | 8.33 |
| Apr. 5 | 9.09 | 17 | 7.84 | 17 | 6.20 | 31 | 8.21 |
| 12 | 9.58 | 24 | 7.85 | 24 | 6.08 | Aug. 3 | 8.10 |
| 19 | 9.35 | Feb. 2 | 7.98 | 31 | 6.17 | 7 | 7.93 |
| 26 | 9.73 | 7 | 7.78 | Nov. 7 | 6.03 | 14 | 7.99 |
| May 3 | 9.49 | 14 | 8.18 | 14 | 6.09 | 21 | 7.94 |
| 10 | 9.48 | 21 | 8.47 | 21 | 5.96 | 28 | 7.96 |
| 17 | 9.19 | 28 | 8.92 | 28 | 6.50 | Sept. 4 | 7.75 |
| 24 | 8.86 | Mar. 7 | 9.13 | Dec. 5 | 6.42 | 11 | 7.62 |
| 31 | 8.67 | 14 | 9.28 | 12 | 6.70 | 18 | 7.66 |
| June 7 | 8.60 | 21 | 9.41 | 19 | 7.26 | 25 | 7.58 |
| 14 | 8.31 | 23 | 9.60 | 26 | 7.48 | Oct. 2 | 7.65 |
| 21 | 8.26 | 28 | 9.61 | Jan. 2, 1967 | 7.54 | 9 | 7.76 |
| 28 | 7.88 | Apr. 4 | 9.83 | 9 | 7.59 | 16 | 7.61 |
| July 5 | 7.78 | 11 | 9.43 | 16 | 7.65 | 20 | 7.73 |
| 12 | 7.38 | 18 | 9.41 | 23 | 7.81 | 23 | 7.77 |
| 19 | 7.20 | 25 | 9.27 | 30 | 7.70 | 30 | 8.10 |
| 26 | 7.07 | May 2 | 9.23 | Feb. 6 | 7.87 | Nov. 6 | 8.32 |
| Aug. 2 | 6.97 | 9 | 9.31 | 13 | 7.91 | 13 | 8.63 |
| 9 | 6.74 | 16 | 9.46 | 20 | 8.28 | 20 | 8.67 |
| 16 | 6.44 | 23 | 9.30 | 27 | 8.20 | 27 | 9.00 |
| 23 | 6.28 | 31 | 9.16 | Mar. 6 | 8.35 | Dec. 4 | 8.93 |
| 30 | 6.03 | June 6 | 8.99 | 13 | 8.45 | 11 | 9.12 |
| Sept. 6 | 5.98 | 13 | 8.96 | 20 | 8.56 | 18 | 9.19 |
| 13 | 6.02 | 20 | 8.67 | 27 | 8.84 | 22 | 9.22 |

j Water surface frozen.

Rensselaer County

423834N0733910.1. Local number Re 700. William P. Hofmann. Near Defreestville. Dug domestic water-table well in sand and gravel of Pleistocene age, diam 4 ft, depth 16 ft, stone-lined. Lsd about 405 ft (previously reported 410 ft) above msl. 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 15.49 below lsd, Oct. 3, 1964. Records available: 1954-67.

| | | | | | | | |
|--------------|-------|--------------|-------|---------------|-------|----------------|-------|
| Jan. 5, 1963 | 13.77 | Aug. 4, 1963 | 13.87 | Feb. 23, 1964 | 12.09 | Sept. 12, 1964 | 14.82 |
| 13 | 13.89 | 11 | 14.25 | Mar. 1 | 11.82 | 19 | 15.14 |
| 20 | 13.61 | 17 | 14.05 | 8 | 11.12 | 26 | 15.09 |
| 27 | 13.34 | 25 | 14.28 | 15 | 9.89 | Oct. 3 | 15.49 |
| Feb. 3 | 13.75 | Sept. 1 | 14.33 | 22 | 10.30 | 10 | 14.65 |
| 10 | 13.42 | 7 | 14.41 | 29 | 10.31 | 17 | 14.61 |
| 17 | 13.48 | 16 | 14.58 | Apr. 5 | 10.50 | 24 | 14.60 |
| 24 | 13.33 | 22 | 14.60 | 12 | 10.48 | 31 | 14.54 |
| Mar. 3 | 13.42 | 29 | 14.54 | 19 | 10.40 | Nov. 7 | 14.60 |
| 10 | 13.24 | Oct. 6 | 14.49 | 26 | 10.30 | 14 | 14.64 |
| 17 | 12.55 | 13 | 14.48 | May 3 | 10.51 | 21 | 14.54 |
| 24 | 11.67 | 16 | 14.35 | 10 | 11.10 | 28 | 14.57 |
| 31 | 10.30 | 20 | 14.48 | 17 | 11.44 | Dec. 5 | 14.59 |
| Apr. 7 | 10.28 | 27 | 14.38 | 24 | 12.00 | 12 | 14.46 |
| 14 | 10.57 | Nov. 2 | 14.35 | 31 | 12.27 | 19 | 14.48 |
| 21 | 10.66 | 11 | 13.95 | June 7 | 12.35 | 26 | 14.65 |
| 28 | 11.07 | 17 | 14.11 | 14 | 12.66 | Jan. 2, 1965 | 14.55 |
| May 5 | 11.14 | 24 | 13.82 | 21 | 13.02 | 9 | 14.40 |
| 12 | 11.40 | Dec. 1 | 13.49 | 28 | 13.15 | 16 | 14.32 |
| 19 | 11.30 | 8 | 13.87 | July 5 | 13.72 | 23 | 14.60 |
| 26 | 11.60 | 15 | 13.69 | 12 | 13.56 | 31 | 14.49 |
| June 2 | 12.15 | 22 | 13.84 | 18 | 13.67 | Feb. 7 | 14.45 |
| 9 | 12.29 | 29 | 13.91 | 25 | 14.05 | 13 | 13.45 |
| 16 | 12.15 | Jan. 5, 1964 | 14.05 | 31 | 14.25 | 21 | 13.49 |
| 23 | 12.40 | 11 | 13.80 | Aug. 3 | 14.21 | 27 | 13.74 |
| 30 | 13.00 | 19 | 14.00 | 15 | 14.31 | Mar. 6 | 13.73 |
| July 7 | 12.93 | 26 | 12.52 | 19 | 14.60 | 14 | 13.85 |
| 14 | 13.25 | Feb. 1 | 12.10 | 23 | 14.76 | 20 | 13.80 |
| 21 | 13.40 | 9 | 11.70 | 30 | 14.85 | 28 | 13.76 |
| 28 | 13.62 | 16 | 11.82 | Sept. 5 | 15.00 | Apr. 4 | 13.79 |

423834N0733910.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|-------------|-------------|
| Apr. 11, 1965 | 13.47 | Dec. 19, 1965 | 14.36 | Aug. 31, 1966 | 14.58 | May 6, 1967 | 10.30 |
| 17 | 13.28 | 25 | 14.27 | Sept. 3 | 14.50 | 13 | 10.21 |
| 25 | 13.27 | Jan. 1, 1966 | 14.42 | 10 | 14.41 | 20 | 10.08 |
| May 2 | 13.08 | 9 | 14.23 | 17 | 14.79 | 27 | 10.12 |
| 9 | 13.12 | 15 | 14.22 | 25 | 13.98 | June 3 | 10.72 |
| 15 | 13.31 | 22 | 14.19 | Oct. 1 | 14.06 | 10 | 11.36 |
| 22 | 13.68 | 29 | 14.12 | 10 | 13.84 | 17 | 11.67 |
| 28 | 13.85 | Feb. 8 | 14.13 | 16 | 13.86 | 24 | 11.60 |
| June 7 | 14.04 | 13 | 13.84 | 22 | 14.07 | July 1 | 11.95 |
| 12 | 13.89 | 19 | 13.13 | 30 | 13.76 | 8 | 12.30 |
| 19 | 14.21 | 27 | 13.32 | Nov. 5 | 13.49 | 15 | 12.48 |
| 26 | 14.32 | Mar. 5 | 12.71 | 12 | 13.68 | 22 | 12.66 |
| July 3 | 14.44 | 12 | 12.51 | 19 | 13.40 | 29 | 12.58 |
| 10 | 15.03 | 20 | 12.09 | 26 | 13.42 | Aug. 5 | 12.79 |
| 17 | 14.70 | 27 | 11.43 | Dec. 3 | 13.49 | 12 | 13.01 |
| 24 | 14.90 | Apr. 3 | 11.28 | 10 | 13.34 | 19 | 13.19 |
| 31 | 14.57 | 9 | 11.30 | 18 | 13.04 | 26 | 13.48 |
| Aug. 8 | 14.91 | 16 | 11.65 | 24 | 13.08 | Sept. 2 | 13.32 |
| 14 | 14.89 | 23 | 11.86 | 31 | 13.25 | 9 | 13.67 |
| 21 | 14.75 | 30 | 12.14 | Jan. 8, 1967 | 12.73 | 16 | 13.57 |
| 28 | 15.00 | May 8 | 12.26 | 14 | 12.77 | 23 | 13.72 |
| Sept. 4 | 14.77 | 14 | 11.68 | 21 | 12.74 | 30 | 13.82 |
| 11 | 14.70 | 21 | 11.74 | 28 | 12.17 | Oct. 8 | 14.10 |
| 18 | 14.80 | 28 | 12.35 | Feb. 4 | 11.95 | 14 | 13.78 |
| 25 | 14.75 | June 4 | 12.69 | 11 | 12.00 | 22 | 14.24 |
| Oct. 2 | 14.89 | 11 | 12.44 | 18 | 12.01 | 29 | 13.65 |
| 9 | 14.37 | 18 | 12.76 | 25 | 12.35 | Nov. 5 | 13.45 |
| 16 | 14.28 | 25 | 13.08 | Mar. 4 | 12.59 | 11 | 13.41 |
| 23 | 14.41 | July 2 | 13.19 | 11 | 12.45 | 18 | 13.49 |
| 30 | 14.39 | 10 | 13.65 | 18 | 11.67 | 25 | 13.37 |
| Nov. 6 | 14.81 | 16 | 13.94 | 25 | 11.69 | Dec. 3 | 12.80 |
| 14 | 14.48 | 24 | 13.86 | Apr. 1 | 10.87 | 9 | 12.70 |
| 21 | 14.35 | 31 | 13.96 | 8 | 10.58 | 16 | 11.91 |
| 28 | 14.39 | Aug. 13 | 14.05 | 15 | 10.57 | 23 | 11.68 |
| Dec. 4 | 14.12 | 20 | 14.32 | 22 | 10.00 | 30 | 12.08 |
| 12 | 14.37 | 27 | 14.50 | 29 | 10.14 | | |

Rockland County

411802N0735930.1. Local number Ro 18. Palisades Interstate Park Comm. In Bear Mountain section near Lemon Rd. and Seven Lakes Dr. Drilled unused artesian well in Storm King Granite of Berkey (1907) of Precambrian age (previously reported glacial drift of Pleistocene age), diam 6 in, depth 61 ft, cased to 53, open end. Lsd about 390 ft above msl. MP top of casing, 3.65 ft above lsd. Highest water level 10.55 below lsd, Mar. 3, 1961; lowest 28.16 below lsd, Nov. 29, 1964. Records available: 1949-67.

| | | | | | | | |
|--------------|-------|---------------|-------|--------------|-------|--------------|-------|
| Jan. 4, 1963 | 19.96 | Oct. 11, 1963 | 23.65 | July 3, 1964 | 18.15 | Apr. 4, 1965 | 16.34 |
| 11 | 19.70 | 18 | 23.95 | 10 | 18.10 | 11 | 16.35 |
| 18 | 19.68 | 25 | 24.52 | 17 | 18.14 | 18 | 16.08 |
| 25 | 19.51 | Nov. 1 | 25.53 | 24 | 18.65 | 25 | 15.74 |
| Feb. 1 | 19.18 | 8 | 24.35 | 31 | 19.21 | May 2 | 15.58 |
| 22 | 17.97 | 15 | 22.40 | Aug. 7 | 19.99 | 9 | 15.49 |
| Mar. 8 | 16.46 | 22 | 22.30 | 14 | 20.54 | 16 | 15.72 |
| 15 | 12.62 | 29 | 21.73 | 28 | 21.85 | 23 | 16.07 |
| 22 | 12.37 | Dec. 6 | 21.09 | Sept. 4 | 22.65 | 30 | 16.51 |
| 29 | 12.73 | 13 | 20.83 | 11 | 23.20 | June 6 | 16.66 |
| Apr. 5 | 13.65 | 20 | 20.97 | 18 | 24.04 | 13 | 16.94 |
| 12 | 14.60 | 27 | 21.69 | 25 | 25.09 | 27 | 17.99 |
| 19 | 15.62 | Jan. 3, 1964 | 22.50 | Oct. 2 | 24.75 | July 4 | 18.83 |
| May 3 | 16.54 | 10 | 22.18 | 9 | 24.58 | 11 | 19.30 |
| 10 | 16.83 | 17 | 19.95 | 16 | 25.00 | 18 | 20.00 |
| 17 | 17.16 | 31 | 15.20 | 23 | 25.50 | 25 | 20.45 |
| 24 | 17.28 | Feb. 7 | 15.20 | 30 | 26.11 | Aug. 3 | 21.07 |
| 31 | 17.64 | 21 | 15.45 | Nov. 13 | 27.26 | 10 | 20.65 |
| June 7 | 18.09 | Mar. 6 | 15.97 | 20 | 28.00 | 17 | 20.30 |
| 14 | 18.28 | 13 | 14.28 | 29 | 28.16 | 24 | 20.94 |
| 21 | 18.39 | 20 | 14.23 | Dec. 4 | 27.21 | 31 | 20.94 |
| 28 | 18.75 | 27 | 15.12 | 11 | 26.46 | Sept. 7 | 21.20 |
| July 5 | 19.27 | Apr. 3 | 15.37 | 18 | 26.15 | 14 | 21.85 |
| 12 | 19.58 | 10 | 14.94 | 26 | 26.40 | 21 | 22.01 |
| 19 | 19.36 | 17 | 13.62 | Jan. 8, 1965 | 24.37 | 28 | 21.69 |
| 26 | 19.00 | 24 | 13.53 | 22 | 24.27 | Oct. 5 | 21.39 |
| Aug. 2 | 19.54 | May 1 | 14.29 | 30 | 24.47 | 12 | 20.90 |
| 9 | 20.31 | 8 | 14.83 | Feb. 7 | 24.19 | 19 | 20.60 |
| 23 | 20.78 | 15 | 15.21 | 14 | 20.40 | 28 | 20.94 |
| 30 | 21.38 | 22 | 15.41 | 21 | 19.29 | Nov. 4 | 21.71 |
| Sept. 6 | 22.80 | 29 | 16.02 | 28 | 18.18 | 12 | 22.81 |
| 13 | 23.39 | June 12 | 16.53 | Mar. 7 | 17.20 | 19 | 23.43 |
| 20 | 23.48 | 19 | 17.03 | 14 | 16.58 | Dec. 4 | 22.59 |
| 27 | 23.46 | 26 | 17.43 | 21 | 16.54 | 10 | 23.10 |
| Oct. 4 | 22.85 | July 2 | 17.79 | 28 | 16.43 | 18 | 22.74 |

411802N0735930.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Dec. 24, 1965 | 23.06 | July 11, 1966 | 18.45 | Jan. 9, 1967 | 16.82 | July 17, 1967 | 17.79 |
| 31 | 22.10 | 18 | 19.10 | 16 | 16.04 | 24 | 18.31 |
| Jan. 7, 1966 | 21.33 | 25 | 19.90 | 23 | 15.65 | Aug. 7 | 18.81 |
| 14 | 21.25 | Aug. 1 | 20.63 | 24 | 15.64 | 21 | 19.20 |
| 21 | 21.45 | 8 | 21.35 | 30 | 15.04 | 28 | 19.00 |
| Feb. 4 | 22.07 | 15 | 22.02 | Feb. 20 | 15.15 | Sept. 5 | 18.90 |
| 11 | 22.53 | 22 | 22.50 | 27 | 15.42 | 11 | 19.37 |
| 18 | 19.16 | 29 | 23.03 | Mar. 6 | 15.60 | 18 | 20.05 |
| Mar. 4 | 15.11 | Sept. 12 | 23.85 | 27 | 13.31 | 25 | 20.83 |
| 11 | 13.31 | 19 | 23.69 | Apr. 3 | 12.63 | Oct. 3 | 20.96 |
| 20 | 13.95 | 26 | 21.69 | 10 | 14.37 | 9 | 21.23 |
| Apr. 4 | 15.09 | Oct. 3 | 21.04 | 17 | 15.06 | 16 | 20.87 |
| 11 | 15.61 | 10 | 20.97 | 24 | 15.47 | 23 | 20.77 |
| 25 | 16.35 | 17 | 21.49 | May 1 | 15.76 | 26 | 20.82 |
| May 2 | 16.60 | 31 | 20.54 | 8 | 15.62 | 30 | 20.53 |
| 9 | 16.63 | Nov. 7 | 19.65 | 22 | 14.85 | Nov. 6 | 20.04 |
| 16 | 16.59 | 14 | 18.76 | June 12 | 16.50 | 20 | 19.91 |
| 23 | 16.44 | 21 | 18.65 | 19 | 16.67 | 27 | 19.90 |
| June 6 | 16.58 | 28 | 18.60 | July 3 | 17.00 | Dec. 4 | 19.17 |
| 13 | 16.55 | Dec. 5 | 18.31 | 6 | 17.07 | 19 | 14.40 |
| 20 | 16.91 | 12 | 18.31 | 10 | 17.23 | 26 | 14.50 |
| 27 | 17.30 | Jan. 4, 1967 | 17.28 | | | | |

St. Lawrence County

444904N0744552.1. Local number 449-445-1. State Dept. of Conservation. Near Brasher Falls. 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 9.38 below lsd, Oct. 24, 1964. Records available: 1953-67.

| | | | | | | | |
|--------------|------|---------------|------|--------------|------|---------------|------|
| Jan. 5, 1963 | 6.64 | Dec. 14, 1963 | 6.99 | Dec. 5, 1964 | 8.65 | Nov. 20, 1965 | 7.49 |
| 12 | 6.74 | 21 | 7.20 | 12 | 8.44 | 27 | 7.26 |
| 19 | 6.79 | 27 | 7.34 | 19 | 8.29 | Dec. 4 | 6.63 |
| 26 | 6.92 | Jan. 4, 1964 | 7.43 | 26 | 7.95 | 11 | 6.62 |
| Feb. 2 | 7.02 | 11 | 7.28 | Jan. 2, 1965 | 7.76 | 18 | 6.63 |
| 9 | 7.12 | 18 | 7.51 | 9 | 7.79 | 26 | 6.64 |
| 16 | 7.31 | 25 | 6.89 | 16 | 7.76 | Jan. 2, 1966 | 6.49 |
| 23 | 7.18 | Feb. 1 | 6.84 | 23 | 7.87 | 9 | 6.61 |
| Mar. 2 | 7.31 | 8 | 7.08 | 30 | 7.99 | 16 | 6.78 |
| 9 | 7.22 | 15 | 7.14 | Feb. 7 | 8.13 | 23 | 7.12 |
| 17 | 7.21 | 24 | 7.39 | 13 | 7.49 | 30 | 7.22 |
| 23 | 6.82 | 29 | 7.45 | 20 | 7.54 | Feb. 5 | 7.35 |
| 29 | 4.77 | Mar. 7 | 6.71 | 27 | 7.67 | 12 | 7.05 |
| Apr. 6 | 4.20 | 14 | 6.62 | Mar. 6 | 7.35 | 20 | 6.81 |
| 13 | 4.62 | 21 | 6.49 | 13 | 7.35 | 26 | 6.98 |
| 20 | 4.78 | 28 | 6.42 | 20 | 7.47 | Mar. 5 | 6.49 |
| 27 | 4.88 | Apr. 4 | 6.21 | 27 | 7.69 | 12 | 6.21 |
| May 4 | 5.01 | 11 | 5.81 | Apr. 3 | 7.68 | 19 | 5.78 |
| 11 | 4.66 | 18 | 5.68 | 10 | 7.42 | 27 | 5.28 |
| 18 | 5.23 | 25 | 5.57 | 17 | 6.62 | Apr. 2 | 5.34 |
| 25 | 5.24 | May 9 | 5.97 | 24 | 6.37 | 9 | 5.33 |
| June 1 | 5.74 | 16 | 5.95 | May 1 | 6.14 | 16 | 5.40 |
| 7 | 5.66 | 23 | 5.77 | 7 | 6.41 | 23 | 5.63 |
| 15 | 5.93 | 30 | 5.84 | 15 | 6.58 | 30 | 5.74 |
| 22 | 6.16 | June 6 | 6.03 | 22 | 6.77 | May 7 | 5.91 |
| 29 | 6.61 | 13 | 6.28 | 29 | 6.98 | 14 | 5.91 |
| July 6 | 6.98 | 20 | 6.71 | June 5 | 7.18 | 21 | 5.80 |
| 13 | 7.35 | 27 | 7.02 | 12 | 7.34 | 28 | 5.95 |
| 20 | 7.39 | July 4 | 7.25 | 20 | 7.64 | June 4 | 6.32 |
| 27 | 7.62 | 11 | 7.54 | 26 | 7.93 | 11 | 6.55 |
| Aug. 3 | 7.95 | 18 | 7.79 | July 3 | 8.17 | 18 | 6.42 |
| 10 | 8.11 | 25 | 8.11 | 10 | 8.15 | 25 | 6.62 |
| 18 | 7.71 | Aug. 1 | 8.34 | 17 | 8.36 | July 2 | 6.93 |
| 24 | 8.09 | 8 | 8.62 | 24 | 8.58 | 9 | 7.39 |
| 30 | 8.10 | 15 | 8.66 | 31 | 8.75 | 16 | 7.41 |
| Sept. 7 | 7.95 | 22 | 8.78 | Aug. 7 | 8.92 | 23 | 7.71 |
| 15 | 7.93 | 29 | 8.37 | 14 | 8.68 | 30 | 7.91 |
| 22 | 7.81 | Sept. 5 | 8.69 | 21 | 8.52 | Aug. 6 | 8.13 |
| 28 | 8.05 | 12 | 9.13 | 28 | 8.61 | 13 | 8.28 |
| Oct. 5 | 8.11 | 19 | 9.06 | Sept. 4 | 8.28 | 20 | 8.23 |
| 12 | 8.21 | 26 | 9.28 | 11 | 8.24 | 28 | 8.34 |
| 17 | 8.36 | Oct. 3 | 9.21 | 18 | 8.26 | Sept. 3 | 8.54 |
| 19 | 8.35 | 10 | 9.20 | 25 | 8.45 | 10 | 8.47 |
| 26 | 8.41 | 17 | 9.25 | Oct. 3 | 8.56 | 19 | 8.61 |
| Nov. 2 | 8.46 | 24 | 9.38 | 10 | 8.55 | 24 | 8.52 |
| 9 | 8.18 | 31 | 9.31 | 16 | 8.22 | Oct. 2 | 8.57 |
| 16 | 7.91 | Nov. 7 | 9.24 | 23 | 8.10 | 8 | 8.66 |
| 23 | 7.48 | 14 | 9.13 | 30 | 8.03 | 15 | 8.72 |
| 30 | 7.39 | 22 | 8.53 | Nov. 6 | 7.80 | 22 | 8.89 |
| Dec. 7 | 6.96 | 28 | 8.74 | 13 | 7.79 | 29 | 8.97 |

444904N0744552.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|----------------|-------------|
| Nov. 6, 1966 | 8.89 | Feb. 25, 1967 | 7.47 | June 17, 1967 | 6.11 | Sept. 23, 1967 | 8.83 |
| 12 | 8.49 | Mar. 4 | 7.57 | 24 | 5.66 | 30 | 8.78 |
| 19 | 8.21 | 12 | 7.48 | July 1 | 5.96 | Oct. 7 | 8.79 |
| 26 | 8.04 | 18 | 7.29 | 8 | 6.18 | 14 | 8.82 |
| Dec. 3 | 8.09 | 25 | 7.29 | 15 | 6.49 | 21 | 8.78 |
| 10 | 7.90 | Apr. 2 | 6.26 | 22 | 6.85 | 28 | 8.54 |
| 18 | 7.38 | 15 | 5.87 | 29 | 7.32 | Nov. 4 | 8.18 |
| 24 | 7.31 | 22 | 5.40 | Aug. 5 | 7.71 | 11 | 7.73 |
| 31 | 7.40 | 29 | 5.46 | 12 | 7.68 | 18 | 7.78 |
| Jan. 8, 1967 | 7.51 | May 6 | 5.73 | 19 | 8.00 | 25 | 7.58 |
| 14 | 7.55 | 13 | 5.91 | 26 | 8.08 | Dec. 2 | 7.53 |
| 21 | 7.61 | 20 | 5.23 | Sept. 2 | 8.38 | 9 | 7.77 |
| 28 | 6.89 | 27 | 5.57 | 9 | 8.40 | 16 | 7.51 |
| Feb. 4 | 6.88 | June 3 | 5.75 | 13 | 8.48 | 23 | 6.93 |
| 11 | 6.77 | 10 | 6.06 | 16 | 8.60 | 30 | 7.16 |
| 18 | 7.21 | | | | | | |

Schenectady County

424910N0735914.1. Local number 249-359-58. City of Schenectady. Drilled observation water-table well in sand and gravel of Pleistocene age, diam 6 in, original depth 57 ft (has filled in to 54), cased to 57, open end. Lsd 228.50 ft above msl. MP top of shelter platform, 2.55 ft above lsd. Highest water level 11.47 below lsd, Mar. 7, 1964; lowest 31.27 below lsd, Feb. 10, 1966. Records available: 1960-67. Water level affected by stage of Mohawk River and pumping from city well field.

Highest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 24.57 | 27.86 | 29.45 | 16.20 | 21.19 | 24.52 | 24.57 | 21.40 | 21.50 | 21.12 | 21.46 | 21.11 |
| 10 | 25.96 | 28.08 | 29.63 | 19.30 | 21.30 | 22.65 | 23.78 | 21.84 | 22.07 | 21.50 | 20.94 | 20.73 |
| 15 | 26.46 | 28.37 | 30.44 | 21.63 | 20.57 | 21.48 | 23.55 | 22.01 | 21.95 | 21.77 | 21.32 | 20.74 |
| 20 | 26.66 | 29.03 | 30.38 | 21.31 | 20.85 | 22.68 | 24.05 | 21.37 | 21.49 | 22.51 | 21.40 | 22.49 |
| 25 | 27.28 | 28.98 | 29.79 | 20.43 | e21.2 | 24.03 | 23.98 | 21.03 | 21.37 | 21.97 | 20.78 | 23.04 |
| Eom | 27.62 | h29.30 | 17.84 | 21.44 | 21.92 | 25.27 | 23.02 | 21.46 | 20.93 | 21.74 | 20.88 | 23.95 |

1964

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 24.0 | 20.5 | 21.8 | 21.0 | 20.7 | 22.0 | .... | 21.6 | 20.8 | 20.9 | 21.3 | 20.7 |
| 10 | 24.4 | 20.4 | 15.7 | 19.1 | 21.5 | 21.9 | 21.9 | 21.0 | 21.3 | 21.9 | 21.1 | .... |
| 15 | 24.6 | 22.3 | 18.4 | 18.7 | 20.0 | 21.9 | 20.5 | 20.9 | 21.5 | 21.8 | 21.4 | 21.4 |
| 20 | 24.9 | 22.9 | 19.5 | 19.1 | 19.7 | 22.8 | 22.0 | 21.6 | 21.5 | 21.5 | 22.1 | 22.5 |
| 25 | 24.3 | 23.2 | 19.6 | 19.5 | 21.4 | 23.1 | 21.2 | 21.0 | 22.9 | 21.4 | 20.9 | 23.3 |
| Eom | 18.8 | 23.5 | 19.0 | 19.6 | 21.5 | 23.3 | 22.0 | 21.3 | 21.0 | 22.0 | 20.3 | 23.8 |

1965

| | | | | | | | | | | | | |
|-----|-------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 24.6 | 26.8 | 22.9 | 25.1 | 22.6 | 22.2 | 21.7 | .... | .... | .... | .... | .... |
| 10 | 25.1 | 25.7 | 20.7 | .... | 22.6 | 22.6 | 22.2 | 21.5 | .... | .... | 20.8 | 21.2 |
| 15 | e23.8 | 21.4 | 22.7 | 21.3 | 23.7 | 21.5 | 23.1 | 21.6 | 20.8 | .... | 20.5 | 22.1 |
| 20 | 24.4 | 22.2 | 24.0 | 20.3 | 23.9 | 21.8 | 21.3 | 21.7 | 20.8 | 20.2 | 20.1 | 22.5 |
| 25 | 24.7 | 23.3 | 25.1 | 20.6 | 24.0 | 23.1 | 22.8 | 21.7 | e21.4 | 20.1 | 20.2 | 23.5 |
| Eom | .... | 23.0 | 24.9 | 20.7 | 22.4 | 24.7 | .... | .... | 20.9 | .... | 20.0 | 23.4 |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| 5 | 23.9 | 30.2 | 21.0 | 23.3 | 20.6 | .... | .... | 23.5 | 21.0 | 20.7 | 21.5 | e21.4 |
| 10 | 24.2 | 31.0 | 21.1 | 23.9 | 20.2 | 22.4 | .... | 23.9 | 21.3 | e20.7 | 21.0 | 21.6 |
| 15 | 26.6 | 22.4 | 22.4 | 24.4 | 19.9 | 22.1 | 25.7 | 21.3 | 21.2 | 21.4 | 20.9 | 22.0 |
| 20 | 28.1 | 20.6 | 21.8 | 22.5 | 20.2 | 21.5 | 23.1 | 22.5 | 21.2 | 21.0 | e20.8 | 23.1 |
| 25 | 28.7 | 21.5 | 20.0 | 20.7 | 20.8 | 24.3 | 23.4 | 20.6 | 20.6 | 21.0 | 20.6 | 24.5 |
| Eom | 29.2 | 21.9 | 21.8 | 20.4 | .... | 25.8 | 22.4 | 22.1 | 21.3 | 21.0 | 20.6 | e24.6 |

1967

| | | | | | | | | | | | | |
|-----|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| 5 | 24.89 | 24.31 | 27.62 | 21.81 | 21.27 | 25.40 | 21.90 | 21.76 | 20.85 | 21.81 | 19.79 | 21.21 |
| 10 | 25.46 | 25.52 | .... | 21.64 | 20.82 | 25.66 | 22.69 | 22.15 | 21.54 | 21.57 | 19.88 | 21.24 |
| 15 | 25.80 | e26.26 | 27.45 | 22.53 | 19.91 | 24.90 | 23.01 | 22.17 | 21.53 | 20.83 | 20.32 | 20.28 |
| 20 | .... | 26.72 | 26.90 | 21.38 | 20.56 | 23.28 | 23.24 | 22.71 | 22.27 | 21.11 | 20.36 | 21.55 |
| 25 | 25.38 | 27.11 | e27.73 | .... | 20.85 | 22.55 | 22.71 | 22.00 | 20.99 | 20.67 | 20.15 | .... |
| Eom | 23.12 | 27.20 | 24.42 | .... | 21.45 | 23.44 | 23.03 | 21.21 | .... | e20.40 | 20.54 | .... |

e Estimated.

h Tape measurement.

Washington County

431026N0731941.1. Local number W 264. Village of Salem. North Main St., Salem. 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 11.70 below lsd, Oct. 12, 1964. Records available: 1946-67. Water level affected by floods of nearby stream.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 7, 1963 | 10.31 | Feb. 11, 1963 | 10.41 | Mar. 18, 1963 | 10.19 | Apr. 22, 1963 | 8.42 |
| 14 | 10.33 | 18 | 10.43 | 25 | 9.73 | 29 | 9.38 |
| 21 | 10.38 | 25 | 10.45 | Apr. 1 | 7.08 | May 6 | 9.41 |
| 28 | 10.39 | Mar. 4 | 10.43 | 8 | 7.89 | 13 | 9.45 |
| Feb. 4 | 10.38 | 11 | 10.28 | 15 | 8.79 | 20 | 9.49 |

431026N0731941.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|----------------|-------------|--------------|-------------|
| May 27, 1963 | 9.70 | July 27, 1964 | 10.84 | Sept. 22, 1965 | 10.69 | Nov. 7, 1966 | 9.69 |
| June 3 | 9.9 | Aug. 3 | 10.9 | 27 | 10.58 | 14 | 9.60 |
| 10 | 10.04 | 10 | 10.9 | Oct. 4 | 10.52 | 21 | 9.68 |
| 17 | 10.08 | 17 | 11.00 | 11 | 10.47 | 28 | 9.92 |
| 24 | 10.20 | 24 | 10.80 | 18 | 10.39 | Dec. 5 | 9.96 |
| July 1 | 10.24 | 31 | 10.9 | 25 | 10.33 | 13 | 9.86 |
| 8 | 10.49 | Sept. 7 | 10.9 | Nov. 1 | 10.32 | 19 | 9.79 |
| 15 | 10.56 | 14 | 11.00 | 8 | 10.35 | 27 | 9.91 |
| 22 | 10.61 | 21 | 11.09 | 15 | 10.33 | Jan. 3, 1967 | 9.90 |
| 29 | 10.70 | 28 | 11.30 | 22 | 10.00 | 9 | 10.05 |
| Aug. 5 | 10.62 | Oct. 5 | 11.48 | 23 | 9.78 | 16 | 10.08 |
| 12 | 10.66 | 12 | 11.70 | 29 | 9.60 | 23 | 10.10 |
| 19 | 10.65 | 19 | 11.49 | Dec. 6 | 9.42 | 30 | 10.13 |
| 26 | 10.64 | 26 | 11.07 | 13 | 9.53 | Feb. 6 | 10.15 |
| Sept. 2 | 10.64 | Nov. 2 | 11.07 | 20 | 9.63 | 13 | 9.67 |
| 9 | 10.65 | 9 | 11.09 | 27 | 9.71 | 20 | 9.71 |
| 16 | 10.67 | 16 | 11.08 | Jan. 3, 1966 | 9.73 | 28 | 9.69 |
| 23 | 10.69 | 23 | 11.05 | 10 | 9.78 | Mar. 7 | 9.67 |
| 30 | 10.70 | 30 | 11.07 | 17 | 9.9 | 13 | 10.00 |
| Oct. 7 | 10.74 | Dec. 7 | 10.9 | 24 | 10.06 | 20 | 9.78 |
| 14 | 10.79 | 14 | 10.9 | 31 | 10.14 | 27 | 9.66 |
| 16 | 10.79 | 21 | 10.78 | Feb. 7 | 10.28 | Apr. 3 | 8.07 |
| 21 | 10.81 | 28 | 10.59 | 14 | 9.54 | 10 | 7.90 |
| 28 | 10.61 | Jan. 4, 1965 | 10.88 | 21 | 9.42 | 17 | 8.33 |
| Nov. 4 | 10.61 | 11 | 10.73 | 28 | 9.67 | 24 | 8.05 |
| 11 | 10.63 | 18 | 10.57 | Mar. 7 | 8.63 | May 1 | 8.63 |
| 18 | 10.39 | 25 | 10.42 | 14 | 8.9 | 8 | 9.90 |
| 25 | 10.31 | Feb. 1 | 10.38 | 21 | 9.03 | 15 | 9.00 |
| Dec. 2 | 10.36 | 8 | 9.64 | 28 | 8.60 | 22 | 8.92 |
| 9 | 10.34 | 15 | 9.63 | Apr. 4 | 8.9 | 29 | 9.15 |
| 16 | 10.31 | 22 | 9.63 | 11 | 9.22 | June 5 | 9.43 |
| 23 | 10.31 | Mar. 1 | 9.79 | 18 | 9.39 | 12 | 9.52 |
| 30 | 10.30 | 8 | 9.84 | 25 | 9.58 | 19 | 9.74 |
| Jan. 6, 1964 | 10.47 | 15 | 10.15 | May 2 | 9.73 | 26 | 9.42 |
| 13 | 10.45 | 22 | 10.19 | 9 | 9.77 | July 5 | 9.56 |
| 20 | 10.48 | 29 | 10.28 | 16 | 9.57 | 10 | 9.79 |
| Feb. 3 | 8.37 | Apr. 5 | 10.24 | 23 | 9.53 | 17 | 10.02 |
| 10 | 9.79 | 12 | 10.09 | 31 | 9.73 | 24 | 10.00 |
| 17 | 9.28 | 19 | 9.69 | June 6 | 9.98 | 31 | 10.03 |
| 24 | 10.05 | 26 | 9.40 | 13 | 10.11 | Aug. 7 | 10.01 |
| Mar. 2 | 10.36 | May 3 | 9.79 | 20 | 10.12 | 15 | 9.04 |
| 9 | 9.48 | 10 | 10.37 | 27 | 10.23 | 21 | 9.12 |
| 16 | 9.59 | 17 | 10.24 | July 5 | 10.30 | 28 | 10.11 |
| 23 | 9.65 | 24 | 10.19 | 11 | 10.45 | Sept. 5 | 10.33 |
| 30 | 8.35 | 31 | 10.16 | 18 | 10.49 | 11 | 10.29 |
| Apr. 6 | 8.59 | June 7 | 10.28 | 25 | 10.57 | 18 | 10.47 |
| 13 | 8.73 | 14 | 10.34 | Aug. 1 | 10.77 | 25 | 10.49 |
| 20 | 8.86 | 21 | 10.44 | 8 | 10.23 | Oct. 2 | 10.55 |
| 27 | 9.0 | 28 | 10.37 | 15 | 10.35 | 9 | 10.56 |
| May 4 | 9.0 | July 5 | 10.58 | 22 | 10.32 | 16 | 10.48 |
| 11 | 9.38 | 12 | 10.69 | 29 | 9.75 | 23 | 10.40 |
| 18 | 10.03 | 19 | 10.72 | Sept. 6 | 9.38 | 30 | 10.34 |
| 25 | 10.05 | 26 | 10.79 | 12 | 9.54 | Nov. 6 | 10.30 |
| June 1 | 10.09 | Aug. 2 | 10.79 | 19 | 9.80 | 13 | 10.26 |
| 8 | 10.24 | 9 | 10.77 | 26 | 9.56 | 20 | 10.26 |
| 15 | 10.47 | 16 | 10.9 | Oct. 3 | 9.76 | 27 | 10.02 |
| 22 | 10.54 | 23 | 10.9 | 10 | 9.82 | Dec. 4 | 9.78 |
| 29 | 10.59 | 30 | 11.02 | 17 | 9.97 | 11 | 9.59 |
| July 6 | 10.67 | Sept. 7 | 10.79 | 24 | 9.56 | 18 | 8.55 |
| 13 | 10.74 | 13 | 10.72 | 31 | 9.66 | 26 | 9.05 |
| 20 | 10.76 | 20 | 10.75 | | | | |

Wayne County

430816N0771118.1. Local number Wn 29. Village of Marion. 55 Mill St., Marion. Drilled unused artesian well in Lockport Dolomite of Middle Silurian age, diam 8 in, depth 106 ft, cased to 25. Lsd about 445 ft (previously reported 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, 1964, 1966. No measurement made in 1963 or 1965. Measurement discontinued. Aug. 14, 1964, 20.05; Mar. 23, 1966, 17.41.

Westchester County

410152N0734604.1. Local number We 4. Westchester County Jail. Martine Ave. and Court St., White Plains. Drilled unused artesian well in Inwood Limestone of Precambrian age, diam 6 in, depth 203 ft (previously reported 206 ft). Lsd 220.8 ft (previously reported 215 ft) above msl. MP top of casing, at lsd. Highest water level 22.94 below lsd, May 7, 1967; lowest 32.4 below lsd, Nov. 26, 1957. Records available: 1953-67. Water level affected by nearby pumping.

410152N0734604.1--Continued.

Weekly highest water level from recorder graph

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 7, 1963 | 24.8 | Apr. 20, 1964 | 24.1 | June 21, 1965 | 24.9 | Jan. 1, 1967 | 24.52 |
| 14 | 24.9 | 27 | 24.0 | 28 | 25.1 | 9 | 24.49 |
| 21 | 24.9 | May 4 | 23.9 | July 5 | 25.2 | 15 | 24.47 |
| 28 | 24.9 | 11 | 24.0 | 12 | 25.3 | 22 | 24.41 |
| Feb. 4 | e25.0 | 18 | e23.9 | 19 | 25.2 | 29 | 24.37 |
| 11 | 24.8 | 25 | 24.0 | 26 | 25.1 | Feb. 5 | 24.31 |
| 18 | 24.8 | June 1 | 24.1 | Aug. 2 | 25.0 | 13 | 24.50 |
| 25 | 24.6 | 8 | 24.1 | 9 | 25.1 | 20 | 24.41 |
| Mar. 4 | 24.7 | 15 | 24.2 | Sept. 7 | 25.5 | 27 | 24.29 |
| 11 | 24.5 | July 27 | 25.1 | 13 | 25.6 | Mar. 6 | 24.23 |
| 18 | 24.3 | Aug. 3 | 25.2 | 20 | 25.7 | 13 | 23.78 |
| 25 | 24.3 | 10 | 25.3 | 27 | 25.7 | 20 | 23.59 |
| Apr. 1 | 24.4 | 17 | 25.5 | Oct. 4 | 25.6 | 27 | 23.47 |
| 8 | e24.3 | Sept. 14 | 26.2 | 25 | 25.5 | Apr. 3 | 23.41 |
| May 6 | 24.5 | 21 | 26.3 | 31 | 25.5 | May 7 | 22.94 |
| 13 | 24.5 | 28 | 26.6 | Nov. 8 | 25.6 | 15 | 23.00 |
| 20 | 24.5 | Oct. 5 | 26.0 | 15 | 25.7 | 29 | e23.06 |
| 27 | 24.5 | Nov. 9 | 26.2 | 22 | e25.6 | June 5 | 23.16 |
| June 17 | 24.9 | 16 | 26.2 | Dec. 6 | e26.2 | 12 | 23.26 |
| 24 | 25.2 | 23 | 26.3 | July 11, 1966 | 25.4 | 19 | 23.48 |
| July 1 | 25.3 | 30 | 26.2 | 18 | 25.5 | 25 | 23.37 |
| 8 | 25.3 | Dec. 7 | 26.2 | 25 | 25.6 | July 3 | 23.36 |
| 15 | e25.3 | 14 | 26.1 | Aug. 1 | 25.7 | 10 | 23.30 |
| 22 | 25.3 | 21 | 26.2 | 8 | 25.6 | 16 | 23.43 |
| 29 | 25.5 | 27 | 26.1 | 15 | 25.7 | 24 | 23.42 |
| Aug. 5 | 25.5 | Jan. 4, 1965 | 26.0 | 22 | 25.8 | 31 | 23.46 |
| 12 | 25.8 | 11 | 26.0 | 29 | 26.2 | Aug. 7 | 23.30 |
| 19 | 25.9 | Feb. 8 | 25.7 | Sept. 5 | 26.2 | 14 | 23.33 |
| 26 | 25.9 | 15 | 25.5 | 12 | 26.3 | 21 | 23.38 |
| Sept. 3 | 25.9 | 22 | 25.3 | 19 | 26.4 | 28 | 23.49 |
| 9 | 26.1 | Mar. 1 | 25.2 | 26 | 25.9 | Sept. 3 | 23.30 |
| 16 | e26.1 | 8 | 25.1 | Oct. 3 | e25.7 | 10 | 23.46 |
| Oct. 14 | 26.0 | 15 | 24.9 | 10 | 25.6 | 18 | 23.49 |
| 21 | 26.4 | 21 | 24.9 | 16 | 25.5 | 24 | 23.62 |
| 28 | 26.4 | 29 | 24.8 | 23 | 25.3 | Oct. 2 | 23.67 |
| Nov. 4 | 26.2 | Apr. 4 | 24.8 | 31 | 25.2 | 9 | 23.72 |
| Dec. 23 | 25.3 | 12 | 24.7 | Nov. 7 | e25.1 | 16 | 23.79 |
| 30 | 25.3 | 19 | 24.7 | 14 | e24.9 | 22 | 23.84 |
| Jan. 6, 1964 | 25.2 | May 10 | 24.5 | 21 | e25.0 | 29 | 23.79 |
| 13 | 25.0 | 17 | 24.7 | 28 | e24.8 | Nov. 5 | 23.76 |
| 20 | 24.9 | 24 | 24.8 | Dec. 5 | 24.9 | 13 | 23.71 |
| 27 | 24.7 | 31 | 24.8 | 12 | 24.8 | 20 | e23.87 |
| Feb. 3 | 24.7 | June 6 | 24.9 | 19 | 25.0 | Dec. 11 | 23.65 |
| 10 | 24.5 | 14 | 25.0 | 26 | 24.8 | 18 | 23.46 |

e Estimated.

Wyoming County

423739N0775955.1. Local number Wo 1. State Dept. of Conservation. Letchworth State Park, near Castile. Dug unused water-table well in glacial till(?) of Pleistocene age, diam 2 in, depth 14 ft, well point (60-gauge screen) 11-14. Lsd about 1,020 ft (previously reported 1,030 ft) above msl. MP top of 2-in by 1-in reducing coupling, 3.33 ft above lsd. Highest water level 0.5 below lsd, Apr. 5, 1947; lowest dry, Dec. 6-27, 1964, Jan. 2, 1965.

Records available: 1942-67.

| | | | | | | | |
|--------------|------|--------------|-------|--------------|-------|--------------|-------|
| Jan. 5, 1963 | 4.67 | July 6, 1963 | 6.74 | Jan. 4, 1964 | 11.74 | July 3, 1964 | 8.81 |
| 12 | 3.42 | 11 | 7.47 | 11 | 10.62 | 10 | 9.43 |
| 19 | 3.62 | 19 | 7.54 | 18 | 8.13 | 18 | 10.07 |
| 26 | 4.56 | 27 | 9.07 | 25 | 4.46 | 25 | 10.39 |
| Feb. 2 | 4.6 | Aug. 3 | 9.61 | Feb. 1 | 4.90 | Aug. 1 | 10.79 |
| 9 | 4.10 | 9 | 9.55 | 8 | 5.07 | 8 | 11.14 |
| 16 | 4.46 | 17 | 9.56 | 15 | 4.97 | 15 | 11.49 |
| 23 | 4.49 | 24 | 10.67 | 22 | 5.99 | 21 | 11.78 |
| Mar. 2 | 4.46 | 31 | 10.95 | 29 | 6.27 | 29 | 12.13 |
| 9 | 3.36 | Sept. 7 | 11.22 | Mar. 7 | 3.66 | 31 | 12.21 |
| 16 | 1.76 | 14 | 11.50 | 14 | 2.76 | Sept. 5 | 12.45 |
| 23 | 2.14 | 21 | 11.70 | 21 | 2.6 | 12 | 12.70 |
| 30 | 2.67 | 28 | 11.90 | 28 | 2.37 | 19 | 12.98 |
| Apr. 6 | 2.16 | Oct. 5 | 12.14 | Apr. 4 | 2.44 | 25 | 13.16 |
| 13 | 3.51 | 12 | 12.32 | 11 | 2.6 | Oct. 3 | 13.45 |
| 20 | 1.36 | 18 | 12.46 | 18 | 3.46 | 10 | 13.54 |
| 27 | 2.61 | 26 | 12.60 | 25 | 2.22 | 17 | 13.91 |
| May 4 | 3.53 | Nov. 2 | 12.76 | May 1 | 3.58 | 23 | 14.01 |
| 11 | 3.56 | 9 | 12.90 | 8 | 4.11 | 30 | 14.06 |
| 17 | 3.50 | 16 | 13.00 | 16 | 4.08 | 31 | 14.05 |
| 25 | 3.87 | 23 | 13.05 | 22 | 4.24 | Nov. 7 | 14.11 |
| June 1 | 4.05 | 30 | 13.06 | 30 | 5.02 | 14 | 14.15 |
| 8 | 4.29 | Dec. 7 | 12.17 | June 6 | 5.16 | 16 | 14.17 |
| 15 | 4.72 | 14 | 12.05 | 13 | 5.62 | 20 | 14.28 |
| 22 | 5.84 | 21 | 11.87 | 19 | 6.15 | 24 | 14.23 |
| 29 | 7.36 | 28 | 11.83 | 27 | 8.02 | 28 | 14.34 |

423739N0775955.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Nov. 30, 1964 | 14.27 | Aug. 21, 1965 | 11.08 | June 4, 1966 | 3.93 | Mar. 19, 1967 | 2.85 |
| Dec. 6 | (f) | 28 | 11.39 | 11 | 4.07 | 26 | 1.77 |
| 12 | (f) | Sept. 4 | 11.79 | 16 | 4.03 | Apr. 2 | 1.77 |
| 20 | (f) | 11 | 12.10 | 24 | 4.34 | 9 | 2.01 |
| 24 | (f) | 17 | 12.38 | July 1 | 5.54 | 15 | 2.68 |
| 27 | (f) | 25 | 12.72 | 8 | 7.13 | 22 | 2.28 |
| Jan. 2, 1965 | (f) | Oct. 2 | 13.00 | 16 | 8.41 | 29 | 3.27 |
| 10 | 12.73 | 9 | 13.19 | 22 | 8.92 | May 6 | 3.04 |
| 10 | 12.80 | 15 | 13.41 | 29 | 9.32 | 13 | 1.77 |
| 16 | 13.46 | 23 | 13.63 | Aug. 6 | 9.95 | 19 | 2.51 |
| 23 | 13.6 | 30 | 13.76 | 12 | 10.06 | 27 | 3.93 |
| 30 | 13.79 | Nov. 6 | 13.85 | 20 | 10.41 | June 3 | 4.79 |
| Feb. 7 | 13.87 | 13 | 13.91 | 27 | 10.67 | 8 | 5.27 |
| 12 | 9.08 | 21 | 13.99 | Sept. 2 | 10.91 | 17 | 6.43 |
| 13 | 8.97 | 27 | 14.03 | 9 | 11.30 | 24 | 6.85 |
| 20 | 9.11 | Dec. 5 | 14.05 | 16 | 11.54 | July 1 | 7.29 |
| 27 | 8.33 | 11 | 14.11 | 23 | 11.74 | 7 | 8.25 |
| Mar. 6 | 8.23 | 19 | 13.27 | 30 | 12.01 | 15 | 8.36 |
| 14 | 5.96 | 26 | 11.32 | Oct. 7 | 12.32 | 22 | 8.62 |
| 20 | 5.60 | Jan. 1, 1966 | 11.12 | 15 | 12.59 | 29 | 9.12 |
| 28 | 5.40 | 8 | 9.36 | 21 | 12.74 | Aug. 4 | 9.55 |
| Apr. 3 | 4.46 | 15 | 8.47 | 28 | 12.92 | 13 | 10.12 |
| 11 | 2.84 | 23 | 8.47 | Nov. 4 | 13.03 | 19 | 10.29 |
| 16 | 2.43 | 29 | 8.67 | 11 | 13.08 | 26 | 10.64 |
| 24 | 2.52 | Feb. 5 | 8.81 | 18 | 12.79 | Sept. 2 | 10.99 |
| May 1 | 3.19 | 12 | 7.70 | 26 | 12.57 | 9 | 11.22 |
| 8 | 3.77 | 19 | 4.36 | Dec. 4 | 10.09 | 15 | 11.51 |
| 15 | 3.86 | 26 | 4.35 | 11 | 6.46 | 23 | 11.75 |
| 22 | 4.24 | Mar. 5 | 2.67 | 18 | 5.30 | 30 | 10.51 |
| 29 | 4.44 | 12 | 3.15 | 24 | 5.50 | Oct. 6 | 8.97 |
| June 3 | 4.83 | 19 | 2.91 | 31 | 5.78 | 13 | 9.41 |
| 11 | 5.01 | 26 | 1.76 | Jan. 8, 1967 | 5.78 | 20 | 7.33 |
| 17 | 5.82 | Apr. 2 | 1.57 | 15 | 5.10 | 26 | 3.92 |
| 25 | 6.90 | 10 | 3.02 | 22 | 4.67 | Nov. 3 | 3.74 |
| July 2 | 8.01 | 17 | 3.47 | 29 | 3.51 | 10 | 3.30 |
| 9 | 8.71 | 23 | 3.82 | Feb. 5 | 3.20 | 18 | 1.80 |
| 17 | 9.34 | 30 | 2.00 | 12 | 3.97 | 26 | 2.40 |
| 24 | 9.98 | May 6 | 2.73 | 19 | 3.17 | Dec. 2 | 3.01 |
| 31 | 10.14 | 13 | 1.54 | 26 | 4.01 | 10 | 2.64 |
| Aug. 8 | 10.47 | 19 | 1.78 | Mar. 5 | 3.56 | 17 | 2.74 |
| 14 | 10.74 | 27 | 3.21 | 12 | 2.22 | 25 | 2.63 |

f Dry.

LONG ISLAND

Kings County

404149N0735712.1. Local number K30. Detecto Scales, Inc. Park and Nostrand Aves., Williamsburg. Drilled unused water-table well in upper glacial aquifer, 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. Highest water level 0.81 above lsd, Sept. 7, 1967; lowest 29.75 below lsd, Nov. 8, 1941. Records available: 1935-67.

| Jan. 3, 1963 | -0.60 | Mar. 30, 1964 | -0.46 | June 24, 1965 | -0.52 | Sept. 30, 1966 | -0.52 |
|---------------|-------|---------------|-------|---------------|-------|----------------|-------|
| 31 | .52 | Apr. 23 | .49 | July 23 | .49 | Oct. 24 | .65 |
| Feb. 28 | .52 | May 28 | .47 | Sept. 2 | .61 | Dec. 1 | .39 |
| Mar. 29 | .38 | July 6 | .39 | Oct. 7 | .54 | 23 | -.43 |
| Apr. 29 | .52 | 27 | .27 | 27 | .85 | Jan. 31, 1967 | +.02 |
| June 3 | .34 | Sept. 2 | .32 | Dec. 2 | .59 | Feb. 24 | .09 |
| July 2 | .45 | Oct. 1 | .59 | 30 | .50 | Mar. 28 | .33 |
| 30 | .49 | 30 | .72 | Jan. 28, 1966 | .36 | May 4 | .31 |
| Sept. 3 | .58 | Nov. 25 | .80 | Mar. 2 | .31 | 31 | .40 |
| 30 | .68 | Dec. 31 | .65 | 30 | .31 | July 6 | .30 |
| Oct. 26 | .88 | Jan. 29, 1965 | .34 | May 2 | .33 | 28 | .31 |
| Dec. 5 | 1.05 | Feb. 24 | .42 | 26 | .33 | Sept. 7 | .81 |
| 31 | 1.08 | Mar. 25 | .42 | June 27 | .30 | 26 | .75 |
| Jan. 28, 1964 | .95 | May 3 | .45 | July 29 | .45 | Oct. 20 | .65 |
| Feb. 28 | .55 | 24 | .43 | Aug. 29 | .52 | Nov. 29 | .49 |

403819N0735811.1. Local number K530. J. Morea. 912 Cortelyou Rd., Flatbush. Drilled observation water-table well in upper glacial aquifer, diam 18 in, depth 145 ft, screened 95-145. Lsd 40.1 ft above msl. MP top of 1½-in nipple, 7.21 ft (previously reported 7.24 ft) below lsd. Highest water level 7.43 above msl, Ju'y 2, 1962; lowest 5.89 below lsd, June 24, 1947. Records available: 1947-67.

403819N0735811.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|----------------|-------------|
| Jan. 3, 1963 | +6.49 | May 28, 1964 | +6.22 | Sept. 2, 1965 | +5.51 | Sept. 30, 1966 | +5.45 |
| 31 | 6.38 | July 6 | 6.06 | Oct. 7 | 5.42 | Nov. 8 | 5.49 |
| Feb. 28 | 6.30 | 27 | 6.10 | 26 | 5.39 | Dec. 23 | 5.28 |
| Mar. 29 | 6.33 | Sept. 2 | 6.04 | Dec. 2 | 5.19 | Jan. 31, 1967 | 5.39 |
| Apr. 26 | 6.37 | Oct. 1 | 5.95 | 30 | 5.24 | Feb. 24 | 5.49 |
| June 3 | 6.17 | Nov. 25 | 5.91 | Jan. 28, 1966 | 5.22 | Mar. 28 | 5.79 |
| Aug. 5 | 6.03 | Dec. 31 | 5.88 | Mar. 2 | 6.17 | May 4 | 6.00 |
| Sept. 3 | 5.95 | Feb. 3, 1965 | 5.82 | Apr. 1 | 5.30 | 31 | 6.16 |
| 30 | 5.97 | 24 | 5.83 | May 2 | 5.26 | July 6 | 6.06 |
| Dec. 31 | 5.85 | Apr. 29 | 5.42 | 26 | 5.36 | 28 | 6.14 |
| Jan. 28, 1964 | 5.95 | June 24 | 5.79 | June 27 | 5.44 | Sept. 7 | 6.40 |
| Feb. 28 | 6.06 | July 29 | 5.64 | July 29 | 5.24 | 26 | 6.41 |
| Mar. 30 | 6.11 | Aug. 16 | 5.59 | Aug. 29 | 5.15 | Nov. 29 | 6.16 |
| Apr. 27 | 6.17 | | | | | | |

Nassau County

404043N0734130.1. Local number N7. Long Island State Park Comm. Corona Ave. and Remsen St., Valley Stream. 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 reducer, 2.16 ft above lsd (since July 26, 1967). (Previously reported MP top of 10-in coupling, 2.00 ft above lsd). Highest water level 12.75 above lsd, Mar. 9, 1941; lowest 5.08 below lsd, July 27, 1966. Records available: 1936-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 2, 1963 | +5.98 | Apr. 28, 1964 | +6.46 | Aug. 27, 1965 | -0.70 | Dec. 28, 1966 | +1.34 |
| Feb. 1 | 5.68 | May 27 | 4.45 | Sept. 27 | -5.50 | Jan. 25, 1967 | 1.67 |
| 26 | 6.27 | June 26 | 2.08 | Oct. 28 | +2.27 | Feb. 27 | 2.37 |
| Mar. 27 | 7.08 | July 24 | +0.06 | Nov. 30 | 3.80 | Mar. 31 | 2.18 |
| May 1 | 6.37 | Aug. 26 | -2.23 | Dec. 29 | 3.66 | Apr. 28 | 1.97 |
| 29 | 5.71 | Sept. 30 | +2.20 | Jan. 27, 1966 | 4.53 | May 12 | 1.97 |
| June 24 | 4.33 | Oct. 29 | 2.68 | Feb. 24 | 4.24 | 22 | 1.58 |
| July 25 | .80 | Nov. 23 | 3.36 | Mar. 29 | 4.85 | 25 | +1.66 |
| Aug. 27 | .63 | Dec. 28 | 4.38 | Apr. 27 | 4.04 | June 28 | -2.28 |
| Sept. 30 | 2.73 | Feb. 1, 1965 | 4.48 | May 26 | 4.45 | July 26 | 3.03 |
| Oct. 29 | 4.17 | 26 | 5.66 | June 27 | +7.71 | Aug. 30 | 1.90 |
| Nov. 26 | 5.04 | Mar. 30 | 6.03 | July 27 | -5.08 | Sept. 26 | 1.66 |
| Jan. 2, 1964 | 6.15 | Apr. 28 | 5.71 | Aug. 31 | 4.14 | Oct. 25 | 2.31 |
| Feb. 10 | 5.88 | May 25 | +3.56 | Sept. 29 | -1.84 | Nov. 29 | -9.2 |
| 25 | 6.15 | July 6 | -1.05 | Oct. 27 | +2.3 | Dec. 27 | +7.2 |
| Mar. 24 | 6.60 | 28 | .47 | Nov. 30 | 1.50 | | |

404048N0734125.1. Local number N9. Long Island State Park Comm. Corona Ave. and Remsen St., Valley Stream. Drilled unused artesian well in sands of Magothy(?) Formation, diam 6 to 4 in, depth 138 ft, screened 98-138. 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 10.13 above msl, Aug. 31, 1966. Records available: 1936-67.

| | | | | | | | |
|--------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 2, 1963 | +18.88 | Apr. 28, 1964 | +17.91 | July 28, 1965 | +13.44 | Oct. 27, 1966 | +12.05 |
| Feb. 1 | 18.65 | May 27 | 16.46 | Aug. 27 | 12.70 | Nov. 30 | 12.04 |
| 26 | 19.16 | June 26 | 15.81 | Sept. 27 | 12.36 | Dec. 30 | 12.51 |
| Mar. 27 | 19.53 | July 24 | 15.29 | Oct. 28 | 12.20 | Jan. 25, 1967 | 11.65 |
| May 1 | 19.08 | Aug. 26 | 14.68 | Nov. 30 | 12.02 | Feb. 27 | 12.00 |
| 29 | 18.13 | Sept. 30 | 15.11 | Dec. 29 | 11.88 | Mar. 31 | 13.20 |
| June 24 | 17.05 | Oct. 29 | 15.09 | Jan. 27, 1966 | 11.79 | Apr. 28 | 13.76 |
| July 25 | 16.23 | Nov. 23 | 14.76 | Feb. 28 | 12.19 | May 25 | 13.93 |
| Aug. 27 | 16.18 | Dec. 28 | 15.52 | Mar. 29 | 12.40 | June 28 | 13.32 |
| Sept. 30 | 16.73 | Feb. 1, 1965 | 14.80 | Apr. 27 | 12.01 | Aug. 2 | 13.21 |
| Oct. 29 | 16.01 | 26 | 15.80 | May 26 | 12.74 | 30 | 13.70 |
| Nov. 26 | 16.88 | Mar. 30 | 15.65 | June 27 | 11.58 | Sept. 26 | 12.54 |
| Jan. 2, 1964 | 17.28 | Apr. 28 | 15.65 | July 27 | 10.28 | Oct. 25 | 12.38 |
| Feb. 10 | 17.63 | May 25 | 14.61 | Aug. 31 | 10.13 | Nov. 29 | 12.09 |
| 25 | 17.63 | July 6 | 13.50 | Sept. 29 | 11.47 | Dec. 29 | 13.17 |
| Mar. 27 | 17.53 | | | | | | |

404029N0732942.1. Local number N180. City of New York. Dept. of Water Supply, Gas and Electricity. Sunrise Highway and Seamans Neck Rd., Seaford. 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 4-in coupling, 14.3 ft above lsd. (Previously reported MP top of recorder shelf, 9.80 ft above lsd). Highest water level 21.08 above msl, June 6, 1952; lowest 12.80 above msl, July 15, 1966. Records available: 1945-67.

| | | | | | | | |
|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 31, 1963 | +17.98 | Apr. 27, 1964 | +17.46 | May 24, 1965 | +14.97 | Jan. 25, 1966 | +15.18 |
| Mar. 5 | 17.92 | Mar. 27 | 18.24 | June 29 | 14.26 | Feb. 14 | 15.08 |
| 28 | 17.90 | May 28 | 15.73 | July 21 | 15.33 | 24 | 15.52 |
| May 1 | 17.33 | June 30 | 14.93 | Aug. 17 | 14.05 | Mar. 14 | 15.65 |
| June 2 | 16.68 | July 24 | 16.35 | 25 | 15.12 | 28 | 15.78 |
| 25 | 15.20 | Aug. 27 | 15.51 | Sept. 16 | 15.21 | Apr. 14 | 15.69 |
| Aug. 1 | 16.00 | Sept. 29 | 16.08 | 28 | 15.05 | 24 | 16.23 |
| 28 | 16.43 | Oct. 28 | 16.50 | Oct. 19 | 15.15 | May 16 | 15.40 |
| Oct. 2 | 16.85 | Nov. 24 | 16.47 | Nov. 2 | 14.68 | 24 | 16.04 |
| Nov. 4 | 16.85 | Dec. 28 | 16.98 | 17 | 15.25 | June 15 | 15.80 |
| Dec. 2 | 17.11 | Jan. 26, 1965 | 17.17 | 29 | 14.98 | 28 | 13.56 |
| 30 | 17.42 | Feb. 25 | 17.70 | Dec. 16 | 15.02 | July 15 | 12.80 |
| Jan. 27, 1964 | 18.30 | Apr. 1 | 16.92 | 27 | 14.69 | 25 | 13.06 |
| Mar. 5 | 18.48 | 27 | 17.50 | Jan. 14, 1966 | 14.89 | Aug. 16 | 15.12 |

404029N0732942.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Aug. 30, 1966 | +14.10 | Nov. 29, 1966 | +15.85 | Mar. 30, 1967 | +17.22 | Aug. 30, 1937 | +16.89 |
| Sept. 14 | 14.54 | Dec. 16 | 15.74 | Apr. 25 | 17.18 | Sept. 25 | 16.49 |
| 28 | 15.91 | 27 | 15.32 | May 24 | 17.46 | Oct. 23 | 16.66 |
| Oct. 14 | 15.87 | Jan. 26, 1967 | 15.98 | June 27 | 16.50 | Nov. 28 | 16.72 |
| 28 | 16.30 | Feb. 28 | 16.60 | July 25 | 16.52 | Dec. 26 | 16.69 |
| Nov. 17 | 16.42 | | | | | | |

404609N0734216.1. Local number N1102. Nassau County Dept. of Public Works. Long Island Expressway and Community Dr. (formerly Valley Rd.), Lake Success. Drilled observation water-table well in deposits of late Pleistocene age, diam 4 in, depth 166 ft, screened 161-166. Lsd 184.0 ft above msl. MP top of 4-in coupling, 0.32 ft below lsd. Highest water level 59.12 above msl, May 25, 1953; lowest 31.28 above msl, Dec. 1, 1967. Records available: 1939-67.

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|---------------|--------|---------------|--------|----------------|--------|----------------|--------|
| Apr. 24, 1963 | +47.02 | July 23, 1964 | +42.17 | Sept. 29, 1965 | +37.34 | Sept. 26, 1936 | +33.05 |
| June 4 | 46.40 | Aug. 24 | 41.29 | Oct. 29 | 37.11 | Oct. 26 | 33.11 |
| 27 | 46.10 | Sept. 30 | 39.94 | Dec. 1 | 37.70 | Dec. 2 | 33.40 |
| July 25 | 45.26 | Oct. 27 | 40.84 | 28 | 37.54 | Jan. 23, 1937 | 33.63 |
| Aug. 27 | 44.79 | Nov. 23 | 40.93 | Jan. 27, 1966 | 37.91 | Apr. 5 | 33.52 |
| Oct. 4 | 44.54 | Jan. 28, 1965 | 41.24 | Mar. 1 | 37.33 | June 28 | 32.40 |
| Nov. 1 | 44.61 | Feb. 26 | 40.94 | 25 | 37.06 | July 26 | 32.01 |
| Jan. 30, 1964 | 44.83 | Mar. 30 | 40.93 | Apr. 26 | 36.80 | Aug. 31 | 31.90 |
| Mar. 2 | 44.92 | Apr. 28 | 40.90 | May 27 | 36.65 | Sept. 27 | 31.43 |
| 24 | 44.91 | May 25 | 40.46 | June 27 | 35.77 | Oct. 27 | 31.55 |
| Apr. 24 | 44.90 | June 28 | 39.53 | July 26 | 34.59 | Dec. 1 | 31.28 |
| May 25 | 43.91 | July 26 | 38.48 | Aug. 26 | 33.24 | 27 | 31.31 |
| July 6 | 42.59 | Aug. 30 | 37.32 | | | | |

404039N0734200.1. Local number N1110. Nassau County Dept. of Public Works. Henry St. near Southern State Parkway, North Valley Stream. 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 7.83 above msl, Aug. 31, 1966. Records available: 1939-67.

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|--------------|--------|---------------|--------|---------------|--------|---------------|-------|
| Jan. 2, 1963 | +15.85 | Apr. 28, 1964 | +15.21 | July 28, 1965 | +10.91 | Oct. 27, 1936 | +9.81 |
| Feb. 1 | 15.70 | May 27 | 13.90 | Aug. 27 | 10.43 | Nov. 30 | 9.89 |
| 26 | 16.03 | June 26 | 13.35 | Sept. 27 | 10.15 | Dec. 28 | 9.56 |
| Mar. 27 | 16.42 | July 24 | 13.00 | Oct. 28 | 10.03 | Jan. 25, 1937 | 9.63 |
| May 1 | 15.75 | Aug. 26 | 12.36 | Nov. 30 | 9.79 | Feb. 27 | 9.96 |
| 29 | 15.06 | Sept. 30 | 12.39 | Dec. 29 | 9.67 | Mar. 31 | 11.01 |
| June 24 | 14.36 | Oct. 26 | 12.53 | Jan. 27, 1966 | 9.64 | Apr. 28 | 11.35 |
| July 25 | 13.73 | Nov. 23 | 12.18 | Mar. 1 | 10.07 | May 25 | 11.71 |
| Aug. 27 | 13.62 | Dec. 28 | 12.72 | 30 | 10.38 | June 28 | 10.92 |
| Sept. 30 | 13.85 | Jan. 25, 1965 | 12.65 | Apr. 27 | 9.76 | July 26 | 10.67 |
| Oct. 29 | 13.42 | Feb. 26 | 13.20 | May 27 | 10.41 | Aug. 30 | 10.98 |
| Nov. 26 | 14.15 | Mar. 30 | 13.15 | June 27 | 9.27 | Sept. 27 | 10.31 |
| Jan. 2, 1964 | 14.21 | Apr. 28 | 13.15 | July 27 | 7.98 | Oct. 25 | 10.10 |
| 30 | 14.64 | May 25 | 12.10 | Aug. 31 | 7.83 | Nov. 29 | 9.99 |
| Feb. 25 | 14.82 | July 6 | 11.17 | Sept. 29 | 9.45 | Dec. 27 | 10.45 |
| Mar. 24 | 14.80 | | | | | | |

404820N0733121.1. Local number N1212. Nassau County Dept. of Public Works. Jericho Turnpike, Locust Grove. 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 73.00 above msl, Apr. 25, 1967. Records available: 1943-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 31, 1963 | +87.29 | June 25, 1964 | +82.60 | Aug. 25, 1965 | +78.38 | Oct. 24, 1936 | +73.41 |
| June 3 | 86.76 | July 23 | 82.16 | Sept. 28 | 77.74 | Dec. 1 | 73.16 |
| 25 | 86.19 | Aug. 25 | 81.61 | Oct. 27 | 77.78 | 27 | 73.04 |
| July 30 | 85.36 | Sept. 24 | 81.16 | Dec. 1 | 77.68 | Jan. 24, 1937 | 73.10 |
| Aug. 28 | 84.97 | Oct. 28 | 81.62 | 27 | 77.64 | Feb. 24 | 73.13 |
| Oct. 1 | 84.52 | Nov. 24 | 81.62 | Jan. 25, 1966 | 77.37 | Mar. 29 | 73.02 |
| 31 | 84.31 | Dec. 29 | 81.62 | Feb. 23 | 77.27 | Apr. 25 | 73.00 |
| Dec. 4 | 84.11 | Jan. 22, 1965 | 81.62 | Mar. 28 | 77.34 | May 24 | 73.29 |
| 31 | 83.81 | Mar. 2 | 81.59 | Apr. 25 | 77.06 | June 27 | 73.02 |
| Jan. 27, 1964 | 83.61 | 31 | 81.48 | May 26 | 76.84 | July 24 | 73.22 |
| Mar. 3 | 83.68 | Apr. 27 | 81.40 | June 24 | 76.10 | Aug. 29 | 73.60 |
| Apr. 3 | 83.88 | May 24 | 80.62 | July 25 | 75.04 | Sept. 29 | 73.81 |
| 27 | 83.66 | June 24 | 79.79 | Aug. 25 | 74.18 | Oct. 24 | 73.82 |
| May 26 | 83.07 | July 23 | 79.16 | Sept. 23 | 73.64 | Nov. 28 | 73.92 |

404704N0732642.1. Local number N1246. Nassau County Dept. of Public Works. Round Swamp and Old Country Rds., Plainville. Drilled observation water-table well in Magothy aquifer, diam 4 in, depth 125 ft, screen assumed at bottom. Lsd 184.9 ft above msl. MP top of 4-in coupling, 0.08 ft above lsd (since Aug. 29, 1961). Highest water level 83.55 above msl, Nov. 2, Dec. 26, 1961; lowest 68.29 above msl, Apr. 25, 1967. Records available: 1940-67.

| | | | | | | | |
|--------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Mar. 7, 1963 | +81.65 | Nov. 4, 1963 | +79.51 | July 23, 1964 | +77.62 | Mar. 31, 1935 | +75.68 |
| 26 | 82.05 | Dec. 31 | 78.69 | Aug. 25 | 77.50 | Apr. 27 | 75.44 |
| Apr. 29 | 81.89 | Jan. 27, 1964 | 78.41 | Sept. 24 | 77.10 | May 24 | 75.20 |
| June 3 | 81.64 | Mar. 2 | 78.24 | Oct. 28 | 77.05 | June 24 | 74.95 |
| 25 | 81.38 | 26 | 78.38 | Nov. 30 | 76.61 | July 23 | 74.74 |
| July 30 | 80.83 | Apr. 29 | 77.88 | Dec. 29 | 76.31 | Aug. 25 | 74.23 |
| Aug. 28 | 80.40 | May 28 | 77.74 | Jan. 26, 1965 | 76.15 | Sept. 28 | 74.00 |
| Oct. 1 | 79.91 | June 30 | 77.73 | Mar. 2 | 75.83 | Oct. 27 | 73.37 |

404704N0732642.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Dec. 27, 1965 | +72.83 | July 25, 1966 | +70.54 | Jan. 24, 1967 | +68.83 | July 24, 1967 | +68.49 |
| Jan. 25, 1966 | 72.36 | Aug. 25 | 70.00 | Feb. 23 | 68.85 | Sept. 5 | 68.73 |
| Feb. 23 | 72.09 | Sept. 23 | 69.55 | Mar. 29 | 68.38 | 25 | 69.14 |
| Mar. 28 | 71.99 | Oct. 25 | 69.40 | Apr. 25 | 68.29 | Oct. 24 | 69.12 |
| Apr. 26 | 71.61 | Nov. 23 | 69.30 | May 24 | 68.41 | Nov. 28 | 69.40 |
| May 24 | 71.48 | Dec. 27 | 69.31 | June 27 | 68.43 | Dec. 26 | 69.42 |
| June 24 | 71.08 | | | | | | |

404317N0732909.1. Local number N1259. U. S. Geol. Survey. Hicksville-Massapequa Rd., Plainedge. Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 41 ft, screened 38-41. Lsd 78.4 ft above msl. MP top of casing, 0.32 ft below lsd (since July 30, 1963). Highest water level 56.99 above msl, June 23, 1952; lowest 45.61 above msl, Aug. 25, 1966. Records available: 1909-10, 1912-16, 1930-35, 1937-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 31, 1963 | +52.13 | Apr. 29, 1964 | +53.04 | July 23, 1965 | +48.64 | Oct. 24, 1966 | +46.16 |
| Feb. 26 | 52.55 | May 28 | 52.54 | Aug. 25 | 48.04 | Nov. 23 | 46.21 |
| Mar. 26 | 53.17 | June 30 | 51.53 | Sept. 28 | 47.61 | Dec. 23 | 45.93 |
| Apr. 25 | 52.79 | July 24 | 51.02 | Oct. 27 | 47.33 | Jan. 24, 1967 | 45.93 |
| May 29 | 52.11 | Aug. 25 | 50.25 | Nov. 29 | 46.96 | Feb. 23 | 45.93 |
| June 25 | 51.71 | Sept. 24 | 49.66 | Dec. 27 | 46.70 | Mar. 27 | 47.34 |
| July 30 | 51.02 | Oct. 28 | 49.48 | Jan. 25, 1966 | 46.47 | Apr. 24 | 47.86 |
| Aug. 28 | 50.88 | Nov. 24 | 49.23 | Feb. 24 | 46.74 | May 24 | 48.56 |
| Sept. 30 | 50.68 | Dec. 29 | 49.45 | Mar. 28 | 46.95 | June 26 | 48.38 |
| Oct. 29 | 50.34 | Jan. 26, 1965 | 49.36 | Apr. 25 | 46.59 | July 24 | 48.27 |
| Nov. 4 | 50.34 | Feb. 25 | 50.15 | May 24 | 46.89 | Aug. 30 | 49.06 |
| 27 | 50.75 | Mar. 31 | 50.25 | June 24 | 46.71 | Sept. 25 | 49.11 |
| Dec. 31 | 50.90 | Apr. 27 | 50.31 | July 25 | 45.98 | Oct. 23 | 48.78 |
| Jan. 27, 1964 | 51.57 | May 24 | 49.86 | Aug. 25 | 45.61 | Nov. 22 | 48.34 |
| Feb. 28 | 52.16 | June 24 | 49.22 | Sept. 23 | 45.68 | Dec. 22 | 48.61 |
| Mar. 26 | 52.34 | | | | | | |

404554N0733515.1. Local number N1616. Nassau County Dept. of Public Works. Post Ave. and Argyle Rd., Westbury. Driven observation water-table well in deposits of late Pleistocene age, diam 2 in, depth 68 ft, screened 65-68. Lsd 122.4 ft above msl. MP top of casing, 0.32 ft below lsd. Highest water level 85.42 above msl, June 1, 1939; lowest 68.28 above msl, Feb. 28, 1967. Records available: 1913-15, 1932-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 31, 1963 | +79.67 | Apr. 27, 1964 | +77.44 | July 23, 1965 | +73.82 | Oct. 24, 1966 | +68.94 |
| Mar. 5 | 79.80 | May 26 | 77.67 | Aug. 30 | 73.20 | Dec. 1 | 68.80 |
| 26 | 79.95 | June 25 | 77.45 | Oct. 1 | 72.82 | 29 | 68.66 |
| Apr. 25 | 79.77 | July 31 | 77.02 | 27 | 72.52 | Jan. 24, 1967 | 68.51 |
| June 3 | 79.47 | Aug. 25 | 76.72 | Dec. 1 | 72.18 | Feb. 28 | 68.28 |
| 25 | 79.25 | Sept. 24 | 76.30 | 27 | 71.88 | Mar. 29 | 68.64 |
| July 30 | 78.70 | Oct. 27 | 75.91 | Jan. 25, 1966 | 71.52 | Apr. 25 | 69.14 |
| Aug. 26 | 78.38 | Nov. 24 | 75.55 | Feb. 23 | 71.27 | May 24 | 69.61 |
| Oct. 1 | 77.96 | Dec. 23 | 75.28 | Mar. 25 | 71.01 | June 27 | 69.41 |
| 31 | 77.57 | Jan. 22, 1965 | 75.00 | Apr. 28 | 70.72 | July 25 | 69.38 |
| Dec. 2 | 77.40 | Feb. 24 | 74.81 | May 24 | 70.56 | Aug. 29 | 69.56 |
| 30 | 77.16 | Apr. 1 | 74.72 | June 24 | 70.19 | Sept. 26 | 69.48 |
| Jan. 24, 1964 | 77.02 | 22 | 74.67 | July 22 | 69.68 | Oct. 23 | 69.35 |
| Mar. 4 | 77.10 | May 25 | 74.47 | Aug. 25 | 69.20 | Nov. 28 | 69.13 |
| Apr. 3 | 77.23 | June 24 | 74.23 | Sept. 23 | 69.02 | Dec. 26 | 69.11 |

405101N0733434.1. Local number N2528. Nassau County Dept. of Public Works. Chicken Valley and Wolver Hollow Rds., Upper Brookville. 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 6-in nipple, 0.77 ft above lsd. Highest water level 79.92 above msl, July 25, 1957; lowest 59.12 above msl, Feb. 24, 1967. Records available: 1947-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 31, 1963 | +69.13 | May 26, 1964 | +66.97 | Aug. 30, 1965 | +63.81 | Oct. 25, 1966 | +59.98 |
| Mar. 7 | 69.95 | June 25 | 66.77 | Sept. 29 | 63.49 | Dec. 1 | 59.75 |
| 26 | 70.41 | July 23 | 66.56 | Oct. 29 | 63.22 | 29 | 59.48 |
| Apr. 25 | 69.67 | Aug. 25 | 66.32 | Dec. 1 | 62.94 | Jan. 24, 1967 | 59.34 |
| June 3 | 68.99 | Sept. 24 | 66.07 | 27 | 62.74 | Feb. 24 | 59.12 |
| 24 | 68.74 | Nov. 3 | 65.78 | Jan. 26, 1966 | 62.50 | Mar. 27 | 59.63 |
| July 30 | 68.29 | 24 | 65.67 | Feb. 28 | 62.33 | Apr. 26 | 59.78 |
| Aug. 26 | 67.97 | Dec. 29 | 65.39 | Mar. 28 | 62.15 | May 26 | 60.03 |
| Oct. 1 | 67.58 | Jan. 22, 1965 | 65.21 | Apr. 25 | 61.94 | June 27 | 60.02 |
| 31 | 67.29 | Mar. 2 | 65.22 | May 26 | 61.69 | July 24 | 60.01 |
| Dec. 4 | 67.03 | 31 | 65.00 | June 17 | 61.52 | Aug. 29 | 59.95 |
| Jan. 3, 1964 | 66.83 | Apr. 22 | 64.90 | 30 | 61.37 | Sept. 29 | 59.92 |
| 31 | 66.81 | May 28 | 64.70 | July 25 | 61.05 | Oct. 24 | 59.77 |
| Mar. 2 | 66.79 | June 28 | 64.49 | Aug. 25 | 60.62 | Nov. 28 | 59.55 |
| 26 | 66.65 | July 27 | 64.17 | Sept. 27 | 60.22 | Dec. 28 | 59.53 |
| Apr. 27 | 66.95 | | | | | | |

404619N0732706.2. Local number N3355. U. S. Geol. Survey. Formerly Nassau County Dept. of Public Works. Round Swamp Rd., Plainview. 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, 0.76 ft below lsd. Highest water level 36.52 above msl, Apr. 9, 1957; lowest 25.46 above msl, Aug. 25, 1966. Records available: 1951-67.

404619N0732706. 2--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 31, 1963 | +33.91 | Apr. 29, 1964 | +32.52 | July 23, 1965 | +28.54 | Oct. 25, 1966 | +26.30 |
| Mar. 7 | 34.09 | May 28 | 32.11 | Aug. 25 | 27.98 | Nov. 23 | 26.71 |
| 26 | 34.07 | June 30 | 30.82 | Sept. 28 | 27.84 | Dec. 27 | 27.17 |
| Apr. 29 | 33.74 | July 23 | 30.15 | Oct. 27 | 28.64 | Jan. 24, 1967 | 27.28 |
| June 3 | 33.32 | Aug. 25 | 29.66 | Nov. 29 | 29.24 | Feb. 23 | 27.78 |
| 25 | 33.06 | Sept. 24 | 29.42 | Dec. 27 | 29.28 | Mar. 29 | 27.61 |
| July 30 | 31.64 | Oct. 28 | 30.19 | Jan. 25, 1966 | 29.49 | Apr. 25 | 27.37 |
| Aug. 28 | 31.26 | Dec. 1 | 30.95 | Feb. 23 | 29.39 | May 24 | 27.04 |
| Oct. 1 | 31.45 | 29 | 31.08 | Mar. 28 | 29.60 | June 27 | 26.05 |
| Nov. 4 | 31.79 | Jan. 26, 1965 | 31.54 | Apr. 26 | 29.29 | July 24 | 25.86 |
| Dec. 4 | 32.48 | Mar. 2 | 31.35 | May 24 | 29.13 | Aug. 30 | 26.17 |
| 31 | 32.12 | 31 | 31.31 | June 24 | 28.51 | Sept. 25 | 25.94 |
| Jan. 27, 1964 | 32.62 | Apr. 27 | 31.46 | July 25 | 26.02 | Oct. 24 | 26.14 |
| Mar. 2 | 32.55 | May 24 | 30.65 | Aug. 25 | 25.46 | Nov. 28 | 26.42 |
| 26 | 32.90 | June 24 | 29.72 | Sept. 23 | 25.68 | Dec. 26 | 26.82 |

Queens County

404451N0734750.1. Local number Q283. City of New York, Dept. of Water Supply, Gas and Electricity. Underhill Ave. and 171st St., Flushing. 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 13.13 below msl, July 28, 1966. Records available: 1946-67.

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|--------------|-------|---------------|-------|---------------|-------|---------------|--------|
| Jan. 3, 1963 | -5.92 | Mar. 30, 1964 | -1.14 | June 18, 1965 | -7.52 | Aug. 29, 1966 | -11.63 |
| 29 | 6.38 | May 1 | 4.03 | July 6 | 9.50 | Sept. 27 | 10.03 |
| Mar. 4 | 5.47 | June 2 | 6.52 | 22 | 8.70 | Oct. 26 | 7.76 |
| 29 | 5.30 | July 2 | 7.51 | Sept. 2 | 4.43 | Nov. 28 | 9.15 |
| Apr. 29 | 4.86 | 28 | 7.56 | Oct. 5 | 8.51 | Jan. 26, 1967 | 8.65 |
| May 29 | 3.68 | Aug. 28 | 8.37 | Nov. 3 | 7.18 | Mar. 1 | 7.13 |
| June 26 | 5.93 | Sept. 28 | 9.22 | Dec. 1 | 5.43 | Apr. 4 | 8.27 |
| July 31 | 8.72 | Nov. 2 | 7.78 | Jan. 3, 1966 | 6.00 | May 2 | 7.83 |
| Aug. 29 | 8.17 | Dec. 2 | 6.33 | Feb. 1 | 6.96 | June 1 | 8.08 |
| Oct. 3 | 3.31 | 30 | 6.31 | Mar. 2 | 4.62 | July 5 | 10.63 |
| 30 | 1.95 | Feb. 1, 1965 | 6.97 | 31 | 3.55 | 31 | 10.15 |
| Dec. 3 | -1.04 | Mar. 1 | 5.76 | Apr. 29 | 3.71 | Sept. 6 | 10.63 |
| Jan. 2, 1964 | +0.03 | Apr. 2 | 5.31 | May 31 | 4.32 | Oct. 4 | 9.15 |
| 28 | -5.51 | May 3 | 2.82 | June 30 | 9.16 | 30 | 10.61 |
| Feb. 24 | .28 | 27 | 6.93 | July 28 | 13.13 | Dec. 1 | 8.67 |

403958N0734951.1. Local number Q1089. City of New York, Dept. of Water Supply, Gas and Electricity. North Conduit Ave. near Long Island RR., Aqueduct. Driven observation water-table well in deposits of late Pleistocene age, diam 2 in, depth 32 ft, screened 30-32. Lsd 20.2 ft above msl. MP top of 2-in coupling, 0.04 ft below lsd. Highest water level 4.04 above msl, Sept. 23, 1938; lowest 3.39 below msl, Mar. 28, 1959. Records available: 1911-17, 1932-39, 1941-67.

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|--------------|-------|---------------|-------|--------------|-------|----------------|-------|
| Jan. 3, 1963 | +0.95 | May 1, 1964 | +0.01 | July 1, 1965 | +0.43 | Sept. 30, 1966 | -0.26 |
| 29 | .74 | June 2 | .49 | 22 | .42 | Oct. 31 | .16 |
| Mar. 4 | 1.20 | July 2 | .49 | Sept. 1 | .32 | Dec. 2 | .06 |
| 29 | 1.13 | 28 | .55 | Oct. 5 | .19 | Jan. 27, 1967 | .02 |
| Apr. 25 | .59 | Sept. 1 | .38 | Nov. 3 | .03 | Mar. 1 | -.08 |
| May 28 | .31 | 30 | .38 | Dec. 3 | +1.10 | Apr. 3 | +6.67 |
| June 26 | .27 | Oct. 29 | .48 | Feb. 1, 1966 | -.09 | May 2 | .87 |
| Aug. 29 | .28 | Dec. 2 | .18 | Mar. 2 | +3.33 | 31 | .37 |
| Oct. 3 | .51 | 30 | .46 | 31 | +3.06 | July 5 | .11 |
| 25 | +1.12 | Jan. 27, 1965 | .47 | Apr. 29 | -1.17 | 31 | .08 |
| Dec. 3 | -.41 | Mar. 1 | .82 | May 31 | .38 | Aug. 31 | .30 |
| Jan. 3, 1964 | .82 | Apr. 2 | .68 | July 1 | .60 | Oct. 3 | +0.06 |
| 28 | .60 | 29 | .82 | 28 | .56 | 31 | -.02 |
| Mar. 4 | .04 | May 26 | .63 | Sept. 2 | .83 | Dec. 1 | .29 |
| 31 | -.49 | | | | | | |

404157N0734801.2. Local number Q1252. U.S. Geol. Survey. Liberty Ave. and 157th St., Jamaica. 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, 0.31 ft above lsd. Highest water level 13.92 above msl, Nov. 2, 1948; lowest 1.94 below msl, Apr. 3, 1967. Records available: 1940-67.

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|--------------|-------|---------------|-------|--------------|-------|----------------|-------|
| Jan. 3, 1963 | +5.62 | Mar. 31, 1964 | +2.78 | July 1, 1965 | +0.21 | Sept. 30, 1966 | -1.84 |
| Feb. 11 | 5.34 | May 1 | 2.96 | 29 | -.06 | Nov. 2 | 1.72 |
| Mar. 5 | 4.97 | June 2 | 2.63 | Sept. 2 | .19 | Dec. 2 | 1.61 |
| 28 | 4.76 | July 2 | 2.66 | Oct. 5 | .34 | Jan. 3, 1967 | 1.54 |
| May 1 | 4.44 | 28 | 2.18 | Nov. 3 | .40 | 27 | 1.84 |
| 28 | 4.05 | Sept. 1 | 2.01 | Dec. 3 | .33 | Mar. 1 | 1.82 |
| June 26 | 3.80 | Oct. 1 | 1.56 | Jan. 4, 1966 | .39 | Apr. 3 | 1.94 |
| July 31 | 3.35 | Nov. 2 | 1.35 | Feb. 1 | .44 | May 3 | 1.54 |
| Aug. 29 | 3.06 | Dec. 2 | 1.28 | Mar. 2 | .46 | June 1 | 1.19 |
| Oct. 3 | 3.09 | Jan. 5, 1965 | 1.26 | 31 | .44 | July 5 | 1.34 |
| 30 | 2.89 | Feb. 1 | 1.11 | Apr. 29 | .57 | 31 | 1.64 |
| Dec. 3 | 2.99 | Mar. 1 | 1.11 | May 31 | .41 | Sept. 6 | 1.52 |
| Jan. 3, 1964 | 3.07 | Apr. 2 | .94 | July 1 | .91 | Oct. 3 | 1.49 |
| 28 | 3.33 | 29 | .86 | 28 | 1.47 | 31 | 1.36 |
| Mar. 4 | 2.90 | May 27 | .55 | Sept. 2 | 1.91 | Dec. 4 | 1.07 |

Suffolk County

404614N0731644.1. Local number S1810. U.S. Geol. Survey. Gardiner Dr., Pineaire. Driven observation water-table well in deposits of late Pleistocene age, diam 1½ in, depth 56 ft, screened 54-56. Led 90.1 ft above msl. MP top of casing, 1.03 ft above lsd. Highest water level 56.19 above msl, Apr. 29, 1939; lowest 43.30 above msl, Feb. 27, 1967. Records available: 1912-14, 1932-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | +50.05 | Apr. 27, 1964 | +49.38 | July 27, 1965 | +47.03 | Oct. 26, 1966 | +43.76 |
| Feb. 25 | 50.04 | May 26 | 50.21 | Aug. 31 | 46.73 | Nov. 29 | 43.62 |
| Mar. 26 | 50.62 | July 1 | 49.84 | Sept. 30 | 46.37 | Dec. 28 | 43.49 |
| Apr. 25 | 50.91 | 28 | 49.50 | Oct. 29 | 46.06 | Jan. 25, 1967 | 43.41 |
| May 27 | 50.61 | Sept. 1 | 48.85 | Nov. 29 | 45.70 | Feb. 27 | 43.30 |
| July 1 | 50.32 | 29 | 48.28 | Dec. 27 | 45.38 | Mar. 30 | 44.22 |
| 30 | 49.90 | Oct. 29 | 47.87 | Jan. 26, 1966 | 45.02 | Apr. 28 | 45.19 |
| Sept. 3 | 49.47 | Nov. 24 | 47.56 | Feb. 25 | 44.82 | May 24 | 45.79 |
| 26 | 49.20 | Dec. 30 | 47.25 | Mar. 28 | 44.72 | June 26 | 46.45 |
| Oct. 29 | 48.77 | Jan. 27, 1965 | 47.28 | Apr. 26 | 44.53 | July 24 | 47.12 |
| Dec. 2 | 48.44 | Feb. 26 | 47.46 | May 25 | 45.06 | Aug. 29 | 47.50 |
| 26 | 48.27 | Mar. 30 | 47.58 | June 29 | 44.43 | Sept. 27 | 47.46 |
| Jan. 29, 1964 | 48.22 | Apr. 28 | 47.85 | July 26 | 44.19 | Oct. 24 | 47.28 |
| Feb. 26 | 48.69 | May 26 | 47.69 | Aug. 26 | 43.97 | Nov. 27 | 47.05 |
| Mar. 27 | 48.81 | June 25 | 47.47 | Sept. 27 | 43.94 | Dec. 26 | 46.83 |

405146N0730319.1. Local number S3513. New York State Division of Highways. State Highway 25, Selden. Drilled unused water-table well in deposits of late Pleistocene age, diam 8 in, depth 65 ft, screened 63-65. Led 102.1 ft above msl. MP top of reducer, 0.21 ft above lsd (since Apr. 12, 1966). Highest water level 67.63 above msl, Mar. 5, 1962; lowest 56.06 above msl, Mar. 1, 1967. Records available: 1942-67.

| | | | | | | | |
|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 29, 1963 | +64.65 | Apr. 30, 1964 | +63.58 | July 26, 1965 | +61.29 | Oct. 26, 1966 | +56.99 |
| Mar. 4 | 65.15 | May 27 | 63.98 | Aug. 30 | 60.94 | Nov. 29 | 56.72 |
| 27 | 65.56 | July 1 | 64.04 | Sept. 30 | 60.60 | Dec. 29 | 56.33 |
| Apr. 29 | 65.24 | 28 | 63.78 | Nov. 2 | 60.22 | Jan. 26, 1967 | 56.25 |
| May 28 | 65.02 | Aug. 31 | 63.34 | 30 | 59.62 | Mar. 1 | 56.06 |
| July 2 | 64.82 | Sept. 30 | 62.91 | Dec. 28 | 59.57 | Apr. 4 | 56.35 |
| 31 | 64.58 | Oct. 28 | 62.59 | Feb. 1, 1966 | 59.16 | 27 | 57.11 |
| Sept. 4 | 64.26 | Nov. 23 | 62.25 | Mar. 1 | 58.65 | May 26 | 57.22 |
| 26 | 64.10 | Dec. 29 | 61.98 | 25 | 58.67 | June 27 | 57.63 |
| Oct. 30 | 63.70 | Jan. 28, 1965 | 61.67 | Apr. 29 | 58.36 | July 25 | 58.19 |
| Dec. 4 | 63.34 | Mar. 2 | 61.69 | June 7 | 58.04 | Sept. 1 | 58.60 |
| 27 | 63.12 | 29 | 61.68 | July 1 | 57.87 | Oct. 4 | 58.62 |
| Jan. 30, 1964 | 62.89 | Apr. 23 | 61.71 | 27 | 57.63 | 27 | 58.43 |
| Feb. 26 | 62.93 | May 26 | 61.43 | Aug. 29 | 57.53 | Nov. 30 | 58.22 |
| Mar. 26 | 62.85 | June 28 | 61.41 | Sept. 28 | 57.17 | Dec. 27 | 58.06 |

405030N0731814.1. Local number S3514. Heatherwood Shopping Center. Formerly Herman Jurgens. Jericho Turnpike, Commack. Dug unused water-table well in deposits of late Pleistocene age, diam 30 in, depth 98 ft, brick-lined. Led 153.6 ft above msl. MP top of 2-in coupling, 0.18 above lsd (since Nov. 30, 1967). Highest water level 72.51 above msl, Feb. 25, 1956; lowest 64.23 above msl, Mar. 18, 26, 1951. Records available: 1942-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 28, 1963 | +70.32 | Apr. 30, 1964 | +68.95 | July 27, 1965 | +67.83 | Nov. 2, 1966 | +65.70 |
| Feb. 25 | 70.87 | May 26 | 68.94 | Aug. 31 | 67.85 | 30 | 65.14 |
| Mar. 27 | 71.15 | July 1 | 70.04 | Sept. 30 | 67.84 | Dec. 29 | 65.14 |
| May 5 | 70.70 | 28 | 69.23 | Nov. 4 | 67.45 | Jan. 25, 1967 | 65.02 |
| 27 | 70.62 | Sept. 1 | 69.10 | 29 | 67.17 | Mar. 1 | 64.74 |
| July 1 | 70.50 | 29 | 68.92 | Dec. 27 | 66.87 | 31 | 65.03 |
| 30 | 70.26 | Oct. 28 | 68.65 | Jan. 26, 1966 | 66.17 | Apr. 28 | 65.04 |
| Sept. 3 | 70.06 | Nov. 24 | 68.52 | Feb. 25 | 66.58 | May 24 | 65.72 |
| 26 | 69.90 | Dec. 29 | 68.38 | Mar. 28 | 66.30 | June 26 | 66.13 |
| Oct. 31 | 69.52 | Jan. 27, 1965 | 68.33 | Apr. 29 | 65.83 | July 24 | 67.02 |
| Dec. 4 | 69.33 | Feb. 26 | 68.08 | June 8 | 65.75 | Aug. 29 | 67.53 |
| 26 | 69.60 | Mar. 30 | 67.97 | 29 | 65.59 | Oct. 3 | 67.98 |
| Jan. 29, 1964 | 68.94 | Apr. 27 | 68.03 | July 26 | 65.49 | 25 | 67.67 |
| Feb. 26 | 68.94 | May 26 | 67.98 | Aug. 26 | 65.29 | Nov. 30 | 67.97 |
| Mar. 27 | 68.59 | June 25 | 67.80 | Sept. 27 | 65.33 | Dec. 26 | 68.06 |

405037N0723903.1. Local number S3543. City of New York, Board of Water Supply. West of Old Riverhead Rd., Westhampton. Driven observation water-table well in deposits of late Pleistocene age, diam 2 in, depth 58 ft, screened 56-58. Led 64.4 ft above msl. MP top of casing, 0.04 ft above lsd. Highest water level 21.46 above msl, June 24, 1958; lowest 15.03 above msl, Jan. 26, 1967. Records available: 1907-09, 1942-43, 1947-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 30, 1963 | +19.10 | Apr. 28, 1964 | +17.67 | July 26, 1965 | +17.43 | Oct. 27, 1966 | +15.57 |
| Feb. 26 | 19.06 | May 27 | 18.62 | Aug. 30 | 17.34 | Nov. 28 | 15.37 |
| Mar. 27 | 19.29 | July 1 | 18.80 | Sept. 28 | 17.09 | Dec. 27 | 15.12 |
| Apr. 29 | 19.31 | 29 | 18.64 | Nov. 1 | 16.78 | Jan. 26, 1967 | 15.03 |
| May 28 | 19.18 | Aug. 31 | 18.30 | 30 | 16.49 | Feb. 28 | 15.55 |
| July 2 | 19.10 | Sept. 30 | 17.99 | Dec. 28 | 16.20 | Mar. 31 | 15.45 |
| 31 | 19.09 | Oct. 27 | 17.57 | Jan. 31, 1966 | 15.86 | Apr. 25 | 16.10 |
| Sept. 4 | 18.91 | Nov. 23 | 17.21 | Feb. 28 | 15.70 | May 28 | 16.69 |
| 27 | 18.70 | Dec. 28 | 16.85 | Mar. 25 | 15.50 | June 27 | 17.37 |
| Nov. 4 | 18.24 | Jan. 28, 1965 | 16.64 | Apr. 26 | 15.35 | July 25 | 18.04 |
| Dec. 3 | 17.88 | Mar. 2 | 16.85 | June 7 | 15.36 | Aug. 30 | 17.99 |
| 27 | 17.60 | 29 | 17.22 | 30 | 15.56 | Oct. 3 | 18.42 |
| Jan. 30, 1964 | 17.46 | Apr. 21 | 17.45 | July 27 | 15.90 | 30 | 18.17 |
| Feb. 25 | 17.12 | May 25 | 17.43 | Aug. 31 | 15.90 | Nov. 28 | 17.99 |
| Mar. 26 | 17.42 | June 28 | 17.42 | Sept. 28 | 16.58 | Dec. 27 | 17.75 |

405743N0724257.1. Local number S4271. U.S. Geol. Survey. Long Island Research Farm, Riverhead. 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 8.16 above msl, Sept. 5, 1966. Records available: 1945-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| Jan. 2, 1963 | +10.48 | Apr. 6, 1964 | +9.86 | July 5, 1965 | +9.23 | Oct. 3, 1966 | +8.31 |
| 7 | 10.51 | 13 | 9.86 | 12 | 9.03 | 10 | 8.34 |
| 14 | 10.49 | 20 | 9.88 | 19 | 9.07 | 17 | 8.32 |
| 22 | 10.53 | 27 | 9.91 | 26 | 9.14 | 24 | 8.32 |
| 28 | 10.49 | May 4 | 9.97 | Aug. 2 | 9.02 | 31 | 8.34 |
| Feb. 4 | 10.47 | 11 | 10.02 | 9 | 9.20 | Nov. 7 | 8.34 |
| 11 | 10.53 | 18 | 10.04 | 16 | 9.25 | 14 | 8.36 |
| 18 | 10.73 | 25 | 10.10 | 23 | 9.30 | 21 | 8.36 |
| 25 | 10.81 | June 1 | 10.10 | 30 | 9.34 | 28 | 8.38 |
| Mar. 4 | 10.77 | 8 | 10.03 | Sept. 6 | 9.38 | Dec. 5 | 8.38 |
| 11 | 10.96 | 15 | 9.90 | 13 | 9.42 | 12 | 8.38 |
| 18 | 11.01 | 22 | 9.69 | 20 | 9.47 | 19 | 8.39 |
| 25 | 11.03 | 29 | 9.69 | 27 | 9.48 | 27 | 8.40 |
| Apr. 1 | 11.04 | July 6 | 9.48 | Oct. 4 | 9.51 | Jan. 2, 1967 | 8.39 |
| 8 | 11.07 | 13 | 9.52 | 11 | 9.54 | 9 | 8.39 |
| 15 | 11.07 | 20 | 9.58 | 18 | 9.56 | 16 | 8.38 |
| 22 | 11.09 | 27 | 9.55 | 25 | 9.57 | 23 | 8.35 |
| 29 | 11.08 | Aug. 3 | 9.45 | Nov. 1 | 9.57 | 30 | 8.35 |
| May 6 | 11.07 | 10 | 9.26 | 8 | 9.54 | Feb. 6 | 8.37 |
| 13 | 11.03 | 17 | 9.18 | 15 | 9.53 | 13 | 8.39 |
| 20 | 11.02 | 24 | 9.07 | 22 | 9.56 | 20 | 8.37 |
| 27 | 10.96 | 31 | 9.13 | 29 | 9.57 | 27 | 8.34 |
| June 3 | 10.91 | Sept. 8 | 9.22 | Dec. 6 | 9.57 | Mar. 6 | 8.33 |
| 10 | 10.90 | 14 | 9.29 | 13 | 9.54 | 13 | 8.45 |
| 17 | 10.88 | 21 | 9.34 | 20 | 9.55 | 20 | 8.52 |
| 24 | 10.86 | 28 | 9.37 | 27 | 9.60 | 27 | 8.56 |
| July 1 | 10.68 | Oct. 5 | 9.43 | Jan. 3, 1966 | 9.57 | Apr. 3 | 8.61 |
| 8 | 10.67 | 12 | 9.46 | 10 | 9.42 | 10 | 8.64 |
| 15 | 10.41 | 19 | 9.51 | 17 | 9.41 | 17 | 8.68 |
| 22 | 10.27 | 26 | 9.54 | 24 | 9.39 | 24 | 8.72 |
| 29 | 10.20 | Nov. 2 | 9.55 | 31 | 9.44 | May 1 | 8.76 |
| Aug. 5 | 10.16 | 9 | 9.56 | Feb. 7 | 9.34 | 8 | 8.81 |
| 12 | 10.07 | 16 | 9.58 | 14 | 9.38 | 15 | 8.87 |
| 19 | 9.94 | 23 | 9.56 | 21 | 9.46 | 22 | 8.90 |
| 26 | 9.94 | 30 | 9.58 | 28 | 9.48 | 29 | 8.95 |
| Sept. 2 | 9.90 | Dec. 7 | 9.57 | Mar. 7 | 9.55 | June 5 | 9.00 |
| 9 | 9.90 | 14 | 9.57 | 14 | 9.59 | 12 | 9.02 |
| 16 | 9.89 | 21 | 9.58 | 21 | 9.60 | 19 | 8.91 |
| 23 | 9.92 | 28 | 9.56 | 28 | 9.61 | 26 | 9.03 |
| 30 | 9.91 | Jan. 4, 1965 | 9.57 | Apr. 4 | 9.61 | July 3 | 9.09 |
| Oct. 7 | 9.91 | 11 | 9.58 | 11 | 9.61 | 10 | 9.15 |
| 14 | 9.86 | 18 | 9.57 | 18 | 9.59 | 17 | 9.19 |
| 21 | 9.82 | 25 | 9.54 | 25 | 9.55 | 24 | 9.24 |
| 28 | 9.79 | Feb. 1 | 9.54 | May 2 | 9.50 | 31 | 9.29 |
| Nov. 4 | 9.76 | 8 | 9.54 | 9 | 9.47 | Aug. 7 | 9.35 |
| 11 | 9.81 | 15 | 9.62 | 16 | 9.43 | 14 | 9.41 |
| 18 | 9.82 | 22 | 9.66 | 23 | 9.41 | 21 | 9.47 |
| 25 | 9.77 | Mar. 1 | 9.70 | 31 | 9.39 | 28 | 9.52 |
| Dec. 2 | 9.76 | 8 | 9.72 | June 6 | 9.37 | Sept. 4 | 9.55 |
| 9 | 9.74 | 15 | 9.76 | 13 | 9.34 | 11 | 9.60 |
| 16 | 9.71 | 22 | 9.78 | 20 | 9.31 | 18 | 9.65 |
| 23 | 9.68 | 29 | 9.79 | 27 | 9.16 | 25 | 9.70 |
| 30 | 9.65 | Apr. 5 | 9.81 | July 4 | 9.11 | Oct. 2 | 9.74 |
| Jan. 6, 1964 | 9.65 | 12 | 9.86 | 11 | 8.86 | 9 | 9.78 |
| 13 | 9.62 | 19 | 9.88 | 18 | 8.73 | 16 | 9.81 |
| 20 | 9.59 | 26 | 9.91 | 25 | 8.46 | 23 | 9.82 |
| 27 | 9.65 | May 3 | 9.93 | Aug. 1 | 8.39 | 30 | 9.82 |
| Feb. 3 | 9.65 | 10 | 9.95 | 8 | 8.22 | Nov. 6 | 9.86 |
| 10 | 9.69 | 17 | 9.95 | 15 | 8.19 | 13 | 9.89 |
| 17 | 9.69 | 24 | 9.93 | 22 | 8.19 | 20 | 9.89 |
| 24 | 9.74 | 31 | 9.84 | 29 | 8.20 | 27 | 9.89 |
| Mar. 2 | 9.75 | June 7 | 9.89 | Sept. 5 | 8.16 | Dec. 4 | 9.89 |
| 9 | 9.79 | 14 | 9.72 | 11 | 8.22 | 11 | 9.92 |
| 16 | 9.81 | 21 | 9.69 | 19 | 8.24 | 18 | 9.92 |
| 23 | 9.83 | 28 | 9.46 | 26 | 8.29 | 26 | 9.92 |
| 30 | 9.86 | | | | | | |

405149N0725322.1. Local number S5517. Brookhaven National Lab. Upton Rd. and Princeton Ave., Upton. 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 33.34 above msl, Mar. 1, 1967. Records available: 1948-67.

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|---------------|--------|----------------|--------|--------------|--------|---------------|--------|
| Jan. 29, 1963 | +42.05 | Sept. 26, 1963 | +41.92 | May 27, 1964 | +41.94 | Jan. 28, 1965 | +38.94 |
| Mar. 4 | 42.51 | Oct. 30 | 40.98 | July 1 | 41.76 | Mar. 2 | 39.24 |
| 27 | 42.45 | Dec. 3 | 40.44 | 29 | 41.35 | 29 | 38.18 |
| Apr. 29 | 42.62 | 27 | 40.15 | Aug. 31 | 40.82 | Apr. 22 | 38.51 |
| May 28 | 42.45 | Jan. 30, 1964 | 39.76 | Sept. 30 | 40.45 | May 25 | 38.40 |
| July 2 | 42.51 | Feb. 27 | 39.78 | Oct. 27 | 40.10 | June 28 | 38.72 |
| 31 | 42.36 | Mar. 26 | 40.02 | Nov. 23 | 39.69 | July 26 | 37.46 |
| Sept. 4 | 41.90 | Apr. 30 | 41.26 | Dec. 28 | 39.15 | Aug. 30 | 37.34 |

405149N0725322.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 29, 1965 | +36.89 | Apr. 28, 1966 | +35.27 | Nov. 28, 1966 | +33.82 | June 27, 1967 | +36.08 |
| Nov. 2 | 36.68 | June 7 | 35.05 | Dec. 27 | 33.58 | July 25 | 36.45 |
| 30 | 36.87 | 30 | 35.16 | Jan. 26, 1967 | 33.75 | Aug. 30 | 35.83 |
| Dec. 28 | 36.64 | July 27 | 35.11 | Mar. 1 | 33.34 | Oct. 4 | 36.74 |
| Feb. 1, 1966 | 35.92 | Aug. 30 | 34.40 | Apr. 4 | 34.74 | Nov. 1 | 35.70 |
| Mar. 1 | 35.34 | Sept. 28 | 34.19 | 26 | 35.64 | 28 | 36.47 |
| 25 | 35.82 | Oct. 28 | 34.10 | May 26 | 35.57 | Dec. 27 | 36.33 |

405223N0725234.1. Local number S6434. Brookhaven National Lab. 10th St. and 4th Ave., Upton. 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 2-in nipple, 2.21 ft above lsd (since June 27, 1967). Highest water level 35.20 above msl, July 29, 1958; lowest 28.74 above msl, Mar. 1, 1967. Records available: 1949-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 29, 1963 | +32.64 | Apr. 30, 1964 | +32.21 | July 26, 1965 | +31.29 | Oct. 28, 1966 | +29.10 |
| Mar. 4 | 32.89 | May 27 | 32.64 | Aug. 30 | 30.98 | Nov. 28 | 29.32 |
| 27 | 33.28 | July 1 | 32.56 | Sept. 29 | 30.92 | Dec. 27 | 28.84 |
| Apr. 29 | 32.94 | 29 | 32.54 | Nov. 2 | 30.48 | Jan. 26, 1967 | 28.80 |
| May 28 | 33.07 | Aug. 31 | 32.25 | 30 | 30.37 | Mar. 1 | 28.74 |
| July 2 | 33.08 | Sept. 30 | 32.01 | Dec. 28 | 30.18 | Apr. 4 | 29.01 |
| 31 | 32.80 | Oct. 27 | 31.76 | Feb. 1, 1966 | 30.32 | 26 | 29.26 |
| Sept. 4 | 32.61 | Nov. 23 | 31.41 | Mar. 1 | 30.58 | May 26 | 29.82 |
| 26 | 32.53 | Dec. 28 | 31.52 | 25 | 30.16 | June 27 | 30.02 |
| Oct. 30 | 32.47 | Jan. 28, 1965 | 31.87 | Apr. 28 | 29.72 | July 25 | 30.41 |
| Dec. 3 | 32.32 | Mar. 2 | 31.44 | June 7 | 29.82 | Aug. 30 | 30.56 |
| 27 | 32.09 | 29 | 31.57 | 30 | 29.69 | Oct. 4 | 30.54 |
| Jan. 30, 1964 | 31.80 | Apr. 22 | 31.56 | July 27 | 29.49 | Nov. 1 | 30.44 |
| Feb. 25 | 31.95 | May 25 | 31.62 | Aug. 30 | 29.22 | 28 | 30.47 |
| Mar. 26 | 32.31 | June 28 | 31.27 | Sept. 28 | 29.36 | Dec. 27 | 30.26 |

405223N0725234.2. Local number S6455. Brookhaven National Lab. 10th St. and 4th Ave., Upton. 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, 0.16 ft below lsd (since Nov. 28, 1967). Highest water level 41.70 above msl, June 25, 1958; lowest 33.82 above msl, Dec. 27, 1966, Mar. 1, 1967. Records available: 1949-52, 1954-67.

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|---------------|--------|---------------|--------|---------------|--------|---------------|--------|
| Jan. 29, 1963 | +38.11 | Apr. 30, 1964 | +38.36 | July 26, 1965 | +36.58 | Oct. 28, 1966 | +34.24 |
| Mar. 4 | 38.51 | May 27 | 38.57 | Aug. 30 | 36.36 | Nov. 28 | 34.26 |
| 27 | 38.97 | July 1 | 38.30 | Sept. 29 | 36.20 | Dec. 27 | 33.82 |
| Apr. 29 | 38.78 | 29 | 38.10 | Nov. 2 | 35.78 | Jan. 26, 1967 | 33.91 |
| May 28 | 38.87 | Aug. 31 | 37.64 | 30 | 35.59 | Mar. 1 | 33.82 |
| July 2 | 38.54 | Sept. 30 | 37.22 | Dec. 28 | 35.30 | Apr. 4 | 34.67 |
| 31 | 38.11 | Oct. 27 | 36.87 | Feb. 1, 1966 | 35.04 | 26 | 35.21 |
| Sept. 4 | 37.80 | Nov. 23 | 36.59 | Mar. 1 | 35.52 | May 26 | 35.96 |
| 26 | 37.78 | Dec. 28 | 36.66 | 25 | 35.30 | June 27 | 36.19 |
| Oct. 30 | 37.28 | Jan. 28, 1965 | 36.69 | Apr. 28 | 34.95 | July 25 | 36.54 |
| Dec. 3 | 37.18 | Mar. 2 | 37.09 | June 7 | 34.94 | Aug. 30 | 36.59 |
| 27 | 36.92 | 29 | 37.39 | 30 | 34.91 | Oct. 4 | 36.47 |
| Jan. 30, 1964 | 36.90 | Apr. 22 | 37.18 | July 27 | 34.69 | Nov. 1 | 36.36 |
| Feb. 26 | 37.23 | May 25 | 37.28 | Aug. 30 | 34.35 | 28 | 36.15 |
| Mar. 26 | 37.63 | June 28 | 36.92 | Sept. 28 | 34.35 | Dec. 27 | 36.01 |

410100N0722925.1. Local number S6542. Cutchogue Fire Dept. Depot Lane, Cutchogue. 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. Highest water level 8.27 above msl, May 29, 1958; lowest 2.66 above msl, Aug. 31, 1968. Records available: 1949-67.

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|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 30, 1963 | +5.34 | Apr. 29, 1964 | +5.86 | July 26, 1965 | +4.04 | Oct. 28, 1966 | +2.81 |
| Feb. 25 | 6.21 | May 27 | 6.00 | Aug. 30 | 3.87 | Nov. 28 | 2.95 |
| Mar. 27 | 6.53 | July 1 | 5.11 | Sept. 29 | 3.70 | Dec. 27 | 2.97 |
| May 1 | 6.03 | 29 | 4.75 | Nov. 1 | 3.56 | Jan. 26, 1967 | 3.19 |
| 28 | 5.59 | Aug. 31 | 4.05 | 30 | 3.42 | Feb. 28 | 3.41 |
| July 2 | 5.26 | Sept. 30 | 3.82 | Dec. 28 | 3.36 | Mar. 31 | 4.61 |
| 31 | 4.82 | Oct. 26 | 4.16 | Feb. 1, 1966 | 3.20 | Apr. 26 | 5.03 |
| Sept. 4 | 4.34 | Nov. 23 | 3.60 | 28 | 4.47 | May 25 | 5.03 |
| 27 | 4.13 | Dec. 28 | 3.72 | Mar. 25 | 4.04 | June 27 | 5.00 |
| Nov. 5 | 3.82 | Jan. 28, 1965 | 3.93 | Apr. 26 | 3.78 | July 25 | 5.67 |
| Dec. 3 | 3.79 | Mar. 2 | 4.88 | June 7 | 3.86 | Aug. 30 | 5.62 |
| 27 | 3.75 | 29 | 5.09 | 30 | 3.68 | Oct. 3 | 5.34 |
| Jan. 30, 1964 | 4.41 | Apr. 22 | 5.02 | July 27 | 2.92 | 31 | 5.09 |
| Feb. 25 | 4.76 | May 25 | 4.89 | Aug. 31 | 2.66 | Nov. 28 | 4.86 |
| Mar. 26 | 5.18 | June 28 | 4.34 | Sept. 28 | 2.80 | Dec. 26 | 4.75 |

405309N0722330.1. Local number S8836. Southampton Fire Dept. Nugent St., Southampton. 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 5.03 above msl, Feb. 28, 1967. Records available: 1950-67.

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|---------------|-------|----------------|-------|--------------|-------|---------------|-------|
| Jan. 30, 1963 | +6.72 | Sept. 27, 1963 | +6.03 | May 27, 1964 | +6.92 | Jan. 28, 1965 | +5.99 |
| Feb. 26 | 6.77 | Nov. 4 | 5.77 | July 1 | 6.50 | Mar. 2 | 6.60 |
| Mar. 27 | 7.20 | Dec. 3 | 6.05 | Aug. 31 | 6.68 | 29 | 6.66 |
| May 1 | 6.95 | 27 | 5.69 | Sept. 30 | 6.33 | Apr. 21 | 6.65 |
| 28 | 6.87 | Jan. 30, 1964 | 5.93 | Oct. 26 | 6.44 | May 25 | 6.52 |
| July 2 | 6.62 | Feb. 25 | 6.10 | Nov. 23 | 5.90 | June 28 | 6.32 |
| 31 | 6.49 | Mar. 26 | 6.28 | Dec. 28 | 6.03 | July 26 | 6.23 |
| Sept. 4 | 6.09 | Apr. 28 | 7.09 | | | Aug. 30 | 6.09 |

405309N0722330.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Sept. 28, 1965 | +5.95 | Apr. 26, 1966 | +5.46 | Nov. 28, 1966 | +5.49 | June 27, 1967 | +7.58 |
| Nov. 1 | 5.84 | June 7 | 5.28 | Dec. 27 | 5.45 | July 25 | 7.39 |
| 30 | 5.56 | 30 | 5.88 | Jan. 26, 1967 | 5.52 | Aug. 30 | 7.23 |
| Dec. 28 | 5.45 | July 27 | 5.66 | Feb. 28 | 5.03 | Oct. 3 | 6.93 |
| Jan. 31, 1966 | 5.35 | Aug. 31 | 5.59 | Mar. 31 | 6.61 | 30 | 6.77 |
| Feb. 28 | 5.62 | Sept. 28 | 5.68 | Apr. 25 | 6.89 | Nov. 28 | 6.82 |
| Mar. 25 | 5.62 | Oct. 27 | 5.53 | May 25 | 7.22 | Dec. 26 | 6.52 |

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OHIO

The observation-well program was continued in Ohio during the period 1963 through 1967 in cooperation with the Ohio Department of Natural Resources, Division of Water, 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 a 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

404315N0840704.1 (revised). Local number Al-1a. Standard Oil Co. Drilled unused artesian well in dolomite, diam 10 in, depth 375 ft. Lsd 870 ft (revised) 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: 1950-63. Water levels affected by pumping. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 5 | 155.70 | 157.20 | ..... | 156.30 | 154.40 | 153.50 | 159.20 | 156.60 | 154.40 | 152.80 | ..... | ..... |
| 10 | 153.70 | 156.50 | 159.00 | 155.50 | 154.00 | 156.40 | 157.70 | 158.40 | 154.70 | 153.20 | ..... | ..... |
| 15 | ..... | 156.60 | 158.80 | 155.50 | 154.80 | ..... | 157.80 | 159.40 | 152.90 | 152.00 | ..... | ..... |
| 20 | ..... | 156.40 | 157.60 | 154.40 | ..... | 158.20 | 155.00 | 159.70 | 153.20 | 151.70 | ..... | ..... |
| 25 | 167.00 | 156.20 | ..... | 153.90 | ..... | ..... | 156.80 | 158.30 | 152.00 | ..... | ..... | ..... |
| Eom | ..... | 156.20 | ..... | 154.20 | 155.70 | 159.20 | 156.80 | 156.20 | 152.00 | ..... | ..... | ..... |

Auglaize County

403313N0835352.1 (revised). Local number Au-1. C. W. Manchester. Drilled unused artesian well in limestone, diam 4 in, depth 96 ft. Lsd 1,035 ft (revised) above lsd. MP floor of instrument shelter, 3.70 ft above lsd. Highest water level 14.33 below lsd, Apr. 11, 1948; lowest 27.35 below lsd, Jan. 21, 22, 1965. Records available: 1946-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 19.63 | ..... | 19.15 | 17.61 | 17.38 | 17.59 | 17.93 | 18.47 | 19.37 | 20.96 | 21.90 | 25.62 |
| 10 | 19.49 | ..... | 19.31 | 17.48 | 17.38 | 17.51 | 18.50 | 18.53 | 19.81 | 20.87 | 23.49 | 25.62 |
| 15 | 19.99 | ..... | 19.11 | 17.46 | 17.31 | 17.50 | 18.03 | 18.68 | 19.77 | 20.94 | ..... | 25.79 |
| 20 | 19.18 | ..... | 18.36 | 17.42 | 17.37 | 17.68 | 18.01 | 18.73 | 20.20 | 21.19 | ..... | 25.75 |
| 25 | 19.25 | ..... | 18.19 | 17.37 | 17.44 | 17.94 | 18.22 | 18.84 | 20.11 | 21.35 | ..... | 25.90 |
| Eom | 19.19 | ..... | 17.85 | 17.32 | 17.48 | 17.79 | 18.34 | 19.17 | 20.27 | 22.10 | ..... | 26.21 |
| 1964 | | | | | | | | | | | | |
| 5 | 26.20 | 25.47 | 24.79 | 23.70 | 22.86 | 23.18 | 23.18 | 24.06 | 24.54 | 25.51 | ..... | ..... |
| 10 | 26.12 | 25.39 | 24.68 | 23.58 | 22.84 | 23.10 | 23.13 | 23.92 | 24.73 | 25.77 | ..... | 27.14 |
| 15 | 25.98 | 25.26 | 24.58 | 23.46 | 22.97 | 23.03 | 23.15 | 24.18 | 25.03 | 25.89 | ..... | 27.20 |
| 20 | 25.87 | 25.12 | 24.47 | 23.28 | 23.20 | 23.03 | 23.35 | 24.26 | 25.08 | 26.09 | ..... | 27.05 |
| 25 | 25.74 | 25.01 | 24.36 | 23.08 | 23.35 | 23.03 | 23.47 | 24.18 | 25.25 | 26.38 | ..... | 26.33 |
| Eom | 25.59 | 24.92 | 23.92 | 22.86 | 23.12 | 23.30 | 23.61 | 24.52 | 25.31 | 26.58 | ..... | 26.73 |
| 1965 | | | | | | | | | | | | |
| 5 | 27.09 | 27.11 | 25.39 | 23.70 | 22.41 | 22.76 | 23.27 | 23.92 | 24.64 | ..... | 25.46 | 25.30 |
| 10 | 27.13 | ..... | 25.06 | 23.30 | 22.44 | 22.61 | 23.29 | 23.98 | 24.78 | ..... | 25.39 | 25.42 |
| 15 | 27.21 | 26.55 | 25.76 | 22.98 | 22.37 | 22.70 | 23.61 | 24.09 | 24.69 | ..... | 25.50 | 25.26 |
| 20 | 27.33 | 26.33 | 24.45 | 22.85 | 22.44 | 23.03 | 23.64 | 24.02 | 25.12 | ..... | 25.42 | 25.25 |
| 25 | 27.17 | 25.95 | 24.16 | 22.54 | 22.55 | 23.77 | 24.12 | 24.57 | 24.73 | 25.46 | 25.36 | 25.29 |
| Eom | 27.11 | 25.87 | 23.93 | 22.48 | 22.54 | 23.46 | 24.33 | 24.52 | 25.11 | 25.41 | 25.28 | 25.27 |



Figure 11.—Location of observation wells in Ohio, 1963-67.

403313N0835352.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 25.05 | ..... | 23.27 | ..... | 22.40 | 22.21 | 22.34 | 22.81 | 22.94 | ..... | ..... | 22.96 |
| 10 | 24.99 | ..... | 23.25 | ..... | 22.30 | 21.95 | 22.20 | 22.60 | 23.37 | ..... | 23.67 | 22.50 |
| 15 | 24.70 | 24.02 | ..... | 22.72 | 22.11 | 21.89 | 22.17 | 22.42 | 23.05 | ..... | 23.64 | 22.22 |
| 20 | ..... | 23.81 | ..... | 22.66 | 22.03 | 22.12 | 22.37 | 22.58 | 22.93 | ..... | 23.55 | 21.83 |
| 25 | ..... | 23.55 | ..... | 22.62 | 22.02 | 22.49 | 22.50 | 22.73 | ..... | ..... | 23.51 | 21.74 |
| Eom | ..... | 23.45 | ..... | 22.48 | 21.87 | 22.63 | 22.68 | 22.87 | ..... | ..... | 23.05 | 21.54 |
| 1967 | | | | | | | | | | | | |
| 5 | 21.48 | 21.46 | 21.01 | 20.37 | 20.18 | 20.66 | 20.69 | 21.12 | 21.65 | 22.28 | ..... | ..... |
| 10 | 21.51 | 21.46 | 20.95 | 20.37 | 20.02 | 20.41 | 20.89 | 21.23 | 21.76 | 22.19 | ..... | ..... |
| 15 | 21.46 | 21.11 | 20.92 | 20.22 | 19.96 | 20.96 | 20.98 | 21.39 | 21.90 | 22.18 | ..... | ..... |
| 20 | 21.51 | 21.12 | 20.72 | 20.23 | 19.96 | 20.66 | 21.04 | 21.53 | 22.50 | 22.19 | 22.37 | 22.40 |
| 25 | 21.52 | 21.12 | 20.61 | 20.27 | 20.03 | 20.69 | 21.12 | 21.42 | 22.13 | ..... | ..... | ..... |
| Eom | 21.52 | 21.04 | 20.45 | 20.70 | 20.09 | 20.57 | 21.12 | 21.54 | 21.99 | 22.40 | ..... | ..... |

Belmont County

400619N0804232.1 (revised). Local number B-1. City of Martins Ferry. 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 0.05 below lsd, Mar. 11, 1964 (water level was higher but could not be recorded during January 1959 flood); lowest 38.50 below lsd, Jan. 30, 1966. Records available: 1948-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | 36.25 | ..... | ..... | 34.50 | 34.00 | 35.30 | 35.75 | ..... | ..... | ..... | ..... |
| 10 | ..... | 36.25 | ..... | 31.65 | 34.65 | 33.70 | 35.90 | 35.35 | ..... | ..... | ..... | ..... |
| 15 | ..... | 35.80 | 22.30 | 32.80 | 34.60 | 33.50 | 35.60 | 34.95 | ..... | ..... | 35.97 | 35.00 |
| 20 | 33.05 | ..... | 15.20 | 34.50 | 34.15 | 35.20 | 35.90 | 35.70 | ..... | ..... | 36.10 | 36.75 |
| 25 | 36.25 | ..... | ..... | 34.50 | 34.45 | 35.60 | 35.75 | 36.30 | ..... | 36.35 | 36.15 | 36.75 |
| Eom | 36.25 | ..... | ..... | 34.50 | 34.95 | 35.60 | 34.95 | 35.50 | ..... | 36.30 | ..... | 36.75 |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 33.30 | 29.20 | 22.20 | 29.90 | 35.25 | 35.00 | 34.35 | 35.45 | 35.10 | 35.85 | 33.55 |
| 10 | 33.75 | 34.15 | 12.80 | 24.40 | 32.90 | 35.15 | 35.45 | 35.05 | 35.80 | 35.05 | 35.85 | 33.65 |
| 15 | ..... | 33.90 | ..... | 29.80 | 33.60 | 35.20 | 33.90 | 34.85 | 35.15 | 35.75 | 35.10 | 28.30 |
| 20 | ..... | 35.15 | ..... | ..... | 34.50 | 34.50 | 35.90 | 35.50 | 35.35 | 35.90 | 35.10 | 33.25 |
| 25 | ..... | 35.85 | ..... | ..... | 34.80 | 34.00 | 35.35 | 34.00 | 35.25 | 34.95 | 35.25 | 33.00 |
| Eom | ..... | 35.95 | ..... | 26.70 | 35.40 | 35.65 | 35.55 | 35.20 | 35.25 | 35.15 | 33.85 | 30.00 |
| 1965 | | | | | | | | | | | | |
| 5 | 27.10 | 33.35 | 30.35 | 28.85 | 33.20 | 34.40 | 35.65 | 36.80 | 36.80 | 37.60 | 37.27 | 35.95 |
| 10 | 29.00 | 25.95 | 25.40 | 28.20 | 33.15 | 35.05 | 35.50 | 36.80 | 37.05 | 37.50 | 37.35 | 36.45 |
| 15 | 30.00 | 25.70 | 30.20 | 28.10 | 33.30 | 35.20 | 36.20 | 36.95 | 35.90 | 37.45 | 36.37 | 35.55 |
| 20 | 33.20 | 31.30 | 30.70 | 28.95 | 34.25 | 35.30 | 36.65 | 37.50 | 37.20 | 37.65 | 34.25 | 36.50 |
| 25 | 24.00 | 34.40 | 28.90 | 31.65 | 35.45 | 35.80 | 36.55 | 37.40 | 37.00 | 36.50 | 35.47 | 36.80 |
| Eom | 29.30 | 30.60 | 27.20 | 30.15 | 34.75 | 35.75 | 36.75 | 37.10 | 37.60 | 35.90 | 34.87 | 36.70 |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | 37.80 | 31.55 | 34.85 | 25.50 | 37.10 | 37.85 | 37.25 | 37.15 | 36.85 | 37.27 | 36.30 |
| 10 | 33.30 | 37.80 | 32.40 | 35.30 | 32.70 | 37.00 | 37.55 | 37.25 | 37.30 | 37.30 | 37.37 | 29.30 |
| 15 | 35.65 | 11.25 | 31.90 | 33.70 | 30.40 | 36.70 | 37.20 | 37.35 | 37.50 | 37.30 | 36.07 | 30.85 |
| 20 | 37.25 | ..... | 34.35 | 35.20 | 34.10 | 36.95 | 37.80 | 37.45 | 37.70 | 37.40 | 37.47 | 35.45 |
| 25 | 37.70 | ..... | 34.90 | 35.10 | 34.95 | 37.55 | 37.15 | 37.30 | 37.30 | 37.50 | 37.57 | 36.40 |
| Eom | 38.40 | ..... | 35.90 | 25.90 | 36.50 | 37.65 | 36.95 | 37.70 | 37.40 | 37.30 | 35.97 | 36.80 |
| 1967 | | | | | | | | | | | | |
| 5 | 36.95 | 32.20 | 34.60 | 32.50 | 33.80 | 35.45 | 36.50 | 36.50 | 36.30 | 33.80 | 35.25 | 31.75 |
| 10 | 37.15 | 35.70 | 23.30 | 31.55 | 23.90 | 36.60 | 36.60 | 35.70 | 36.00 | 34.70 | 35.87 | 30.40 |
| 15 | 35.45 | 36.15 | 23.45 | 33.55 | 24.55 | 36.65 | 35.30 | 36.45 | 36.65 | 36.25 | 35.15 | 32.40 |
| 20 | 37.90 | 35.25 | 27.40 | 34.00 | 24.85 | 36.80 | 36.35 | 36.25 | 35.60 | 36.15 | 34.75 | 35.00 |
| 25 | 36.45 | 35.80 | 28.55 | 32.20 | 32.15 | 36.45 | 36.35 | 36.55 | 36.40 | 34.10 | 31.97 | 35.10 |
| Eom | 35.40 | 36.70 | 27.80 | 33.10 | 34.15 | 36.50 | 35.55 | 35.90 | 34.65 | 34.60 | 33.47 | 34.30 |

Butler County

393115N0842416.1 (revised). Local number Bu-1. City of Middletown. Columbia Ave., Middletown. Drilled unused artesian well in gravel, diam 8 in, depth 62 ft, cased to 62. Lsd 649.9 ft (revised) above msl. MP floor of instrument platform, 2.8 ft above lsd. Highest water level 13.25 below lsd, May 4, 1947; lowest 41.10 below lsd, Sept. 25, 1941. Records available: 1941-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 34.23 | 34.48 | 34.00 | 28.13 | 29.14 | 30.74 | 32.44 | 33.19 | 33.57 | 35.06 | 34.93 | 35.18 |
| 10 | 34.48 | 34.17 | 27.39 | 28.55 | 29.74 | 31.15 | 32.76 | 33.25 | 34.00 | 35.15 | 35.11 | 35.47 |
| 15 | 34.15 | 33.88 | 27.99 | 28.69 | 30.14 | 31.51 | 32.88 | 33.42 | 34.20 | 35.28 | 35.23 | 35.47 |
| 20 | 33.98 | 34.05 | 27.67 | 29.20 | 30.48 | 32.14 | 33.15 | 33.51 | ..... | 35.24 | 35.37 | 35.53 |
| 25 | 34.26 | 34.17 | 27.25 | 28.98 | 30.50 | ..... | 33.06 | 34.47 | ..... | 35.30 | 35.27 | 35.43 |
| Eom | 34.43 | 34.40 | 27.85 | 28.78 | 30.71 | ..... | 33.13 | 33.56 | 34.62 | 35.05 | 35.07 | 35.73 |

393115N0842416.1—Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 35.75 | 35.92 | 35.66 | 30.15 | 26.45 | 29.17 | 30.30 | 31.34 | 32.76 | 33.35 | 34.33 | 33.88 |
| 10 | 35.93 | 36.02 | 33.59 | 29.08 | 27.25 | 28.61 | 30.22 | 31.62 | 32.98 | 33.75 | 34.29 | 33.58 |
| 15 | 35.95 | 36.19 | 29.37 | 29.32 | 27.76 | 28.47 | 30.38 | 32.01 | 33.29 | 34.27 | 34.38 | 33.19 |
| 20 | 36.27 | 35.97 | 29.31 | 29.50 | 28.27 | 29.40 | 30.35 | 32.20 | 33.03 | 34.54 | 34.30 | 33.42 |
| 25 | 36.18 | 35.77 | 29.74 | 25.83 | 28.52 | 29.74 | 31.07 | 32.25 | 33.01 | 34.39 | 34.30 | 33.38 |
| Eom | 35.98 | 36.11 | 30.23 | 25.74 | 28.56 | 30.15 | 31.28 | 32.35 | 33.17 | 34.55 | 34.05 | 33.16 |
| 1965 | | | | | | | | | | | | |
| 5 | 32.80 | 33.16 | 30.54 | 29.83 | 27.63 | 29.86 | 31.58 | 32.91 | 33.90 | 33.20 | 32.89 | 32.84 |
| 10 | 33.65 | 33.12 | 29.58 | 29.49 | 28.10 | 30.08 | 31.87 | 33.00 | 34.09 | 33.04 | 32.57 | 32.99 |
| 15 | 33.92 | 31.31 | 29.41 | 28.39 | 28.54 | 30.29 | 32.03 | 33.33 | 33.64 | 32.71 | 32.67 | 32.85 |
| 20 | 33.88 | 31.24 | 29.84 | 28.50 | 28.83 | 30.87 | 32.13 | 33.74 | 33.27 | 32.92 | 32.80 | 32.83 |
| 25 | 33.55 | 31.09 | 29.92 | 28.85 | 29.18 | 31.41 | 32.53 | 33.92 | 33.20 | 32.55 | 32.97 | 32.65 |
| Eom | 33.03 | 30.88 | 29.79 | 27.36 | 29.30 | 31.80 | 32.68 | 33.95 | 33.27 | 32.48 | 32.78 | 32.96 |
| 1966 | | | | | | | | | | | | |
| 5 | 32.40 | 32.42 | 31.07 | 33.05 | 31.56 | 31.73 | 32.95 | 33.37 | 33.95 | 33.17 | ..... | ..... |
| 10 | 31.64 | 32.50 | 31.14 | 32.74 | 31.57 | 31.80 | 33.09 | 33.51 | 34.11 | 33.47 | ..... | ..... |
| 15 | 31.60 | 30.98 | 31.32 | 32.75 | 31.24 | 32.23 | 33.07 | 33.95 | 34.34 | 33.38 | ..... | ..... |
| 20 | 31.70 | 30.66 | 32.34 | 32.85 | 31.19 | 32.53 | 33.17 | 33.95 | 33.96 | 33.16 | ..... | ..... |
| 25 | 31.83 | 30.80 | 32.92 | 32.70 | 30.99 | 32.81 | 33.34 | 33.95 | 33.55 | 33.03 | ..... | ..... |
| Eom | 32.18 | 30.95 | 33.28 | 32.33 | 30.99 | 32.92 | 33.17 | 33.95 | 33.38 | 33.36 | 31.90 | 29.94 |
| 1967 | | | | | | | | | | | | |
| 5 | 30.93 | 31.67 | 32.42 | 28.65 | 29.17 | 27.43 | 29.46 | 30.92 | 32.59 | 33.74 | 33.40 | 32.77 |
| 10 | 30.98 | 31.01 | 30.53 | 28.10 | 27.24 | 28.35 | 29.61 | 31.54 | 32.36 | 33.50 | 33.44 | 31.49 |
| 15 | 31.14 | 31.22 | 29.50 | 28.35 | 25.71 | 29.05 | 30.01 | 32.07 | 33.12 | 33.29 | 33.44 | 30.73 |
| 20 | 31.33 | 31.85 | 29.15 | 28.94 | 25.60 | 29.24 | 30.22 | 32.24 | 33.65 | 33.22 | 33.16 | 30.70 |
| 25 | 31.93 | 32.29 | 28.89 | 29.13 | 26.25 | 29.46 | 30.37 | 32.64 | 33.36 | 33.13 | 33.00 | 29.69 |
| Eom | 32.17 | 32.53 | 28.05 | 29.13 | 26.85 | 29.51 | 30.85 | 32.78 | 33.48 | 33.29 | 32.85 | 29.74 |

392939N0842317.1 (revised). Local number Bu-3. American Rolling Mill Co. Crawford St. and South Ave., Middletown. Drilled unused artesian well in gravel, diam 24 in, depth 250 ft, cased to 250. Led 670 ft (revised) above msl. MP floor of instrument shelter, 1.08 ft above led. Highest water level 76.77 below led, May 12, 1959; lowest 147.27 below led, Apr. 4, 1955. Records available: 1955-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 112.13 | 113.97 | 116.47 | 119.51 | 114.72 | 114.50 | 115.44 | 113.26 | 114.27 | 117.22 | 119.43 | 116.40 |
| 10 | 112.67 | 114.13 | 118.30 | 119.80 | 113.89 | 114.16 | 115.91 | 112.60 | 112.67 | 113.70 | 120.10 | 116.52 |
| 15 | 113.03 | 114.52 | 119.89 | 121.18 | 115.65 | 114.09 | 115.17 | 111.57 | 112.38 | 115.07 | ..... | 113.92 |
| 20 | 113.13 | 114.62 | 119.68 | 121.43 | 116.30 | 114.22 | 115.26 | 114.12 | 112.06 | 113.30 | 117.22 | 114.99 |
| 25 | 113.59 | 114.73 | 119.58 | 121.40 | 115.40 | 114.47 | 115.64 | 115.13 | 112.05 | 115.39 | 114.12 | 115.27 |
| Eom | 113.98 | 114.47 | 119.55 | 116.40 | 114.87 | 114.96 | 113.61 | 114.77 | 116.09 | 118.23 | 116.17 | 116.65 |
| 1964 | | | | | | | | | | | | |
| 5 | 116.05 | 123.75 | 119.47 | 120.10 | 121.15 | 123.12 | 122.04 | 128.58 | 129.62 | 128.88 | 128.47 | ..... |
| 10 | 118.37 | ..... | 119.49 | 123.10 | 122.74 | 122.81 | 123.35 | 129.69 | 129.59 | 128.66 | 129.22 | 131.82 |
| 15 | 118.18 | ..... | 119.17 | 123.93 | 122.39 | 123.09 | 121.86 | 130.54 | 129.63 | 128.13 | 129.87 | 131.24 |
| 20 | 119.70 | 119.33 | 118.97 | 124.77 | 122.46 | 123.53 | 121.16 | 129.72 | 129.51 | 128.50 | ..... | 131.63 |
| 25 | 121.32 | 118.40 | 118.97 | 124.03 | 122.06 | 122.17 | 124.37 | 130.08 | 128.72 | 127.80 | 130.06 | 131.75 |
| Eom | ..... | 119.77 | 120.18 | 122.80 | 122.52 | 124.03 | 126.89 | 129.90 | 128.90 | 127.19 | 130.31 | 132.70 |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | 124.79 | 129.42 | ..... | 125.10 | 124.72 | 123.88 | ..... | ..... | 111.92 | 113.37 | 109.53 |
| 10 | 131.02 | 126.57 | 132.96 | 124.67 | 125.91 | 124.46 | 123.71 | 118.54 | 112.51 | 111.86 | 114.04 | ..... |
| 15 | 130.38 | 126.20 | 130.67 | 123.67 | 126.47 | 124.24 | 123.51 | 116.26 | 112.62 | 111.68 | 113.56 | 106.87 |
| 20 | 130.48 | 126.45 | 129.59 | 123.19 | 126.96 | 124.15 | 123.16 | ..... | 112.55 | 112.92 | 111.14 | 105.43 |
| 25 | 130.67 | 128.35 | 128.49 | 122.39 | 124.61 | 123.77 | ..... | 112.95 | 112.44 | 113.20 | 110.64 | 104.91 |
| Eom | 128.20 | 128.76 | 125.89 | 122.28 | 124.93 | 123.89 | 121.25 | 111.53 | 112.15 | 113.11 | 110.47 | 106.50 |
| 1966 | | | | | | | | | | | | |
| 5 | 106.87 | 104.10 | 107.55 | 105.62 | 98.70 | 97.39 | 98.05 | 103.96 | 104.96 | 107.70 | 116.31 | 108.90 |
| 10 | 107.26 | 105.36 | 107.89 | 105.16 | 98.63 | 97.47 | ..... | 107.29 | 105.74 | 111.11 | 113.30 | ..... |
| 15 | 106.49 | 106.45 | 108.28 | 100.78 | 98.25 | 99.61 | ..... | 106.57 | 106.25 | 113.19 | 112.44 | 106.08 |
| 20 | 105.12 | 107.09 | 107.95 | 99.74 | ..... | 99.52 | 99.13 | 105.59 | 106.55 | 113.41 | 111.33 | 106.32 |
| 25 | ..... | 107.29 | 107.24 | 100.72 | 97.76 | 98.98 | 102.25 | 104.14 | 106.82 | 113.75 | 108.59 | 106.48 |
| Eom | 103.73 | 107.24 | 106.25 | 98.86 | 97.61 | 98.49 | 104.67 | 104.69 | 105.38 | 114.71 | 109.38 | 105.26 |
| 1967 | | | | | | | | | | | | |
| 5 | 106.37 | 106.77 | 106.77 | 105.96 | 103.07 | 100.40 | ..... | ..... | 103.60 | 103.05 | 101.64 | 102.28 |
| 10 | 107.35 | 106.88 | 106.99 | 105.09 | 102.15 | ..... | ..... | ..... | 104.44 | ..... | 102.16 | 102.13 |
| 15 | 107.89 | 105.55 | 105.80 | 103.43 | 101.58 | 100.88 | ..... | 100.07 | 104.61 | ..... | 102.66 | 102.02 |
| 20 | 108.08 | 106.20 | 105.76 | 102.25 | 102.26 | ..... | ..... | 101.20 | 105.00 | 105.24 | 102.86 | 102.18 |
| 25 | 107.20 | ..... | 106.13 | 102.83 | 100.68 | 100.16 | ..... | 99.36 | 104.00 | ..... | 102.51 | 102.24 |
| Eom | 106.42 | 106.80 | 106.30 | 103.66 | 100.52 | 100.04 | 103.05 | 102.10 | 101.35 | 102.46 | 103.75 | 102.13 |

392553N0843149.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 31.90 | 33.55 | 32.45 | 28.85 | 29.40 | 29.75 | 31.20 | 31.05 | 32.45 | 34.45 | 36.00 | 36.20 |
| 10 | 32.25 | 33.25 | 25.95 | 29.30 | 31.00 | 30.15 | 31.40 | 31.00 | 33.00 | 35.15 | 35.80 | 36.20 |
| 15 | 32.55 | 33.65 | 27.00 | 29.30 | 31.15 | 30.85 | 31.05 | 30.75 | 33.10 | 35.05 | 35.75 | ..... |
| 20 | 33.05 | 33.90 | 26.05 | 30.05 | 31.30 | 31.60 | 31.25 | 31.00 | 34.20 | 35.60 | 35.90 | ..... |
| 25 | ..... | 34.00 | 26.45 | 30.05 | 31.10 | 31.60 | 31.15 | 31.65 | 33.25 | 35.80 | 35.80 | 34.70 |
| Eom | 33.95 | 34.50 | 27.85 | 30.00 | 30.10 | 31.40 | 30.95 | 32.10 | 33.10 | 36.10 | 35.95 | 34.70 |
| 1964 | | | | | | | | | | | | |
| 5 | 34.40 | 35.05 | 34.55 | 31.05 | 29.90 | 34.20 | 34.30 | 34.75 | 34.90 | 34.20 | 36.25 | 36.35 |
| 10 | 35.40 | 34.75 | 32.65 | 30.70 | 31.35 | 34.40 | 34.10 | 34.55 | 34.65 | 34.30 | 35.85 | 36.45 |
| 15 | 35.75 | 34.85 | 27.30 | 30.75 | 32.15 | 34.40 | 33.90 | 34.50 | 34.55 | 35.10 | 35.65 | 36.80 |
| 20 | 36.50 | 34.30 | 30.15 | 31.00 | 32.85 | 34.30 | 34.10 | 34.45 | 34.05 | 35.05 | 36.20 | 36.75 |
| 25 | 35.40 | 34.80 | 30.50 | 26.40 | 33.40 | 34.60 | 34.75 | 34.25 | 34.25 | 34.80 | 36.25 | 37.20 |
| Eom | 35.00 | 34.70 | 30.85 | 28.20 | 33.75 | 34.75 | 34.40 | 34.50 | 33.90 | 35.10 | 35.95 | 37.45 |
| 1965 | | | | | | | | | | | | |
| 5 | 36.85 | 36.80 | 34.80 | 35.50 | 33.85 | 37.25 | 37.95 | 38.45 | 38.70 | 39.00 | 37.10 | 36.70 |
| 10 | 36.50 | 36.40 | 34.45 | 34.90 | 34.45 | 37.90 | 37.75 | 38.90 | 39.20 | 38.00 | 37.20 | 37.05 |
| 15 | 37.10 | 35.15 | 34.70 | 33.40 | 35.05 | 38.10 | 37.75 | 38.55 | 39.30 | 37.20 | 37.65 | 37.60 |
| 20 | 37.20 | 35.10 | 34.95 | 32.15 | 35.50 | 38.15 | 37.95 | 38.40 | 38.85 | 37.30 | 37.25 | 36.80 |
| 25 | 37.00 | 35.30 | 35.15 | 33.05 | 35.70 | 38.35 | 38.70 | 38.80 | 38.85 | 36.75 | 37.05 | 36.55 |
| Eom | 36.80 | 35.20 | 35.20 | 32.50 | 36.15 | 38.45 | 38.65 | 39.15 | 39.40 | 36.75 | 36.55 | 36.80 |
| 1966 | | | | | | | | | | | | |
| 5 | 36.35 | 37.40 | 35.50 | 35.55 | 32.90 | 33.40 | 35.80 | 35.65 | 35.25 | 34.40 | 35.25 | 33.05 |
| 10 | 34.55 | 37.45 | 35.55 | 34.45 | 32.50 | 33.60 | 36.15 | 35.95 | 35.55 | 34.70 | 35.00 | 32.25 |
| 15 | 34.00 | 36.50 | 36.15 | 34.60 | 31.95 | 33.80 | 35.70 | 35.80 | 35.55 | 35.60 | 33.40 | 30.10 |
| 20 | 35.25 | 36.55 | 36.60 | 34.95 | 32.30 | 33.30 | 35.05 | 36.40 | 35.25 | 35.70 | 33.55 | 30.75 |
| 25 | 35.55 | 36.25 | 37.20 | 34.50 | 32.50 | 34.40 | 34.10 | 36.20 | 34.75 | 35.70 | 33.60 | 31.85 |
| Eom | 36.75 | 36.00 | 36.70 | 33.00 | 32.60 | 34.90 | 34.00 | 36.00 | ..... | 34.65 | 33.55 | 32.50 |
| 1967 | | | | | | | | | | | | |
| 5 | 33.60 | 33.70 | 35.00 | 32.60 | 31.60 | 33.20 | 34.50 | 35.70 | 36.10 | 36.40 | 35.55 | 34.90 |
| 10 | 33.65 | 33.95 | 33.25 | 31.70 | 31.00 | 34.30 | 34.70 | 35.70 | 35.40 | 35.75 | 36.00 | 34.05 |
| 15 | 34.15 | 34.20 | 32.90 | 31.70 | 30.05 | 35.05 | 35.10 | 36.10 | 35.35 | 35.70 | 35.70 | 33.65 |
| 20 | 34.55 | 34.10 | 32.90 | 32.85 | 29.95 | 35.35 | 35.30 | 35.90 | 35.50 | 36.60 | 35.65 | 34.30 |
| 25 | 34.75 | 34.85 | 32.30 | 32.20 | 31.20 | 35.25 | 35.45 | 36.25 | 35.40 | 36.45 | 35.20 | 33.15 |
| Eom | 34.35 | 34.80 | 32.40 | 31.75 | 32.35 | 35.15 | 35.50 | 36.15 | 35.75 | 36.10 | 36.00 | 33.65 |

392515N0843220.1. Local number Bu-5. City of Hamilton. Drilled unused artesian well in gravel, diam 18 in, depth 110 ft, cased to 110. Lsd 590 ft (revised) 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: 1954-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 19.45 | 24.75 | 17.95 | 15.40 | 16.35 | 17.05 | 22.40 | 23.15 | 22.20 | 19.80 | 23.80 | 20.75 |
| 10 | 19.60 | 20.25 | 12.90 | 20.00 | 21.35 | 22.10 | 22.40 | 18.70 | 22.60 | 23.50 | 20.40 | 20.95 |
| 15 | 19.65 | 20.85 | ..... | 15.80 | 20.80 | 17.75 | 21.70 | 18.65 | 19.00 | 24.40 | 20.40 | 20.40 |
| 20 | 19.90 | 20.95 | 13.30 | 16.50 | 20.95 | 23.00 | 22.90 | 18.10 | 23.00 | 20.25 | 23.15 | 20.65 |
| 25 | 21.05 | 20.75 | ..... | 20.50 | 17.70 | 22.90 | 22.20 | 18.25 | 19.00 | 20.60 | 20.45 | 20.30 |
| Eom | 25.45 | 24.75 | 14.70 | 16.55 | 17.00 | 18.90 | 23.10 | 18.60 | 19.10 | 20.50 | 20.70 | 20.60 |
| 1964 | | | | | | | | | | | | |
| 5 | 24.85 | 25.00 | 19.95 | ..... | 14.65 | 23.15 | 24.10 | 25.55 | 24.85 | 24.00 | 27.55 | 21.20 |
| 10 | 24.85 | 20.45 | 19.65 | ..... | 16.30 | 24.20 | 22.85 | 24.40 | 26.25 | 20.40 | 24.80 | 25.60 |
| 15 | 20.85 | 20.45 | 14.05 | 16.00 | 16.65 | 23.50 | 18.95 | 25.30 | 25.90 | 25.15 | 21.00 | 25.00 |
| 20 | 21.10 | 20.35 | 20.40 | 15.85 | 17.40 | 19.10 | 23.75 | 25.00 | 20.45 | 24.95 | 24.65 | 21.25 |
| 25 | 20.85 | 20.45 | ..... | 12.00 | 22.15 | 23.45 | 24.85 | 24.10 | 23.70 | 20.35 | 24.65 | 21.75 |
| Eom | 20.45 | 20.45 | ..... | 13.50 | 17.90 | 24.60 | 24.35 | 24.50 | 20.25 | 20.55 | 20.85 | 26.15 |
| 1965 | | | | | | | | | | | | |
| 5 | 25.15 | 25.65 | ..... | 22.80 | 21.30 | 25.20 | 24.75 | 26.55 | 22.60 | 22.90 | 27.05 | 21.45 |
| 10 | 20.80 | 20.80 | ..... | 18.20 | 22.75 | 25.80 | 25.60 | 27.30 | 27.35 | 21.95 | 26.60 | 21.70 |
| 15 | 24.95 | 23.15 | ..... | 17.25 | 22.60 | 26.15 | 26.25 | 26.75 | 26.95 | 26.30 | 25.50 | 25.55 |
| 20 | 21.35 | 19.90 | 17.60 | 16.90 | 22.50 | 26.50 | 25.20 | 26.90 | 26.65 | 26.95 | 22.00 | 21.70 |
| 25 | 25.40 | 22.35 | ..... | 17.20 | 23.10 | 26.80 | 26.45 | 26.40 | 22.90 | 25.40 | 25.20 | 22.30 |
| Eom | 20.85 | 18.45 | 22.50 | 20.20 | 19.30 | 27.40 | 27.00 | 26.85 | 23.10 | 21.70 | 20.30 | 22.45 |
| 1966 | | | | | | | | | | | | |
| 5 | 26.50 | 26.70 | 20.20 | 20.40 | 23.35 | 24.45 | 27.10 | ..... | 21.50 | 20.90 | 27.15 | 20.05 |
| 10 | 25.40 | 21.95 | 20.10 | 20.20 | 23.60 | 24.80 | 26.15 | 25.70 | 26.55 | 21.10 | 21.95 | 18.80 |
| 15 | 20.60 | 24.90 | 20.15 | 24.10 | 18.90 | 23.75 | 25.20 | 25.35 | 26.15 | 25.50 | 24.90 | 17.50 |
| 20 | 25.50 | 20.45 | 20.45 | 25.30 | 22.70 | 24.65 | 26.00 | 21.85 | 21.60 | 25.45 | 20.60 | 18.00 |
| 25 | 21.05 | 20.30 | 24.70 | 24.85 | 23.80 | 25.30 | ..... | 26.10 | 21.10 | 26.40 | 20.65 | 18.70 |
| Eom | 25.30 | 20.20 | 20.80 | 23.30 | 23.15 | 25.70 | ..... | 26.25 | 21.45 | 25.20 | 25.55 | 18.90 |
| 1967 | | | | | | | | | | | | |
| 5 | ..... | 19.50 | 20.80 | 22.60 | 18.00 | 21.20 | 19.80 | 25.45 | 26.35 | 24.30 | 21.35 | 20.90 |
| 10 | ..... | 24.60 | 23.65 | 17.80 | 18.70 | 23.15 | 22.50 | 21.40 | 21.60 | 21.15 | 26.50 | 20.10 |
| 15 | ..... | 24.60 | 23.70 | ..... | ..... | 25.20 | 24.10 | 25.30 | 24.40 | 21.00 | 21.70 | 19.70 |
| 20 | ..... | 20.10 | 23.55 | 22.60 | 15.85 | 25.20 | 25.20 | 21.40 | 24.60 | 27.40 | 26.10 | 25.80 |
| 25 | 24.50 | 24.75 | 18.45 | 18.35 | 21.10 | 24.40 | 24.55 | 26.80 | 21.25 | 21.75 | 21.25 | 19.90 |
| Eom | 19.95 | 24.50 | 18.10 | 18.05 | 17.20 | 24.20 | 25.30 | 25.60 | 21.30 | 24.85 | 22.45 | 19.90 |

392048N0843114.1 (revised). Local number Bu-8. City of Hamilton. Drilled unused artesian well in gravel, diam 6 in, depth 200 ft, cased to 200. Lsd 630 ft (revised) above msl. MP floor of instrument shelter, 4.13 ft above lsd. Highest water level 38.20 below lsd, June 8, 1947; lowest 71.70 below lsd, Oct. 24, 1944. Records available: 1944-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 60.75 | 61.60 | 61.68 | 53.25 | 53.48 | 53.66 | 54.91 | 56.30 | 57.47 | 58.83 | 59.83 | 61.23 |
| 10 | 60.83 | 61.56 | 59.77 | 53.22 | 53.43 | 53.79 | 55.25 | 56.47 | 57.70 | 58.96 | 60.20 | 61.50 |
| 15 | 61.30 | 62.03 | 58.45 | 53.39 | 53.48 | 54.17 | 55.34 | 56.77 | 58.00 | 59.16 | 60.55 | 61.73 |
| 20 | 61.22 | 61.67 | 56.04 | 53.60 | 53.57 | 54.22 | 55.47 | 56.88 | 58.00 | 59.24 | 60.62 | 61.88 |
| 25 | 61.43 | 61.99 | 54.45 | 53.58 | 53.54 | 54.56 | 55.83 | 57.07 | 58.31 | 59.47 | 60.86 | 61.80 |
| Eom | 61.53 | 61.95 | 53.64 | 53.62 | 53.75 | 54.77 | 55.99 | 57.36 | 58.65 | 59.70 | 61.00 | 62.29 |
| 1964 | | | | | | | | | | | | |
| 5 | 62.35 | 63.15 | 64.38 | 58.65 | 52.50 | 52.97 | 53.20 | 54.47 | 55.86 | 57.42 | 58.90 | 60.16 |
| 10 | 62.67 | 63.66 | ..... | 57.15 | 52.50 | 53.03 | 53.29 | 54.51 | 55.98 | 57.71 | 58.81 | 60.27 |
| 15 | 62.71 | 63.70 | ..... | 56.45 | 53.02 | 52.78 | 53.59 | 54.85 | 56.40 | 57.68 | 59.24 | 60.52 |
| 20 | 62.98 | 63.81 | ..... | 56.12 | 52.97 | 52.85 | 53.61 | 55.02 | 56.60 | 58.10 | 59.56 | 60.51 |
| 25 | 62.93 | 63.85 | ..... | 54.20 | 52.95 | 53.04 | 53.80 | 55.32 | 56.96 | 58.28 | 59.33 | 60.66 |
| Eom | 63.19 | 64.11 | ..... | 52.78 | 52.85 | 53.00 | 54.24 | 55.62 | 57.15 | 58.50 | 59.93 | 61.10 |
| 1965 | | | | | | | | | | | | |
| 5 | 60.83 | 60.93 | 56.35 | 53.86 | 49.46 | 51.03 | 52.50 | 54.13 | 55.63 | 56.61 | 57.14 | 57.79 |
| 10 | 60.93 | 60.67 | 55.29 | 53.20 | 49.99 | 51.28 | 52.82 | 54.40 | 55.84 | 56.76 | 57.21 | 58.07 |
| 15 | 60.80 | 59.50 | 54.66 | 52.00 | 50.27 | 51.46 | 53.00 | 54.54 | 55.91 | 56.92 | 57.32 | 58.19 |
| 20 | 60.91 | 58.50 | 54.61 | 51.41 | 50.41 | 51.65 | 53.40 | 54.90 | 56.00 | 56.84 | 57.41 | 58.18 |
| 25 | 60.86 | 57.97 | 54.26 | 50.96 | 50.43 | 52.08 | 53.56 | 54.92 | 56.20 | 56.90 | 57.60 | 58.69 |
| Eom | 60.82 | 57.50 | 54.23 | 49.72 | 50.74 | 52.25 | 53.73 | 55.17 | 56.18 | 57.08 | 57.95 | 58.57 |
| 1966 | | | | | | | | | | | | |
| 5 | 58.27 | 57.30 | 55.34 | 55.31 | 54.58 | 53.47 | 54.14 | 55.12 | 56.31 | 57.79 | 59.00 | ..... |
| 10 | 57.39 | 57.30 | 55.53 | 55.54 | 54.45 | 53.60 | 54.42 | 55.36 | 56.56 | 57.81 | 59.00 | ..... |
| 15 | 56.96 | 57.30 | 55.27 | 55.54 | 53.89 | 53.63 | 54.53 | 55.53 | 56.89 | 58.04 | 59.03 | ..... |
| 20 | 57.01 | 57.30 | 55.38 | 55.46 | 53.68 | ..... | 54.66 | 55.75 | 56.93 | 58.38 | 59.06 | ..... |
| 25 | 57.14 | 55.77 | 55.43 | 55.41 | 53.58 | ..... | 54.76 | 55.90 | 57.28 | 58.49 | 58.80 | ..... |
| Eom | 57.09 | ..... | 55.20 | 55.28 | 53.58 | 54.04 | 55.01 | 56.15 | 57.52 | 58.50 | 59.19 | 58.06 |
| 1967 | | | | | | | | | | | | |
| 5 | 58.02 | 57.79 | ..... | 56.14 | 54.54 | 50.61 | 51.66 | ..... | 54.66 | 56.13 | 57.84 | 58.81 |
| 10 | 57.91 | 57.64 | ..... | 55.70 | 53.68 | 50.54 | 51.65 | 53.27 | 54.96 | 56.54 | 57.86 | 58.74 |
| 15 | 57.93 | 57.64 | ..... | 55.41 | 52.70 | 50.75 | 53.01 | 53.49 | 55.12 | 56.67 | 58.23 | 59.08 |
| 20 | 57.83 | 57.67 | ..... | 55.46 | 51.12 | ..... | ..... | 53.69 | 55.34 | 57.00 | 58.36 | 58.99 |
| 25 | 57.85 | ..... | 56.61 | 55.25 | 50.54 | ..... | ..... | 53.98 | 55.75 | 57.11 | 58.50 | 58.65 |
| Eom | 57.95 | ..... | 56.35 | 54.64 | 50.63 | ..... | ..... | 54.45 | 56.01 | 57.43 | 58.72 | 58.71 |

391759N0842614.1 (revised). Local number Bu-9. Fox Paper Co. Crescentville. Drilled unused artesian well in gravel, diam 25 in, depth 90 ft, cased to 90. Lsd 586.89 ft (revised) above msl. MP floor of instrument shelter, 1.71 ft above lsd. Well rejuvenated July 25, 1965. MP changed July 25, 1965, 4.66 ft above lsd. Highest water level 3.77 below lsd, Jan. 27, 1949; lowest 24.40 below lsd, Mar. 16, 1954. Records available: 1938-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 20.71 | 19.82 | 15.92 | 10.08 | 12.14 | ..... | 16.45 | 17.95 | 18.33 | 20.03 | 20.88 | 22.00 |
| 10 | 20.64 | 19.38 | 12.13 | 10.90 | 12.49 | ..... | 17.00 | 18.03 | 18.62 | 20.13 | 21.25 | 22.25 |
| 15 | 20.54 | 19.60 | 12.28 | 11.59 | 12.44 | 14.81 | 17.25 | 18.10 | 19.01 | 20.33 | 21.70 | 22.45 |
| 20 | 20.00 | 18.82 | 8.14 | 11.35 | 12.68 | 15.46 | 17.35 | 17.97 | 18.94 | 20.33 | 21.63 | 22.31 |
| 25 | 20.25 | 18.90 | 9.93 | 11.62 | 12.75 | 15.82 | 17.60 | 18.06 | 19.35 | 20.57 | 21.85 | 22.15 |
| Eom | 20.22 | 18.68 | 9.93 | 11.92 | 13.22 | 16.28 | 17.56 | 18.29 | 19.76 | 20.78 | 21.72 | 22.95 |
| 1964 | | | | | | | | | | | | |
| 5 | 22.95 | 22.55 | 19.78 | 8.98 | 9.66 | 13.17 | 13.23 | 16.00 | 17.86 | ..... | ..... | ..... |
| 10 | 23.37 | 23.04 | 16.25 | 8.24 | 10.60 | ..... | 13.62 | 16.20 | 18.03 | ..... | ..... | ..... |
| 15 | 23.22 | 22.93 | 10.13 | 9.75 | 11.33 | 11.82 | 14.03 | 16.58 | 18.50 | ..... | ..... | ..... |
| 20 | 23.17 | 22.97 | 10.00 | 9.05 | 11.85 | 11.35 | 14.24 | 16.77 | 18.68 | ..... | ..... | ..... |
| 25 | 22.80 | 22.79 | 10.33 | 7.87 | 12.22 | 12.08 | 14.72 | 17.17 | 19.00 | ..... | ..... | ..... |
| Eom | 22.94 | 23.17 | 11.05 | 8.57 | 12.70 | 12.47 | 15.55 | 17.61 | 18.90 | ..... | ..... | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.78 | 19.31 | 19.51 | 18.90 | 16.95 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.15 | 19.37 | ..... | ..... | 17.07 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.30 | 19.10 | ..... | ..... | 16.88 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.66 | 18.98 | 19.08 | 17.45 | 16.62 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.11 | 18.65 | 19.05 | 18.98 | 17.35 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.31 | 18.91 | 19.05 | ..... | 16.74 |
| 1966 | | | | | | | | | | | | |
| 5 | 14.30 | 13.71 | 12.29 | 13.09 | 10.66 | 12.53 | 14.94 | 16.37 | 18.07 | 19.24 | 20.30 | 17.77 |
| 10 | 12.00 | 13.22 | 12.82 | 13.41 | 11.35 | 12.83 | 15.43 | 16.69 | 18.43 | 19.16 | 19.65 | 16.93 |
| 15 | 12.24 | 12.16 | 12.74 | 13.04 | 11.33 | 13.10 | 15.33 | 17.03 | 18.72 | 19.49 | ..... | 16.26 |
| 20 | 12.64 | 12.14 | 12.94 | 13.03 | 11.63 | 13.53 | 15.27 | 17.35 | 18.74 | 19.76 | ..... | 15.50 |
| 25 | 13.01 | 11.85 | 12.93 | 12.58 | 12.03 | 14.09 | 15.68 | 17.57 | 18.96 | 19.80 | 17.97 | 15.63 |
| Eom | 13.33 | 12.08 | 12.77 | 11.81 | 12.45 | 14.53 | 16.14 | 17.90 | 19.09 | 19.78 | 18.37 | 15.50 |
| 1967 | | | | | | | | | | | | |
| 5 | 15.46 | 14.80 | 14.75 | 12.84 | 12.68 | 12.17 | 14.40 | 16.10 | ..... | ..... | 20.50 | 20.05 |
| 10 | 15.63 | 14.61 | 14.00 | 13.04 | 10.39 | 12.47 | 14.31 | 16.51 | ..... | ..... | 20.19 | 19.55 |
| 15 | 15.60 | 14.75 | 13.83 | 13.03 | 9.95 | 12.87 | 14.88 | 16.75 | ..... | ..... | 20.38 | 19.45 |
| 20 | 15.55 | 14.68 | 13.40 | 13.39 | 9.95 | 13.40 | 15.17 | 16.96 | 18.67 | 20.03 | 20.32 | 18.70 |
| 25 | 15.53 | 15.29 | 12.73 | 13.16 | 10.61 | 14.05 | 15.39 | 17.33 | ..... | 20.04 | 20.38 | 17.55 |
| Eom | 15.54 | 14.95 | 12.93 | 12.90 | 11.78 | 14.16 | 15.83 | 17.84 | ..... | 20.27 | 20.46 | 17.13 |

Champaign County

400625N0834758.1 (revised). Local number Ch-1. State of Ohio. 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 10.10 below lsd, Jan. 25, 1966. Records available: 1948-67. Measurement discontinued August 1967.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 9, 1963 | 9.25 | Feb. 25, 1964 | 9.74 | Mar. 22, 1965 | 7.92 | May 16, 1966 | 9.06 |
| Feb. 5 | 9.25 | Mar. 24 | 7.74 | Apr. 19 | 7.18 | June 13 | 9.13 |
| Mar. 4 | 9.30 | Apr. 2 | 8.52 | May 17 | 7.77 | July 11 | 9.65 |
| Apr. 3 | 7.86 | May 19 | 7.90 | June 14 | 8.15 | Aug. 8 | 9.65 |
| May 1 | 8.50 | June 17 | 8.28 | July 12 | 8.52 | Nov. 1 | 9.66 |
| June 21 | 8.82 | July 14 | 8.55 | Aug. 9 | 8.85 | 28 | 9.65 |
| July 24 | 8.85 | Aug. 11 | 8.75 | Sept. 8 | 8.69 | Jan. 23, 1967 | 9.65 |
| Aug. 21 | 9.15 | Sept. 8 | 9.05 | Oct. 4 | 8.39 | Feb. 20 | 8.65 |
| Sept. 16 | 9.28 | Oct. 6 | 9.25 | Nov. 1 | 9.30 | Mar. 20 | 7.47 |
| Oct. 10 | 9.40 | Nov. 3 | 9.26 | Dec. 26 | 8.82 | Apr. 18 | 7.75 |
| Nov. 4 | 9.50 | 30 | 9.37 | Jan. 25, 1966 | 10.10 | May 16 | 6.84 |
| Dec. 3 | 9.55 | Dec. 28 | 9.30 | Feb. 21 | 9.02 | June 13 | 7.95 |
| Jan. 2, 1964 | 9.55 | Jan. 27, 1965 | 8.60 | Mar. 21 | 9.61 | July 11 | 7.27 |
| 27 | 9.48 | Feb. 23 | 8.37 | Apr. 18 | 9.83 | | |

Clark County

395545N0835115.1 (revised). Local number Cl-2. City of Springfield. 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: 1949-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 6.73 | 6.66 | .... | 5.80 | 6.08 | 6.24 | 6.68 | 6.88 | 6.97 | 7.07 | 7.00 | 7.03 |
| 10 | 6.72 | .... | .... | 6.21 | 6.24 | 6.37 | 6.75 | 6.75 | 7.01 | 7.05 | 7.00 | 7.08 |
| 15 | 6.37 | .... | 4.95 | 6.21 | 6.20 | 6.39 | 6.68 | 6.85 | 7.04 | 7.04 | 7.04 | .... |
| 20 | 6.56 | .... | .... | 6.21 | 6.27 | 6.50 | 6.55 | 6.75 | 7.08 | 7.01 | 7.02 | .... |
| 25 | 6.33 | .... | .... | 6.21 | 6.35 | 6.60 | 6.78 | 6.88 | 7.09 | 7.03 | 7.02 | .... |
| Eom | 6.66 | .... | .... | 6.21 | 6.00 | 6.61 | 6.82 | 6.93 | 7.07 | 7.01 | .... | .... |
| 1964 | | | | | | | | | | | | |
| 5 | 7.07 | 6.93 | 3.70 | 4.77 | 5.61 | 6.39 | 6.62 | 6.72 | 7.06 | 7.02 | 6.96 | 6.63 |
| 10 | 6.93 | 6.95 | .... | 5.33 | 5.92 | 6.45 | 6.60 | 6.80 | 7.10 | 7.00 | 6.96 | 6.87 |
| 15 | .... | .... | .... | 5.83 | 5.98 | 6.43 | 6.60 | 6.85 | 7.09 | 7.00 | 6.94 | 6.64 |
| 20 | .... | .... | .... | 5.06 | 6.17 | 6.53 | 6.67 | 6.93 | 6.95 | .... | 6.82 | 6.77 |
| 25 | .... | 6.99 | 5.74 | 4.36 | 6.28 | 6.60 | 6.70 | 6.95 | 7.02 | .... | 6.95 | 6.70 |
| Eom | 6.87 | 6.99 | 6.01 | 4.96 | 6.31 | 6.66 | 6.77 | 7.04 | 7.00 | .... | 6.92 | 6.73 |
| 1965 | | | | | | | | | | | | |
| 5 | 6.46 | 6.51 | 4.45 | 6.09 | 5.73 | 6.30 | 6.66 | 6.95 | 6.99 | 5.51 | 6.64 | 6.69 |
| 10 | 6.44 | 5.04 | 5.20 | 4.64 | 5.88 | .... | 6.66 | 6.83 | 7.04 | 5.87 | 6.62 | 6.76 |
| 15 | 6.66 | 5.47 | 5.70 | 4.70 | 6.04 | .... | 6.95 | 6.94 | 6.82 | 5.73 | 6.66 | 6.74 |
| 20 | 6.67 | 6.06 | 5.96 | 5.52 | 6.13 | 6.49 | 6.66 | 6.94 | 6.82 | 5.72 | 6.72 | .... |
| 25 | 5.59 | 6.05 | 5.44 | 4.05 | 5.95 | 6.49 | 6.66 | 6.94 | 6.75 | 6.14 | 6.77 | 6.74 |
| Eom | 6.30 | 5.60 | 5.91 | 5.11 | 6.22 | 6.49 | 6.95 | 7.07 | 6.84 | 6.55 | 6.67 | 6.78 |
| 1966 | | | | | | | | | | | | |
| 5 | 5.97 | 6.76 | 5.96 | 6.52 | 6.14 | 6.53 | 6.72 | 6.93 | 6.90 | 6.93 | 6.78 | 6.54 |
| 10 | 5.98 | 5.76 | 6.21 | 6.54 | 6.17 | 6.40 | 6.77 | 6.93 | 6.97 | 6.86 | 5.95 | 4.65 |
| 15 | 6.40 | 4.96 | 6.28 | 6.49 | 5.96 | 6.51 | 6.54 | 6.54 | 6.97 | 6.93 | 6.11 | 5.46 |
| 20 | 6.56 | 5.82 | 6.37 | 6.55 | 6.04 | 6.63 | 6.77 | 6.78 | 6.78 | 6.87 | 6.44 | 6.00 |
| 25 | 6.68 | 6.18 | 6.36 | 5.92 | 6.27 | 6.70 | 6.85 | 6.85 | 6.84 | 6.95 | 6.61 | 6.25 |
| Eom | .... | 6.28 | 6.46 | 5.59 | 6.41 | 6.67 | 6.85 | 6.94 | 6.89 | 6.91 | 6.55 | 6.54 |
| 1967 | | | | | | | | | | | | |
| 5 | 6.54 | 6.11 | 5.60 | 5.65 | 5.82 | 6.06 | 6.44 | 6.65 | 6.94 | 6.89 | 6.26 | 5.36 |
| 10 | 6.59 | 6.43 | 4.63 | 5.63 | 4.75 | 6.17 | 6.53 | 6.74 | 6.88 | 6.78 | 6.51 | 5.63 |
| 15 | 6.63 | 6.48 | 4.80 | 5.75 | 4.84 | 6.39 | 6.61 | 6.83 | 7.00 | 6.83 | 6.52 | 5.70 |
| 20 | 6.73 | 6.44 | 5.40 | 5.97 | 5.36 | 6.41 | 6.60 | .... | 6.97 | 6.86 | 6.36 | 5.67 |
| 25 | 6.64 | 6.51 | 5.29 | 5.63 | 5.78 | 6.37 | 6.70 | .... | 6.95 | 6.92 | 6.26 | 5.13 |
| Eom | 6.56 | 6.56 | 5.34 | 5.94 | 5.79 | 6.22 | 6.56 | 6.81 | 6.78 | 6.87 | 6.50 | 5.93 |

Coshocton County

401735N0815238.1 (revised). Local number Cs-2. Coshocton Waterworks. Coshocton. Drilled unused water-table well in gravel, diam 6 in, depth 40 ft, cased to 40. Lsd 740 ft (revised) above msl. MP floor of instrument shelter, 8.50 ft above lsd. Highest water level 0.43 below lsd, Feb. 21, 1951; lowest 16.07 below lsd, Sept. 18, 1966. Records available: 1949-67. Water levels affected by pumping. See page 194 for years 1964-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | 10.00 | 6.09 | 12.35 | 13.60 | 14.50 | 13.69 | 14.55 | 14.62 | 14.54 | 15.37 |
| 10 | 14.72 | ..... | 6.73 | 10.57 | 13.19 | 13.49 | 14.43 | 14.02 | 14.70 | 14.56 | 14.55 | 15.02 |
| 15 | ..... | ..... | 5.78 | 12.07 | 13.60 | 13.28 | 14.25 | 14.23 | 14.47 | 14.88 | 14.78 | ..... |
| 20 | 13.78 | 13.40 | 6.46 | 12.26 | 13.52 | 13.91 | 14.14 | 14.45 | 14.87 | 14.86 | 15.18 | ..... |
| 25 | ..... | 13.18 | 5.20 | 11.27 | 13.59 | 14.20 | 14.26 | 14.26 | 14.92 | 14.89 | 15.64 | ..... |
| Eom | ..... | 13.67 | 5.26 | 12.15 | 13.15 | 14.25 | 14.25 | 14.48 | 15.11 | 14.75 | 15.14 | ..... |

Fairfield County

394544N0822710.1 (revised). Local number F-1a. State of Ohio. West Rushville. 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 19.81 below lsd, Mar. 1-4, 1964. Records available: 1946-67. Formerly observations were taken in well 200 ft north. Both wells are referenced to same datum.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 17.16 | 15.64 | 15.27 | 11.81 | 13.20 | 14.79 | 16.14 | 17.09 | 17.64 | 18.20 | 18.71 | 19.05 |
| 10 | 16.93 | 15.49 | 14.59 | 11.92 | 13.45 | 14.98 | 16.35 | 17.19 | 17.75 | 18.29 | 18.74 | 19.12 |
| 15 | 16.70 | 15.36 | 14.03 | 12.33 | 13.72 | 15.23 | 16.51 | 17.27 | 17.84 | 18.40 | 18.85 | 19.21 |
| 20 | 16.41 | 15.33 | 13.08 | 12.55 | 13.97 | 15.46 | 16.62 | 17.36 | 17.92 | 18.48 | 18.95 | 19.31 |
| 25 | 16.09 | 15.30 | 12.09 | 12.83 | 14.27 | 15.74 | 16.74 | 17.44 | 18.04 | 18.57 | 19.02 | 19.42 |
| Eom | 15.70 | 15.29 | 11.76 | 13.02 | 14.55 | 15.94 | 16.94 | 17.56 | 18.09 | 18.67 | 19.02 | 19.59 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 19.58 | 19.78 | 19.74 | 14.79 | 11.23 | 14.00 | 15.00 | 16.43 | 17.39 | 18.16 | 18.81 | 19.17 |
| 10 | 19.60 | 19.72 | 19.15 | 13.68 | 11.43 | 14.30 | 15.24 | 16.62 | 17.56 | 18.29 | 18.89 | 19.24 |
| 15 | 19.65 | 19.76 | 17.23 | 13.20 | 11.92 | 14.62 | 15.42 | 16.74 | 17.72 | 18.36 | 18.98 | 19.18 |
| 20 | 19.65 | 19.74 | 16.24 | 13.08 | 12.51 | 14.76 | 15.67 | 16.92 | 17.86 | 18.45 | 18.95 | 19.18 |
| 25 | 19.69 | 19.77 | 15.50 | 11.79 | 13.03 | 14.81 | 15.90 | 17.10 | 17.95 | 18.59 | 19.08 | 19.09 |
| Eom | 19.78 | 19.80 | 15.30 | 11.34 | 13.57 | 14.94 | 16.23 | 17.25 | 18.06 | 18.71 | 19.16 | 18.74 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 18.29 | 15.92 | 13.71 | 11.61 | 10.12 | 13.23 | 15.46 | 16.68 | 17.55 | 17.15 | 16.38 | 16.38 |
| 10 | 17.67 | 15.68 | 13.37 | 11.29 | 10.39 | 13.70 | 15.68 | 16.85 | 17.61 | 17.01 | 16.28 | 16.38 |
| 15 | 17.18 | 15.17 | 13.05 | 10.98 | 10.97 | 14.09 | 15.88 | 17.03 | 17.59 | 16.90 | 16.27 | 16.33 |
| 20 | 16.79 | 14.55 | 12.73 | 10.70 | 11.52 | 14.48 | 16.14 | 17.20 | 17.52 | 16.78 | 16.26 | 16.33 |
| 25 | 16.52 | 14.23 | 12.40 | 10.44 | 12.15 | 14.87 | 16.38 | 17.36 | 17.41 | 16.58 | 16.30 | 16.35 |
| Eom | 16.15 | 14.10 | 11.93 | 10.20 | 12.77 | 15.22 | 16.52 | 17.52 | 17.37 | 16.48 | 16.35 | 16.38 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 16.32 | 14.56 | 12.98 | 13.29 | 12.54 | 12.55 | 14.84 | 14.35 | 14.59 | 15.23 | 15.59 | 13.74 |
| 10 | 15.63 | 14.73 | 12.90 | 13.45 | 11.89 | 12.91 | 15.11 | 14.46 | 14.76 | 15.21 | 15.62 | 13.59 |
| 15 | 14.86 | 14.66 | 12.85 | 13.62 | 11.76 | 13.34 | 15.15 | 14.58 | 14.94 | 15.14 | 14.85 | 13.04 |
| 20 | 14.56 | 13.76 | 12.88 | 13.69 | 11.67 | 13.74 | 14.75 | 14.61 | 15.15 | 15.17 | 14.04 | 12.72 |
| 25 | 14.43 | 13.24 | 12.97 | 13.73 | 11.81 | 14.18 | 14.49 | 14.56 | 15.21 | 15.30 | 13.76 | 12.49 |
| Eom | 14.46 | 13.11 | 13.21 | 13.67 | 12.15 | 14.54 | 14.33 | 14.53 | 15.23 | 15.51 | 13.61 | 12.35 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 12.54 | 14.28 | 13.36 | 10.16 | 12.01 | 11.45 | 14.07 | 15.70 | 16.83 | 17.56 | 17.95 | 17.76 |
| 10 | 12.86 | 13.95 | 12.55 | 10.43 | 12.18 | 11.90 | 14.46 | 15.85 | 16.99 | 17.62 | 17.97 | 17.67 |
| 15 | 13.17 | 13.93 | 11.33 | 10.75 | 12.16 | 12.41 | 14.78 | 16.03 | 17.13 | 17.71 | 17.94 | 17.47 |
| 20 | 13.49 | 13.66 | 10.63 | 11.11 | 11.50 | 12.84 | 15.08 | 16.23 | 17.28 | 17.78 | 17.89 | 17.07 |
| 25 | 13.81 | 13.46 | 10.22 | 11.44 | 11.05 | 13.26 | 15.27 | 16.40 | 17.40 | 17.85 | 17.81 | 16.68 |
| Eom | 14.18 | 13.36 | 10.14 | 11.75 | 11.12 | 13.67 | 15.50 | 16.58 | 17.47 | 17.95 | 17.81 | 16.20 |

Fayette County

393153N0833220.1 (revised). Local number Fa-1. Martha Slagle. Near Jasper Mills. 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 3.26 below lsd, Apr. 28, 1964; lowest 12.85 below lsd, Jan. 17, 19, 1954. Records available: 1946-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 5 | 8.61 | 8.07 | 8.20 | 7.20 | 6.92 | 7.31 | 8.10 | 8.65 | 8.76 | 9.33 | 9.93 | 10.62 |
| 10 | 8.52 | 8.03 | 7.96 | 7.25 | 7.03 | 7.40 | 8.16 | 8.52 | 8.80 | 9.53 | 10.06 | 10.67 |
| 15 | 8.47 | 8.25 | 7.82 | 7.70 | 6.95 | 7.58 | 8.22 | 8.65 | 8.86 | 9.73 | 10.25 | 10.71 |
| 20 | 8.29 | 8.39 | 7.23 | 7.35 | 6.98 | 7.74 | 8.24 | 8.45 | 8.97 | 9.79 | 10.25 | 10.79 |
| 25 | 8.24 | 8.41 | 7.14 | 7.14 | 7.07 | 8.33 | 8.26 | 8.44 | 9.10 | 9.85 | 10.80 | 10.89 |
| Eom | 8.11 | 8.35 | 7.15 | 6.83 | 7.25 | 8.09 | 8.40 | 8.56 | 9.39 | 10.00 | 10.42 | 11.08 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|------|------|------|------|------|------|------|-------|-------|-------|
| 5 | 10.98 | 10.25 | 9.66 | 4.04 | 3.50 | 4.95 | 5.73 | 7.01 | 8.29 | 9.79 | 11.01 | 11.34 |
| 10 | 11.09 | 10.15 | 8.97 | 3.58 | 3.79 | 5.16 | 5.90 | 7.03 | 8.65 | 9.98 | 11.31 | 11.45 |
| 15 | 10.86 | 10.06 | 8.38 | 3.79 | 4.05 | 5.05 | 6.06 | 7.18 | 9.23 | 10.23 | 11.65 | 11.27 |
| 20 | 10.73 | 9.99 | 8.00 | 3.61 | 4.41 | 5.15 | 6.28 | 7.47 | 9.01 | 10.45 | 11.14 | 11.02 |
| 25 | 10.49 | 9.98 | 7.84 | 3.39 | 4.50 | 5.36 | 6.43 | 7.65 | 9.23 | 10.54 | 11.17 | 10.66 |
| Eom | 10.40 | 9.98 | 4.94 | 3.44 | 4.72 | 5.55 | 6.66 | 8.08 | 9.45 | 10.85 | 11.32 | 10.36 |

1965

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 9.62 | 6.99 | 5.73 | 5.51 | 5.50 | 6.71 | 6.82 | 6.76 | 6.79 | 6.16 | 5.93 | 5.98 |
| 10 | 8.91 | 6.52 | 5.55 | 5.45 | 5.77 | 6.33 | 6.87 | 6.79 | 6.92 | 6.16 | 5.93 | 6.09 |
| 15 | 8.37 | 6.24 | 5.49 | 5.24 | 5.94 | 6.44 | 6.97 | 6.77 | 6.45 | 6.16 | 5.91 | 5.99 |
| 20 | 7.89 | 5.99 | 5.59 | 5.38 | 6.15 | 6.42 | 7.04 | 6.85 | 6.37 | 6.16 | 5.83 | 5.99 |
| 25 | 7.64 | 5.83 | 5.42 | 5.33 | 6.21 | 7.04 | 7.15 | 6.87 | 6.07 | 6.16 | 5.85 | 6.28 |
| Eom | 7.34 | 5.91 | 5.48 | 5.33 | 6.57 | 6.92 | 6.69 | 6.89 | 5.88 | 6.16 | 5.86 | 6.26 |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 5.92 | 5.92 | 5.57 | 6.13 | 5.72 | 6.30 | 6.95 | 7.64 | 8.37 | 8.43 | 8.84 | 7.11 |
| 10 | 5.47 | 5.83 | 5.72 | 6.31 | 5.65 | 6.42 | 6.94 | 7.45 | 8.22 | 8.52 | 8.62 | 8.50 |
| 15 | 5.36 | 5.71 | 5.75 | 6.21 | 5.36 | 6.59 | 7.06 | 7.49 | 8.18 | 8.65 | 8.20 | 6.62 |
| 20 | 5.46 | 5.56 | 5.90 | 6.17 | 5.65 | 6.85 | 7.27 | 7.72 | 8.08 | 8.65 | 7.72 | 6.26 |
| 25 | 5.54 | 5.50 | 6.03 | 6.20 | 5.79 | 6.97 | 7.09 | 7.84 | 8.33 | 8.73 | 7.50 | 6.36 |
| Eom | 5.80 | 5.54 | 6.02 | 5.84 | 6.15 | 6.95 | 7.30 | 8.28 | 8.36 | 8.82 | 7.30 | 6.37 |

393153N0833220.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 6.43 | 6.42 | 6.22 | 5.73 | 6.40 | 6.28 | 7.19 | 7.80 | 8.70 | 9.64 | 10.28 | 10.25 |
| 10 | 6.61 | 6.26 | 6.00 | 5.80 | 6.13 | 6.69 | 8.33 | 8.05 | 8.92 | 9.67 | 10.30 | 10.08 |
| 15 | 6.61 | 6.20 | 5.82 | 5.83 | 5.81 | 6.77 | 7.31 | 8.05 | 9.20 | 9.87 | 10.29 | 9.92 |
| 20 | 6.73 | 6.25 | 5.66 | 5.99 | 5.79 | 6.74 | 7.53 | 8.29 | 9.18 | 9.90 | 10.25 | 9.57 |
| 25 | 6.81 | 6.28 | 5.60 | 6.22 | 5.78 | 6.93 | 7.39 | 8.44 | 9.22 | 10.12 | 10.02 | 8.98 |
| Eom | 6.60 | 6.26 | 5.71 | 6.30 | 6.00 | 6.95 | 7.70 | 8.51 | 9.32 | 10.45 | 10.40 | 8.58 |

Franklin County

395117N0825733.1 (revised). Local number Fr-3. R. Hann. Drilled test water-table well in gravel, diam 12 in, depth 60 ft. Lsd 712.94 ft (revised) 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 1953 flood); lowest 20.75 below lsd, July 7, 1966. Records available: 1946-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 12.45 | 12.20 | 8.80 | 11.00 | 11.77 | 12.34 | 12.55 | 12.77 | 12.86 | 13.00 | 12.99 | 13.03 |
| 10 | 12.51 | 12.17 | 8.08 | 11.47 | 12.00 | 12.17 | 12.67 | 12.63 | 12.92 | 13.02 | 13.00 | 12.96 |
| 15 | 11.61 | 12.48 | 9.30 | 11.77 | 12.01 | 12.28 | 12.60 | 12.76 | 12.83 | 13.06 | 13.00 | 13.02 |
| 20 | 12.09 | 12.43 | 6.99 | 11.75 | 12.20 | 12.48 | 12.71 | 12.58 | 12.92 | 13.04 | 13.03 | 13.05 |
| 25 | 12.40 | 12.53 | 9.73 | 11.00 | 12.35 | 12.57 | 12.63 | 12.79 | 12.95 | 12.97 | 13.03 | 13.06 |
| Eom | 12.49 | 12.59 | 10.36 | 11.51 | 12.15 | 12.60 | 12.66 | 12.70 | 13.00 | 13.05 | 12.96 | 13.07 |

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 12.95 | 12.97 | 11.58 | 8.36 | 10.67 | 12.07 | 12.06 | 12.16 | 12.96 | 13.00 | 13.03 | 12.58 |
| 10 | 12.73 | 12.92 | 5.18 | 10.26 | 11.40 | 11.80 | 12.27 | 12.59 | 13.02 | 13.01 | 13.04 | 12.78 |
| 15 | 12.99 | 13.13 | 7.66 | 11.23 | 9.84 | 10.55 | 12.35 | 12.69 | 13.07 | 12.90 | 13.05 | 12.46 |
| 20 | 13.03 | 13.14 | 10.25 | 10.66 | 11.07 | 10.49 | 12.40 | 12.75 | 12.81 | 13.03 | 12.92 | 12.75 |
| 25 | 12.61 | 13.21 | 10.71 | 8.46 | 11.59 | 10.87 | 12.48 | 12.74 | 12.94 | 13.03 | 12.93 | 12.83 |
| Eom | 12.83 | 13.21 | 11.23 | 10.00 | 11.84 | 11.84 | 12.55 | 12.87 | 12.90 | 12.97 | 12.89 | 12.49 |

| | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1965 | | | | | | | | | | | |
| 5 | 12.25 | 12.42 | 9.90 | 11.33 | 10.87 | 12.00 | 12.62 | 12.71 | 12.41 | 12.15 | 12.02 | 12.27 |
| 10 | 12.31 | 11.12 | 10.02 | 8.10 | 11.36 | 11.78 | 12.63 | 12.40 | 12.53 | 11.92 | 12.07 | 12.36 |
| 15 | 12.52 | 10.31 | 11.05 | 9.05 | 11.68 | 12.19 | 12.64 | 12.71 | 11.65 | 12.03 | 12.03 | 12.16 |
| 20 | 12.71 | 11.39 | 11.10 | 10.46 | 11.81 | 12.39 | 12.78 | 12.34 | 11.70 | 12.19 | 12.07 | 12.27 |
| 25 | 11.25 | 11.78 | 10.50 | 9.50 | 11.79 | 12.50 | 12.47 | 12.69 | 12.04 | 10.75 | 12.20 | 12.35 |
| Eom | 11.99 | 10.87 | 10.67 | 9.75 | 11.94 | 12.59 | 12.76 | 12.72 | 12.34 | 11.72 | 12.13 | 12.30 |

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 10.49 | 12.27 | 11.18 | 11.89 | 10.72 | 12.08 | 20.33 | 14.25 | 12.70 | 12.94 | 12.38 | 12.91 |
| 10 | 10.61 | 11.85 | 11.50 | 11.98 | 10.53 | 12.07 | 20.60 | 13.45 | 12.96 | 13.00 | 11.92 | 10.77 |
| 15 | 11.48 | 8.96 | 11.45 | 11.97 | 10.46 | 12.46 | 15.55 | 12.19 | 13.00 | 13.02 | 11.68 | 10.10 |
| 20 | 11.89 | 10.38 | 11.71 | 12.12 | 10.98 | 12.94 | 17.14 | 12.38 | 12.96 | 12.96 | 12.31 | 11.69 |
| 25 | 12.05 | 11.28 | 11.62 | 11.53 | 11.35 | 13.63 | 18.26 | 12.59 | 12.85 | 12.95 | 12.66 | 12.58 |
| Eom | 12.23 | 11.46 | 11.80 | 10.12 | 11.68 | 16.34 | 15.56 | 12.88 | 12.93 | 12.90 | 12.78 | 13.18 |

| | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 1987 | | | | | | | | | | | |
| 5 | 13.64 | 12.19 | 12.20 | 11.46 | 10.89 | 11.70 | 12.18 | 12.37 | 12.78 | 12.76 | 12.28 | 11.60 |
| 10 | 13.85 | 12.65 | 9.20 | 11.44 | 9.62 | 11.88 | 12.31 | 12.53 | 12.88 | 12.73 | 12.50 | 11.54 |
| 15 | 14.04 | 12.88 | 9.52 | 10.92 | 9.60 | 11.99 | 12.20 | 12.70 | 12.91 | 12.82 | 12.40 | 11.26 |
| 20 | 14.17 | 12.53 | 10.85 | 11.78 | 10.14 | 11.80 | 12.06 | 12.76 | 12.95 | 12.86 | 12.08 | 11.44 |
| 25 | 14.16 | 12.95 | 10.50 | 11.08 | 11.02 | 12.06 | 11.98 | 12.77 | 13.03 | 12.70 | 12.28 | 11.05 |
| Eom | 13.41 | 13.05 | 10.65 | 11.41 | 11.36 | 11.98 | 12.05 | 12.77 | 12.48 | 12.81 | 12.44 | 11.58 |

400101N0830218.1 (revised). Local number Fr-10. State of Ohio. Ohio State University Farms. Drilled unused artesian well in gravel, diam 4 in, depth 75 ft, cased to 75. Lsd 780 ft (revised) 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: 1944-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 45.73 | ..... | 45.17 | 44.98 | 44.70 | 44.90 | 45.77 | 46.50 | 46.96 | 47.06 | 46.98 | 47.05 |
| 10 | 45.45 | ..... | 45.36 | 44.75 | 44.80 | 44.98 | 45.85 | 46.50 | 47.08 | 47.06 | 47.00 | 47.10 |
| 15 | 45.80 | ..... | 45.37 | 44.75 | 44.78 | 45.20 | 45.80 | 46.70 | 47.09 | 47.08 | 47.20 | 47.26 |
| 20 | 45.50 | ..... | 44.77 | 44.80 | 44.86 | 45.33 | 45.90 | 46.61 | 47.03 | 47.01 | 47.15 | 47.10 |
| 25 | 45.85 | ..... | 44.90 | 44.86 | 44.81 | 45.64 | 46.23 | 46.74 | 46.97 | 47.07 | 47.18 | 46.90 |
| Eom | 45.52 | ..... | 45.05 | 44.70 | 44.97 | 45.80 | 46.29 | 46.95 | 46.97 | 47.05 | 46.98 | 47.26 |

| | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 46.96 | 46.75 | 46.86 | 45.18 | 44.19 | 44.25 | 44.37 | 45.38 | 46.07 | 46.37 | 46.34 | 46.38 |
| 10 | 47.08 | 46.81 | 46.30 | 44.93 | 44.11 | 44.45 | 44.47 | 45.38 | 46.17 | 46.43 | 46.27 | 46.40 |
| 15 | 47.00 | 46.86 | 46.13 | 44.85 | 44.26 | 44.15 | 44.61 | 45.43 | 46.26 | 46.25 | 46.48 | 46.43 |
| 20 | 46.90 | 46.78 | 45.85 | 44.65 | 44.34 | 44.18 | 44.68 | 45.52 | 46.32 | 46.32 | 46.42 | 46.35 |
| 25 | 46.74 | 46.83 | 45.70 | 44.42 | 44.32 | 44.39 | 44.88 | 45.70 | 46.41 | 46.33 | 46.16 | 45.95 |
| Eom | 46.90 | 46.91 | 45.40 | 44.20 | 44.19 | 44.45 | 45.26 | 45.92 | 46.45 | 46.43 | 46.42 | 46.40 |

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 46.20 | 46.16 | 45.25 | 44.79 | 43.90 | 44.15 | 45.06 | 45.51 | 45.81 | 45.64 | 45.33 | 44.82 |
| 10 | 46.18 | 45.87 | 45.42 | 44.63 | 43.90 | 44.26 | 45.23 | 45.62 | 45.85 | 45.50 | 45.10 | 44.98 |
| 15 | 46.12 | 45.89 | 45.25 | 44.23 | 43.97 | 44.36 | 45.31 | 45.68 | 45.55 | 45.54 | 45.08 | 44.84 |
| 20 | 46.13 | 45.75 | 45.32 | 44.20 | 44.13 | 44.45 | 45.50 | 45.78 | 45.75 | 45.49 | 44.90 | 44.78 |
| 25 | 45.98 | 45.50 | 45.03 | 44.00 | 44.06 | 44.81 | 45.45 | 45.70 | 45.60 | 45.45 | 44.93 | 45.01 |
| Eom | 45.95 | 45.53 | 45.12 | 43.88 | 44.04 | 45.01 | 45.48 | 45.70 | 45.50 | 45.28 | 45.01 | 44.75 |

400101N0830218.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 44.74 | 44.48 | ..... | 43.52 | 43.93 | 43.91 | 44.90 | 45.26 | 45.66 | 45.90 | 45.79 | 45.40 |
| 10 | 44.68 | 44.30 | ..... | 43.75 | 43.83 | 44.05 | 45.12 | 45.36 | 45.83 | 45.73 | 45.62 | 45.13 |
| 15 | 44.42 | 44.40 | 44.20 | 43.84 | 43.62 | 44.13 | 45.12 | 45.43 | 45.83 | 45.83 | 45.64 | 45.08 |
| 20 | 44.53 | 44.39 | ..... | 43.85 | 43.58 | 44.49 | 45.14 | 45.54 | 45.79 | 45.84 | 45.62 | 44.74 |
| 25 | 44.47 | 44.02 | ..... | 43.92 | 43.73 | 44.70 | 45.15 | 45.54 | 45.87 | 45.77 | 45.30 | 44.84 |
| Eom | 44.35 | 43.99 | 43.50 | 44.05 | 43.80 | 44.82 | 45.26 | 45.72 | 45.86 | 45.52 | 45.30 | 44.78 |
| 1967 | | | | | | | | | | | | |
| 5 | 44.76 | 44.38 | 44.15 | 43.13 | 43.50 | 43.08 | 44.14 | 44.94 | 45.69 | 46.02 | 45.77 | ..... |
| 10 | 44.72 | 44.32 | 44.06 | 43.33 | 43.18 | 43.26 | 44.15 | 44.91 | 45.70 | 46.05 | 45.66 | 45.65 |
| 15 | 44.71 | 44.24 | 44.05 | 43.23 | 42.80 | 43.52 | 44.34 | 45.12 | 45.66 | 45.92 | 45.69 | ..... |
| 20 | 44.72 | 44.26 | 43.76 | 43.41 | 43.01 | 43.58 | 44.51 | 45.26 | 45.74 | 45.96 | 45.42 | 45.62 |
| 25 | 44.66 | 44.59 | 43.51 | 43.51 | 42.84 | 43.84 | 44.65 | 45.49 | 45.75 | ..... | 45.45 | ..... |
| Eom | 44.59 | 44.35 | 43.42 | 43.31 | 42.94 | 43.86 | 44.78 | 45.67 | 45.83 | 45.83 | 45.37 | 45.30 |

Fulton County

413501N0840017.1 (revised). Local number Fn-1. City of Delta. Drilled unused artesian well in gravel, diam 8 in, depth 130 ft, cased to 130. Lsd 735 ft (revised) above msl. MP floor of instrument platform, 1.40 ft above lsd. Highest water level 59.17 below lsd, Dec. 11, 1967; lowest 66.10 below lsd, Jan. 8, 1947. Records available: 1946-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 61.93 | 61.89 | 61.43 | 61.88 | 61.78 | 61.45 | ..... | 61.70 | 61.66 | 61.83 | 61.35 | 61.40 |
| 10 | 61.53 | 61.52 | 61.65 | 61.55 | 61.41 | 61.22 | ..... | 61.63 | 61.67 | 61.69 | 61.26 | 61.35 |
| 15 | 62.10 | 61.95 | 61.95 | 61.76 | 61.70 | 61.62 | ..... | 61.72 | 61.82 | 61.81 | 61.63 | 61.60 |
| 20 | 61.53 | 61.11 | 61.16 | 61.48 | 61.61 | ..... | 61.37 | 61.62 | 61.55 | 61.64 | 61.71 | 61.48 |
| 25 | 61.95 | 61.62 | 61.59 | 61.83 | 61.84 | ..... | 61.82 | 61.69 | 61.75 | 61.54 | 61.76 | 61.12 |
| Eom | 61.94 | 61.62 | 61.94 | 61.38 | 61.85 | ..... | 61.63 | 61.70 | 61.70 | 61.53 | 61.20 | 61.94 |
| 1964 | | | | | | | | | | | | |
| 5 | 61.32 | 60.93 | 61.07 | 61.31 | 61.17 | 61.03 | ..... | ..... | 61.06 | ..... | 61.11 | 61.12 |
| 10 | 61.52 | 61.28 | 61.08 | ..... | ..... | 61.05 | ..... | ..... | 60.93 | ..... | 60.90 | 61.13 |
| 15 | 61.33 | 61.10 | 61.05 | ..... | ..... | 61.06 | ..... | 61.02 | ..... | 61.03 | 61.24 | 61.15 |
| 20 | 61.04 | 61.00 | 61.17 | ..... | 61.25 | 60.86 | ..... | 60.86 | ..... | 61.02 | 60.69 | 61.14 |
| 25 | 60.56 | 61.02 | 60.91 | ..... | 61.13 | ..... | ..... | 60.90 | ..... | 61.04 | 60.86 | 60.41 |
| Eom | 61.28 | 61.12 | 61.15 | ..... | 61.02 | ..... | ..... | 61.02 | ..... | 61.25 | 61.22 | 61.23 |
| 1965 | | | | | | | | | | | | |
| 5 | 60.93 | 61.11 | 60.23 | 60.83 | 60.70 | 60.95 | 61.04 | 60.81 | 60.87 | 60.58 | 60.87 | 59.91 |
| 10 | 61.03 | 60.70 | 60.72 | 60.71 | 60.70 | 61.04 | 60.71 | 60.87 | 60.87 | 60.35 | 60.57 | 60.45 |
| 15 | 60.98 | 60.88 | 60.65 | 60.44 | 60.95 | 61.04 | 60.70 | 60.72 | 60.56 | 60.75 | 60.62 | 60.08 |
| 20 | 60.85 | 60.86 | 60.95 | 60.72 | 60.95 | 61.04 | 60.99 | 60.83 | 60.63 | ..... | 60.28 | 59.99 |
| 25 | 60.50 | 60.21 | 60.85 | 60.45 | 60.95 | 61.04 | 60.70 | 60.61 | 60.50 | ..... | 60.22 | 60.55 |
| Eom | 60.52 | 60.64 | 61.18 | 60.70 | 60.95 | 61.04 | 60.81 | 60.70 | 60.46 | 60.55 | 60.40 | 60.25 |
| 1966 | | | | | | | | | | | | |
| 5 | 60.49 | 60.66 | 60.92 | 59.85 | 60.35 | 60.28 | 60.19 | 60.37 | ..... | 60.61 | 60.58 | 60.37 |
| 10 | 60.41 | 60.35 | 60.92 | 60.31 | 60.60 | 60.41 | 60.30 | 60.34 | ..... | 60.19 | 60.32 | 60.36 |
| 15 | 60.34 | 60.77 | 60.47 | 60.46 | 60.30 | 60.24 | 60.55 | 60.31 | ..... | 60.33 | 60.76 | 60.47 |
| 20 | 60.61 | 60.97 | 60.40 | 60.26 | 60.18 | 60.49 | 60.45 | 60.50 | 60.86 | 60.54 | 60.74 | 59.96 |
| 25 | 60.61 | 60.34 | 60.29 | 60.41 | 60.33 | 60.49 | 60.48 | 60.39 | ..... | 60.63 | 60.24 | 60.23 |
| Eom | 60.31 | 60.37 | 59.92 | 60.55 | 60.42 | 60.38 | 60.49 | 60.50 | 60.25 | 60.13 | 60.22 | 60.25 |
| 1967 | | | | | | | | | | | | |
| 5 | 60.31 | 60.02 | 59.94 | 59.89 | 60.27 | 60.15 | 60.15 | 60.03 | 60.28 | 59.90 | 59.95 | 59.80 |
| 10 | 60.28 | 59.80 | 60.01 | 60.13 | 59.88 | 59.85 | 59.85 | 60.06 | 60.25 | 59.83 | 59.88 | 59.70 |
| 15 | 60.20 | 59.70 | 60.40 | 59.85 | 59.86 | 59.95 | 60.03 | 60.10 | 60.10 | 59.93 | 60.03 | 60.01 |
| 20 | 60.40 | 59.94 | 60.30 | 60.19 | 60.19 | 59.96 | 60.11 | 59.86 | 59.89 | 59.85 | 59.93 | 59.91 |
| 25 | 60.23 | 60.44 | 60.13 | 60.27 | 59.95 | 60.05 | 59.82 | 60.12 | 60.02 | 59.56 | 59.27 | 59.45 |
| Eom | 60.18 | 60.20 | 60.15 | 59.89 | 60.15 | 59.78 | 59.83 | 60.27 | 59.78 | 59.81 | 59.88 | 59.81 |

Greene County

394411N0835613.1 (revised). Local number Gr-1. City of Xenia. Drilled unused artesian well in gravel, diam 30 in, depth 77 ft, cased to 77. Lsd 818.88 ft (revised) above msl. MP floor of instrument shelter, 4.50 ft above lsd. Highest water level 0.95 above lsd, Mar. 10, 1964 (water level higher but could not be recorded during January 1959 flood); lowest 21.60 below lsd, July 7, 1966. Records available: 1944-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|------|-------|------|------|------|------|------|-------|------|------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 8.70 | 7.50 | ..... | 4.90 | 5.60 | 5.75 | 6.15 | 6.55 | 6.70 | 7.95 | 8.25 | 7.60 |
| 10 | 8.80 | 7.60 | 4.15 | 5.05 | 5.90 | 5.70 | 6.30 | 6.40 | 6.85 | 7.30 | 7.15 | 8.10 |
| 15 | ..... | 7.95 | 4.55 | 5.15 | 5.80 | 5.85 | 6.20 | 6.25 | 6.90 | 7.25 | 7.25 | 9.40 |
| 20 | 7.75 | 7.55 | 3.40 | 4.45 | 5.90 | 6.00 | 6.10 | 6.05 | 8.10 | 7.30 | 8.25 | ..... |
| 25 | 7.75 | 8.05 | 4.60 | 4.75 | 5.65 | 6.75 | 6.85 | 6.00 | 7.25 | 7.55 | 7.90 | 9.95 |
| Eom | 7.70 | 8.10 | 4.65 | 5.25 | 5.75 | 6.15 | 7.45 | 6.50 | 7.35 | 7.15 | 7.80 | 10.30 |

394411N0835613.1--Continued

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 9.80 | 9.65 | 5.05 | 4.75 | 4.95 | 6.65 | 7.95 | 11.20 | 12.15 | 10.65 | 11.45 | 9.90 |
| 10 | 9.55 | 9.55 | .95 | 6.65 | 7.55 | 7.40 | 8.90 | 11.45 | 12.05 | 11.20 | 11.45 | 11.10 |
| 15 | 10.05 | 9.65 | 3.60 | 7.05 | 6.85 | 6.85 | 8.65 | 10.85 | 11.20 | 11.70 | 11.20 | 10.20 |
| 20 | 9.65 | 9.80 | 4.50 | 2.95 | 7.75 | 7.15 | 9.50 | 11.85 | 10.35 | 11.45 | 10.70 | 10.95 |
| 25 | 9.20 | 10.00 | 6.00 | 6.00 | 7.70 | 7.15 | 10.45 | 10.95 | 10.60 | 11.40 | 11.30 | 10.60 |
| Eom | 9.55 | 9.75 | 6.00 | 5.55 | 6.45 | 9.00 | 10.35 | 12.15 | 10.40 | 11.30 | 10.70 | 10.35 |
| 1965 | | | | | | | | | | | | |
| 5 | 9.70 | 11.05 | 8.55 | 11.85 | 12.65 | 16.60 | 16.25 | 15.00 | 15.00 | 14.15 | 14.00 | 14.90 |
| 10 | 10.35 | 9.55 | 8.95 | 10.00 | 13.35 | 15.20 | 14.65 | ..... | 15.60 | ..... | 14.30 | 15.40 |
| 15 | ..... | 8.45 | 9.85 | 9.25 | 15.15 | 15.90 | 15.45 | 15.55 | 12.95 | ..... | 14.25 | 15.20 |
| 20 | 11.20 | 10.05 | 10.25 | 10.25 | 15.15 | 16.90 | 15.55 | 15.50 | 12.95 | ..... | 14.90 | 15.45 |
| 25 | 9.55 | 10.65 | 12.50 | 11.15 | 17.25 | 17.50 | 15.70 | 15.05 | 13.30 | 12.90 | 14.65 | 15.85 |
| Eom | 10.25 | 10.35 | 11.80 | 9.75 | 15.90 | 19.05 | 15.45 | 15.15 | 13.85 | 13.40 | 14.90 | 15.55 |
| 1966 | | | | | | | | | | | | |
| 5 | 13.00 | 16.10 | 13.90 | ..... | 11.05 | 13.35 | 20.10 | 16.40 | 14.05 | 13.80 | 17.20 | ..... |
| 10 | 12.30 | 15.30 | ..... | ..... | 10.85 | 14.40 | 17.35 | 15.70 | 14.45 | 14.25 | 8.10 | ..... |
| 15 | 13.80 | 11.20 | ..... | ..... | 11.20 | 16.10 | 14.80 | 13.55 | 14.00 | 10.95 | ..... | ..... |
| 20 | 14.25 | 12.85 | ..... | 14.35 | 11.40 | 15.15 | 16.45 | 13.70 | 13.80 | 9.80 | 7.90 | ..... |
| 25 | 14.53 | 13.40 | ..... | 14.55 | 12.70 | 20.65 | 15.95 | 13.20 | 13.80 | 13.20 | 8.30 | ..... |
| Eom | 15.40 | 13.50 | 13.92 | 12.00 | 12.70 | 18.80 | 16.60 | 14.55 | 14.10 | 12.00 | 11.90 | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | 10.70 | 10.50 | ..... | 12.80 | 13.90 | 13.15 | 10.20 | 12.65 |
| 10 | ..... | ..... | ..... | ..... | 8.80 | 11.15 | 13.10 | 13.65 | 13.95 | 10.60 | 13.10 | 13.25 |
| 15 | ..... | ..... | ..... | ..... | 5.05 | 12.60 | 13.20 | 12.30 | 13.30 | 10.60 | 13.85 | 11.80 |
| 20 | ..... | ..... | ..... | 11.30 | 5.40 | 12.20 | 11.40 | 11.40 | 14.05 | 13.80 | 13.80 | 9.50 |
| 25 | 14.70 | ..... | 10.80 | 10.90 | 7.65 | ..... | 13.35 | 11.60 | 13.85 | 14.00 | 17.60 | 11.65 |
| Eom | ..... | 15.45 | 11.35 | 11.30 | 8.20 | 12.40 | 11.65 | 12.00 | 12.80 | 14.30 | 13.80 | 11.70 |

Hamilton County

391214N0844701.1. Local number H-1. R. Weber. 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 25.80 below lsd, Jan. 18-20, 1964. Records available: 1949-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 25.42 | 24.87 | 20.50 | 19.61 | 20.34 | 21.00 | 22.45 | 23.36 | 24.12 | 24.82 | 25.18 | 25.49 |
| 10 | 25.47 | 24.50 | 19.04 | 20.10 | 20.60 | 21.22 | 22.63 | 23.48 | 24.25 | 24.88 | 25.24 | 25.52 |
| 15 | 24.80 | 24.65 | 19.78 | 20.40 | 20.14 | 21.49 | 22.74 | 23.60 | 24.35 | 24.95 | 25.30 | 25.58 |
| 20 | 24.85 | 24.64 | 17.57 | 20.40 | 20.45 | 21.77 | 22.91 | 23.70 | 24.46 | 25.02 | 25.35 | 25.65 |
| 25 | 25.01 | 24.70 | 18.30 | 19.70 | 20.69 | 22.03 | 22.92 | 23.82 | 24.57 | 25.08 | 25.38 | 25.68 |
| Eom | 25.07 | 24.79 | 19.63 | 20.08 | 20.81 | 22.26 | 23.17 | 24.00 | 24.72 | 25.15 | 25.45 | 25.73 |
| 1964 | | | | | | | | | | | | |
| 5 | 25.75 | 25.55 | 23.75 | 19.53 | 19.57 | 21.36 | 22.30 | 23.33 | 24.18 | 24.73 | 25.15 | 25.24 |
| 10 | 25.79 | 25.53 | 18.25 | 19.85 | 19.97 | 21.56 | 22.20 | 23.51 | 24.30 | 24.80 | 25.20 | 25.38 |
| 15 | 25.77 | 25.62 | 16.05 | 20.27 | 20.25 | 21.50 | 22.51 | 23.64 | 24.42 | 24.87 | 25.25 | 24.90 |
| 20 | 25.80 | 25.64 | 19.82 | 18.00 | 20.56 | 21.65 | 22.72 | 23.80 | 24.48 | 24.93 | 25.27 | 25.03 |
| 25 | 25.35 | 25.72 | 20.41 | 18.56 | 20.84 | 21.90 | 22.96 | 23.90 | 24.57 | 25.00 | 25.33 | 25.05 |
| Eom | 25.46 | 25.75 | 20.72 | 18.88 | 21.19 | 22.12 | 23.15 | 24.05 | 24.64 | 25.09 | 25.36 | 24.80 |
| 1965 | | | | | | | | | | | | |
| 5 | 23.59 | 22.73 | 19.65 | 20.88 | 20.06 | 21.56 | 22.76 | 23.65 | 24.29 | 24.02 | 23.65 | 24.07 |
| 10 | 23.24 | 20.64 | 20.23 | 19.30 | 20.40 | 21.76 | 22.90 | 23.67 | 24.40 | 23.80 | 23.76 | 24.18 |
| 15 | 23.25 | 20.90 | 20.58 | 19.64 | 20.67 | 22.03 | 22.97 | 23.85 | 23.88 | 23.98 | 23.81 | 24.09 |
| 20 | 23.32 | 21.20 | 20.73 | 19.96 | 20.81 | 22.25 | 23.05 | 24.00 | 23.59 | 24.08 | 23.93 | 24.22 |
| 25 | 22.28 | 21.12 | 20.44 | 19.53 | 21.06 | 22.48 | 23.27 | 24.03 | 23.79 | 23.36 | 24.05 | 24.28 |
| Eom | 22.54 | 21.05 | 20.72 | 19.48 | 21.32 | 22.61 | 23.50 | 24.20 | 23.88 | 23.50 | 23.95 | 24.27 |
| 1966 | | | | | | | | | | | | |
| 5 | 22.73 | 23.01 | 21.21 | 21.65 | 20.36 | 21.23 | 22.27 | 23.18 | 23.93 | 24.47 | 24.83 | 23.18 |
| 10 | 22.49 | 22.08 | 21.42 | 21.75 | 20.29 | 21.24 | 22.44 | 23.33 | 24.06 | 24.56 | 23.27 | 19.90 |
| 15 | 22.47 | ..... | 21.38 | 21.42 | 20.32 | 21.39 | 22.34 | 23.34 | 24.18 | 24.60 | 23.55 | 21.23 |
| 20 | 22.47 | ..... | 21.46 | 21.53 | 20.35 | 21.63 | 22.63 | 23.49 | 24.24 | 24.63 | 23.58 | 21.51 |
| 25 | 22.68 | ..... | 21.45 | 20.98 | 20.74 | 21.87 | 22.83 | 23.61 | 24.26 | 24.74 | 23.62 | 21.76 |
| Eom | 22.86 | 21.53 | 21.53 | 20.35 | 21.00 | 22.09 | 23.01 | 23.80 | 24.37 | 24.82 | 22.97 | 21.73 |
| 1967 | | | | | | | | | | | | |
| 5 | 21.80 | 20.99 | 21.05 | 20.34 | 20.16 | 20.33 | 21.22 | 22.27 | 23.42 | 24.14 | 24.34 | 23.13 |
| 10 | 21.79 | 21.34 | 19.35 | 20.26 | 19.07 | 20.63 | 21.45 | 22.49 | 23.53 | 24.16 | 24.55 | 23.18 |
| 15 | 21.89 | 21.49 | 19.70 | 20.54 | 18.51 | 20.98 | 21.64 | 22.73 | 23.65 | 24.27 | 24.59 | 22.39 |
| 20 | 22.12 | 21.53 | 20.07 | 20.75 | 19.34 | 21.06 | 21.79 | 22.86 | 23.78 | 24.33 | 24.66 | 22.18 |
| 25 | 22.11 | 21.77 | 19.86 | 20.27 | 19.93 | 21.17 | 22.03 | 23.04 | 23.92 | 24.45 | 24.73 | 21.64 |
| Eom | 21.63 | 21.75 | 19.93 | 20.62 | 20.01 | 20.55 | 22.25 | 23.24 | 24.01 | 24.54 | 24.79 | ..... |

391733N0843924.1. Local number H-2. Southwestern Ohio Water Co. Drilled unused artesian well in gravel, diam 6 in, depth 89 ft, cased to 89. Lsd 535 ft (revised) 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 22.50 below lsd, Dec. 2, 1967. Records available: 1952-58, 1960-67. Water levels affected by pumping.

391733N0843924.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 19.24 | 19.66 | 18.00 | 12.25 | 14.93 | 16.25 | 17.64 | 18.03 | 18.53 | 18.59 | 18.82 | 19.07 |
| 10 | 19.38 | 18.86 | ..... | 13.90 | 15.48 | 16.43 | 17.50 | 18.26 | 18.55 | 19.44 | 18.79 | 19.10 |
| 15 | 18.87 | 18.80 | ..... | 14.76 | 15.42 | 16.60 | 17.85 | 18.27 | 18.60 | 19.11 | 19.05 | 19.42 |
| 20 | 19.07 | 18.93 | 8.40 | 14.79 | 15.85 | 17.33 | 17.91 | 18.27 | 18.53 | 18.88 | 19.30 | 19.75 |
| 25 | 19.48 | 19.05 | 9.44 | 13.60 | 16.08 | 17.45 | 17.68 | 18.32 | 18.47 | 18.81 | 19.34 | 19.80 |
| Eom | 19.85 | 19.14 | 11.21 | 14.13 | 16.03 | 17.75 | 17.96 | 18.58 | 18.29 | 18.77 | 19.16 | 19.68 |
| 1964 | | | | | | | | | | | | |
| 5 | 19.59 | 19.03 | 19.81 | 12.75 | 10.93 | 15.36 | 15.72 | 16.40 | 17.31 | 17.76 | 18.43 | 17.68 |
| 10 | 19.85 | 18.97 | 16.05 | 10.65 | 12.57 | 15.08 | 16.06 | 16.54 | 17.34 | 18.03 | 18.20 | 18.04 |
| 15 | 19.88 | 19.06 | 6.65 | 12.63 | 13.62 | 14.80 | 15.62 | 16.83 | 17.68 | 17.98 | 18.19 | 17.82 |
| 20 | 19.98 | 19.10 | 9.72 | 13.59 | 14.37 | 15.08 | 15.59 | 17.01 | 18.01 | 18.21 | 18.04 | 18.10 |
| 25 | 19.83 | 19.40 | 11.74 | 4.87 | 14.91 | 15.34 | 16.42 | ..... | 17.97 | 18.79 | 18.24 | 18.08 |
| Eom | 19.85 | 19.83 | 13.44 | 8.47 | 14.97 | 15.65 | 16.42 | ..... | 17.87 | 18.03 | 18.00 | 17.65 |
| 1965 | | | | | | | | | | | | |
| 5 | 16.93 | 17.52 | 15.52 | 16.07 | 13.21 | 15.65 | 17.21 | 18.54 | 18.78 | 18.68 | 18.49 | 19.21 |
| 10 | 16.98 | 17.37 | 13.66 | 14.93 | 14.00 | 16.06 | 17.93 | 18.34 | 18.54 | 18.33 | 18.78 | 19.22 |
| 15 | 17.52 | 14.91 | 14.30 | 13.50 | 14.94 | 16.58 | 17.71 | 18.55 | 18.39 | 18.61 | 18.93 | 19.05 |
| 20 | 17.77 | 15.65 | 15.34 | 13.93 | 15.14 | 17.04 | 17.83 | 18.56 | 18.07 | 18.71 | 19.06 | 19.22 |
| 25 | 17.78 | 16.09 | 15.33 | 14.73 | 15.51 | 17.47 | 17.96 | 18.64 | 18.36 | 18.19 | 19.17 | 19.22 |
| Eom | 17.21 | 16.12 | 15.53 | 12.05 | 15.46 | 17.76 | 18.22 | 18.68 | 18.65 | 18.22 | 19.09 | 19.31 |
| 1966 | | | | | | | | | | | | |
| 5 | 17.98 | 18.63 | 16.55 | 19.65 | 18.54 | 18.55 | 20.12 | 20.58 | 21.13 | 21.46 | 22.16 | 20.77 |
| 10 | 17.14 | 18.50 | 16.81 | 19.86 | 18.57 | 19.05 | 20.33 | 20.82 | 21.05 | 21.68 | 21.60 | 20.04 |
| 15 | 17.59 | 15.73 | 17.08 | 19.84 | 18.51 | 19.27 | 20.20 | 21.27 | 21.47 | 21.70 | 20.20 | 15.63 |
| 20 | 17.69 | 15.75 | 17.62 | 19.99 | 18.36 | 19.52 | 20.13 | 20.94 | 21.53 | 22.03 | 20.51 | 16.02 |
| 25 | 17.94 | 16.24 | 18.36 | 20.20 | 18.01 | 19.89 | 20.25 | 21.05 | 21.19 | 22.01 | 20.73 | 16.54 |
| Eom | 18.52 | 16.46 | 19.20 | 19.34 | 18.20 | 20.15 | 20.43 | 21.23 | 21.42 | 22.15 | 20.63 | 16.94 |
| 1967 | | | | | | | | | | | | |
| 5 | 17.41 | 18.48 | 20.24 | 17.67 | 17.62 | 15.06 | 17.98 | 19.57 | 20.71 | 21.82 | 22.06 | 21.75 |
| 10 | 17.81 | 18.91 | 17.58 | 17.44 | 15.11 | 16.00 | 18.13 | 19.81 | 21.01 | 21.86 | 22.15 | 20.75 |
| 15 | 18.25 | 19.24 | 16.17 | 18.51 | 12.89 | 16.74 | 18.73 | 20.01 | 21.35 | 21.87 | 22.28 | 20.26 |
| 20 | 18.68 | 19.49 | 16.73 | 19.16 | 12.22 | 17.14 | 19.25 | 20.19 | 21.43 | 22.08 | 22.31 | 20.66 |
| 25 | 18.87 | 19.90 | 17.14 | 18.79 | 13.54 | 17.46 | 19.63 | 20.27 | 21.54 | 22.26 | 22.30 | 20.02 |
| Eom | 18.86 | 20.18 | 17.37 | 18.15 | 14.27 | 17.69 | 19.73 | 21.54 | 21.68 | 22.25 | 22.43 | 19.99 |

390653N0844857.1. Local number H-5. E. I. du Pont de Nemours Co. Drilled unused water-table well in gravel, diam 8 in, depth 122 ft. Lsd 500 ft above msl. MP floor of instrument shelter, 1.00 ft above lsd. Highest water level 24.15 below lsd, Mar. 16, 1964; lowest 74.50 below lsd, Sept. 10, 11, 1956. Records available: 1956-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 53.85 | 52.40 | 48.40 | 45.35 | 51.70 | 51.00 | 50.75 | 50.45 | 50.05 | 50.85 | 50.50 | 50.25 |
| 10 | 54.20 | 52.40 | ..... | 49.30 | 51.50 | 50.10 | 50.80 | 49.95 | 50.15 | 50.75 | 50.30 | 50.30 |
| 15 | 51.75 | 52.50 | ..... | 51.20 | 51.20 | 50.05 | 50.55 | 50.00 | 50.60 | 50.85 | 50.45 | 50.65 |
| 20 | 52.15 | 53.15 | 29.20 | 51.70 | 51.20 | 50.75 | 50.65 | 49.90 | 50.60 | 50.80 | 50.45 | 50.70 |
| 25 | 52.75 | 52.30 | 30.05 | 50.90 | 51.40 | 50.80 | 50.65 | 50.00 | 50.80 | 51.05 | 50.45 | 50.75 |
| Eom | 54.00 | 52.80 | 39.85 | 51.90 | 51.00 | 50.90 | 50.55 | 50.00 | 50.85 | 50.65 | 50.30 | 51.15 |
| 1964 | | | | | | | | | | | | |
| 5 | 50.90 | 50.45 | 48.40 | 45.95 | 46.15 | 50.60 | 51.00 | 51.00 | 51.05 | 51.05 | 50.90 | 50.55 |
| 10 | 50.45 | 50.30 | 31.50 | 42.05 | 48.65 | 50.75 | 50.75 | 51.00 | 51.00 | 51.25 | 50.85 | 50.70 |
| 15 | 49.75 | 50.60 | ..... | 45.90 | 50.30 | 50.80 | 50.80 | 51.05 | 51.00 | ..... | 50.85 | 48.95 |
| 20 | 50.75 | 49.85 | 31.30 | 47.55 | 49.75 | 50.65 | 50.60 | 50.70 | 51.00 | ..... | 51.10 | 50.40 |
| 25 | 50.00 | 50.35 | 42.20 | 39.05 | 49.85 | 50.75 | 50.80 | 50.65 | 51.05 | ..... | 50.85 | 50.65 |
| Eom | 49.30 | 50.65 | 46.25 | 43.90 | 51.25 | 50.90 | 51.05 | 50.80 | 51.50 | ..... | 50.30 | 48.40 |
| 1965 | | | | | | | | | | | | |
| 5 | 46.65 | 49.90 | 45.50 | 46.00 | 48.85 | 50.55 | 50.70 | 51.30 | 52.00 | 52.15 | 52.00 | 51.90 |
| 10 | 48.75 | 47.60 | 45.35 | 45.25 | 49.55 | 50.60 | 50.80 | 51.10 | 52.05 | 52.00 | 51.95 | 51.95 |
| 15 | 46.55 | 44.50 | 47.70 | 40.20 | 49.80 | 50.60 | 50.75 | 51.00 | 52.10 | 52.00 | 51.90 | 51.70 |
| 20 | 49.95 | 48.25 | 47.05 | 44.95 | 50.30 | 50.55 | 50.90 | 51.20 | 52.10 | 51.90 | 51.75 | 51.90 |
| 25 | 49.75 | 49.40 | 48.40 | 46.75 | 50.50 | 50.60 | 50.70 | 51.05 | 52.20 | 51.60 | 51.80 | 52.05 |
| Eom | 47.10 | 47.20 | 40.60 | 44.25 | 50.30 | 50.70 | 51.65 | 52.05 | 52.05 | 51.95 | 51.85 | 51.90 |
| 1966 | | | | | | | | | | | | |
| 5 | 49.00 | 52.05 | 48.45 | 51.00 | 36.90 | 51.10 | 51.90 | 52.30 | 52.25 | 51.70 | 51.65 | 51.60 |
| 10 | 48.30 | 51.00 | 49.05 | 50.95 | 47.30 | 51.30 | 52.00 | 52.30 | 51.80 | 51.75 | 51.40 | 49.50 |
| 15 | 50.80 | 40.40 | 50.15 | 49.20 | 49.10 | 51.45 | 51.80 | 52.15 | 52.00 | 51.90 | 51.20 | 45.10 |
| 20 | 51.30 | 38.80 | 50.30 | 50.50 | 49.45 | 51.25 | 52.20 | 52.10 | 51.90 | 52.05 | 51.75 | 50.00 |
| 25 | 51.55 | 48.20 | 50.80 | 50.70 | 50.40 | 50.45 | 52.10 | 51.90 | 52.00 | 51.90 | 51.75 | 51.00 |
| Eom | 51.95 | 49.70 | 50.95 | 45.00 | 50.90 | 51.60 | 52.30 | 52.25 | 51.70 | 51.90 | 51.70 | 50.30 |
| 1967 | | | | | | | | | | | | |
| 5 | 51.20 | 50.00 | 49.50 | 47.90 | 49.30 | 51.00 | 50.90 | 52.00 | 52.20 | 52.20 | 51.95 | 50.20 |
| 10 | 51.60 | 51.15 | 34.00 | 48.40 | 41.30 | 50.85 | 51.05 | 52.10 | 52.30 | 52.15 | 52.15 | 50.45 |
| 15 | 51.70 | 51.55 | 33.85 | 49.10 | 41.25 | 51.00 | 51.70 | 52.00 | 52.40 | 52.05 | 51.60 | 49.65 |
| 20 | 51.90 | 51.00 | 34.65 | 49.55 | 37.80 | 50.70 | 51.70 | 52.10 | 52.45 | 52.00 | 51.80 | 51.25 |
| 25 | 51.65 | 49.60 | 41.55 | 48.65 | 51.20 | 51.00 | 51.75 | 52.20 | 52.40 | 51.80 | 51.75 | 49.70 |
| Eom | 51.10 | 50.40 | 46.20 | 48.80 | 58.25 | 50.70 | 51.90 | 52.15 | 52.15 | 51.75 | 51.50 | 51.10 |

391608N0842544.1. Local number H-6. Village of Glendale. Glendale Waterworks. Mosteller and Sharon Rds. Drilled unused artesian well in gravel, diam 8 in, depth 160 ft, cased to 160. Lsd 570.65 ft (revised) above lsd. MP top of recorder platform, 4.05 ft above lsd. Highest water level 13.35 below lsd, Apr. 29, 1939; lowest 82.00 below lsd, Feb. 1, 1963. Records available: 1938-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | 80.00 | 78.80 | 75.80 | 74.00 | ..... | 78.60 | ..... | 78.30 | 78.10 | 78.50 | 79.20 |
| 10 | | 78.80 | 78.40 | 76.70 | 74.30 | ..... | 77.40 | 77.70 | 78.60 | 78.40 | 77.40 | 79.70 |
| 15 | | 80.40 | 79.10 | 74.90 | 75.70 | 77.30 | 77.20 | 78.20 | 78.10 | 79.30 | 79.20 | 78.90 |
| 20 | | 79.90 | 78.30 | 75.20 | 75.20 | 78.00 | 75.70 | 77.80 | 78.70 | 77.40 | 79.10 | 79.80 |
| 25 | | 79.30 | 77.00 | 76.10 | 75.10 | 77.70 | 77.70 | 77.60 | 78.80 | 78.90 | 78.40 | 78.40 |
| Eom | 81.20 | 80.10 | 75.50 | 75.10 | ..... | 76.80 | 77.50 | 78.60 | 79.00 | 78.70 | 77.90 | 80.20 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 80.90 | ..... | 81.10 | ..... | ..... | ..... | 75.00 | 74.60 | 74.30 | ..... | 75.70 | ..... |
| 10 | 81.00 | ..... | 79.90 | ..... | ..... | 74.10 | 74.00 | 74.00 | 75.20 | 74.50 | ..... | 75.70 |
| 15 | 80.70 | ..... | 78.80 | 77.80 | ..... | ..... | 74.20 | 76.10 | 75.10 | 74.40 | ..... | 75.50 |
| 20 | 80.20 | 81.40 | 78.60 | 75.10 | ..... | ..... | 72.60 | 75.90 | 74.10 | 74.40 | 76.00 | 76.80 |
| 25 | ..... | 80.60 | 78.60 | 76.00 | ..... | ..... | 73.40 | 74.60 | 74.90 | 73.80 | 74.70 | 74.70 |
| Eom | ..... | 80.50 | 79.10 | 76.20 | ..... | ..... | 74.50 | 74.40 | 75.20 | ..... | 75.60 | 76.50 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 75.80 | ..... | 74.10 | 72.40 | 72.90 | 71.00 | 71.40 | 73.90 | 74.00 | 73.90 | 74.20 | 72.60 |
| 10 | 75.20 | 75.60 | 74.60 | 72.20 | 72.20 | 70.90 | 73.20 | 73.60 | 74.50 | 73.50 | 73.70 | 74.40 |
| 15 | 76.00 | 75.20 | 74.60 | 73.20 | 71.90 | 71.30 | 73.40 | 73.30 | 74.30 | 75.20 | 73.00 | 74.30 |
| 20 | 75.60 | 74.70 | 73.20 | 72.90 | 72.20 | 69.90 | 73.00 | 73.50 | 73.80 | 73.80 | 73.90 | 73.40 |
| 25 | ..... | 75.00 | 74.10 | 71.80 | 72.20 | 72.80 | 72.30 | 73.50 | 74.30 | 73.50 | 73.00 | ..... |
| Eom | ..... | 74.20 | 73.90 | 73.40 | 70.60 | 72.70 | 73.00 | 74.60 | 74.40 | 72.70 | 74.00 | ..... |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | 72.50 | 72.30 | 73.00 | 73.30 | 73.20 | 75.40 | 76.00 | 76.20 | 75.90 | 76.20 |
| 10 | ..... | 74.20 | 73.00 | 71.40 | 72.80 | 72.30 | 74.30 | 75.40 | 76.00 | 76.20 | 76.90 | 76.80 |
| 15 | 70.03 | 74.00 | 72.30 | 74.90 | 71.60 | 73.60 | 74.00 | 75.20 | 75.40 | 76.40 | 76.50 | 76.70 |
| 20 | ..... | 72.80 | 72.20 | 72.60 | 72.60 | 73.60 | 74.70 | 75.40 | 76.00 | 77.00 | 75.50 | 76.60 |
| 25 | ..... | 73.00 | 73.10 | 73.00 | 72.30 | 75.40 | 73.80 | 75.40 | 75.80 | 77.50 | 75.30 | 74.60 |
| Eom | ..... | 72.80 | 73.10 | 72.40 | 71.40 | 74.10 | 73.60 | 76.90 | 76.60 | 75.90 | 76.60 | 76.00 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 76.40 | 76.10 | 75.50 | 77.30 | 77.50 | 75.60 | 73.40 | 72.60 | 74.30 | 75.00 | 73.70 | 73.80 |
| 10 | 76.20 | 76.80 | ..... | 75.40 | 75.20 | 73.60 | 72.90 | 73.40 | 73.00 | 73.90 | 74.40 | 73.40 |
| 15 | 75.80 | 76.90 | ..... | 76.30 | 74.70 | 74.40 | 73.00 | 74.60 | 75.30 | 73.70 | 75.20 | 74.80 |
| 20 | 77.50 | 76.20 | ..... | 76.90 | 76.20 | 73.40 | 74.20 | 73.90 | 74.50 | 74.20 | 74.40 | 76.40 |
| 25 | 77.30 | 77.00 | ..... | 76.00 | 76.60 | 73.20 | 75.20 | 74.80 | 74.60 | 73.80 | 74.60 | 72.50 |
| Eom | 76.60 | 76.80 | ..... | 74.70 | 74.20 | 73.80 | 72.20 | 76.60 | 75.00 | 74.00 | 74.70 | 73.00 |

391442N0842629.1 (revised). Local number H-7. Electric Auto-Lite Co. Jimson Rd., Lockland. Drilled unused artesian well in gravel, diam 6 in, depth 180 ft. Lsd 555.62 ft (revised) above msl. MP floor of instrument shelter, 7.78 ft above lsd. Highest water level 42.93 below lsd, Apr. 9, 1941; lowest 101.09 below lsd, Jan. 29, 1964. Records available: 1941-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 5 | 98.25 | 98.85 | 99.09 | 98.45 | 97.67 | 96.97 | 97.50 | ..... | 99.11 | 100.05 | 100.21 | 100.40 |
| 10 | 97.93 | 98.69 | 99.10 | 98.04 | 97.34 | 96.83 | 97.64 | 98.27 | 99.24 | 100.06 | 100.31 | 100.50 |
| 15 | 98.82 | 99.31 | 99.30 | 98.11 | 97.45 | 97.22 | 97.50 | 98.59 | 99.55 | 100.07 | 100.43 | 100.77 |
| 20 | 98.12 | 98.53 | 98.44 | 97.76 | 97.46 | 97.10 | ..... | 98.66 | 99.30 | 99.95 | 100.13 | 100.42 |
| 25 | 98.86 | 98.94 | 98.73 | 98.12 | 97.53 | 97.37 | ..... | 98.82 | 99.70 | 100.05 | 100.33 | 100.08 |
| Eom | 98.65 | 99.16 | 98.63 | 97.44 | 97.37 | 96.88 | ..... | 99.11 | 99.78 | 100.20 | 100.00 | 100.93 |

1964

| | | | | | | | | | | | | |
|-----|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 100.56 | 100.05 | 99.42 | 98.76 | 98.05 | 97.40 | 96.80 | 96.74 | 96.45 | 96.43 | 96.03 | 96.66 |
| 10 | 100.69 | 99.96 | 99.31 | 98.55 | 97.79 | 97.14 | 96.70 | 96.64 | 96.30 | 96.60 | 96.00 | 96.72 |
| 15 | 100.54 | 99.92 | 99.17 | 98.47 | 98.03 | 96.95 | 96.86 | 96.77 | 96.46 | 96.34 | 96.55 | 96.67 |
| 20 | 100.14 | 99.80 | 99.04 | 98.18 | 97.85 | 96.91 | 96.63 | 96.61 | 96.37 | 96.60 | 96.25 | 96.50 |
| 25 | 100.19 | 99.80 | 98.71 | 98.12 | 97.68 | 96.97 | 96.57 | 96.74 | 96.57 | 96.45 | 96.30 | 96.03 |
| Eom | 100.71 | 99.78 | 98.84 | 97.97 | 97.50 | 96.93 | 96.88 | 96.51 | 96.44 | 96.22 | 96.78 | 96.75 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 96.19 | 96.29 | 95.66 | 95.67 | 95.45 | 95.66 | 95.26 | 95.50 | 97.22 | 98.25 | ..... | 96.28 |
| 10 | 96.48 | 95.44 | 96.00 | 95.91 | 95.40 | 95.46 | 95.34 | 95.57 | 97.01 | 98.33 | ..... | 96.28 |
| 15 | 96.15 | 95.75 | 95.78 | 95.71 | 95.44 | 95.51 | 95.56 | 95.56 | 97.17 | 98.50 | ..... | 95.37 |
| 20 | 95.77 | 95.57 | 96.06 | 95.89 | 95.62 | 95.37 | 95.70 | 95.69 | 97.60 | ..... | 96.28 | 95.33 |
| 25 | 95.52 | 94.85 | 95.72 | 96.18 | 95.52 | 95.48 | 95.43 | 95.50 | 97.77 | ..... | 96.28 | 95.25 |
| Eom | 95.67 | 95.37 | 96.00 | 95.76 | 95.40 | 95.35 | 95.55 | 96.61 | 97.76 | ..... | 96.28 | 95.24 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 95.69 | 95.08 | 94.88 | 95.07 | 95.48 | 96.51 | 95.83 | 96.79 | 96.98 | 96.72 | 96.91 | 95.88 |
| 10 | 95.30 | 94.82 | 95.54 | 95.33 | 95.53 | 96.54 | 95.94 | 96.80 | 97.35 | 96.93 | 96.15 | 96.00 |
| 15 | 94.88 | 95.56 | 95.04 | 95.28 | 95.41 | 96.33 | 95.96 | 96.93 | 97.10 | 97.27 | 96.84 | 96.22 |
| 20 | 95.12 | 96.03 | 95.21 | 95.03 | 96.18 | 96.48 | 96.01 | 97.08 | 96.90 | 97.59 | 96.52 | 96.17 |
| 25 | 95.05 | 94.86 | 95.34 | 95.19 | 96.42 | 96.25 | 96.11 | 96.74 | 97.31 | 98.15 | 95.90 | 96.32 |
| Eom | 94.85 | 95.05 | 94.78 | 95.44 | 96.43 | 96.07 | 97.16 | 97.09 | 96.63 | 97.23 | 95.87 | 96.52 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 96.36 | 95.02 | 95.18 | 95.80 | 95.64 | 95.85 | 94.98 | 94.72 | 93.83 | 94.00 | 93.51 | 93.05 |
| 10 | 96.55 | 95.05 | 95.38 | 95.49 | 95.66 | 95.52 | 94.49 | 94.15 | 93.65 | 93.68 | 93.15 | 92.71 |
| 15 | 96.30 | 96.06 | 95.44 | 95.67 | 95.73 | 95.56 | 94.70 | 94.02 | 93.54 | 93.52 | 93.17 | 93.29 |
| 20 | 95.87 | 96.54 | 95.33 | 96.00 | 96.25 | 95.39 | 94.76 | 93.73 | 93.38 | 93.87 | 93.20 | 92.99 |
| 25 | 95.46 | 96.75 | 95.34 | 96.16 | 96.25 | 95.30 | 94.13 | 93.93 | 93.61 | 93.33 | 92.89 | 92.61 |
| Eom | 95.44 | 95.69 | 95.92 | 95.49 | 95.98 | 94.93 | 94.06 | 94.02 | 93.80 | 93.34 | 93.19 | 92.43 |

391324N0842725.1. Local number H-9. Gardner-Richardson Co. South Cooper Ave., Lockland. Drilled unused artesian well in gravel, diam 10 in, depth 168 ft, cased to 168. Lsd 555.30 ft (revised) above msl. MF floor of instrument shelter, 2.76 ft above lsd. Highest water level 101.33 below lsd, Jan. 14, 1967; lowest 136.80 below lsd, Nov. 9, 1947, Feb. 15, 1948. Records available: 1938-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 103.94 | 104.20 | 103.72 | 103.94 | 103.31 | 103.37 | 103.44 | 103.46 | 103.60 | 104.00 | 103.71 | 103.95 |
| 10 | 103.77 | 103.95 | 104.08 | 103.74 | 103.09 | 103.25 | 103.44 | 103.43 | 103.63 | 103.90 | 103.83 | 104.03 |
| 15 | 104.41 | 104.55 | 104.28 | 103.72 | 103.48 | 103.62 | 103.32 | 103.62 | 103.86 | 103.95 | 104.23 | 104.25 |
| 20 | 103.92 | 103.98 | 103.74 | 103.69 | 103.51 | 103.42 | 103.23 | 103.52 | 103.62 | 103.76 | 103.93 | 103.94 |
| 25 | 104.32 | 104.13 | 103.78 | 103.85 | 103.49 | 103.65 | 103.26 | 103.60 | 103.82 | 103.83 | 104.10 | 103.61 |
| Eom | 104.22 | 103.97 | 103.98 | 103.63 | 103.71 | 103.54 | 103.48 | 103.72 | 103.93 | 103.78 | 103.86 | 104.16 |

1964

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 103.85 | 103.53 | 104.25 | 104.14 | 103.88 | 103.64 | 103.50 | 103.45 | 103.44 | 103.60 | 103.54 | 103.87 |
| 10 | 104.00 | 104.05 | 104.17 | 104.10 | 103.70 | 103.64 | 103.44 | 103.25 | ..... | 103.69 | 103.49 | 103.73 |
| 15 | 103.79 | 103.93 | 104.10 | 104.14 | 103.95 | 103.49 | 103.65 | 103.42 | 103.52 | 103.26 | 103.80 | 103.92 |
| 20 | 103.72 | 104.07 | 103.85 | 103.82 | 103.80 | 103.58 | 103.37 | 103.30 | 103.50 | 103.53 | 103.86 | 103.69 |
| 25 | 103.50 | 103.91 | 103.81 | 103.90 | 103.77 | 103.70 | 103.27 | 103.46 | 103.68 | 103.50 | 103.25 | 103.38 |
| Eom | 103.91 | 104.20 | 104.09 | 103.88 | 103.65 | 103.50 | 103.53 | 103.38 | 103.59 | 103.62 | 103.92 | 103.83 |

1965

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 103.42 | 103.95 | 103.40 | 103.55 | 103.40 | 102.90 | 103.20 | 103.28 | 103.33 | 103.33 | 103.17 | 102.70 |
| 10 | 103.90 | 103.65 | 103.95 | 103.69 | 103.25 | 102.86 | 103.23 | 103.39 | 103.21 | 103.26 | 102.99 | 102.95 |
| 15 | 103.66 | 103.90 | 103.85 | 103.44 | 103.15 | 102.90 | 103.15 | 103.25 | 103.10 | 103.07 | ..... | 102.81 |
| 20 | 103.76 | 103.72 | 104.11 | 103.65 | 103.20 | 102.97 | 103.42 | 103.31 | 103.23 | 103.00 | 102.88 | 102.68 |
| 25 | 103.55 | 103.52 | 103.77 | 103.49 | 102.92 | 103.25 | 103.28 | 103.13 | 103.22 | 103.32 | 102.83 | 103.11 |
| Eom | 103.61 | 103.62 | 104.06 | 103.62 | 102.85 | 103.17 | 103.23 | 103.02 | 102.97 | 102.98 | 103.19 | 102.56 |

1966

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 102.85 | 102.86 | 102.35 | 102.40 | 102.38 | 102.07 | 101.80 | 102.02 | 101.94 | 102.38 | 102.58 | 102.33 |
| 10 | 102.97 | 102.32 | 102.71 | 102.55 | 102.58 | 102.10 | 101.93 | 102.00 | 102.14 | 102.16 | 102.38 | 102.29 |
| 15 | 102.65 | 103.07 | 102.38 | 102.41 | 102.27 | 102.03 | 102.05 | 101.92 | 102.17 | 102.33 | 102.49 | 102.17 |
| 20 | 102.79 | 103.19 | 102.60 | 102.40 | 102.22 | 102.09 | 101.95 | 102.05 | 101.95 | 102.50 | 102.50 | 101.76 |
| 25 | 102.80 | 102.42 | 102.58 | 102.28 | 102.25 | 102.10 | 101.97 | 102.08 | 102.20 | 102.41 | 102.16 | 101.96 |
| Eom | 102.69 | 102.55 | 102.27 | 102.32 | 102.27 | 101.87 | 102.10 | 102.09 | 102.23 | 102.24 | 101.38 | 101.82 |

1967

| | | | | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 5 | 102.01 | 101.67 | 101.97 | 102.44 | 102.95 | 102.86 | 102.57 | 102.43 | 102.73 | 102.90 | 103.30 | 103.34 |
| 10 | 101.85 | 101.57 | 102.34 | 102.62 | 102.96 | 102.70 | 102.12 | 102.46 | 102.81 | 102.87 | 103.04 | 103.18 |
| 15 | 101.85 | 101.55 | 102.88 | 102.55 | 102.90 | 102.70 | 102.21 | 102.40 | 102.73 | 102.92 | 103.27 | 103.70 |
| 20 | 101.70 | 101.50 | 102.43 | 102.88 | 103.06 | 102.60 | 102.09 | 102.24 | 102.72 | 103.09 | 103.26 | 103.53 |
| 25 | 101.57 | 102.53 | 102.45 | 103.06 | 102.75 | 102.71 | 101.81 | 102.45 | 102.98 | 102.84 | 102.97 | 103.16 |
| Eom | 101.70 | 102.28 | 102.70 | 102.63 | 102.90 | 102.43 | 102.10 | 102.72 | 102.92 | 103.00 | 103.27 | 103.39 |

391039N0842915.1. Local number H-11. Procter & Gamble Co. Vine St., Ivorydale. Drilled unused artesian well in sand and gravel, diam 6 in, depth 151 ft, cased to 151. Lsd 539 ft above msl. MF floor of instrument shelter, 2.23 ft above lsd. Highest water level 93.15 below lsd, Jan. 27, 1967; lowest 129.72 below lsd, Oct. 25, 1948. Records available: 1939-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 100.51 | 100.41 | 99.91 | 100.00 | 99.72 | 99.32 | 99.25 | ..... | 98.93 | 99.00 | 98.62 | 98.78 |
| 10 | 100.25 | 100.20 | 100.12 | 99.80 | 99.52 | 99.21 | 99.37 | 99.06 | 98.87 | 98.87 | 98.62 | 98.78 |
| 15 | 100.73 | 100.46 | 100.30 | 99.93 | 99.61 | 99.40 | 99.37 | 99.10 | 98.96 | 98.92 | 98.80 | 98.78 |
| 20 | 100.14 | 99.80 | 99.65 | 99.73 | 99.60 | 99.32 | 99.37 | 98.97 | 98.75 | 98.75 | 98.73 | 98.78 |
| 25 | 100.64 | 100.05 | 100.06 | 99.98 | 99.63 | 99.54 | 99.37 | 98.95 | 99.01 | 98.69 | 98.62 | 98.78 |
| Eom | 100.32 | 100.05 | 100.08 | 99.51 | 99.55 | 99.30 | 99.37 | 99.00 | 98.80 | 98.74 | 98.78 | ..... |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 98.35 | 98.15 | 97.75 | 97.98 | ..... | 97.55 | 97.21 | 96.95 | 96.78 | 96.70 | 96.50 | ..... |
| 10 | 98.25 | 98.12 | 97.73 | ..... | ..... | 97.39 | 97.12 | 97.00 | 96.79 | 96.75 | ..... | ..... |
| 15 | 98.32 | 98.07 | 97.88 | ..... | 97.74 | 97.38 | ..... | 97.01 | 96.78 | 96.60 | ..... | 96.38 |
| 20 | 97.90 | 97.96 | 97.97 | ..... | 97.64 | 97.37 | ..... | 96.88 | 96.71 | 96.63 | 96.08 | ..... |
| 25 | 97.87 | 98.07 | 97.83 | ..... | 97.55 | 97.50 | ..... | 96.97 | 96.73 | 96.69 | ..... | ..... |
| Eom | 98.38 | 98.05 | 97.99 | ..... | 97.53 | 97.35 | ..... | 96.82 | 96.67 | 96.55 | ..... | 96.62 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 96.62 | 96.32 | 95.55 | 95.51 | 95.37 | 95.62 | 95.15 | 95.36 | 95.13 | 95.14 | 94.98 | 94.47 |
| 10 | 96.62 | 95.77 | 95.85 | 95.47 | 95.31 | 95.46 | 95.22 | 95.24 | 95.10 | 94.92 | 94.84 | ..... |
| 15 | 96.15 | 96.02 | 95.68 | 95.56 | 95.29 | 95.32 | 95.28 | ..... | 94.86 | 95.02 | 94.83 | ..... |
| 20 | ..... | 95.84 | 95.90 | 95.49 | 95.70 | 95.29 | 95.32 | ..... | 95.01 | 94.97 | 94.48 | ..... |
| 25 | ..... | 95.59 | 95.75 | 95.38 | 95.73 | 95.32 | 95.12 | 95.16 | 95.03 | 94.65 | ..... | ..... |
| Eom | 95.98 | 95.78 | 95.81 | 95.50 | 95.54 | 95.24 | 95.36 | 95.08 | 95.02 | ..... | 94.86 | ..... |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | 94.36 | 94.07 | 93.84 | 93.87 | 93.84 | 93.96 | 94.02 | 94.00 |
| 10 | ..... | ..... | ..... | 94.44 | 94.22 | 93.94 | 93.97 | 93.90 | 94.25 | 93.75 | 93.66 | 93.71 |
| 15 | 94.54 | ..... | ..... | 94.21 | 94.06 | 93.99 | 93.92 | 93.94 | 93.80 | 93.90 | 94.08 | 93.88 |
| 20 | 94.60 | ..... | ..... | 94.45 | 94.03 | 94.09 | 93.85 | 93.98 | 93.76 | 93.95 | 94.00 | 93.42 |
| 25 | ..... | ..... | ..... | 94.15 | 94.05 | 94.03 | 94.02 | 94.06 | 93.93 | 93.95 | 93.80 | 93.78 |
| Eom | ..... | ..... | ..... | 94.17 | 94.13 | 93.85 | 93.95 | 94.01 | 93.74 | 93.85 | 93.74 | 93.70 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 93.73 | 93.49 | 93.44 | 93.49 | 93.93 | 93.83 | 93.79 | 93.61 | 93.84 | 93.83 | 93.93 | 93.90 |
| 10 | 93.83 | 93.50 | 93.72 | 93.50 | 93.77 | 93.66 | 93.54 | 93.62 | 93.74 | 93.67 | 93.84 | 93.77 |
| 15 | 93.63 | 93.44 | 93.64 | 93.44 | 93.70 | 93.74 | 93.67 | 93.71 | 93.75 | 93.76 | 93.86 | 94.23 |
| 20 | 93.86 | 93.65 | 93.77 | 93.65 | 93.89 | 93.70 | 93.63 | 93.56 | 93.65 | 93.80 | 93.84 | 94.00 |
| 25 | 93.57 | 93.90 | 93.60 | 93.70 | 93.71 | 93.75 | 93.41 | 93.78 | 93.77 | 93.58 | 93.54 | 93.79 |
| Eom | 93.73 | 93.44 | 93.62 | 93.70 | 93.75 | 93.67 | 93.50 | 93.84 | 93.74 | 93.81 | 93.81 | 93.93 |

Hancock County

405700N0833557.1 (revised). Local number Ha-2. Maplehurst Farms. Drilled unused water-table well in limestone, diam 6 in., depth 27 ft. Lsd 820 ft (revised) above msl. MP floor of instrument shelter, 3.50 ft above lsd. Highest water level 0.25 below lsd, Mar. 5, 1963, Dec. 10, 1966; lowest 8.10 below lsd, Nov. 22-25, Dec. 3, 4, 1964. Records available: 1947-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|------|------|-------|------|------|------|
| 5 | 4.00 | 4.35 | 0.25 | 1.55 | 2.75 | 3.00 | 3.30 | 4.10 | 5.45 | 6.55 | 7.15 | 7.55 |
| 10 | 3.70 | .... | 2.05 | 2.20 | 2.90 | 2.50 | 3.60 | 4.45 | 5.65 | 6.70 | 7.25 | 7.50 |
| 15 | 3.10 | 3.40 | 1.60 | 2.60 | 2.95 | 2.95 | 3.50 | 4.70 | 5.85 | 6.80 | 7.30 | 7.60 |
| 20 | 3.10 | 3.20 | 1.20 | 1.75 | 2.95 | 3.10 | 3.20 | 4.90 | 6.00 | 6.95 | 7.40 | 7.60 |
| 25 | 3.90 | .... | 1.90 | 2.35 | 3.10 | 3.30 | 3.40 | 5.05 | 6.20 | 7.10 | 7.40 | 7.75 |
| Eom | 4.35 | 2.45 | 2.15 | 2.55 | 2.95 | 3.20 | 3.50 | 5.25 | 6.35 | 7.20 | 7.50 | 7.85 |

1964

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 7.50 | 5.40 | 2.50 | 1.50 | 2.30 | 2.70 | 2.90 | 5.20 | 6.15 | 7.05 | 7.90 | 7.65 |
| 10 | 6.10 | 4.65 | 1.70 | 2.00 | 2.50 | 2.65 | 2.95 | 5.35 | 6.35 | 7.25 | 7.95 | 7.95 |
| 15 | 7.05 | 5.70 | 1.50 | 2.35 | 2.60 | 2.35 | 3.20 | 5.50 | 6.55 | 7.40 | 8.05 | 6.50 |
| 20 | 5.30 | 5.95 | 2.15 | 2.15 | 2.65 | 2.60 | 4.20 | 5.70 | 6.75 | 7.40 | 8.00 | 7.20 |
| 25 | 2.95 | 6.10 | 2.05 | 1.65 | 2.40 | 2.70 | 4.55 | 5.70 | 6.88 | 7.60 | 8.10 | 6.00 |
| Eom | 4.95 | 6.00 | 2.30 | 1.85 | 2.60 | 2.80 | 4.95 | 5.95 | 6.90 | 7.80 | 8.05 | 6.55 |

1965

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 4.30 | 3.50 | 1.70 | 2.00 | 2.30 | 2.60 | .... | 4.70 | 3.40 | 5.30 | 3.65 | 2.60 |
| 10 | 4.10 | 2.25 | 2.00 | 1.95 | 2.45 | 2.65 | 2.65 | 4.65 | 4.20 | 5.15 | 2.50 | 2.70 |
| 15 | 5.40 | 2.50 | 2.20 | 2.10 | 2.50 | 2.70 | 2.90 | 5.10 | 4.70 | 4.90 | 2.60 | 2.30 |
| 20 | 5.80 | 2.55 | 2.30 | 2.25 | 2.60 | 2.70 | 4.10 | 5.15 | 3.70 | 5.10 | 2.55 | 2.40 |
| 25 | 2.30 | 2.55 | 2.40 | 1.50 | 2.55 | 2.75 | 4.40 | 5.40 | 4.35 | 2.50 | 2.50 | 2.45 |
| Eom | 2.70 | 1.65 | 2.00 | 2.05 | 2.35 | 2.75 | 4.70 | 4.30 | 4.90 | 2.80 | 2.55 | 2.45 |

1966

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 2.00 | 2.60 | 2.10 | 2.40 | 2.05 | 2.60 | 2.05 | 2.65 | 2.55 | 2.85 | 2.80 | 2.10 |
| 10 | 2.30 | 2.25 | 2.30 | 2.40 | 2.15 | 2.65 | .... | 2.65 | 2.70 | 2.75 | 1.25 | .25 |
| 15 | 2.40 | 1.95 | 2.10 | 2.45 | 1.70 | 2.25 | .... | 2.65 | 2.80 | 2.90 | 2.05 | 1.50 |
| 20 | 2.50 | 2.25 | 2.30 | 2.45 | 1.90 | 2.50 | .... | 2.70 | 2.90 | 2.80 | 2.30 | 1.70 |
| 25 | 2.60 | 2.35 | 2.30 | 2.40 | 2.15 | 2.65 | .... | 2.30 | 2.70 | 2.90 | 2.40 | 2.00 |
| Eom | 2.55 | 2.40 | 2.35 | 1.85 | 2.50 | 2.15 | .... | 2.55 | 2.80 | 2.95 | 2.10 | 2.40 |

1967

| | | | | | | | | | | | | |
|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| 5 | 2.55 | 1.70 | 2.15 | 1.40 | 2.40 | 2.65 | 2.85 | 2.70 | .... | 3.10 | 2.00 | 1.00 |
| 10 | 2.60 | 2.10 | 1.80 | 1.65 | 1.30 | 2.65 | 2.90 | 2.75 | .... | 3.10 | 2.40 | 1.55 |
| 15 | 2.65 | 1.80 | 1.50 | 1.60 | 1.35 | 2.75 | 3.00 | 2.90 | .... | 3.25 | 2.50 | 1.55 |
| 20 | 2.80 | 1.90 | 1.65 | 2.15 | 1.85 | 2.75 | 3.00 | 2.90 | .... | 2.60 | 2.20 | 1.70 |
| 25 | 2.50 | 2.00 | 1.55 | 2.10 | 2.30 | 2.80 | 3.30 | 3.05 | .... | 2.80 | 2.25 | 1.55 |
| Eom | 2.10 | 2.55 | 1.45 | 2.20 | 2.55 | 2.80 | 2.10 | 3.00 | 2.90 | 2.90 | 2.50 | 1.80 |

Jefferson County

402404N0803721.1 (revised). Local number Je-1. Steubenville Pottery Co. Drilled unused water-table well in gravel, diam 8 in., depth 104 ft, cased to 104. Lsd 680 ft (revised) 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, 1952-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 43.80 | 44.60 | .... | .... | 44.55 | 43.80 | 43.80 | 44.35 | 44.15 | 44.20 | 44.25 | 44.75 |
| 10 | 43.75 | 44.55 | .... | .... | 44.35 | 43.90 | 44.10 | 43.90 | .... | 44.35 | 44.50 | 44.75 |
| 15 | 44.25 | 44.50 | .... | .... | 43.05 | 43.50 | 44.25 | 44.20 | .... | 44.30 | 44.25 | 44.75 |
| 20 | 44.60 | .... | .... | .... | 43.25 | 43.60 | 43.85 | 44.20 | .... | 44.30 | 44.70 | 44.75 |
| 25 | 43.75 | .... | .... | .... | 34.30 | 45.90 | 43.60 | 43.80 | 44.20 | .... | 44.25 | 44.75 |
| Eom | 44.40 | .... | .... | .... | 34.60 | 44.00 | 43.45 | 43.55 | 44.20 | 44.60 | 44.20 | 44.75 |

1964

| | | | | | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | .... | 44.50 | 43.45 | 40.60 | 44.25 | 43.75 | 44.05 | 44.00 | 44.40 | 44.10 | 44.05 | 44.60 |
| 10 | .... | .... | .... | 39.65 | 45.00 | 43.80 | 44.00 | 43.95 | 44.30 | 44.00 | 44.10 | 44.30 |
| 15 | .... | .... | .... | 44.15 | 43.50 | 43.70 | 44.10 | 43.90 | 44.30 | 44.00 | 44.10 | 43.50 |
| 20 | .... | .... | .... | 44.25 | 43.50 | 43.85 | 44.10 | 43.90 | 44.15 | 44.05 | 44.10 | 44.90 |
| 25 | .... | .... | .... | 38.30 | 43.50 | 44.25 | 43.95 | 44.20 | 44.00 | 44.00 | 44.05 | 44.45 |
| Eom | .... | .... | .... | 42.05 | 43.65 | 44.25 | 43.90 | 44.15 | 44.10 | 44.05 | 44.25 | 44.10 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 41.90 | 43.30 | 45.10 | 43.30 | 44.20 | 45.20 | 44.60 | 44.50 | 43.70 | 44.55 | 44.40 | 43.65 |
| 10 | 43.15 | 41.00 | 40.70 | 43.70 | 43.85 | 45.50 | 44.70 | 44.40 | 44.35 | 44.30 | 44.40 | 43.70 |
| 15 | 44.50 | 39.40 | 44.50 | 43.10 | 45.15 | 45.50 | 44.70 | 44.40 | 44.55 | 43.95 | 44.35 | 42.10 |
| 20 | 43.90 | 45.15 | 44.70 | 43.70 | 45.50 | 44.80 | 44.75 | 44.65 | 44.55 | 44.15 | 43.20 | 41.85 |
| 25 | 40.50 | 43.75 | 43.80 | 45.65 | 45.60 | 44.75 | 44.55 | 44.70 | 44.70 | 43.80 | 43.60 | 42.00 |
| Eom | 42.40 | 44.70 | 41.50 | 44.90 | 45.35 | 44.80 | 44.85 | 44.50 | 44.60 | 44.25 | 43.30 | 41.70 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | .... | 41.90 | 39.15 | 40.05 | 36.40 | 41.75 | 42.20 | 42.00 | 42.90 | 42.00 | .... | 41.80 |
| 10 | 39.80 | 41.85 | 39.15 | 40.70 | 39.20 | 41.90 | 42.20 | 42.45 | 43.00 | 41.80 | .... | 39.10 |
| 15 | 41.20 | .... | 39.25 | 40.25 | 38.70 | 41.90 | 42.25 | 42.75 | 42.90 | .... | 41.55 | 38.90 |
| 20 | 41.50 | .... | 40.50 | 41.00 | 39.95 | 42.00 | 42.30 | 42.90 | 42.95 | .... | 42.40 | 40.90 |
| 25 | 41.80 | 40.90 | 40.55 | 39.90 | 40.95 | 42.20 | 42.20 | 42.80 | 42.95 | .... | 42.25 | 41.25 |
| Eom | 41.80 | 41.15 | 40.55 | 37.50 | 41.45 | 42.10 | 42.00 | 43.00 | 42.45 | .... | 41.60 | 41.65 |

402404N0803721.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 41.80 | 40.15 | 40.45 | 38.45 | 40.10 | 40.80 | 41.75 | 41.90 | 42.00 | 41.30 | 41.95 | 40.25 |
| 10 | 41.80 | 41.20 | 34.60 | 38.80 | 36.40 | 41.20 | 41.75 | 41.90 | 41.90 | 41.50 | 41.95 | 39.90 |
| 15 | 41.90 | 41.35 | 35.00 | 39.80 | 35.60 | 41.45 | 41.70 | 41.95 | 41.90 | 42.10 | 41.50 | 40.05 |
| 20 | 42.15 | 41.10 | 35.70 | 40.00 | 35.70 | 41.75 | 41.80 | 42.00 | 42.00 | 42.00 | 41.40 | 41.30 |
| 25 | 42.10 | 41.50 | 36.85 | 39.70 | 38.70 | 41.70 | 41.95 | 42.00 | 41.90 | 41.35 | 40.55 | 41.20 |
| Eom | 41.55 | 41.50 | 36.95 | 40.70 | 39.75 | 41.85 | 41.80 | 42.00 | 41.70 | 41.40 | 40.90 | 42.00 |

Knox County

402344N0823007.1 (revised). Local number K-1. City of Mount Vernon. 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 15.60 below lsd, Dec. 10, 1965. Records available: 1946-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 10.50 | 9.55 | 9.10 | 9.45 | 7.20 | 10.10 | 11.40 | 11.25 | 12.30 | 12.70 | 11.85 | 13.00 |
| 10 | 9.90 | ..... | 11.50 | 8.85 | 9.65 | 11.75 | 13.40 | 11.60 | 13.90 | 13.65 | 10.55 | 13.15 |
| 15 | 10.25 | ..... | ..... | 9.90 | 8.40 | 11.00 | 11.90 | 12.10 | 9.70 | 13.85 | 12.75 | 11.80 |
| 20 | 8.70 | ..... | ..... | 10.95 | 9.90 | 11.45 | 11.75 | 12.80 | 15.10 | 11.90 | 13.10 | 14.05 |
| 25 | ..... | 8.83 | ..... | 10.00 | 8.95 | 13.25 | 12.65 | 10.80 | 13.00 | 13.50 | 10.35 | 11.30 |
| Eom | ..... | ..... | 7.90 | 11.60 | 9.30 | 11.35 | 12.35 | 11.65 | 11.95 | 11.90 | 11.90 | 12.85 |
| 1964 | | | | | | | | | | | | |
| 5 | 11.50 | 12.90 | 12.40 | 5.95 | 7.50 | 9.30 | 8.10 | 10.30 | 12.25 | 10.00 | 12.05 | 10.55 |
| 10 | 12.85 | 12.05 | 9.25 | 9.50 | 7.75 | 10.55 | 11.05 | 9.60 | 12.20 | 10.95 | 11.40 | 11.35 |
| 15 | 13.05 | 11.75 | 8.35 | 9.50 | 9.00 | 8.40 | 10.10 | 10.30 | 10.55 | 11.25 | 9.95 | 9.15 |
| 20 | 11.45 | 14.30 | 9.85 | 7.75 | 10.30 | 9.80 | 9.60 | 10.65 | 11.35 | 9.60 | 9.75 | 12.95 |
| 25 | 12.90 | 12.20 | 9.90 | 8.95 | 8.10 | 11.10 | 10.30 | 10.45 | 10.45 | 9.75 | 11.55 | 7.90 |
| Eom | 12.85 | 12.90 | 9.75 | 7.30 | 6.05 | 11.45 | 10.65 | 11.50 | 11.70 | 9.20 | 11.00 | 8.80 |
| 1965 | | | | | | | | | | | | |
| 5 | 10.20 | 9.40 | 9.60 | 8.20 | 12.10 | 9.70 | 9.35 | 10.95 | 9.00 | 11.15 | 11.75 | 8.60 |
| 10 | ..... | ..... | 9.00 | 6.70 | 10.70 | 11.55 | 12.10 | 13.35 | 14.45 | 10.35 | 12.75 | 15.60 |
| 15 | 8.90 | ..... | 9.10 | 8.80 | 12.55 | 11.15 | 12.15 | 11.00 | 9.90 | 12.50 | 10.60 | 10.35 |
| 20 | 10.10 | ..... | 7.90 | 8.10 | 11.50 | 10.65 | 12.85 | 11.55 | 13.35 | 12.15 | 12.30 | 10.10 |
| 25 | 9.25 | 9.75 | 9.00 | 7.05 | 9.45 | 12.70 | 12.30 | 13.05 | 10.30 | 11.40 | 7.70 | 9.85 |
| Eom | 8.50 | 7.55 | 9.05 | 12.25 | 9.00 | 11.85 | 12.55 | 11.65 | 11.85 | 8.20 | ..... | 9.50 |
| 1966 | | | | | | | | | | | | |
| 5 | 10.55 | 11.50 | 8.55 | 9.65 | 9.35 | 8.65 | 11.75 | 10.65 | 9.20 | 9.35 | 10.50 | 10.75 |
| 10 | 9.70 | ..... | 8.80 | 5.95 | 8.90 | 10.60 | 10.20 | 11.15 | 11.05 | 9.05 | 9.00 | 8.45 |
| 15 | 11.00 | ..... | 9.85 | 10.05 | 8.65 | 10.85 | 10.65 | 10.30 | 11.20 | 9.80 | 7.40 | 10.70 |
| 20 | 9.55 | 9.00 | 9.70 | 8.40 | 9.60 | 10.45 | 11.00 | 10.10 | 10.10 | 8.65 | 6.10 | 8.60 |
| 25 | 10.50 | 8.45 | 9.00 | 10.80 | 11.20 | 12.20 | 8.30 | 11.75 | 8.25 | 10.35 | 7.30 | 7.90 |
| Eom | 10.65 | 7.80 | 8.50 | 6.45 | 9.10 | 11.30 | 6.85 | 11.50 | 11.40 | 10.30 | 9.85 | 10.30 |
| 1967 | | | | | | | | | | | | |
| 5 | 10.30 | 9.50 | 10.60 | 7.15 | 6.45 | 8.05 | ..... | 11.35 | 11.20 | 12.70 | 10.60 | 8.70 |
| 10 | 10.00 | 10.00 | 8.85 | 6.75 | 7.00 | 10.15 | 12.70 | 10.50 | 9.45 | 12.20 | 12.40 | 10.00 |
| 15 | 7.60 | 9.70 | 9.50 | 7.50 | 8.25 | 12.60 | 10.45 | 12.20 | 13.50 | 10.20 | 11.90 | 11.30 |
| 20 | 10.80 | 8.90 | 9.60 | 7.00 | 7.45 | 13.10 | 11.20 | 12.35 | 13.20 | 10.20 | 9.30 | 12.10 |
| 25 | 10.60 | 10.00 | 7.00 | 7.70 | 10.40 | 11.05 | 12.10 | 12.20 | 10.70 | 10.90 | 8.40 | 7.00 |
| Eom | 9.10 | 10.40 | 8.70 | 5.00 | 7.40 | 11.45 | 11.65 | 12.50 | 12.25 | 10.15 | 9.00 | 7.05 |

Lake County

414042N0811943.1 (revised). Local number L-1. City of Mentor. Drilled unused water-table well in sand, diam 8 in, depth 32 ft. Lsd 680 ft (revised) 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: 1948-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 15.54 | 15.55 | 15.58 | 14.89 | 15.06 | 15.36 | ..... | ..... | 16.15 | 16.32 | 16.47 | 16.21 |
| 10 | 15.54 | 15.51 | 15.37 | 14.82 | 15.13 | 15.42 | ..... | ..... | 16.19 | 16.37 | 16.50 | 16.21 |
| 15 | 15.55 | 15.55 | 15.18 | 14.82 | 15.16 | 15.47 | ..... | ..... | 16.23 | 16.40 | 16.41 | 16.20 |
| 20 | 15.52 | 15.48 | 14.98 | 14.86 | 15.25 | 15.52 | ..... | ..... | 16.25 | 16.42 | 16.27 | 16.20 |
| 25 | 15.53 | 15.53 | 14.93 | 14.92 | 15.28 | 15.63 | ..... | ..... | 16.29 | 16.45 | 16.22 | 16.18 |
| Eom | 15.53 | 15.55 | 14.90 | 14.95 | 15.35 | 15.63 | ..... | 16.14 | 16.32 | 16.47 | 16.20 | 16.22 |
| 1964 | | | | | | | | | | | | |
| 5 | 16.19 | ..... | 15.49 | 14.60 | 14.57 | ..... | ..... | 15.59 | ..... | 15.80 | 16.04 | 16.17 |
| 10 | 16.15 | ..... | 15.25 | 14.48 | 14.59 | ..... | ..... | 15.63 | ..... | 15.87 | 16.07 | 16.21 |
| 15 | 16.02 | ..... | 15.03 | 14.42 | 14.70 | ..... | ..... | 15.70 | 15.75 | 15.91 | 16.09 | 16.23 |
| 20 | 15.88 | ..... | 14.80 | 14.41 | 14.70 | ..... | ..... | 15.74 | 15.69 | 15.93 | 16.12 | 16.21 |
| 25 | 15.78 | ..... | 14.62 | 14.43 | 14.74 | ..... | 15.46 | 15.62 | 15.78 | 15.98 | 16.14 | 16.19 |
| Eom | 15.68 | ..... | 14.58 | 14.48 | ..... | ..... | 15.54 | 15.63 | 15.78 | 16.01 | 16.15 | 16.15 |

414042N0811943.1--Continued.

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | 15.02 | 14.85 | 14.56 | ..... | 15.22 | 15.53 | 15.85 | 16.06 | 16.22 | 16.22 | 16.23 |
| 10 | ..... | 14.94 | 14.79 | 14.65 | ..... | 15.27 | 15.59 | 15.88 | 16.10 | 16.25 | 16.32 | 16.28 |
| 15 | ..... | 14.91 | 14.69 | 14.70 | ..... | 15.29 | 15.61 | 15.92 | 16.12 | 16.29 | 16.34 | 16.26 |
| 20 | ..... | 14.90 | 14.60 | 14.79 | ..... | 15.35 | 15.67 | 15.95 | 16.18 | 16.30 | 16.25 | 16.25 |
| 25 | ..... | 14.90 | 14.54 | 14.83 | 15.15 | 15.43 | 15.73 | 15.99 | 16.19 | 16.28 | 16.23 | 16.25 |
| Eom | ..... | 14.87 | 14.53 | ..... | 15.20 | 15.50 | 15.79 | 16.03 | 16.20 | 16.25 | 16.25 | 16.20 |
| 1966 | | | | | | | | | | | | |
| 5 | 16.20 | 16.18 | 15.70 | 15.35 | ..... | 15.53 | 15.78 | 16.13 | 16.25 | 16.36 | 16.34 | ..... |
| 10 | 16.15 | 16.19 | 15.71 | 15.38 | ..... | 15.62 | 15.86 | 16.16 | 16.27 | 16.37 | 16.23 | 15.87 |
| 15 | 16.14 | 16.02 | 15.68 | 15.39 | ..... | 15.63 | 15.91 | 16.19 | 16.29 | 16.38 | 16.11 | 15.48 |
| 20 | 16.14 | 15.91 | 15.64 | 15.44 | ..... | 15.66 | 16.00 | 16.18 | 16.33 | 16.39 | 16.04 | 15.10 |
| 25 | 16.15 | 15.78 | 15.47 | 15.46 | 15.40 | 15.67 | 16.04 | 16.20 | 16.35 | 16.39 | ..... | 14.96 |
| Eom | 16.16 | 15.75 | 15.37 | ..... | 15.45 | 15.73 | 16.08 | 16.23 | 16.35 | 16.40 | ..... | 14.94 |
| 1967 | | | | | | | | | | | | |
| 5 | 15.15 | 15.41 | 15.27 | 15.19 | 15.19 | 15.19 | 15.61 | 16.04 | 16.30 | 16.46 | 16.47 | 16.12 |
| 10 | 15.23 | 15.34 | 15.33 | 15.13 | 15.19 | 15.27 | 15.66 | 16.10 | 16.35 | 16.48 | 16.43 | 16.08 |
| 15 | 15.26 | ..... | 15.38 | 15.05 | 15.09 | 15.33 | 15.73 | 16.14 | 16.39 | 16.47 | 16.37 | 16.09 |
| 20 | 15.34 | ..... | 15.43 | 15.07 | 15.10 | 15.47 | 15.85 | 16.15 | 16.41 | 16.48 | 16.30 | 16.10 |
| 25 | 15.37 | ..... | 15.41 | 15.07 | 14.98 | 15.48 | 15.90 | 16.22 | 16.44 | 16.44 | 16.15 | 16.10 |
| Eom | 15.46 | ..... | 15.31 | 15.10 | 15.03 | 15.52 | 15.99 | 16.27 | 16.45 | 16.47 | 16.14 | 16.11 |

Lawrence County

383219N0824056.1. Local number La-1. Crystal Ice Co. 9th and Railroad Sts., Ironton. Drilled unused artesian well in gravel, diam 16 in, depth 77 ft, cased to 77. Lsd 550 ft above mal. MP floor of instrument shelter, 4.65 ft above lsd. Highest water level 31.92 below lsd, Mar. 29, 1963; lowest 53.77 below lsd, Oct. 19, 1947. Records available: 1947-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 37.47 | 37.56 | 37.27 | 32.53 | 34.75 | 35.92 | 36.46 | 36.78 | 36.93 | 36.92 | 36.87 | 37.05 |
| 10 | 37.65 | 37.31 | 36.51 | 32.97 | 34.96 | 35.90 | 36.48 | 36.82 | 36.97 | 36.91 | 36.98 | 37.03 |
| 15 | 37.58 | 37.47 | 35.38 | 33.37 | 35.20 | 36.05 | 36.46 | 36.88 | 37.03 | 37.03 | 36.99 | 36.93 |
| 20 | 37.23 | 37.25 | 33.72 | 33.83 | 35.41 | 36.10 | 36.58 | 36.79 | 36.92 | 36.95 | 37.03 | 36.86 |
| 25 | 37.35 | 37.30 | 32.14 | 34.15 | 35.50 | 36.25 | 36.72 | 36.89 | 36.92 | 37.05 | 37.03 | 36.78 |
| Eom | 37.38 | 37.44 | 31.93 | 34.47 | 35.73 | 36.46 | 36.72 | 36.90 | 36.96 | 36.96 | 37.00 | 36.94 |
| 1964 | | | | | | | | | | | | |
| 5 | 37.12 | 36.70 | 36.91 | 33.74 | 34.95 | ..... | 37.06 | ..... | 37.15 | 37.10 | 37.30 | 36.98 |
| 10 | 37.19 | 37.00 | 36.62 | 34.16 | 35.11 | ..... | ..... | ..... | 37.00 | 36.89 | 36.97 | 36.88 |
| 15 | 36.89 | 36.75 | 35.12 | 34.38 | 35.22 | 36.37 | ..... | ..... | 36.93 | 37.00 | 37.21 | 36.90 |
| 20 | 36.87 | 37.05 | 33.25 | 34.65 | ..... | 36.28 | ..... | ..... | 37.18 | 37.38 | 37.10 | 37.00 |
| 25 | 36.82 | 36.75 | 33.07 | 34.88 | 35.84 | 36.83 | ..... | 37.09 | 37.22 | 36.91 | 37.15 | 36.97 |
| Eom | 36.85 | 36.97 | 33.42 | ..... | 35.77 | 36.96 | ..... | 37.34 | 37.05 | 37.08 | 36.89 | 37.05 |
| 1965 | | | | | | | | | | | | |
| 5 | 36.86 | 36.38 | ..... | 35.78 | 35.45 | 36.18 | 37.02 | 37.16 | 37.52 | 37.37 | 37.35 | 37.20 |
| 10 | 36.79 | 36.50 | ..... | 35.75 | 35.68 | 36.41 | 36.70 | 37.22 | 37.66 | 37.33 | 37.17 | 37.33 |
| 15 | 36.56 | ..... | ..... | 35.60 | 35.66 | 36.43 | 37.03 | 37.42 | 37.53 | 37.37 | 37.09 | 37.07 |
| 20 | 36.50 | ..... | ..... | 35.63 | 35.85 | 36.48 | 37.15 | 37.35 | 37.61 | 37.38 | 37.14 | 37.12 |
| 25 | 36.80 | ..... | ..... | 35.49 | 36.13 | 36.82 | 37.19 | 37.49 | 37.52 | 37.33 | 37.16 | 37.12 |
| Eom | 36.39 | ..... | ..... | 35.33 | 36.25 | 36.84 | 37.26 | 37.35 | 37.33 | 37.16 | 37.10 | 37.15 |
| 1966 | | | | | | | | | | | | |
| 5 | 37.17 | 37.02 | 35.51 | 36.16 | 36.08 | 36.18 | 36.95 | 37.33 | 37.41 | 37.31 | 37.18 | 36.98 |
| 10 | 37.17 | 37.23 | 36.02 | 36.25 | 35.76 | 36.41 | 37.05 | 37.28 | 37.38 | 37.23 | 37.24 | 37.00 |
| 15 | 36.88 | 37.00 | 35.93 | 36.44 | 35.51 | 36.42 | 37.07 | 37.28 | 37.30 | 37.19 | 37.30 | 36.85 |
| 20 | 37.16 | 36.10 | 36.18 | 36.46 | 35.72 | 36.36 | 37.23 | 37.36 | 37.33 | 37.21 | 37.07 | 36.74 |
| 25 | 36.97 | 35.94 | 36.17 | 36.64 | 35.87 | 36.75 | 37.27 | 37.39 | 37.25 | 37.25 | 37.12 | 36.64 |
| Eom | 36.97 | 35.63 | 36.19 | 36.48 | 36.06 | 36.88 | 37.24 | 37.44 | 37.26 | 37.10 | 37.16 | 36.77 |
| 1967 | | | | | | | | | | | | |
| 5 | 36.92 | 36.94 | 36.89 | 34.03 | 35.06 | 34.62 | 35.72 | 36.18 | 36.47 | 36.60 | 36.70 | 36.80 |
| 10 | 36.93 | 36.62 | 36.22 | 34.25 | 35.06 | 34.85 | 35.74 | 36.23 | 36.53 | 36.73 | 36.70 | 36.59 |
| 15 | 36.90 | 36.94 | 35.13 | 34.36 | 34.78 | 35.07 | 35.85 | 36.28 | 36.51 | 36.68 | 36.75 | 36.88 |
| 20 | 36.69 | 36.99 | 33.67 | 34.67 | 34.52 | 35.25 | 35.93 | 36.31 | 36.56 | 36.72 | 36.76 | 36.81 |
| 25 | 36.98 | 36.80 | 33.45 | 34.95 | 34.35 | 35.93 | 36.01 | 36.37 | 36.61 | 36.64 | 36.74 | 36.65 |
| Eom | 36.91 | 37.00 | 33.74 | 34.96 | 34.50 | 35.54 | 36.09 | 36.47 | 36.68 | 36.78 | 36.87 | 36.69 |

Licking County

400159N0822821.1 (revised). Local number Li-2. Heath Refinery. Newark. Drilled observation artesian well in gravel, diam 6 in, depth 23 ft, cased to 22. Lsd 885 ft (revised) above mal. MP floor of instrument shelter, 3.80 ft above lsd. Highest water level 0.29 above lsd, Mar. 5, 1963; lowest 18.55 below lsd, Dec. 17, 18, 1953. Records available: 1953-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -3.62 | -2.43 | +0.29 | -2.45 | -4.77 | -3.74 | -4.94 | -5.15 | -5.58 | -6.21 | -6.67 | -7.10 |
| 10 | 3.51 | 1.92 | -.24 | 3.15 | 5.30 | 3.62 | 4.91 | 5.15 | 5.70 | 6.28 | 6.75 | 7.17 |
| 15 | 2.12 | 2.36 | .61 | 3.80 | 5.66 | 3.79 | 4.94 | 5.28 | 5.82 | 6.37 | 6.83 | .... |
| 20 | 2.10 | 2.09 | .09 | 3.67 | 5.88 | 5.59 | 4.84 | 5.24 | 5.90 | 6.44 | 6.91 | .... |
| 25 | 2.41 | 2.40 | 1.46 | 3.86 | 4.68 | 6.34 | 4.89 | 5.36 | 6.00 | 6.52 | 6.98 | .... |
| Eom | 2.65 | 2.55 | 1.54 | 4.80 | 3.96 | 5.35 | 5.00 | 5.47 | 6.11 | 6.60 | 7.04 | 7.35 |

400159N0822821.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -7.36 | -7.45 | -7.08 | -0.31 | -2.62 | -6.17 | -3.15 | -4.04 | -5.01 | -5.72 | -6.23 | -6.31 |
| 10 | 7.20 | 7.53 | 2.30 | .71 | 3.47 | 6.35 | 3.29 | 4.21 | 5.14 | 5.82 | 6.29 | 6.45 |
| 15 | 7.33 | 7.55 | 1.05 | 1.02 | 3.98 | 5.10 | 3.48 | 4.40 | 5.34 | 5.85 | 6.42 | 5.83 |
| 20 | 7.38 | 7.61 | 1.14 | 1.58 | 4.61 | 3.44 | 3.36 | 4.58 | 5.38 | 5.96 | 6.47 | 6.09 |
| 25 | 7.20 | 7.64 | .97 | 1.65 | 5.01 | 2.94 | 3.64 | 4.68 | 5.54 | 6.06 | 6.51 | 6.01 |
| Eom | 7.36 | 7.66 | 1.13 | 1.41 | 5.69 | 3.04 | 4.00 | 4.83 | 5.61 | 6.16 | 6.59 | 5.76 |
| 1965 | | | | | | | | | | | | |
| 5 | -5.33 | -4.25 | -0.42 | -1.73 | -1.96 | -3.99 | -3.62 | -4.04 | -4.01 | -2.72 | -2.16 | -2.68 |
| 10 | 5.26 | 2.24 | .72 | .85 | 2.38 | 2.08 | 3.26 | 3.84 | 4.24 | 2.84 | 2.24 | 2.96 |
| 15 | 5.33 | 1.26 | .82 | .80 | 2.82 | 3.00 | 3.38 | 4.10 | 2.39 | 2.92 | 2.27 | 3.04 |
| 20 | 5.45 | 1.31 | .82 | 1.53 | 3.23 | 3.59 | 3.63 | 4.33 | 2.71 | 3.09 | 2.35 | 3.18 |
| 25 | 4.39 | .66 | .44 | .66 | 3.53 | 4.20 | 3.73 | 4.46 | 3.01 | 1.57 | 2.52 | 3.40 |
| Eom | 4.10 | .78 | 1.30 | 1.26 | 3.96 | 4.68 | 3.86 | 4.42 | 3.24 | 1.93 | 2.59 | 3.54 |
| 1966 | | | | | | | | | | | | |
| 5 | -1.41 | -2.04 | -1.21 | -3.17 | -0.56 | -1.41 | -2.59 | -2.54 | -3.60 | -4.22 | -4.04 | -4.11 |
| 10 | 1.00 | 1.02 | 1.82 | 2.46 | .18 | 1.30 | 2.81 | 2.83 | 3.87 | 4.35 | 3.67 | 1.72 |
| 15 | 1.20 | .22 | 2.13 | 2.06 | .30 | 1.64 | 1.66 | 2.38 | 4.06 | 4.53 | 3.25 | 1.29 |
| 20 | 1.52 | .83 | 2.46 | 2.06 | .55 | 1.92 | 2.23 | 2.79 | 4.13 | 4.68 | 3.62 | 1.40 |
| 25 | 1.61 | .83 | 2.49 | 1.28 | .93 | 2.14 | 2.46 | 3.07 | 3.92 | 4.81 | 3.84 | 1.72 |
| Eom | 1.86 | .80 | 2.86 | .07 | 1.22 | 2.34 | 2.73 | 3.43 | 4.16 | 4.90 | 4.00 | 1.81 |
| 1967 | | | | | | | | | | | | |
| 5 | -2.06 | -1.53 | -0.62 | -1.48 | -2.32 | -1.44 | -1.74 | -2.94 | -4.20 | -4.68 | -4.82 | -4.78 |
| 10 | 2.22 | 1.68 | .13 | 1.80 | 1.99 | 1.65 | 2.06 | 3.27 | 4.36 | 4.80 | 5.07 | 4.89 |
| 15 | 2.42 | 1.67 | .28 | 1.84 | 1.08 | 1.85 | 2.42 | 3.54 | 4.55 | 4.94 | 5.08 | 4.34 |
| 20 | 2.64 | 1.78 | .58 | 2.22 | 1.34 | 1.99 | 2.24 | 3.70 | 4.70 | 4.97 | 4.77 | 4.43 |
| 25 | 2.70 | 2.02 | .38 | 1.81 | 1.44 | 2.20 | 2.54 | 3.41 | 4.79 | 5.09 | 4.93 | 3.60 |
| Eom | 2.45 | 2.06 | .94 | 2.15 | 1.23 | 1.92 | 2.61 | 3.87 | 4.34 | 5.24 | 5.14 | 3.84 |

Lucas County

413704N0833622.1. Local number Lu-1. State of Ohio. Toledo State Hospital. Detroit Ave. and Arlington St., Toledo. 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: 1946-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 92.60 | 92.65 | 92.15 | 92.40 | 92.70 | ..... | 93.67 | 94.70 | 95.10 | ..... | 96.95 | 96.80 |
| 10 | 92.35 | 92.40 | 92.50 | 92.35 | 92.70 | ..... | ..... | 94.65 | 95.15 | 95.85 | 97.25 | 96.45 |
| 15 | 92.85 | 92.90 | 92.65 | 92.35 | 92.70 | ..... | 94.38 | 94.80 | 95.55 | 96.00 | 97.50 | 97.40 |
| 20 | 92.35 | 92.25 | 91.90 | 92.35 | 92.70 | ..... | ..... | 94.60 | ..... | 97.10 | 97.10 | 96.85 |
| 25 | 92.75 | 92.65 | 92.25 | 92.45 | 92.70 | 94.10 | 94.53 | 94.85 | ..... | 97.40 | 97.15 | 96.10 |
| Eom | 92.70 | 92.40 | 92.65 | 92.45 | 92.70 | ..... | 94.45 | ..... | ..... | 97.35 | 96.65 | 96.25 |
| 1964 | | | | | | | | | | | | |
| 5 | 95.90 | 95.20 | 95.10 | 95.35 | 94.75 | 94.60 | 94.30 | 95.00 | 95.00 | 95.60 | 94.20 | 92.70 |
| 10 | 96.05 | 95.70 | 95.00 | 95.10 | 94.80 | 94.50 | 94.20 | 94.90 | 94.70 | 95.85 | 93.65 | 92.60 |
| 15 | 95.85 | 95.45 | 95.05 | 95.05 | 94.95 | 94.20 | 94.45 | 95.00 | 95.10 | 95.35 | 93.90 | 92.65 |
| 20 | 95.80 | 95.25 | 95.00 | 94.85 | 94.85 | 94.25 | 94.50 | 94.80 | 95.15 | 95.40 | 93.05 | 92.45 |
| 25 | 95.25 | 95.10 | 94.80 | 94.95 | 94.85 | 94.45 | 94.60 | 94.80 | 95.40 | 95.00 | 92.70 | 91.90 |
| Eom | 95.70 | 95.20 | 95.10 | 94.80 | 94.70 | 94.25 | 95.10 | 94.95 | 95.50 | 94.75 | 92.95 | 92.60 |
| 1965 | | | | | | | | | | | | |
| 5 | 92.10 | 92.80 | 92.05 | 92.60 | 92.65 | 93.70 | 94.70 | 95.65 | 96.25 | 96.20 | 96.00 | 95.20 |
| 10 | 92.15 | 92.50 | 92.65 | 92.70 | 92.90 | 93.85 | 94.85 | 95.90 | 96.15 | 96.05 | 95.65 | 95.55 |
| 15 | 92.05 | 92.70 | 92.50 | 92.40 | 93.10 | ..... | 94.85 | 95.85 | 96.10 | 95.95 | 95.65 | 95.45 |
| 20 | 91.95 | 92.65 | 92.90 | 92.60 | 93.55 | ..... | 95.30 | 96.10 | 96.50 | 95.75 | 95.50 | 95.30 |
| 25 | 91.85 | 92.10 | 92.65 | 92.45 | 93.50 | ..... | 95.40 | 96.10 | 96.75 | 96.00 | 95.65 | 95.80 |
| Eom | 92.15 | 92.65 | 92.95 | 92.40 | 93.65 | 94.45 | 95.50 | 96.10 | 96.20 | 95.90 | 95.70 | 95.25 |
| 1966 | | | | | | | | | | | | |
| 5 | 95.30 | 95.10 | 94.45 | 94.30 | 94.55 | 95.10 | 95.90 | 97.25 | 97.75 | 97.05 | 97.10 | 96.30 |
| 10 | 95.30 | 94.60 | 94.95 | 94.70 | 95.00 | 95.50 | 96.60 | 97.35 | 97.70 | 96.70 | 96.30 | 96.10 |
| 15 | 95.10 | 95.25 | 94.75 | 94.60 | 94.70 | 95.40 | 97.25 | 97.25 | 97.70 | 97.00 | 96.85 | 96.20 |
| 20 | 95.05 | 95.40 | 94.90 | 94.40 | 94.80 | 95.60 | 97.40 | 97.85 | 97.15 | 97.15 | 96.95 | 96.00 |
| 25 | 95.10 | 94.40 | 94.80 | 94.50 | 94.95 | 95.75 | 97.40 | 97.60 | 97.25 | 97.00 | 96.40 | 96.15 |
| Eom | 94.85 | 94.70 | 94.30 | 94.55 | 95.20 | 95.80 | 97.20 | 97.90 | 96.90 | 96.70 | 96.10 | 96.05 |
| 1967 | | | | | | | | | | | | |
| 5 | 95.90 | ..... | 95.10 | 94.50 | ..... | 95.15 | 94.75 | 94.70 | 94.75 | 94.60 | 94.25 | 93.65 |
| 10 | 95.70 | ..... | 95.10 | 94.80 | 94.80 | ..... | ..... | 94.80 | 94.80 | 94.50 | 94.00 | 93.50 |
| 15 | 95.80 | 95.10 | 95.55 | 94.50 | ..... | ..... | ..... | 94.60 | 94.55 | 94.40 | 94.20 | 93.80 |
| 20 | 95.75 | 95.15 | 95.20 | 94.90 | ..... | ..... | ..... | 94.50 | 94.45 | 94.35 | 94.15 | 93.70 |
| 25 | ..... | 95.75 | 95.00 | ..... | ..... | ..... | ..... | 95.65 | 94.70 | 93.90 | 93.00 | 93.15 |
| Eom | ..... | 95.45 | 94.90 | ..... | ..... | ..... | ..... | 94.95 | 94.70 | 94.10 | 93.90 | 93.45 |

Mahoning County

410039N0804538.1 (revised). Local number Ma-1. City of Canfield. 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: 1946-67.

410039N0804538.1--Continued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | 37.19 | 36.65 | 36.15 | 35.79 | 35.67 | 35.98 | 36.61 | 37.06 | 37.61 | 38.68 | 38.52 |
| 10 | 37.72 | 37.15 | 36.84 | 35.97 | 35.91 | 35.57 | 36.14 | 36.72 | 37.19 | 38.23 | 38.68 | 38.48 |
| 15 | 37.60 | 37.12 | 36.75 | 35.92 | 35.53 | 35.74 | 36.18 | 36.85 | 37.33 | 38.40 | 38.63 | 38.43 |
| 20 | 37.44 | 36.95 | 36.50 | 35.65 | 35.52 | 35.67 | 36.25 | 36.82 | 37.57 | 38.55 | 38.79 | 38.27 |
| 25 | 37.37 | 37.00 | 36.50 | 35.63 | 35.58 | 35.88 | 36.48 | 36.88 | 37.44 | 38.82 | 38.78 | 38.23 |
| Eom | 37.22 | 36.94 | 36.33 | 35.65 | 35.62 | 35.93 | 36.52 | 37.00 | 37.49 | 38.79 | 38.73 | 38.62 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 38.30 | 37.63 | 37.02 | 36.40 | 35.39 | 35.80 | 36.44 | 37.35 | 39.19 | 39.97 | 40.34 | 40.53 |
| 10 | 38.16 | 37.51 | 36.95 | 36.13 | 35.63 | 36.09 | 36.62 | 37.57 | 39.49 | 39.90 | 40.82 | 40.40 |
| 15 | 38.01 | 37.45 | 36.84 | 35.90 | 35.27 | 35.94 | 36.84 | 38.07 | 39.55 | 40.03 | 41.17 | 40.46 |
| 20 | 38.00 | 37.25 | 36.86 | 35.72 | 35.31 | 36.16 | 36.89 | 38.21 | 39.90 | 40.10 | 40.88 | 40.34 |
| 25 | 37.97 | 37.13 | 36.56 | 35.68 | 35.45 | 36.23 | 37.08 | 38.71 | 39.81 | 40.06 | 40.67 | 40.42 |
| Eom | 37.84 | 37.09 | 36.78 | 35.45 | 35.95 | 36.30 | 37.38 | 39.21 | 39.90 | 40.36 | 40.54 | 40.33 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 40.15 | 38.68 | 38.03 | 37.12 | 37.38 | 37.74 | 38.88 | 40.52 | 40.86 | 39.59 | 38.45 | 37.24 |
| 10 | 39.92 | 38.90 | 37.69 | 37.20 | 37.31 | 37.80 | 39.22 | 40.19 | 40.67 | 39.10 | 38.45 | 37.20 |
| 15 | 39.50 | 38.60 | 37.62 | 37.20 | 37.47 | 38.01 | 39.24 | 40.26 | 41.80 | 38.92 | 38.88 | 37.02 |
| 20 | 39.07 | 38.42 | 37.55 | 37.35 | 37.64 | 38.14 | 39.59 | 40.46 | 42.45 | 39.15 | 37.97 | 36.75 |
| 25 | 39.18 | 37.99 | 37.48 | 37.49 | 37.75 | 38.55 | 39.90 | 40.30 | 43.04 | 38.89 | 37.65 | 36.88 |
| Eom | 39.01 | 37.95 | 37.40 | 37.37 | 37.83 | 38.64 | 40.20 | 40.62 | 40.03 | 38.73 | 37.55 | 36.96 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 36.80 | 35.97 | 35.37 | 34.77 | 34.40 | 35.28 | 36.00 | 37.64 | 38.11 | 38.83 | 38.76 | 38.17 |
| 10 | 36.35 | 36.14 | 35.37 | 34.72 | 34.43 | 35.64 | 36.42 | 37.61 | 38.51 | 38.85 | 38.70 | 38.75 |
| 15 | 36.06 | 36.14 | 35.23 | 34.70 | 34.51 | 35.72 | 36.84 | 37.30 | 38.62 | 39.37 | 38.63 | 38.45 |
| 20 | 36.21 | 35.85 | 35.17 | 34.58 | 34.72 | 35.64 | 37.14 | 37.79 | 38.55 | 39.44 | 38.80 | 38.08 |
| 25 | 36.25 | 35.65 | 35.04 | 34.52 | 34.78 | 36.35 | 37.41 | 37.76 | 38.66 | 39.13 | 38.68 | 38.03 |
| Eom | 35.99 | 35.46 | 34.82 | 34.43 | 34.66 | 36.30 | 37.48 | 37.84 | 38.94 | 38.94 | 38.55 | 37.08 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 37.14 | 36.57 | 35.38 | 34.85 | 34.55 | 34.38 | 34.98 | 36.30 | 35.87 | 36.23 | 36.71 | 35.91 |
| 10 | 37.14 | 36.25 | 35.33 | 34.67 | 34.35 | 34.54 | 35.10 | 35.73 | 35.96 | 36.04 | 37.13 | 36.28 |
| 15 | 37.30 | 36.01 | 35.10 | 34.66 | 34.23 | 34.84 | 37.10 | 35.40 | 36.13 | 35.92 | 37.05 | 36.46 |
| 20 | 36.93 | 35.83 | 34.98 | 34.63 | 34.25 | 34.84 | 44.19 | 35.43 | 36.26 | 35.80 | 36.70 | 36.26 |
| 25 | 37.10 | 35.77 | 34.93 | 34.63 | 34.40 | 35.00 | 44.19 | 35.46 | 36.13 | 35.84 | 36.40 | 35.96 |
| Eom | 36.71 | 35.60 | 35.05 | 34.56 | 34.23 | 35.06 | 37.58 | 35.70 | 36.27 | 36.41 | 36.42 | 35.93 |

Marion County

403601N0831104.1 (revised). Local number Mn-2. City of Marion. 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 8.68 below lsd, May 18, 1967; lowest 49.50 below lsd, Feb. 11, 1956. Records available: 1950-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 27.50 | 26.30 | 27.84 | 28.75 | 21.61 | 20.65 | 22.29 | 28.37 | 30.81 | 34.44 | 36.07 | 38.10 |
| 10 | 27.05 | 25.84 | 26.62 | 28.15 | 21.32 | 20.37 | 21.97 | 28.75 | 31.05 | 34.42 | 36.59 | 38.39 |
| 15 | 26.79 | 26.07 | 25.99 | 22.80 | 21.10 | 20.18 | 24.02 | 29.16 | 31.44 | 35.00 | 36.81 | 38.64 |
| 20 | 26.37 | 25.90 | 24.63 | 22.50 | 20.89 | 22.52 | 25.12 | 28.78 | 32.30 | 35.10 | 37.07 | 39.04 |
| 25 | 26.15 | 27.20 | 24.99 | 22.22 | 21.21 | 21.56 | 25.32 | 29.27 | 33.05 | 35.91 | 37.15 | 39.31 |
| Eom | 26.32 | 27.38 | 24.00 | 21.90 | 21.11 | 22.50 | 27.17 | 30.23 | 33.93 | 36.02 | 37.70 | 39.61 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 38.20 | 37.77 | 37.78 | 29.32 | 20.65 | 20.12 | 19.65 | 27.26 | 30.86 | 33.26 | 35.82 | 36.24 |
| 10 | 39.89 | 37.37 | 36.50 | 27.94 | 20.72 | 19.92 | 20.55 | 27.91 | 31.52 | 33.45 | 36.07 | 35.87 |
| 15 | 40.40 | 37.64 | 34.20 | 27.25 | 20.77 | 19.71 | 22.40 | 28.15 | 32.05 | 34.06 | 36.36 | 35.40 |
| 20 | 40.70 | 37.86 | 31.55 | 26.83 | 20.70 | 19.47 | 23.82 | 28.70 | 32.47 | 34.31 | 35.94 | 35.86 |
| 25 | 38.70 | 38.37 | 30.49 | 22.51 | 20.52 | 19.34 | 25.02 | 29.08 | 32.97 | 35.19 | 36.27 | 36.29 |
| Eom | 37.95 | 38.94 | 29.82 | 20.53 | 20.28 | 19.39 | 26.40 | 30.14 | 33.32 | 35.63 | 36.48 | 35.39 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 34.47 | 32.04 | 29.00 | 26.24 | 23.65 | 22.19 | 24.04 | 30.04 | 33.78 | 37.34 | 36.62 | 31.38 |
| 10 | 33.73 | 31.50 | 28.38 | 25.84 | 23.35 | 21.98 | 25.26 | 30.65 | 34.26 | 37.50 | 34.80 | 30.99 |
| 15 | 33.14 | 30.91 | 27.85 | 25.30 | 23.12 | 21.73 | 26.60 | 31.24 | 34.85 | 37.85 | 33.82 | 30.55 |
| 20 | 34.02 | 30.26 | 27.50 | 24.83 | 22.90 | 22.00 | 27.64 | 32.07 | 35.44 | 38.60 | 33.05 | 30.15 |
| 25 | 33.08 | 29.67 | 27.14 | 24.50 | 22.78 | 24.16 | 29.05 | 32.55 | 36.16 | 37.24 | 32.45 | 29.76 |
| Eom | 32.29 | 29.48 | 26.73 | 24.04 | 22.47 | 24.39 | 29.90 | 33.82 | 36.73 | 35.77 | 31.92 | 29.42 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 29.10 | 28.03 | 25.36 | 23.53 | 21.91 | 20.29 | ..... | 16.73 | ..... | 16.54 | 20.18 | 16.96 |
| 10 | 28.64 | 27.81 | 25.16 | 23.34 | 21.60 | 20.14 | ..... | 16.63 | 16.05 | 16.84 | 19.12 | 16.40 |
| 15 | 28.28 | 27.10 | 24.80 | 23.11 | 21.30 | 19.93 | 17.87 | 16.48 | 16.26 | 17.36 | 18.40 | 15.03 |
| 20 | 28.22 | 26.38 | 24.48 | 22.84 | 21.03 | 19.79 | 16.92 | 16.26 | 16.36 | 17.35 | 17.88 | ..... |
| 25 | 27.85 | 25.90 | 24.19 | 22.60 | 20.78 | 19.64 | 16.90 | 16.14 | 16.24 | 17.82 | 17.47 | ..... |
| Eom | 27.79 | 25.70 | 23.78 | 22.25 | 20.49 | ..... | 16.87 | ..... | 16.41 | 19.23 | 17.21 | 14.19 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.05 | 12.77 | 12.41 | ..... | 9.59 | 9.31 | 10.21 | 11.17 | 14.96 | 17.13 | 16.71 | 18.78 |
| 10 | 13.83 | 12.66 | 12.10 | ..... | 9.00 | 9.38 | 10.25 | 11.32 | ..... | 16.60 | 19.39 | 18.25 |
| 15 | 13.68 | 12.68 | 11.75 | ..... | 8.71 | 9.60 | 10.65 | 11.66 | ..... | 19.80 | 19.54 | 17.86 |
| 20 | 13.52 | 12.42 | 11.40 | 10.01 | 8.98 | 9.69 | 11.11 | 12.06 | ..... | 20.22 | 16.66 | 17.48 |
| 25 | 13.47 | 12.30 | 11.00 | 9.68 | 9.03 | 9.96 | 11.15 | 12.54 | ..... | 19.91 | 16.24 | 16.96 |
| Eom | 13.13 | 12.46 | ..... | 9.51 | 9.21 | 10.04 | 11.12 | 14.64 | ..... | 20.02 | 16.03 | 16.55 |

Medina County

410142N0820059.1 (revised). Local number Md-1. City of Lodi. 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 platform, 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: 1946-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | ..... | 21.50 | 21.00 | 19.50 | ..... | ..... | 24.00 | 24.80 | 24.40 | 22.30 | 21.40 |
| 10 | ..... | 21.40 | 21.00 | 19.60 | 19.90 | ..... | 22.70 | 23.30 | 24.40 | 22.60 | 21.40 |
| 15 | 22.60 | 21.00 | 19.80 | 19.40 | ..... | ..... | 22.80 | 23.60 | 24.40 | 23.80 | 21.60 |
| 20 | ..... | 21.00 | 19.70 | 19.70 | 19.10 | 21.70 | 23.10 | 23.60 | 24.40 | 22.30 | 21.60 |
| 25 | 21.50 | 21.10 | 19.60 | 20.80 | ..... | 22.40 | ..... | 23.60 | 22.00 | 22.50 | ..... |
| Eom | 21.80 | 21.10 | 19.40 | ..... | ..... | 22.40 | 24.00 | 23.30 | 21.90 | 22.40 | ..... |
| 1964 | | | | | | | | | | | |
| 5 | 22.00 | 21.70 | 21.20 | 19.20 | 18.50 | 21.50 | 21.00 | 22.60 | 22.90 | 23.20 | 23.50 |
| 10 | 21.90 | 21.20 | 20.30 | 19.10 | 18.60 | 20.40 | 20.80 | 22.80 | 23.40 | 22.80 | 23.80 |
| 15 | ..... | 22.20 | 19.50 | 19.10 | 19.70 | 21.10 | 20.80 | 20.50 | 21.00 | 23.10 | 21.50 |
| 20 | ..... | 21.30 | 19.30 | 19.90 | 21.10 | 22.60 | 22.40 | 20.80 | 21.10 | 23.50 | 23.00 |
| 25 | ..... | 21.60 | 19.10 | 18.60 | 20.00 | 20.60 | 23.50 | 22.90 | 22.60 | 22.70 | 23.10 |
| Eom | 18.50 | 21.70 | 19.30 | 19.40 | 20.00 | 20.60 | 22.80 | 21.00 | 21.10 | 21.50 | 21.70 |
| 1965 | | | | | | | | | | | |
| 5 | 20.30 | 19.30 | 20.00 | 17.40 | 18.10 | 22.50 | 23.30 | 24.30 | 25.30 | 25.00 | 23.60 |
| 10 | 19.00 | 18.90 | 20.30 | ..... | 20.20 | 22.80 | 23.80 | 24.20 | 25.60 | 19.90 | 23.20 |
| 15 | 21.10 | 20.60 | 20.50 | ..... | 18.20 | 22.80 | 19.70 | 25.00 | 25.30 | 24.00 | 23.20 |
| 20 | 20.10 | 18.60 | 17.80 | ..... | 23.80 | 18.70 | 23.80 | 24.90 | 25.40 | 19.80 | 23.10 |
| 25 | 19.50 | 20.50 | 17.80 | ..... | 26.40 | 23.30 | 24.30 | 25.00 | 24.90 | 23.40 | 23.10 |
| Eom | 20.90 | 18.60 | 17.60 | 17.90 | 22.50 | 24.80 | 24.60 | 25.10 | 24.80 | 23.80 | 23.40 |
| 1966 | | | | | | | | | | | |
| 5 | 17.00 | 17.40 | 20.80 | 16.50 | 15.90 | 23.00 | 23.40 | 23.20 | 23.00 | 23.50 | 22.80 |
| 10 | 22.00 | 21.50 | 20.80 | 19.90 | 20.80 | 22.20 | 23.20 | 24.20 | 23.40 | 23.20 | 17.40 |
| 15 | 17.70 | 21.60 | 21.00 | 21.00 | 16.40 | 22.70 | 23.80 | 23.00 | 18.60 | 23.00 | 13.50 |
| 20 | 15.90 | 21.20 | 20.50 | 21.40 | 16.80 | 18.00 | 18.40 | 23.00 | 23.10 | 23.30 | 22.00 |
| 25 | 22.70 | 20.80 | 21.20 | 21.60 | 15.20 | 23.50 | 23.00 | 22.50 | 18.30 | 23.00 | 21.30 |
| Eom | ..... | 20.70 | 22.20 | 21.00 | 17.00 | 23.40 | 18.40 | 19.80 | 23.30 | 23.30 | 17.00 |
| 1967 | | | | | | | | | | | |
| 5 | 20.20 | 20.70 | 20.30 | 21.00 | 20.70 | 20.60 | 22.40 | 25.90 | 27.60 | 18.18 | 20.70 |
| 10 | 16.60 | 21.00 | 20.70 | 19.50 | 20.40 | 21.80 | 24.80 | 27.50 | 26.40 | 22.70 | 21.40 |
| 15 | 16.20 | 21.00 | 20.00 | 20.40 | 20.00 | 23.00 | 25.40 | 26.90 | 24.50 | 17.90 | 22.00 |
| 20 | 17.70 | 20.80 | 20.40 | 20.40 | 20.30 | 22.60 | 24.00 | 29.00 | 24.20 | 22.20 | 17.30 |
| 25 | 21.00 | 20.60 | 20.40 | 20.70 | 14.90 | 22.80 | 25.22 | 30.50 | 23.50 | 22.20 | 21.40 |
| Eom | 15.10 | 20.30 | 22.40 | 20.30 | 11.60 | 23.00 | 25.40 | 29.60 | 22.70 | 21.60 | 17.00 |

Montgomery County

394531N0841121.1 Local number Mt-2. Dayton Power and Light Co. 118 East 4th St. 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 46.20 below lsd, July 7, Nov. 15, 1966; well dry below 46.20. Records available: 1942-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | 38.98 | 39.62 | 40.00 | 34.41 | 34.65 | 37.30 | 40.60 | 42.08 | 43.06 | 43.63 | 43.60 |
| 10 | 39.28 | 39.54 | 38.46 | 34.17 | 35.38 | 37.86 | 40.82 | 42.95 | 43.11 | 43.58 | 43.87 |
| 15 | 39.22 | 39.83 | 36.63 | 34.06 | 35.64 | 38.70 | ..... | 43.24 | 43.49 | 43.48 | 43.69 |
| 20 | 39.26 | 39.87 | 35.27 | 34.65 | 35.85 | 39.24 | ..... | 43.09 | 43.77 | 43.90 | 43.70 |
| 25 | 39.44 | 39.91 | 34.14 | 34.58 | 36.24 | 39.46 | 42.46 | 43.25 | 43.42 | 44.21 | 43.68 |
| Eom | 39.59 | 40.15 | 34.16 | 34.55 | 36.55 | 40.37 | 42.25 | 43.45 | 43.25 | 44.04 | 43.55 |
| 1964 | | | | | | | | | | | |
| 5 | 42.77 | 41.73 | 40.50 | 36.07 | 32.74 | 34.81 | 37.71 | 39.70 | 41.51 | 41.25 | 42.07 |
| 10 | 43.08 | 41.07 | 39.73 | 35.50 | 33.25 | 35.40 | 38.26 | 39.90 | 41.12 | 41.58 | 41.97 |
| 15 | 42.82 | 40.88 | 38.10 | 35.43 | 33.61 | 35.89 | 38.47 | 40.45 | 40.94 | 41.57 | 42.32 |
| 20 | 42.52 | 40.53 | 36.81 | 35.38 | 33.80 | 36.51 | 39.06 | 40.45 | 41.42 | 41.48 | 42.22 |
| 25 | 42.81 | 40.28 | 36.35 | 34.67 | 34.24 | 36.93 | 39.85 | 40.52 | 41.80 | 41.55 | 41.46 |
| Eom | 42.42 | 40.43 | 36.02 | 32.98 | 34.56 | 37.33 | 39.37 | 40.86 | 41.30 | 41.90 | 41.15 |
| 1965 | | | | | | | | | | | |
| 5 | 39.31 | 38.80 | 37.59 | 36.10 | 35.50 | 38.45 | 41.32 | 43.09 | ..... | 44.91 | 44.00 |
| 10 | 39.68 | 38.82 | 36.66 | 36.59 | 36.08 | 39.00 | 41.94 | 43.48 | 45.50 | 45.03 | 43.86 |
| 15 | 39.55 | 38.12 | 36.06 | 36.06 | 36.86 | 39.45 | 42.32 | 44.02 | ..... | 44.95 | 43.53 |
| 20 | 39.31 | 37.93 | 36.18 | 35.48 | 37.54 | 40.05 | 42.60 | 44.89 | ..... | 45.13 | 43.46 |
| 25 | 39.19 | 37.70 | 36.07 | 35.85 | 37.89 | 40.86 | 43.29 | 45.02 | ..... | 44.65 | 43.15 |
| Eom | 38.95 | 37.59 | 35.98 | 35.40 | 37.78 | 41.35 | 43.00 | 45.26 | 45.50 | 44.07 | 42.60 |
| 1966 | | | | | | | | | | | |
| 5 | 42.08 | 41.37 | 39.93 | 40.81 | 41.60 | 41.67 | 45.70 | ..... | ..... | ..... | 44.06 |
| 10 | 41.53 | 41.42 | 39.91 | 40.79 | 41.34 | 42.67 | 46.20 | 46.20 | ..... | ..... | 44.22 |
| 15 | 41.34 | 40.64 | 40.26 | 41.31 | 41.50 | 44.03 | ..... | ..... | ..... | ..... | 46.16 |
| 20 | 41.20 | 40.08 | 40.66 | 41.81 | 41.80 | 44.31 | ..... | ..... | ..... | ..... | 45.62 |
| 25 | 41.14 | 39.83 | 41.00 | 42.00 | 41.54 | 45.40 | ..... | ..... | ..... | ..... | 45.07 |
| Eom | 41.07 | 39.58 | 40.79 | 42.39 | 41.31 | 45.60 | ..... | ..... | ..... | ..... | 39.98 |

394531N0841121.1—Continued.

| 1967 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 39.86 | 41.00 | 40.92 | 37.74 | 38.80 | 36.81 | 42.54 | 45.07 | 46.20 | ..... | ..... | ..... |
| 10 | 40.00 | 40.57 | 40.23 | 37.61 | 38.09 | 38.31 | 43.03 | 45.49 | ..... | ..... | ..... | 46.20 |
| 15 | 40.36 | 40.55 | 39.50 | 38.03 | 36.86 | 39.54 | 43.93 | 45.59 | ..... | ..... | ..... | 45.83 |
| 20 | 40.77 | 40.46 | 38.42 | 38.33 | 36.65 | 40.83 | 44.17 | 46.20 | ..... | ..... | ..... | 44.92 |
| 25 | 41.35 | 40.88 | 37.98 | 38.24 | 36.50 | 41.98 | 44.39 | ..... | ..... | ..... | ..... | 44.19 |
| Eom | 41.12 | 40.74 | 37.85 | 38.49 | 36.53 | 42.58 | 44.20 | ..... | ..... | ..... | ..... | 43.01 |

394425N0841132.1. Local number Mt-3. State Highway Dept. Stewart St., Patterson Blvd., and Miami River. 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 78.97 below lsd, Dec. 5, 1967. Records available: 1945-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 65.34 | 66.26 | 67.20 | 62.00 | 61.22 | 62.27 | ..... | 67.40 | 66.26 | ..... | 69.97 | 70.62 |
| 10 | 65.76 | 66.55 | 64.75 | 61.66 | 61.87 | 62.63 | ..... | 66.98 | 66.75 | 69.26 | 70.10 | 70.47 |
| 15 | 65.65 | 67.21 | 63.17 | 61.42 | 61.72 | 63.58 | ..... | 66.32 | 67.60 | 70.30 | 70.44 | 70.48 |
| 20 | 66.23 | 67.20 | 61.81 | 62.30 | 61.90 | 63.81 | 66.30 | 65.67 | 68.36 | 70.30 | 70.42 | 70.75 |
| 25 | 66.50 | 66.89 | 60.40 | 61.64 | 62.75 | 63.79 | 66.88 | 65.10 | 68.45 | 70.30 | 70.68 | 70.31 |
| Eom | 66.48 | 67.34 | 61.45 | 61.22 | 62.48 | 64.51 | 67.34 | 66.17 | ..... | 70.30 | 70.74 | ..... |

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 70.06 | 71.92 | 72.93 | 66.51 | 61.92 | 62.50 | 64.82 | 66.19 | 67.53 | 70.84 | 70.07 | 70.81 |
| 10 | 71.01 | 72.06 | ..... | 65.83 | 62.43 | 62.80 | 65.28 | 65.81 | 67.59 | 70.30 | 70.99 | 70.60 |
| 15 | 70.99 | 72.37 | ..... | ..... | 62.57 | 63.31 | 65.52 | 65.66 | 67.92 | 70.21 | 71.41 | 70.60 |
| 20 | 71.16 | 72.44 | ..... | ..... | 62.71 | 64.03 | 65.94 | 65.03 | 68.55 | 69.95 | 71.63 | 70.70 |
| 25 | 71.78 | 72.36 | 67.95 | 63.45 | 62.78 | 64.57 | 66.62 | 65.24 | 69.45 | 70.20 | 71.24 | 70.47 |
| Eom | 71.99 | 72.76 | 67.47 | 62.42 | 62.16 | 64.93 | 67.08 | 66.32 | 69.56 | 70.80 | 70.59 | 69.75 |

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 68.72 | 69.80 | 67.45 | 65.92 | 64.17 | 66.70 | 69.69 | 71.71 | 72.60 | 72.76 | 71.91 | 71.67 |
| 10 | 69.28 | 69.74 | 66.21 | 66.01 | 64.50 | 67.30 | 69.82 | 71.30 | 72.41 | 72.95 | 71.98 | 71.90 |
| 15 | 69.64 | 68.80 | 65.98 | 65.23 | 65.37 | 67.85 | 70.28 | 71.12 | 72.50 | 72.95 | 71.96 | 72.00 |
| 20 | 69.68 | 68.98 | 66.45 | 65.12 | 65.66 | 68.60 | 70.79 | 71.65 | 72.47 | 72.95 | 72.04 | 72.12 |
| 25 | 69.61 | 68.50 | 66.11 | 65.54 | 66.15 | 69.29 | 71.43 | 71.94 | 72.78 | 72.54 | 71.96 | 72.03 |
| Eom | 69.84 | 68.14 | 65.79 | 64.11 | 66.37 | 69.63 | 71.98 | 72.31 | 72.83 | 72.07 | 71.52 | 71.53 |

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 70.57 | 72.06 | 70.93 | 71.74 | 71.88 | 71.77 | 72.72 | 73.34 | 74.88 | 75.78 | 76.26 | 74.69 |
| 10 | 70.63 | 72.12 | 70.92 | 72.15 | 72.00 | 71.83 | 72.84 | 73.30 | 75.08 | 75.88 | 76.13 | 73.80 |
| 15 | 71.23 | 70.93 | 70.92 | 72.38 | 71.95 | 71.94 | 72.98 | 73.42 | 75.27 | 76.05 | 75.06 | 71.47 |
| 20 | 71.43 | 70.85 | 71.14 | 72.65 | 71.62 | 72.11 | 72.99 | 73.78 | 75.44 | 76.04 | 75.32 | 70.75 |
| 25 | 71.62 | 70.75 | 71.25 | 72.96 | 71.65 | 72.41 | 73.05 | 74.15 | 75.64 | 76.03 | 75.34 | 70.78 |
| Eom | 71.81 | 70.71 | 71.44 | 72.36 | 71.66 | 72.49 | 73.20 | 74.57 | 75.78 | 76.06 | 74.86 | 70.38 |

| 1967 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 70.14 | ..... | 74.46 | 70.08 | ..... | ..... | 68.91 | 71.46 | 73.51 | 76.07 | ..... | 78.97 |
| 10 | 70.83 | ..... | 73.39 | 69.58 | ..... | ..... | 69.25 | 71.32 | 73.90 | 76.90 | 78.88 | 77.69 |
| 15 | ..... | ..... | 72.50 | ..... | 65.80 | 66.70 | 70.00 | 71.50 | 74.44 | 77.70 | ..... | 77.28 |
| 20 | ..... | ..... | 71.74 | 69.64 | ..... | 67.13 | 70.50 | 72.05 | 74.74 | 78.50 | ..... | 77.48 |
| 25 | 72.78 | 74.36 | 70.99 | ..... | ..... | 67.94 | 70.88 | 72.84 | 74.95 | 78.63 | ..... | 76.51 |
| Eom | ..... | 74.06 | 70.78 | ..... | ..... | 68.70 | 71.38 | 73.41 | 75.40 | 78.74 | ..... | 76.14 |

394025N0841628.1 (revised). Local number Mt-49. E. F. Stenger. 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 24.88 below lsd, Nov. 4, 5, 7, 1966, Dec. 4, 1967. Records available: 1947-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 21.85 | 21.99 | 19.90 | 17.15 | 17.99 | 18.96 | 20.06 | 20.89 | 21.74 | 22.11 | 22.59 | 22.84 |
| 10 | 21.90 | ..... | 16.12 | 17.55 | 18.23 | 19.06 | 20.24 | 20.93 | 21.45 | 22.21 | 22.63 | 22.86 |
| 15 | 21.70 | ..... | 16.64 | 17.87 | 18.39 | 19.26 | 20.33 | 21.02 | 21.56 | 22.34 | 22.68 | 22.90 |
| 20 | 21.78 | 22.01 | 16.27 | 17.96 | 18.55 | 19.50 | 20.48 | 21.03 | 21.71 | 22.41 | 22.72 | 22.99 |
| 25 | 21.87 | 22.09 | 16.55 | 17.70 | 18.77 | 19.76 | 20.48 | 21.09 | 21.92 | 22.51 | 22.75 | 23.04 |
| Eom | 21.99 | 22.17 | 16.89 | 17.84 | 18.81 | 19.96 | 20.75 | 21.25 | 22.00 | 22.58 | 22.83 | 23.15 |

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 23.20 | 23.28 | 22.85 | 18.16 | 15.14 | 17.19 | 18.51 | 19.53 | 20.69 | 21.49 | 22.03 | 22.21 |
| 10 | 23.20 | 23.29 | 20.89 | 18.00 | 15.52 | 17.42 | 18.62 | 19.75 | 20.89 | 21.63 | 22.09 | ..... |
| 15 | 23.25 | 23.35 | 18.82 | 18.13 | 15.86 | 17.56 | 18.80 | 19.92 | 21.12 | 21.75 | 22.12 | ..... |
| 20 | 23.30 | 23.39 | 18.61 | 17.78 | 16.25 | 17.83 | 18.99 | 20.15 | 21.16 | 21.79 | 22.15 | ..... |
| 25 | 23.17 | 23.45 | 18.63 | 14.96 | 16.60 | 18.06 | 19.09 | 20.27 | 21.27 | 21.87 | 22.18 | ..... |
| Eom | 23.21 | 23.51 | 18.85 | 14.84 | 16.92 | 18.30 | 19.32 | 20.48 | 21.39 | 21.97 | 22.21 | 22.15 |

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | 19.32 | 18.78 | 17.03 | 18.50 | 19.80 | 20.78 | 21.65 | 21.89 | 22.19 | 22.86 |
| 10 | ..... | ..... | 18.61 | 18.11 | 17.28 | 18.70 | 19.87 | 20.96 | 21.78 | 21.87 | 22.33 | 22.97 |
| 15 | ..... | ..... | 18.48 | 17.76 | 17.55 | 18.98 | 20.06 | 21.11 | 21.65 | 21.96 | 22.41 | 23.04 |
| 20 | ..... | 20.33 | 18.57 | 17.81 | 17.78 | 19.21 | 20.24 | 21.30 | 21.64 | 22.04 | 22.57 | 23.18 |
| 25 | ..... | 20.13 | 18.49 | 17.75 | 17.97 | 19.92 | 20.39 | 21.44 | 21.70 | 21.85 | 22.69 | 23.30 |
| Eom | ..... | 19.99 | 18.62 | 16.96 | 18.26 | 19.65 | 20.60 | 21.58 | 21.82 | 22.03 | 22.72 | 23.40 |

394025N0841628.1--Continued.

| 1966 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 22.89 | 23.25 | 21.93 | 22.56 | 21.97 | 21.87 | 22.93 | 23.53 | 23.92 | 24.23 | 24.88 | 24.46 |
| 10 | 22.66 | 23.19 | 22.04 | 22.67 | 21.83 | 22.03 | 23.09 | 23.61 | 24.05 | 24.32 | 24.55 | 23.53 |
| 15 | 22.80 | 22.01 | 22.10 | 22.73 | 21.61 | 22.22 | 22.94 | 23.47 | 24.13 | 24.41 | 24.24 | 22.20 |
| 20 | 22.92 | 21.94 | 22.21 | 22.83 | 21.35 | 22.38 | 23.13 | 23.60 | 24.04 | 24.48 | 24.41 | 22.30 |
| 25 | 23.04 | 22.01 | 22.27 | 22.82 | 21.46 | 22.66 | 23.26 | 23.72 | 24.06 | 24.60 | 24.57 | 22.44 |
| Eom | 23.15 | 22.03 | 22.43 | 22.19 | 21.69 | 22.79 | 23.38 | 23.87 | 24.13 | 24.81 | 24.32 | 22.61 |
| 1967 | | | | | | | | | | | | |
| 5 | 22.78 | 22.78 | 23.06 | 20.08 | 20.07 | 18.54 | 20.05 | 21.49 | 22.97 | 23.91 | ..... | 23.50 |
| 10 | 22.91 | 22.91 | 21.71 | 19.75 | 18.96 | 18.83 | 20.32 | 21.73 | 23.15 | 23.96 | ..... | 23.27 |
| 15 | 23.06 | 23.04 | 20.95 | 19.81 | 18.42 | 19.17 | 20.65 | 22.01 | 23.37 | 24.09 | ..... | 22.86 |
| 20 | 23.22 | 23.06 | 20.80 | 19.98 | 17.87 | 19.44 | 20.88 | 22.25 | 23.56 | 24.19 | ..... | 22.85 |
| 25 | 23.34 | 23.20 | 20.36 | 19.90 | 17.97 | 19.64 | 21.14 | 22.47 | 23.68 | 24.30 | ..... | 22.34 |
| Eom | 23.15 | 23.22 | 20.01 | 20.06 | 18.29 | 19.82 | 21.28 | 22.79 | 23.85 | 24.30 | 24.46 | 22.41 |

Muskingum County

395759N0815934.1 (revised). Local number Mu-1a. City of Zanesville. Drilled unused water-table well in gravel, diam 6 in, depth 135 ft, cased to 135. Lsd 700 ft (revised) above msl. MP floor of instrument shelter, 4.48 ft above lsd. Highest water level 8.50 below lsd, May 25, 1967; lowest 37.25 below lsd, Aug. 1, 2, 1954. Records available: 1942-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 22.05 | 23.10 | 24.45 | ..... | 16.20 | ..... | ..... | 19.00 | 22.10 | 21.70 | 21.05 | 20.90 |
| 10 | 22.15 | 23.20 | 20.30 | ..... | 16.20 | ..... | ..... | ..... | 22.10 | 22.00 | 20.40 | 21.05 |
| 15 | 21.85 | 23.45 | 17.50 | 13.95 | 18.20 | ..... | 18.95 | ..... | 22.10 | 21.80 | 21.00 | 21.30 |
| 20 | 21.65 | 23.85 | 14.00 | 14.60 | 18.20 | ..... | 19.30 | ..... | 22.10 | 22.00 | 20.00 | 22.40 |
| 25 | 21.80 | 23.95 | ..... | 13.70 | 18.20 | ..... | 19.70 | ..... | 21.60 | 21.35 | 21.05 | 22.65 |
| Eom | 23.20 | 23.85 | ..... | 15.30 | 18.20 | ..... | 19.70 | ..... | 21.05 | 20.70 | 20.50 | 22.60 |
| 1964 | | | | | | | | | | | | |
| 5 | 23.40 | 24.00 | 23.55 | ..... | ..... | ..... | 15.80 | 17.45 | 18.90 | 19.90 | 19.30 | 20.00 |
| 10 | 24.05 | 23.85 | 21.10 | ..... | ..... | ..... | 16.40 | 17.60 | ..... | 20.15 | ..... | ..... |
| 15 | 23.35 | 23.35 | 12.45 | ..... | ..... | ..... | 16.45 | 17.95 | ..... | 20.20 | ..... | 19.70 |
| 20 | 23.45 | 23.40 | 11.40 | ..... | ..... | ..... | 16.40 | 17.95 | ..... | 19.65 | 19.60 | 19.50 |
| 25 | 23.10 | 23.65 | 10.50 | ..... | ..... | ..... | ..... | 18.50 | 20.00 | 18.40 | 19.80 | 19.90 |
| Eom | 23.45 | 23.70 | 8.75 | ..... | ..... | ..... | 17.90 | 18.20 | 19.95 | 19.50 | 20.10 | 18.80 |
| 1965 | | | | | | | | | | | | |
| 5 | 18.60 | 18.30 | 16.70 | 16.90 | 16.80 | 18.60 | 19.65 | 20.15 | 19.80 | ..... | 18.65 | 19.20 |
| 10 | 18.85 | 19.90 | 16.20 | 17.10 | 16.95 | 18.95 | 19.65 | 19.55 | 19.95 | ..... | 19.15 | 19.70 |
| 15 | 19.25 | 17.35 | 16.45 | 16.15 | 17.65 | 19.00 | 20.35 | 19.70 | 19.20 | ..... | 18.80 | 19.80 |
| 20 | 19.85 | 17.35 | 17.15 | 16.00 | 17.95 | 19.25 | 20.50 | 20.45 | 18.90 | ..... | 19.20 | 20.20 |
| 25 | 19.35 | 18.60 | 17.10 | 16.35 | 18.70 | 19.85 | ..... | 20.85 | 19.50 | 18.90 | 19.45 | 20.90 |
| Eom | 17.30 | 17.85 | 16.50 | 15.75 | 18.70 | 20.45 | 20.25 | 20.35 | ..... | 18.60 | 19.50 | 20.60 |
| 1966 | | | | | | | | | | | | |
| 5 | 20.10 | 22.05 | 18.70 | 19.90 | 16.10 | 17.75 | 21.20 | 21.60 | 21.90 | 22.60 | 21.50 | 21.20 |
| 10 | 18.55 | 22.50 | 19.35 | 19.90 | 16.45 | 18.85 | 21.75 | 22.20 | 21.70 | 22.45 | 21.50 | 20.90 |
| 15 | 18.90 | 20.90 | 19.10 | 20.35 | 15.80 | 19.20 | 21.10 | 22.10 | 21.85 | 22.40 | 20.80 | 19.00 |
| 20 | 19.85 | 18.15 | 19.20 | 20.30 | 16.15 | 19.70 | 20.55 | 20.95 | 22.75 | 21.70 | 20.50 | 19.10 |
| 25 | 20.50 | 18.20 | 19.45 | 20.60 | 16.95 | 20.90 | 20.55 | 21.30 | 22.20 | 21.75 | 20.55 | 19.15 |
| Eom | 21.05 | 18.10 | 19.50 | 19.20 | 17.30 | 21.10 | 21.60 | 21.80 | 22.60 | 21.60 | 20.60 | 20.20 |
| 1967 | | | | | | | | | | | | |
| 5 | 20.60 | 21.15 | 20.95 | 12.30 | 13.25 | 13.45 | 17.35 | 18.60 | 19.60 | 19.00 | 19.20 | 22.65 |
| 10 | 21.10 | 20.60 | 19.15 | 13.20 | 12.10 | 15.40 | 18.15 | 19.10 | 19.20 | 19.55 | 19.30 | 20.90 |
| 15 | 20.95 | 21.00 | 16.35 | 12.60 | 9.75 | 16.50 | 18.50 | 18.75 | 19.45 | 19.30 | 19.50 | 20.25 |
| 20 | 21.50 | 20.45 | 13.80 | 13.30 | ..... | 17.00 | 18.90 | 19.40 | 19.65 | 19.75 | 19.25 | 20.40 |
| 25 | 22.05 | 20.45 | 12.30 | 12.60 | 8.50 | 17.15 | 19.30 | 19.90 | 19.35 | 20.10 | 19.00 | 19.80 |
| Eom | 21.50 | 20.80 | 11.55 | 12.10 | ..... | 18.00 | 18.50 | 20.00 | 18.95 | 19.70 | 21.00 | 19.55 |

395655N0820128.1 (revised). Local number Mu-2a. State of Ohio. 300 ft from Licking River. Drilled unused artesian well in gravel, diam 8 in, depth 36 ft. Lsd 700 ft (revised) above msl. MP floor of instrument shelter, 7.14 ft above lsd. Highest water level 3.46 below lsd, Apr. 8, 1964; lowest 16.60 below lsd, Dec. 27, 28, 1960. Records available: 1960-67. This well replaced well Mu-2 in the same area, but water levels do not correlate.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 15.62 | 15.53 | 12.08 | 12.36 | 14.74 | 15.48 | 15.98 | 16.14 | 16.21 | 16.35 | 16.34 | ..... |
| 10 | 15.73 | 15.22 | 11.60 | 13.90 | 14.99 | 15.45 | 16.04 | 16.08 | 16.25 | 16.35 | 16.34 | ..... |
| 15 | 14.74 | 15.69 | 10.78 | 14.40 | 15.11 | 15.60 | 16.06 | 16.15 | 16.26 | 16.36 | 16.36 | ..... |
| 20 | 15.26 | 15.57 | 11.40 | 14.47 | 15.55 | 15.85 | 16.08 | 16.17 | 16.28 | 16.36 | ..... | 16.32 |
| 25 | 15.60 | 15.71 | 10.08 | 14.22 | 15.66 | 15.85 | 16.04 | 16.20 | 16.32 | 16.37 | ..... | 16.29 |
| Eom | 15.75 | 15.88 | 9.90 | 14.48 | 15.33 | 15.90 | 16.09 | 16.18 | 16.35 | 16.34 | ..... | 16.35 |
| 1964 | | | | | | | | | | | | |
| 5 | 16.32 | 16.22 | 14.54 | ..... | 13.13 | 15.15 | 15.11 | 15.74 | 16.03 | 16.24 | 16.33 | 15.95 |
| 10 | 16.28 | 16.14 | 12.71 | ..... | 13.91 | ..... | 15.29 | 15.61 | 16.08 | 16.26 | 15.95 | 16.18 |
| 15 | 16.23 | 16.19 | 11.13 | ..... | 13.82 | ..... | 15.44 | 15.79 | 16.13 | 16.28 | 16.30 | 15.78 |
| 20 | 16.27 | 16.18 | ..... | ..... | 14.49 | ..... | 15.41 | 15.89 | 16.18 | 16.30 | 16.29 | 16.09 |
| 25 | 15.94 | 16.14 | ..... | ..... | 14.71 | ..... | 15.40 | 15.91 | 16.20 | 16.31 | 15.94 | 16.07 |
| Eom | 16.13 | 16.23 | ..... | ..... | 14.95 | ..... | ..... | 15.98 | 16.22 | 16.32 | 16.16 | 15.52 |

395655N0820128.1--Continued.

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | 15.33 | 13.26 | 14.68 | 13.96 | 15.15 | 15.71 | 15.95 | 15.91 | ..... | 15.25 | 15.44 |
| 10 | 15.20 | 13.19 | 13.47 | ..... | ..... | 14.98 | 15.71 | 15.95 | 15.93 | ..... | 15.16 | 15.59 |
| 15 | 15.53 | 13.56 | ..... | ..... | ..... | 15.37 | 15.79 | 16.01 | 15.87 | ..... | 15.27 | 15.54 |
| 20 | 15.64 | 14.62 | ..... | ..... | ..... | 15.45 | 15.89 | 16.07 | ..... | 15.69 | 15.44 | 15.49 |
| 25 | 14.23 | 14.55 | ..... | ..... | ..... | 15.57 | 15.73 | 16.10 | 15.07 | 15.02 | 15.16 | 15.57 |
| Eom | 14.89 | 13.30 | ..... | ..... | 15.15 | 15.66 | 15.88 | 16.08 | ..... | 15.26 | 15.13 | 15.66 |
| 1966 | | | | | | | | | | | | |
| 5 | 13.79 | ..... | 13.86 | 15.32 | 11.30 | 14.90 | 15.72 | 15.49 | 15.86 | 15.91 | 15.32 | 15.40 |
| 10 | 13.83 | 13.73 | 14.44 | 15.44 | 12.38 | 15.08 | 15.74 | 15.52 | 15.91 | 15.97 | 15.18 | 13.03 |
| 15 | 14.70 | 12.82 | 14.50 | 15.16 | 12.82 | 15.22 | 15.36 | 15.27 | 15.98 | 16.00 | 14.25 | 12.28 |
| 20 | 15.13 | 12.54 | 14.73 | 15.22 | 13.64 | 15.32 | 14.79 | 15.50 | 15.95 | 16.00 | 15.16 | 14.34 |
| 25 | 15.25 | 13.90 | 14.70 | 13.94 | 14.19 | 15.52 | 15.24 | 15.63 | 15.90 | 16.06 | 15.06 | 14.78 |
| Eom | 15.43 | 14.21 | 14.83 | 12.37 | 14.71 | 15.59 | 15.45 | 15.82 | 15.92 | 16.06 | 14.67 | 15.09 |
| 1967 | | | | | | | | | | | | |
| 5 | 15.26 | 14.10 | 13.73 | 12.69 | 14.04 | 14.46 | 15.20 | 15.33 | 15.76 | 15.76 | 15.76 | 14.54 |
| 10 | 15.38 | 14.89 | 14.54 | 13.52 | 12.55 | 13.60 | 15.31 | 15.51 | 15.70 | 15.62 | 15.45 | 14.77 |
| 15 | 15.46 | 15.14 | 11.68 | 13.14 | 12.39 | 14.73 | 15.44 | 15.62 | 15.83 | 15.76 | 15.33 | 14.37 |
| 20 | 15.66 | 15.03 | 10.82 | 14.00 | 11.74 | 14.97 | 15.39 | 15.66 | 15.85 | 15.75 | 14.96 | 15.36 |
| 25 | 15.54 | 15.12 | 10.80 | 13.48 | 13.40 | 15.13 | 15.46 | 15.68 | 15.84 | 15.81 | 15.26 | 15.45 |
| Eom | 15.42 | 15.12 | 12.14 | 14.07 | 14.06 | 15.10 | 15.41 | 15.70 | 15.55 | 15.81 | 15.32 | 14.75 |

Portage County

411401N0810250.1 (revised). Local number Po-1. Edward Tiddle. Drilled unused artesian well in sandstone, diam 6 in, depth 55 ft. Lsd 970 ft (revised) 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: 1946-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 21.13 | 21.22 | 21.24 | 20.54 | 20.11 | 19.97 | 20.18 | 20.58 | 20.91 | 21.33 | 21.58 | 21.90 |
| 10 | 21.16 | 21.18 | 21.19 | 20.42 | 20.08 | 20.01 | 20.27 | 20.61 | 21.00 | 21.37 | 21.63 | 21.95 |
| 15 | 21.17 | 21.32 | 21.03 | 20.38 | 20.04 | 20.02 | 20.35 | 20.68 | 21.06 | 21.47 | 21.73 | 21.98 |
| 20 | 21.09 | 21.27 | 20.75 | 20.34 | 20.02 | 20.04 | 20.37 | 20.73 | 21.09 | 21.47 | 21.75 | 21.99 |
| 25 | 21.18 | 21.31 | 20.68 | 20.28 | 20.01 | 20.10 | 20.48 | 20.78 | 21.15 | 21.53 | 21.82 | 22.03 |
| Eom | 21.22 | 21.32 | 20.62 | 20.12 | 20.00 | 20.17 | 20.52 | 20.80 | 21.26 | 21.49 | 21.85 | 22.12 |
| 1964 | | | | | | | | | | | | |
| 5 | 22.14 | 21.98 | 21.74 | 20.81 | 19.85 | 19.52 | 19.70 | 20.02 | 20.39 | 20.74 | 21.13 | 21.44 |
| 10 | 22.17 | 22.01 | 21.44 | 20.62 | 19.76 | 19.56 | 19.74 | 20.04 | 20.45 | 20.83 | 21.17 | 21.49 |
| 15 | 22.13 | 22.00 | 21.30 | 20.49 | 19.70 | 19.57 | 19.79 | 20.10 | 20.55 | 20.85 | 21.27 | 21.51 |
| 20 | 22.15 | 21.97 | 21.21 | 20.39 | 19.62 | 19.56 | 19.81 | 20.15 | 20.59 | 20.94 | 21.34 | 21.51 |
| 25 | 21.99 | 21.97 | 21.14 | 20.14 | 19.58 | 19.62 | 19.85 | 20.17 | 20.69 | 21.00 | 21.28 | 21.53 |
| Eom | 22.01 | 21.98 | 20.96 | 19.97 | 19.53 | 19.62 | 19.96 | 20.27 | 20.73 | 21.09 | 21.42 | 21.52 |
| 1965 | | | | | | | | | | | | |
| 5 | 21.35 | 20.92 | 20.30 | 19.72 | 19.18 | 19.05 | 19.46 | 19.79 | 20.20 | 20.50 | 20.48 | 20.08 |
| 10 | 21.27 | 20.81 | 20.20 | 19.62 | 19.15 | 19.11 | 19.52 | 19.87 | 20.25 | 20.51 | 20.41 | 20.08 |
| 15 | 21.20 | 20.71 | 20.11 | 19.48 | 19.12 | 19.16 | 19.57 | 19.89 | 20.29 | 20.52 | 20.40 | 19.97 |
| 20 | 21.20 | 20.63 | 20.07 | 19.39 | 19.11 | 19.19 | 19.62 | 20.02 | 20.33 | 20.51 | 20.27 | 19.90 |
| 25 | 21.00 | 20.47 | 19.96 | 19.31 | 19.09 | 19.33 | 19.64 | 20.03 | 20.40 | 20.47 | 20.24 | 19.95 |
| Eom | 20.88 | 20.46 | 19.85 | 19.23 | 19.12 | 19.37 | 19.72 | 20.08 | 20.41 | 20.42 | 20.19 | 19.81 |
| 1966 | | | | | | | | | | | | |
| 5 | 19.73 | 19.61 | 19.23 | 18.72 | 18.24 | 18.23 | 18.61 | 19.52 | 20.03 | 20.53 | 20.92 | 20.96 |
| 10 | 19.58 | 19.54 | 19.28 | 18.65 | 18.26 | 18.35 | 18.76 | 19.61 | 20.13 | 20.54 | 20.89 | 20.84 |
| 15 | 19.53 | 19.43 | 19.19 | 18.56 | 18.14 | 18.35 | 18.97 | 19.68 | 20.24 | 20.57 | 20.91 | 20.80 |
| 20 | 19.54 | 19.40 | 19.13 | 18.55 | 18.11 | 18.44 | 19.13 | 19.79 | 20.30 | 20.68 | 20.98 | 20.74 |
| 25 | 19.57 | 19.28 | 19.02 | 18.49 | 18.15 | 18.50 | 19.26 | 19.85 | 20.40 | 20.76 | 20.92 | 20.75 |
| Eom | 19.54 | 19.30 | 18.88 | 18.15 | 18.19 | 18.57 | 19.43 | 19.99 | 20.49 | 20.78 | 21.02 | 20.75 |
| 1967 | | | | | | | | | | | | |
| 5 | 20.73 | 20.52 | 20.14 | 19.39 | 18.63 | 18.05 | 18.52 | 19.23 | 19.87 | 20.39 | 20.69 | 20.65 |
| 10 | 20.68 | 20.43 | 20.08 | 19.34 | 18.42 | 18.10 | 18.48 | 19.38 | 19.98 | 20.45 | 20.71 | 20.59 |
| 15 | 20.71 | 20.40 | 20.00 | 19.21 | 18.16 | 18.20 | 18.62 | 19.48 | 20.04 | 20.52 | 20.76 | 20.59 |
| 20 | 20.68 | 20.30 | 19.86 | 19.18 | 18.11 | 18.30 | 18.75 | 19.59 | 20.14 | 20.56 | 20.74 | 20.53 |
| 25 | 20.70 | 20.35 | 19.70 | 19.05 | 18.00 | 18.41 | 18.85 | 19.68 | 20.29 | 20.52 | 20.68 | 20.41 |
| Eom | 20.67 | 20.30 | 19.54 | 18.81 | 18.04 | 18.36 | 19.05 | 19.80 | 20.31 | 20.64 | 20.71 | 20.37 |

411058N0810220.1. Local number Po-3. U.S. Army Engineer Corps. Ravenna Ordnance Plant. Drilled unused artesian well in sandstone, diam 12 in, depth 172 ft. Lsd 985 ft (revised) 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: 1950-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 25.64 | 25.33 | 25.32 | 24.30 | 23.26 | 23.04 | 23.84 | 24.47 | 25.00 | 26.64 | 26.79 | 27.01 |
| 10 | 25.64 | 24.95 | 26.55 | 23.70 | 23.10 | 22.99 | 24.90 | 24.65 | 25.01 | 27.48 | 26.58 | 27.03 |
| 15 | 25.66 | 25.55 | 25.64 | 23.83 | 23.14 | 23.37 | 24.07 | 24.75 | 25.43 | 27.55 | 28.48 | 27.23 |
| 20 | 24.92 | 25.50 | 24.40 | 23.56 | 23.18 | 23.33 | 24.00 | 24.72 | 25.04 | 26.85 | 27.36 | 27.00 |
| 25 | 25.48 | 25.30 | 24.75 | 23.67 | 23.32 | 23.93 | 24.54 | 25.00 | 26.91 | 27.53 | 27.37 | 26.70 |
| Eom | 25.37 | 25.41 | 24.70 | 23.05 | 23.40 | 24.00 | 24.39 | 24.95 | 26.71 | 26.65 | 26.80 | 27.55 |

411058N0810220, 1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 27.04 | 26.80 | 26.74 | 25.40 | 23.74 | 23.95 | 24.70 | 25.13 | 25.43 | 26.04 | 26.53 | 27.21 |
| 10 | 27.22 | 27.06 | 26.46 | 25.81 | 23.40 | 23.93 | 24.60 | 25.05 | 26.51 | 27.55 | 27.94 | 27.39 |
| 15 | 27.09 | 26.93 | 26.12 | 24.72 | 24.02 | 23.85 | 24.80 | 25.07 | 25.69 | 26.16 | 27.10 | 27.77 |
| 20 | 27.96 | 26.68 | 25.98 | 24.37 | 23.94 | 24.05 | 24.71 | 25.21 | 25.78 | 26.28 | 26.59 | 27.26 |
| 25 | 26.85 | 26.79 | 25.47 | 24.07 | 23.78 | 24.36 | 24.74 | 25.29 | 26.94 | 26.47 | 27.25 | 26.78 |
| Eom | 27.47 | 26.85 | 25.36 | 24.83 | 23.80 | 24.35 | 25.03 | 26.43 | 26.01 | 27.87 | 28.05 | 27.47 |
| 1965 | | | | | | | | | | | | |
| 5 | 27.18 | 28.95 | 27.87 | 27.79 | 27.50 | 27.05 | 28.54 | 29.10 | 29.73 | 30.07 | 30.13 | 29.71 |
| 10 | 28.66 | 29.89 | 28.07 | 27.66 | 27.45 | 27.98 | 28.53 | 28.97 | 29.50 | 29.81 | 29.99 | 30.22 |
| 15 | 28.83 | 29.13 | 28.17 | 27.10 | 27.64 | 27.92 | 28.57 | 29.12 | 29.20 | 29.45 | 30.08 | 29.75 |
| 20 | 28.68 | 28.82 | 28.23 | 27.66 | 27.85 | 28.54 | 28.97 | 29.13 | 29.26 | 30.16 | 30.24 | 29.28 |
| 25 | 28.72 | 27.83 | 28.03 | 27.36 | 27.77 | 28.50 | 27.70 | 28.95 | 28.51 | 30.20 | 30.22 | 29.17 |
| Eom | 28.86 | 28.45 | 28.18 | 27.23 | 27.88 | 28.50 | 28.90 | 29.00 | 28.57 | 29.96 | 30.17 | 30.53 |
| 1966 | | | | | | | | | | | | |
| 5 | 31.56 | 30.84 | 29.05 | 26.67 | 26.30 | 26.45 | 27.26 | 27.75 | 29.23 | 30.44 | 29.55 | 29.49 |
| 10 | 31.16 | 29.94 | 29.64 | 26.96 | 26.57 | 26.96 | 26.78 | 27.84 | 29.67 | 29.16 | 29.06 | 28.70 |
| 15 | 31.31 | 29.72 | 28.75 | 26.87 | 25.26 | 26.86 | 27.74 | 27.95 | 29.35 | 30.21 | 29.29 | 29.43 |
| 20 | 31.72 | 30.17 | 27.72 | 26.52 | 25.06 | 27.24 | 28.09 | 28.98 | 29.64 | 29.44 | 30.10 | 28.95 |
| 25 | 31.84 | 29.35 | 28.44 | 27.33 | 26.11 | 27.43 | 27.42 | 29.00 | 29.50 | 29.36 | 29.98 | 29.04 |
| Eom | 31.51 | 28.78 | 27.62 | 26.19 | 25.29 | 27.31 | 28.30 | 29.61 | 29.62 | 28.85 | 28.26 | 27.98 |
| 1967 | | | | | | | | | | | | |
| 5 | 28.82 | 28.35 | 28.30 | 28.20 | ..... | ..... | 28.13 | ..... | ..... | 29.19 | 28.78 | 29.75 |
| 10 | 28.90 | 28.09 | 28.47 | 28.08 | ..... | ..... | ..... | ..... | ..... | 28.60 | 29.58 | 29.36 |
| 15 | 28.66 | 28.18 | 28.33 | 28.72 | ..... | ..... | ..... | ..... | ..... | 29.23 | 29.75 | 29.00 |
| 20 | 28.38 | 28.20 | 29.00 | 28.03 | ..... | ..... | ..... | ..... | ..... | 29.21 | 29.65 | 29.20 |
| 25 | 28.77 | 28.40 | 28.75 | 28.30 | ..... | ..... | ..... | ..... | 29.11 | 28.93 | 29.33 | 28.35 |
| Eom | 28.55 | 28.12 | 28.60 | ..... | ..... | ..... | ..... | ..... | 29.02 | 29.78 | 29.65 | 28.50 |

411011N0810626.1. Local number Po-4. U.S. Army Engineer Corps. Ravenna Ordnance Plant. Drilled unused artesian well in sandstone, diam 12 in, depth 225 ft. Lsd 1,120 (revised) above msl. MP floor of instrument platform, 2.50 ft above lsd. Highest water level 23.61 below lsd, May 19, 1967; lowest 35.35 below lsd, Feb. 17, 1954. Records available: 1950-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 29.84 | 29.60 | 29.48 | 27.50 | 26.20 | 26.87 | 27.68 | 28.38 | 28.70 | 29.35 | 29.70 | 30.35 |
| 10 | 29.75 | 29.35 | 29.49 | 27.23 | 26.18 | 26.90 | 27.93 | 28.39 | 28.90 | 29.36 | 29.84 | 30.53 |
| 15 | 29.90 | 29.83 | 29.30 | 27.41 | 26.58 | 27.32 | 27.90 | 28.52 | 29.00 | 29.45 | 30.00 | 30.50 |
| 20 | 29.50 | 29.60 | 28.20 | 27.07 | 26.75 | 27.41 | 27.92 | 28.52 | 29.05 | 29.41 | 30.12 | 30.42 |
| 25 | 29.70 | 29.73 | 28.12 | 26.82 | 26.88 | 27.63 | 28.33 | 28.57 | 29.04 | 29.62 | 30.20 | 30.46 |
| Eom | 29.70 | 29.68 | 27.94 | 26.21 | 27.16 | 27.61 | 28.34 | 28.65 | 29.24 | 29.64 | 30.27 | 30.77 |
| 1964 | | | | | | | | | | | | |
| 5 | 30.65 | 30.20 | 30.35 | 28.54 | 26.12 | 26.87 | 28.05 | 28.59 | 29.17 | 30.01 | 30.41 | 31.00 |
| 10 | 30.93 | 30.53 | 29.70 | 27.85 | 26.32 | 27.15 | 28.12 | 28.58 | 29.17 | 30.20 | 30.50 | 31.09 |
| 15 | 30.72 | 30.39 | 29.15 | 27.65 | 26.69 | 27.36 | 28.29 | 28.74 | 29.49 | 30.16 | 30.68 | 31.19 |
| 20 | 30.74 | 30.35 | 29.07 | 27.40 | 26.47 | 27.47 | 28.25 | 28.84 | 29.42 | 30.27 | 30.69 | 31.08 |
| 25 | 30.34 | 30.25 | 28.55 | 26.65 | 26.49 | 27.88 | 28.26 | 29.04 | 29.80 | 30.24 | 30.58 | 31.19 |
| Eom | 30.55 | 30.44 | 28.65 | 26.25 | 26.69 | 27.81 | 28.65 | 29.08 | 29.89 | 30.44 | 30.91 | 31.28 |
| 1965 | | | | | | | | | | | | |
| 5 | 30.90 | 30.10 | 27.96 | 26.80 | 26.63 | 27.42 | 28.02 | 28.66 | 29.36 | 29.96 | 29.86 | 28.75 |
| 10 | 30.94 | 29.50 | 27.95 | 26.76 | 26.85 | 27.58 | 28.12 | 28.89 | 29.52 | 29.97 | 29.69 | 28.78 |
| 15 | 30.74 | 29.37 | 27.47 | 26.65 | 26.88 | 27.63 | 28.30 | 28.93 | 29.60 | 29.99 | 29.54 | 28.32 |
| 20 | 30.82 | 29.21 | 27.65 | 26.78 | 27.18 | 27.52 | 28.53 | 29.09 | 29.76 | 29.83 | 29.27 | 26.17 |
| 25 | 30.22 | 28.57 | 27.45 | 26.60 | 27.23 | 27.98 | 28.44 | 29.00 | 29.87 | 29.97 | 29.17 | 26.22 |
| Eom | 29.94 | 28.84 | 27.24 | 26.48 | 27.33 | 27.98 | 28.48 | 29.09 | 29.73 | 29.66 | 29.08 | 28.00 |
| 1966 | | | | | | | | | | | | |
| 5 | 27.84 | 28.22 | 26.69 | 26.04 | 24.64 | 25.69 | 27.06 | 27.99 | 28.61 | 29.32 | 30.01 | 29.67 |
| 10 | 27.42 | 27.96 | 27.13 | 26.04 | 24.92 | 26.03 | 27.36 | 28.02 | 28.64 | 29.36 | 30.02 | 29.56 |
| 15 | 27.11 | 27.81 | 26.52 | 25.86 | 24.48 | 26.30 | 27.64 | 28.18 | 28.65 | 29.49 | 29.92 | 28.98 |
| 20 | 27.58 | 27.37 | 26.41 | 25.82 | 24.46 | 26.75 | 27.76 | 28.31 | 28.82 | 29.66 | 29.87 | 28.94 |
| 25 | 27.88 | 26.66 | 26.26 | 25.74 | 24.84 | 27.02 | 27.69 | 28.37 | 29.16 | 29.73 | 29.64 | 28.86 |
| Eom | 27.81 | 26.93 | 25.96 | 25.14 | 25.53 | 27.08 | 27.87 | 28.50 | 29.25 | 29.53 | 29.93 | 29.00 |
| 1967 | | | | | | | | | | | | |
| 5 | 29.02 | 28.13 | 27.50 | 25.24 | 25.20 | 25.40 | 26.83 | 27.56 | 28.32 | 28.84 | 29.25 | 29.28 |
| 10 | 28.86 | 27.86 | 27.37 | 25.40 | 24.49 | 25.62 | 26.70 | 27.72 | 28.45 | 28.91 | 29.23 | 29.03 |
| 15 | 28.88 | 27.95 | 26.99 | 25.08 | 24.05 | 25.90 | 27.12 | 27.89 | 28.48 | 28.92 | 29.38 | 28.95 |
| 20 | 28.95 | 27.75 | 26.59 | 25.58 | 24.07 | 26.21 | 27.20 | 27.98 | 28.48 | 29.01 | 29.26 | 28.98 |
| 25 | 28.92 | 28.10 | 26.13 | 25.70 | 24.34 | 26.50 | 27.15 | 28.08 | 28.71 | 28.96 | 29.18 | 28.40 |
| Eom | 29.05 | 27.85 | 25.62 | 25.11 | 25.00 | 26.45 | 27.34 | 28.35 | 28.69 | 29.03 | 29.28 | 28.41 |

Richland County

404040N0823433.1 (revised). Local number R-2. City of Lexington. Drilled unused artesian well in sandstone, diam 6 in, depth 129 ft. Lsd 1,180 ft (revised) 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: 1946-64. Measurement discontinued March 1964.

404040N0823433.1--Continued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 27.63 | 26.56 | 25.95 | 24.92 | 25.79 | 26.46 | 26.96 | 26.87 | 27.17 | 27.41 | 27.47 | 27.33 |
| 10 | 26.63 | 26.49 | 24.53 | 25.14 | 25.93 | 26.47 | 27.05 | 26.85 | 27.24 | 27.42 | 27.40 | 27.32 |
| 15 | 26.50 | 26.53 | 24.21 | 25.37 | 26.06 | 26.54 | 27.11 | 26.91 | 27.26 | 27.43 | 27.37 | 27.31 |
| 20 | 26.48 | 26.53 | 24.13 | 25.51 | 26.17 | 26.65 | 27.10 | 26.96 | 27.31 | 27.43 | 27.33 | 27.35 |
| 25 | 26.50 | 26.53 | 24.49 | 25.57 | 26.28 | 26.76 | 27.14 | 27.02 | 27.34 | 27.45 | 27.33 | 27.37 |
| Eom | 26.57 | 26.57 | 24.72 | 25.70 | 26.37 | 26.87 | 27.00 | 27.11 | 27.37 | 27.45 | 27.35 | 27.36 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 27.36 | 26.96 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | 27.30 | 26.93 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | 27.27 | 26.95 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 27.27 | 26.97 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 27.03 | 26.99 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | 26.95 | 27.01 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

404625N0823051.1 (revised). Local number R-4. City of Mansfield. Drilled unused artesian well in gravel, diam 14 in, depth 127 ft. Lsd 1,150 ft above msl. MP top of instrument table, 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, 1949-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 55.50 | 56.00 | 55.00 | 58.25 | ..... | 58.20 | 51.05 | 56.80 | 57.15 | 58.30 | 55.45 | 56.50 |
| 10 | 56.60 | 53.70 | 54.30 | 57.30 | ..... | 55.30 | 56.65 | 58.95 | 56.00 | 58.05 | 54.15 | 55.35 |
| 15 | 55.55 | 56.05 | 58.75 | 53.00 | ..... | 59.65 | 55.45 | 58.65 | 57.25 | 57.15 | 57.20 | 54.50 |
| 20 | 53.50 | 55.25 | ..... | 58.30 | ..... | 58.90 | 58.45 | 57.15 | 58.25 | 55.90 | 56.50 | 57.05 |
| 25 | 57.65 | 51.60 | ..... | 57.60 | 58.70 | 57.55 | 57.40 | 57.40 | 58.05 | 57.20 | 53.70 | 55.25 |
| Eom | 57.57 | 55.15 | 54.40 | ..... | 57.65 | 57.35 | 57.60 | 58.15 | 56.65 | 56.85 | 52.10 | 50.45 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 51.00 | 56.45 | 57.70 | 54.75 | 53.90 | 55.50 | 48.85 | 52.80 | 54.70 | 53.55 | 57.30 | 56.30 |
| 10 | 55.65 | 54.50 | 56.25 | 56.45 | 52.50 | 54.60 | 54.50 | 50.95 | 54.00 | 56.05 | 56.80 | 56.45 |
| 15 | 54.05 | 56.90 | 54.20 | 56.10 | 55.70 | 52.15 | 53.85 | 53.35 | 54.15 | 56.00 | 56.95 | 55.45 |
| 20 | 54.15 | 56.80 | 55.60 | 53.20 | 55.15 | 55.50 | 52.10 | 54.25 | 52.40 | 56.35 | 57.70 | 55.30 |
| 25 | 56.95 | 55.80 | 54.90 | 56.00 | 53.00 | 55.50 | 54.55 | 53.15 | 55.55 | 56.60 | 57.00 | 54.45 |
| Eom | 57.50 | 57.70 | 54.70 | 55.70 | 52.50 | 51.25 | 53.40 | 51.80 | 55.55 | 57.15 | 54.70 | 54.10 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 52.30 | 54.25 | 53.50 | 50.45 | 52.30 | 52.85 | 50.85 | 50.90 | 50.05 | 53.50 | 54.70 | 53.60 |
| 10 | ..... | 53.65 | 53.10 | 54.20 | 50.20 | 53.10 | 48.15 | 50.30 | 52.25 | ..... | 53.95 | 54.70 |
| 15 | ..... | 52.10 | 51.55 | 53.65 | 53.15 | 51.75 | 52.20 | ..... | 52.40 | ..... | ..... | 54.45 |
| 20 | 53.40 | 54.05 | 53.55 | 52.50 | 52.80 | 50.80 | ..... | 52.55 | 53.30 | ..... | ..... | 54.00 |
| 25 | 52.60 | 53.10 | 52.80 | 52.40 | 51.80 | 53.50 | ..... | 52.60 | 53.35 | ..... | ..... | 53.90 |
| Eom | 53.40 | 52.35 | 53.00 | 53.20 | 48.35 | 52.85 | ..... | 52.75 | ..... | 53.10 | 52.20 | 54.40 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 54.10 | 57.95 | 59.15 | 57.00 | 55.45 | 53.90 | ..... | 53.00 | 48.00 | 50.90 | 50.30 | 48.70 |
| 10 | 54.85 | 58.00 | 59.10 | 55.90 | 54.90 | 54.15 | 47.00 | 53.60 | 50.55 | 50.15 | 49.70 | 49.60 |
| 15 | 56.05 | 57.60 | 59.25 | 56.95 | 55.00 | 52.70 | 53.35 | 53.00 | 51.10 | 51.10 | 50.15 | 49.40 |
| 20 | 56.70 | 58.30 | 58.25 | 55.90 | 55.70 | 52.70 | 50.95 | 51.85 | 50.70 | 51.05 | 50.10 | 47.85 |
| 25 | 56.90 | 58.55 | 56.45 | 54.95 | 55.50 | 55.35 | 50.00 | 50.70 | 51.45 | 50.50 | 49.65 | 48.20 |
| Eom | 55.45 | 57.90 | 57.55 | 56.25 | 50.30 | ..... | 49.95 | 50.30 | 51.30 | 49.35 | 48.70 | 47.95 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 47.35 | 47.40 | 45.90 | 44.20 | 47.30 | 44.25 | 41.60 | 45.40 | 41.60 | 50.70 | 51.40 | 50.90 |
| 10 | 47.00 | 47.25 | 45.30 | 43.60 | 45.60 | 46.05 | 40.60 | 45.50 | 45.60 | 50.10 | 52.00 | 51.75 |
| 15 | 47.05 | 46.15 | ..... | 44.40 | 42.40 | 46.90 | 45.70 | 46.00 | 49.55 | 50.50 | 52.20 | 52.25 |
| 20 | 47.50 | 45.00 | 43.25 | 44.20 | 45.10 | 45.60 | 46.10 | 46.00 | 48.80 | 51.45 | 51.80 | 52.05 |
| 25 | 48.40 | 46.05 | 46.05 | 44.85 | 44.35 | 46.55 | 45.00 | 46.10 | 47.20 | 49.70 | 47.50 | 48.15 |
| Eom | 49.00 | 44.80 | 44.90 | 46.75 | 40.35 | 47.00 | 44.70 | 46.00 | 49.95 | 50.90 | 49.75 | 50.15 |

Ross County

391917N0825817.1. Local number Ro-3. Mead Paper Corp. Hickory St. and Baltimore & Ohio RR. tracks. Chillicothe. Drilled unused water-table well in gravel, diam 30 in, depth 91 ft, cased to 91. Lsd 610 ft (revised) 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: 1941-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 39.33 | 40.57 | 41.52 | 26.28 | 26.19 | 28.00 | 29.55 | 31.18 | 30.26 | 32.55 | 34.11 | 35.10 |
| 10 | 39.42 | 40.79 | 32.37 | 25.83 | 26.48 | 28.14 | 29.08 | 31.22 | 30.76 | 32.91 | 34.13 | 35.16 |
| 15 | 39.57 | 40.85 | 29.87 | 25.76 | 26.85 | 28.39 | 29.26 | 31.21 | 31.41 | 33.25 | 34.33 | 35.38 |
| 20 | 39.74 | 41.04 | 28.87 | 25.75 | 27.50 | 28.67 | 30.04 | 31.51 | 31.80 | 33.41 | 34.53 | 35.52 |
| 25 | 39.97 | 41.33 | 26.93 | 25.70 | 28.04 | 29.12 | 30.44 | 31.63 | 32.11 | 33.49 | 34.71 | 35.66 |
| Eom | 40.37 | 41.45 | 26.35 | 25.92 | 28.33 | 29.66 | 30.87 | 30.92 | 32.28 | 33.85 | 34.93 | 35.64 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 35.87 | 37.59 | 38.96 | 25.39 | 22.43 | 26.93 | 26.79 | 29.29 | 30.48 | 31.76 | 33.33 | 33.69 |
| 10 | 36.11 | 37.77 | 38.12 | 24.56 | 22.99 | 26.51 | 27.45 | 28.92 | 30.50 | 32.34 | 33.32 | 34.11 |
| 15 | 36.53 | 37.97 | 24.98 | 24.16 | 23.45 | 26.44 | 27.51 | 29.08 | 30.85 | 32.78 | 33.47 | 34.13 |
| 20 | 36.92 | 38.15 | 25.67 | 24.00 | 24.06 | 26.62 | 27.03 | 29.54 | 31.04 | 32.83 | 33.43 | 34.25 |
| 25 | 37.07 | 38.42 | 25.73 | 22.20 | 25.53 | 26.66 | 27.95 | 29.80 | 31.17 | 32.89 | 33.53 | 34.44 |
| Eom | 37.36 | 38.74 | 25.43 | 22.25 | 26.55 | 26.76 | 28.68 | 30.27 | ..... | 33.23 | 33.70 | 34.22 |

391917N0825817.1--Continued.

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 34.61 | 36.65 | 37.00 | 36.26 | 32.85 | 32.02 | 34.09 | 34.50 | 34.99 | 33.87 | 34.20 | 35.93 |
| 10 | 34.88 | 37.04 | 36.70 | 36.01 | 32.56 | 32.34 | 34.23 | 34.63 | 34.74 | 33.80 | 34.33 | 36.63 |
| 15 | 35.21 | 37.01 | 36.20 | 35.38 | 32.28 | 32.79 | 34.85 | 34.80 | 34.85 | 33.81 | 34.52 | 37.13 |
| 20 | 35.51 | 36.47 | 36.13 | 34.29 | 32.26 | 33.16 | 35.37 | 34.98 | 34.72 | 33.90 | 34.71 | 37.55 |
| 25 | 35.92 | 36.67 | 36.18 | 33.73 | 32.37 | 33.52 | 35.51 | 35.25 | 34.45 | 34.06 | 35.02 | 37.80 |
| Eom | 36.25 | 36.82 | 36.29 | 33.23 | 31.92 | 33.84 | 34.78 | 35.44 | 34.04 | 34.14 | 35.45 | 37.52 |
| 1966 | | | | | | | | | | | | |
| 5 | 37.76 | 37.38 | 35.37 | 35.25 | 36.49 | 35.36 | 35.50 | 37.17 | 37.67 | 38.69 | 39.76 | 39.63 |
| 10 | 37.45 | 37.63 | 35.06 | 35.43 | 36.18 | 35.50 | 36.53 | 37.20 | 37.77 | 38.90 | 39.84 | 39.42 |
| 15 | 37.07 | 37.47 | 35.04 | 35.73 | 35.93 | 35.70 | 36.59 | 37.25 | 37.89 | 39.00 | 39.92 | 39.13 |
| 20 | 36.97 | 36.59 | 34.95 | 36.10 | 35.54 | 35.91 | 36.74 | 37.38 | 38.01 | 39.14 | 39.92 | 38.34 |
| 25 | 37.03 | 36.11 | 34.90 | 36.33 | 34.95 | 36.08 | 36.67 | 37.52 | 38.27 | 39.34 | 39.82 | 37.46 |
| Eom | 37.16 | 35.90 | 35.04 | 36.53 | 35.11 | 36.30 | 36.93 | 37.69 | 38.49 | 39.57 | 39.63 | 36.72 |
| 1967 | | | | | | | | | | | | |
| 5 | 35.90 | 35.10 | 34.71 | 31.42 | 28.62 | 29.57 | 32.21 | 34.01 | 35.33 | 36.52 | 38.17 | 38.59 |
| 10 | 35.29 | 34.98 | 34.43 | 30.77 | 28.41 | 30.13 | 32.49 | 33.66 | 35.44 | 36.81 | 38.37 | 38.67 |
| 15 | 34.86 | 34.85 | 33.82 | 30.21 | 28.24 | 30.60 | 32.56 | 33.85 | 35.53 | 37.18 | 38.34 | 38.93 |
| 20 | 34.93 | 34.75 | 33.16 | 29.64 | 27.90 | 31.02 | 32.85 | 34.33 | 35.70 | 37.56 | 38.38 | 38.18 |
| 25 | 35.05 | 34.71 | 32.56 | 29.05 | 27.65 | 31.46 | 33.26 | 34.64 | 36.00 | 37.77 | 38.50 | 39.10 |
| Eom | 35.13 | 34.70 | 31.93 | 28.74 | 28.50 | 31.86 | 33.63 | 35.09 | 36.22 | 37.98 | 38.52 | 38.78 |

Stark County

404651N0813122.1. Local number St-1. Republic Steel Corp. Oberlin Ave., Massillon. Drilled unused water-table well in gravel, diam 6 in, depth 161 ft, cased to 161. Lsd 975 ft (revised) above msl. MP top of concrete base, 6.00 ft below lsd. Highest water level 41.70 below lsd, June 16, 1947; lowest 59.94 below lsd, Mar. 4, 5, 1967. Records available: 1942-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 49.80 | 50.28 | ..... | ..... | 47.46 | 48.04 | 48.28 | 48.22 | 48.22 | 48.32 | ..... | ..... |
| 10 | 49.92 | 50.25 | ..... | ..... | 47.56 | 48.00 | 48.21 | 48.14 | 48.11 | 48.31 | ..... | ..... |
| 15 | 49.98 | 50.40 | 48.54 | 47.41 | 47.67 | 48.05 | 48.30 | 48.20 | 48.11 | 48.21 | 48.50 | 48.82 |
| 20 | 49.95 | 50.46 | ..... | 47.40 | 47.74 | 48.12 | 48.30 | 48.17 | 48.17 | ..... | ..... | 48.99 |
| 25 | 50.10 | 50.46 | ..... | 47.36 | 47.87 | 48.20 | 48.30 | 48.17 | 48.14 | ..... | ..... | 49.04 |
| Eom | 50.23 | 50.57 | ..... | 47.36 | 47.94 | 48.26 | 48.31 | 48.23 | 48.12 | ..... | ..... | 49.25 |
| 1964 | | | | | | | | | | | | |
| 5 | 49.37 | 49.69 | 49.86 | 46.50 | 44.67 | 45.21 | ..... | ..... | ..... | 48.11 | 49.98 | 51.82 |
| 10 | 49.49 | 49.67 | 48.93 | 46.04 | 44.88 | 45.25 | ..... | ..... | ..... | 48.44 | 50.25 | 51.92 |
| 15 | 49.51 | 49.73 | 47.14 | 45.90 | 44.85 | 45.30 | ..... | ..... | ..... | 48.74 | 50.50 | 52.14 |
| 20 | 49.60 | 49.77 | 46.77 | 45.81 | 44.91 | ..... | ..... | 46.20 | ..... | 49.05 | 50.88 | 52.42 |
| 25 | 49.65 | 49.76 | 46.70 | 45.06 | 45.05 | 45.42 | ..... | 46.34 | ..... | 49.38 | 51.14 | 52.64 |
| Eom | 49.70 | 49.86 | 46.70 | 44.72 | 45.15 | 45.44 | ..... | 46.37 | ..... | 49.70 | 51.38 | 52.76 |
| 1965 | | | | | | | | | | | | |
| 5 | 52.93 | 53.83 | 54.28 | 54.79 | 55.19 | 55.56 | 55.96 | 56.53 | 57.35 | 57.71 | ..... | 57.03 |
| 10 | 53.08 | 53.94 | 54.20 | 54.85 | 55.30 | 55.64 | 56.08 | 56.65 | 57.49 | 57.74 | 56.99 | 57.09 |
| 15 | 53.33 | 53.83 | 54.31 | 54.85 | 55.47 | 55.68 | 56.13 | 56.70 | 57.61 | 57.81 | 56.97 | 56.06 |
| 20 | 53.60 | 54.01 | 54.46 | 54.89 | 55.57 | 55.79 | 56.25 | 56.90 | 57.68 | 57.77 | 57.05 | 57.09 |
| 25 | 53.74 | 54.23 | 54.62 | 54.96 | 55.65 | 55.90 | 56.29 | 57.11 | 57.84 | 57.64 | ..... | 57.18 |
| Eom | ..... | 54.25 | 54.23 | 55.11 | 55.57 | 55.91 | 56.44 | 57.24 | 57.83 | ..... | ..... | 56.94 |
| 1966 | | | | | | | | | | | | |
| 5 | 56.75 | 57.27 | 56.52 | 56.54 | ..... | ..... | 56.44 | ..... | 57.49 | 58.00 | 58.66 | 58.98 |
| 10 | 56.79 | 57.36 | 56.50 | 56.56 | ..... | 56.14 | ..... | ..... | 57.66 | 58.13 | 58.79 | 59.03 |
| 15 | ..... | 57.04 | 56.51 | 56.52 | 56.12 | 56.18 | ..... | ..... | 57.74 | 58.19 | 58.66 | 58.77 |
| 20 | 57.08 | 56.61 | 56.48 | 56.57 | ..... | 56.34 | 56.55 | 56.98 | 57.76 | 58.33 | 58.72 | 58.81 |
| 25 | 57.15 | ..... | 56.62 | 56.64 | ..... | 56.44 | ..... | 57.11 | ..... | 58.40 | 58.83 | 58.92 |
| Eom | 57.20 | 56.47 | 56.65 | 56.48 | ..... | 56.47 | 56.74 | 57.31 | 57.97 | 58.55 | 58.85 | 59.07 |
| 1967 | | | | | | | | | | | | |
| 5 | 59.14 | 59.64 | 59.94 | ..... | 57.85 | 56.63 | 57.05 | 57.55 | 57.73 | 57.83 | 58.45 | 59.34 |
| 10 | 59.18 | 59.75 | ..... | ..... | 57.65 | 56.80 | 57.08 | 57.56 | 57.76 | 57.87 | ..... | 59.37 |
| 15 | 59.27 | 59.87 | ..... | 58.31 | 57.12 | 56.90 | 57.20 | 57.54 | 57.79 | 58.00 | ..... | 59.51 |
| 20 | 59.49 | 59.70 | ..... | 58.14 | 56.86 | 56.93 | 57.30 | 57.60 | 57.81 | 58.17 | ..... | 59.59 |
| 25 | 59.55 | ..... | ..... | 58.00 | 56.80 | 56.98 | 57.33 | 57.73 | 57.80 | 58.20 | ..... | 59.66 |
| Eom | 59.64 | 59.84 | 58.40 | 58.00 | 56.76 | 57.06 | 57.43 | 57.82 | 57.92 | 58.28 | ..... | 59.70 |

405044N0811938.1 (revised). Local number St-4. Adessi Bros. Near Canton. 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: 1941-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 19.55 | ..... | 17.64 | ..... | 12.20 | 12.92 | 13.49 | 14.49 | 15.27 | 15.98 | 16.65 | 17.28 |
| 10 | 19.44 | ..... | 14.89 | ..... | 12.26 | ..... | 13.65 | 14.63 | 15.39 | 16.10 | 16.75 | 17.41 |
| 15 | 19.32 | 18.38 | 12.96 | 12.01 | 12.35 | ..... | 13.82 | 14.76 | 15.51 | 16.22 | 16.86 | 17.58 |
| 20 | 19.06 | 18.18 | ..... | 12.12 | 12.45 | ..... | 14.00 | 14.90 | 15.63 | 16.34 | 16.94 | 17.71 |
| 25 | 18.88 | 17.97 | ..... | 12.12 | 12.58 | ..... | 14.17 | 15.02 | 15.74 | 16.44 | 17.05 | 17.83 |
| Eom | ..... | 17.82 | ..... | 12.15 | 12.74 | 13.40 | 14.35 | 15.16 | 15.86 | 16.56 | 17.16 | 17.98 |

405044N0811938.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 18.07 | 17.71 | 17.52 | 12.35 | 10.69 | 11.23 | 11.95 | 12.88 | 13.57 | 14.43 | 15.33 | 16.09 |
| 10 | 18.19 | 17.57 | 16.20 | 11.76 | 10.74 | 11.34 | 12.12 | 12.96 | 13.71 | 14.59 | 15.47 | 16.19 |
| 15 | 18.24 | 17.53 | 13.32 | 11.63 | 10.83 | 11.45 | 12.29 | 13.06 | 13.86 | 14.75 | 15.61 | 16.26 |
| 20 | 18.28 | 17.53 | 12.52 | 11.64 | 10.90 | 11.57 | 12.45 | 13.19 | 14.00 | 14.89 | 15.73 | 16.32 |
| 25 | 18.28 | 17.53 | 12.42 | 11.11 | 10.99 | 11.70 | 12.59 | 13.36 | 14.14 | 15.03 | 15.88 | 16.40 |
| Eom | 17.97 | 17.55 | 12.46 | 10.70 | 11.12 | 11.83 | 12.76 | 13.44 | 14.29 | 15.20 | 15.99 | 16.40 |
| 1965 | | | | | | | | | | | | |
| 5 | 16.32 | | 12.02 | ..... | 10.74 | 11.27 | 11.96 | 12.74 | 13.51 | ..... | 14.29 | 14.34 |
| 10 | 16.19 | | 11.64 | ..... | 10.78 | 11.37 | 12.10 | 12.89 | 13.59 | ..... | 14.32 | 14.39 |
| 15 | 15.96 |  |  | ..... | 10.86 | 11.47 | 12.20 | 13.03 | 13.65 | ..... | 14.37 | 14.42 |
| 20 | 15.81 |  |  | ..... | 10.95 | 11.60 | 12.32 | 13.16 | 13.72 | 14.27 | 14.38 | 14.46 |
| 25 | 15.69 |  |  | ..... | 11.07 | 11.73 | 12.44 | 13.30 | ..... | 14.29 | 14.34 | 14.51 |
| Eom | 14.57 | | | 10.72 | 11.17 | 11.85 | 12.60 | 13.44 | ..... | 14.28 | 14.33 | 14.59 |
| 1966 | | | | | | | | | | | | |
| 5 | 14.58 | 13.94 | 11.97 | 11.74 | 11.16 | 10.80 | 11.55 | 12.33 | 13.10 | 13.82 | 14.48 | 14.63 |
| 10 | 14.33 | | 11.92 | 11.74 | 10.93 | 10.92 | 11.67 | 12.46 | 13.22 | 13.93 | 14.54 | 14.66 |
| 15 | 14.08 | | 11.89 | 11.75 | 10.78 | 11.04 | 11.79 | 12.59 | 13.35 | 14.07 | 14.52 | 14.35 |
| 20 | | | | 11.77 | 10.61 | 11.18 | 11.91 | 12.71 | 13.48 | 14.17 | 14.50 | 14.08 |
| 25 | | | | | 11.80 | 10.60 | 11.32 | 12.04 | 12.83 | 13.59 | 14.28 | 14.51 |
| Eom | | 12.07 | 11.75 | 11.70 | 10.68 | 11.44 | 12.21 | 12.97 | 13.71 | 14.40 | 14.56 | 13.96 |
| 1967 | | | | | | | | | | | | |
| 5 | 13.98 | 14.26 | 13.62 | 10.48 | 10.04 | 9.68 | 10.25 | 11.29 | 12.30 | 13.00 | 13.48 | 13.71 |
| 10 | 14.05 | 14.09 | 13.21 | 10.33 | 9.86 | 9.68 | 10.41 | 11.47 | 12.43 | 13.08 | 13.56 | 13.67 |
| 15 | 14.14 | 14.01 | 12.39 | 10.25 | 9.68 | 9.68 | 10.58 | 11.65 | 12.58 | 13.16 | 13.62 | 13.60 |
| 20 | 14.25 | 13.87 | 11.81 | 10.23 | 9.68 | 9.79 | 10.75 | 11.81 | 12.71 | 13.24 | 13.66 | 13.55 |
| 25 | 14.36 | 13.75 | 11.26 | 10.16 | 9.68 | 9.94 | 10.91 | 11.96 | 12.84 | 13.31 | 13.67 | 13.50 |
| Eom | 14.43 | 13.70 | 10.75 | 10.06 | 9.68 | 10.10 | 11.12 | 12.16 | 12.94 | 13.41 | 13.68 | 13.45 |

404939N0812038.1. Local number St-5a. City of Canton. Canton Waterworks. Northeast well field. 30th St. and Harrisburg Rd. 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 26.13 below lsd, May 19, 1964; lowest 54.00 below lsd, Feb. 10, 1956. Records available: 1949-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 37.28 | 36.76 | 36.13 | 32.25 | 31.07 | 30.21 | 32.48 | 33.34 | 33.56 | 33.41 | 34.33 | 33.43 |
| 10 | 37.16 | 36.27 | 34.80 | 31.85 | 31.70 | 31.30 | 32.04 | 33.34 | 33.72 | 33.45 | 33.98 | 33.22 |
| 15 | 37.05 | 36.36 | 34.20 | 31.69 | 31.66 | 30.13 | 33.34 | 33.30 | 33.57 | 33.49 | 33.74 | 33.25 |
| 20 | 36.82 | 36.52 | 32.89 | 31.60 | ..... | 31.38 | 33.28 | 33.28 | 33.58 | 33.58 | 33.66 | 33.27 |
| 25 | 36.83 | 36.06 | 32.05 | 31.48 | ..... | 32.08 | 33.25 | 33.30 | 33.57 | 34.17 | 33.17 | 33.31 |
| Eom | 36.63 | 36.03 | 31.23 | 31.22 | ..... | 31.94 | 33.22 | 33.31 | 33.30 | 33.87 | 33.17 | 33.51 |
| 1964 | | | | | | | | | | | | |
| 5 | 33.52 | 34.12 | 33.79 | 28.75 | 26.56 | 27.43 | 29.56 | 30.72 | 30.64 | 31.05 | 31.79 | 33.22 |
| 10 | 34.03 | 34.75 | 33.11 | 28.17 | 26.21 | 27.62 | 30.21 | 30.87 | 31.78 | 31.24 | 31.92 | 32.26 |
| 15 | 34.12 | 34.86 | 31.10 | 27.81 | 26.47 | 27.82 | 30.02 | 30.56 | 30.53 | 32.19 | 32.99 | 31.99 |
| 20 | 34.21 | 34.68 | 29.97 | 27.59 | 26.78 | 27.52 | 29.63 | 30.77 | 30.75 | 32.46 | 33.04 | 31.88 |
| 25 | 34.23 | 33.99 | 29.41 | 27.17 | 26.60 | 27.71 | 30.49 | 30.21 | 30.88 | 31.58 | 33.08 | 31.81 |
| Eom | 34.23 | 33.82 | 29.02 | 26.58 | 27.03 | 29.78 | 31.13 | 30.48 | 30.97 | 31.75 | 33.20 | 31.75 |
| 1965 | | | | | | | | | | | | |
| 5 | 31.57 | 32.19 | 31.49 | 28.64 | 29.44 | 29.57 | ..... | 31.63 | 31.50 | 31.89 | 31.82 | 30.30 |
| 10 | 32.59 | 31.88 | 31.12 | 29.27 | 29.44 | 29.57 | ..... | 31.38 | 33.88 | 32.07 | 29.59 | 30.37 |
| 15 | 31.74 | 32.45 | 30.00 | 28.28 | 29.44 | 29.57 | 30.79 | 32.87 | 32.92 | 32.20 | 30.27 | 30.37 |
| 20 | ..... | 32.02 | 29.62 | 28.91 | 29.44 | 29.57 | 31.21 | 31.98 | 32.49 | 32.16 | 30.30 | 31.09 |
| 25 | 33.46 | 31.90 | 29.34 | 29.04 | 29.44 | ..... | 31.00 | 31.79 | 32.41 | 31.85 | 30.88 | 31.30 |
| Eom | 32.42 | 31.82 | 28.96 | 29.10 | 29.57 | ..... | 31.93 | 31.27 | 31.94 | 31.32 | 30.59 | 31.33 |
| 1966 | | | | | | | | | | | | |
| 5 | 31.31 | 30.76 | 29.48 | 28.87 | 28.52 | 28.33 | 28.75 | 29.64 | 30.93 | 31.66 | 33.14 | 33.41 |
| 10 | 31.10 | 30.23 | 29.60 | 29.18 | 28.71 | 28.44 | 29.14 | 30.49 | 31.14 | 32.41 | 32.77 | 33.06 |
| 15 | 30.37 | 30.44 | 29.51 | 29.23 | 28.49 | 28.39 | 29.07 | 29.83 | 31.33 | 30.68 | 33.07 | 33.00 |
| 20 | 30.22 | 30.02 | 28.72 | 28.68 | 28.39 | 28.56 | 29.79 | 30.38 | 31.61 | 31.96 | 32.71 | 33.20 |
| 25 | 30.70 | 29.72 | 28.30 | 29.60 | 28.05 | 28.28 | 29.64 | 30.61 | 32.03 | 32.13 | 32.67 | 33.21 |
| Eom | 30.74 | 29.62 | 29.08 | ..... | 28.40 | 29.36 | 29.36 | 30.87 | 32.10 | 32.90 | 32.92 | 32.54 |
| 1967 | | | | | | | | | | | | |
| 5 | 33.17 | 32.15 | 32.06 | 31.49 | 29.42 | 29.19 | ..... | 30.64 | ..... | 32.31 | 31.87 | 32.70 |
| 10 | 32.83 | ..... | 31.48 | 30.16 | 28.80 | ..... | ..... | 30.84 | 30.86 | 32.13 | 33.07 | 32.55 |
| 15 | 32.85 | ..... | 31.53 | 30.75 | 28.45 | ..... | ..... | 30.83 | 31.59 | 32.07 | 32.75 | 33.11 |
| 20 | 32.95 | ..... | 31.41 | 30.24 | 27.60 | ..... | 31.40 | ..... | 31.82 | 32.84 | 32.55 | 33.19 |
| 25 | ..... | ..... | 30.75 | 29.75 | ..... | ..... | ..... | ..... | 31.74 | 32.40 | 32.72 | 32.10 |
| Eom | 32.50 | 31.88 | 30.50 | 29.23 | ..... | ..... | ..... | ..... | 31.87 | 32.93 | 32.95 | 32.70 |

405100N0812403.1 (revised). Local number St-11. City of Canton. Canton Waterworks. Northwest well field. Drilled unused artesian well in gravel, diam 6 in, depth 87 ft, cased to 87. Lsd 1,058.63 ft (revised 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: 1946-67. Water levels affected by pumping.

405100N0812403.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 29.40 | 30.40 | 29.50 | 23.55 | 25.50 | 27.50 | 28.90 | 29.05 | 28.15 | 29.00 | 30.40 | 31.45 |
| 10 | 29.45 | 29.60 | 19.80 | 24.35 | 26.00 | 27.25 | 28.40 | 29.45 | 28.30 | 29.25 | 30.60 | 31.60 |
| 15 | 29.45 | 30.80 | 20.10 | 24.90 | 26.10 | 27.40 | 28.60 | 27.20 | 28.50 | 29.50 | 30.75 | 31.75 |
| 20 | 29.60 | 30.60 | 21.00 | 24.60 | 26.35 | 27.65 | 29.05 | 27.60 | 28.60 | 29.70 | 30.95 | 31.95 |
| 25 | 29.85 | 30.55 | 21.90 | 25.00 | 27.00 | 28.65 | 26.60 | 27.75 | 28.80 | 29.95 | 31.10 | 32.10 |
| Eom | 30.55 | 30.95 | 23.15 | 25.20 | 27.15 | 28.05 | 28.65 | 28.00 | 28.95 | 30.20 | 31.30 | 32.20 |
| 1964 | | | | | | | | | | | | |
| 5 | 32.30 | 30.00 | 29.40 | 21.35 | 20.40 | 21.95 | 23.20 | 24.20 | 25.55 | 26.80 | 28.25 | 29.50 |
| 10 | 32.25 | 29.90 | 25.55 | 21.35 | 20.65 | 22.15 | 23.45 | 24.45 | 25.75 | 27.10 | 28.40 | 29.75 |
| 15 | 32.10 | 30.10 | 22.15 | 21.70 | 20.80 | 22.30 | 23.65 | 24.70 | 26.00 | 27.30 | 28.60 | 29.85 |
| 20 | 32.10 | 30.30 | 22.65 | 21.70 | 21.05 | 22.55 | 23.85 | 24.90 | 26.20 | 27.55 | 28.80 | 30.10 |
| 25 | 31.15 | 30.50 | 22.75 | 19.85 | 21.35 | 22.70 | 24.10 | 25.10 | 26.40 | 27.80 | 29.05 | 30.30 |
| Eom | 30.10 | 30.60 | 23.15 | 20.05 | 21.70 | 22.95 | 24.35 | 25.30 | 26.65 | 28.10 | 29.30 | 30.05 |
| 1965 | | | | | | | | | | | | |
| 5 | 29.75 | 28.10 | 25.85 | 24.50 | 25.70 | 25.80 | 26.70 | 27.20 | 30.25 | 32.05 | 31.60 | 32.00 |
| 10 | 29.60 | 27.50 | 25.10 | 24.85 | 25.60 | 25.80 | 26.75 | 29.45 | 32.35 | 31.80 | 31.80 | 31.95 |
| 15 | 29.80 | 26.70 | 25.20 | 25.10 | 25.75 | 25.95 | 26.70 | 30.30 | 31.60 | 32.15 | 32.00 | 32.45 |
| 20 | 30.10 | 26.95 | 25.30 | 25.30 | 25.90 | 26.05 | 26.80 | 30.20 | 31.80 | 32.50 | 31.60 | 32.70 |
| 25 | 28.45 | 27.15 | 24.85 | 25.40 | 26.00 | 26.10 | 26.85 | 30.55 | 32.10 | 31.40 | 31.70 | 33.10 |
| Eom | 27.75 | 26.20 | 24.30 | 25.60 | 25.70 | 26.40 | 27.05 | 30.90 | 32.10 | 31.25 | 31.00 | 29.75 |
| 1966 | | | | | | | | | | | | |
| 5 | 28.85 | 31.50 | 27.30 | 27.70 | 26.20 | 26.30 | 28.35 | ..... | 31.80 | 33.75 | ..... | ..... |
| 10 | 30.30 | 31.40 | 28.00 | 27.45 | 26.00 | 26.50 | 28.50 | ..... | 32.15 | 34.05 | 34.45 | 32.60 |
| 15 | 31.00 | 27.80 | 27.50 | 27.65 | 25.45 | 26.80 | 28.50 | ..... | 32.50 | ..... | ..... | 31.00 |
| 20 | 31.10 | 27.55 | 27.65 | 27.80 | 25.30 | 27.60 | 29.05 | 30.45 | 32.80 | ..... | ..... | 30.80 |
| 25 | 31.05 | 27.95 | 27.45 | 27.95 | 25.50 | 29.10 | 30.20 | 30.80 | 33.15 | ..... | 33.30 | 30.30 |
| Eom | 31.55 | 28.05 | 27.60 | 26.57 | 25.60 | 28.15 | ..... | 31.20 | 33.40 | ..... | ..... | 31.15 |
| 1967 | | | | | | | | | | | | |
| 5 | 31.45 | 33.40 | 34.60 | 29.60 | 26.00 | 23.50 | ..... | 28.55 | 29.20 | 29.80 | 31.10 | 32.10 |
| 10 | 32.20 | 34.00 | 33.80 | 31.80 | 24.75 | 23.55 | ..... | 28.60 | 29.50 | 29.20 | 31.40 | 32.20 |
| 15 | 31.80 | 33.80 | 32.60 | 27.80 | 23.90 | 26.75 | ..... | 28.90 | 29.55 | 30.20 | 31.60 | 32.25 |
| 20 | 31.80 | 34.20 | 32.50 | 27.30 | 23.65 | 27.30 | 26.20 | 29.00 | 29.75 | 30.30 | 31.75 | 32.40 |
| 25 | 32.60 | 34.70 | 31.35 | 26.45 | 23.60 | ..... | 28.00 | 25.30 | 29.30 | 30.50 | 32.10 | 32.50 |
| Eom | 33.35 | 34.65 | 30.85 | 26.25 | 23.50 | 27.70 | 28.10 | 29.00 | 29.65 | 30.95 | 32.20 | 32.50 |

Summit County

410307N0812801.1 (revised). Local number Su-3. Goodyear Tire & Rubber Co. Akron. 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: 1943-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 32.95 | 27.60 | 23.35 | 19.80 | 16.95 | 18.05 | 23.00 | 29.05 | 33.45 | 38.55 | 42.85 | 42.90 |
| 10 | 31.80 | 26.75 | 22.85 | 19.30 | 17.30 | 18.95 | 23.90 | 30.10 | 34.20 | 39.20 | 42.85 | 42.95 |
| 15 | 30.90 | 25.15 | ..... | 18.90 | 17.80 | 19.95 | 25.35 | 30.75 | 35.15 | ..... | 42.30 | 42.70 |
| 20 | 29.90 | 24.65 | ..... | 18.25 | 18.30 | 20.45 | 26.75 | 31.30 | 36.00 | ..... | 42.50 | 40.95 |
| 25 | 29.20 | 24.15 | ..... | 17.80 | 18.80 | 21.25 | 27.45 | 32.20 | 36.65 | 42.20 | 42.70 | 38.90 |
| Eom | 28.30 | 23.80 | 20.40 | 17.30 | 17.90 | 22.86 | 28.25 | 33.35 | 37.50 | 42.75 | 42.65 | 36.90 |
| 1964 | | | | | | | | | | | | |
| 5 | 35.50 | 30.40 | 37.05 | 28.10 | 23.85 | 30.15 | 34.90 | 34.45 | 36.05 | 42.40 | 44.30 | 44.95 |
| 10 | 34.30 | ..... | 35.90 | 27.10 | 23.40 | 31.65 | 34.15 | 34.40 | 36.20 | 43.35 | 44.05 | 45.05 |
| 15 | 33.40 | ..... | 33.80 | 26.15 | 23.20 | 33.40 | 34.35 | 34.60 | 37.30 | 43.85 | 44.20 | 45.05 |
| 20 | 32.50 | ..... | 32.20 | 25.45 | 22.50 | 34.35 | 34.80 | 34.75 | 38.70 | 43.80 | 44.50 | 45.05 |
| 25 | 31.55 | ..... | 30.50 | 24.80 | 28.15 | 34.90 | 35.25 | 34.95 | 40.30 | 43.85 | 44.75 | 45.05 |
| Eom | 30.75 | ..... | 29.20 | 24.25 | 29.20 | 35.10 | 35.00 | 35.50 | 41.30 | 44.20 | 44.95 | 42.15 |
| 1965 | | | | | | | | | | | | |
| 5 | 39.75 | 31.20 | 26.45 | 22.00 | 21.80 | 30.10 | 37.65 | 40.85 | ..... | 42.60 | 43.60 | 45.05 |
| 10 | 37.95 | 30.30 | 25.70 | 21.40 | 23.75 | 31.75 | 37.25 | 41.85 | ..... | 42.80 | 43.80 | 45.10 |
| 15 | 36.25 | 29.45 | 24.90 | ..... | 26.00 | 32.95 | 37.75 | 42.75 | ..... | 43.10 | 43.85 | ..... |
| 20 | 34.80 | 28.65 | 24.30 | ..... | 27.25 | 34.20 | 38.65 | 43.35 | ..... | 43.35 | 43.85 | ..... |
| 25 | 33.35 | 27.75 | 23.50 | ..... | 28.25 | 35.50 | 39.65 | 43.95 | ..... | ..... | 44.00 | ..... |
| Eom | 32.10 | 27.25 | 22.70 | 20.80 | 29.10 | 36.80 | 40.60 | 44.55 | 42.40 | 43.40 | 44.25 | 36.65 |
| 1966 | | | | | | | | | | | | |
| 5 | 35.15 | 29.60 | 25.70 | ..... | 26.30 | ..... | 31.90 | 37.15 | 39.40 | 45.95 | 48.10 | 43.25 |
| 10 | 33.90 | 28.90 | 25.25 | ..... | 26.50 | ..... | 32.70 | 37.65 | 41.10 | 46.50 | 48.65 | ..... |
| 15 | 32.85 | 28.10 | 24.50 | ..... | 26.70 | ..... | 33.45 | 37.50 | 42.50 | 46.90 | ..... | ..... |
| 20 | 32.00 | 27.50 | 23.90 | ..... | 26.90 | ..... | 34.25 | 37.30 | 43.65 | 47.05 | ..... | ..... |
| 25 | 31.10 | 26.80 | 23.55 | ..... | 27.20 | ..... | 34.90 | 37.40 | 44.50 | 47.40 | ..... | ..... |
| Eom | 30.25 | 26.40 | 23.40 | 26.10 | ..... | 29.82 | 35.95 | 38.10 | 45.30 | 47.90 | ..... | 35.55 |
| 1967 | | | | | | | | | | | | |
| 5 | 32.85 | 28.20 | 25.10 | ..... | ..... | ..... | ..... | 29.30 | 31.90 | 34.00 | 36.35 | 37.80 |
| 10 | 32.00 | 27.60 | 24.50 | 20.40 | ..... | ..... | ..... | 29.90 | 32.25 | 34.35 | 36.70 | 37.95 |
| 15 | 31.15 | 27.00 | 23.75 | 19.85 | ..... | ..... | ..... | 30.40 | 32.70 | 34.70 | 37.00 | 38.15 |
| 20 | 30.50 | 27.40 | ..... | 19.50 | ..... | ..... | ..... | 27.05 | 30.85 | 33.10 | 35.00 | 37.20 |
| 25 | 29.80 | 26.90 | 22.30 | 19.05 | 16.99 | ..... | ..... | 27.70 | 31.45 | 33.40 | 35.50 | 37.40 |
| Eom | 29.50 | 26.50 | 21.70 | ..... | ..... | ..... | ..... | 28.60 | 32.00 | 33.45 | 36.05 | 37.70 |

411628N0805113.1. Local number T-2a. Copperweld Steel Co. Mahoning Ave., Warren. Drilled unused artesian well in sandstone, diam 12 in, depth 120 ft. Lsd 910.22 ft above msl. MP floor of instrument shelter, 1.50 ft above lsd. Highest water level 26.95 below lsd, June 20, 1949; lowest 61.65 below lsd, Oct. 18, 1963. Records available: 1946-67. Formerly, observations were taken in well T-2, approximately 500 ft southwest. Both wells referenced to same datum. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | 42.25 | 39.85 | 40.60 | 40.65 | 32.20 | 42.25 | 42.30 | 41.85 | 41.90 |
| 10 | ..... | ..... | ..... | 41.20 | 39.60 | 41.30 | 41.90 | 37.60 | 42.50 | 42.50 | 41.00 | 41.75 |
| 15 | ..... | ..... | ..... | 41.45 | 40.05 | 41.10 | 42.85 | 39.30 | 42.20 | 42.90 | 40.60 | 40.95 |
| 20 | ..... | ..... | 42.25 | 42.00 | 40.30 | 40.70 | 38.10 | 40.35 | 41.70 | 43.00 | 41.30 | 40.45 |
| 25 | ..... | ..... | 41.85 | 40.55 | 40.10 | 41.95 | 35.40 | 40.80 | 41.90 | 42.90 | 41.90 | 40.80 |
| Eom | ..... | ..... | 42.00 | 40.05 | 40.20 | 42.30 | 33.25 | 41.65 | 41.90 | 42.50 | 42.20 | 40.30 |
| 1967 | | | | | | | | | | | | |
| 5 | 40.30 | 40.65 | 42.50 | 36.80 | 38.60 | 40.60 | 41.20 | 34.30 | 42.40 | 46.30 | 43.10 | 43.20 |
| 10 | 40.80 | 39.85 | 42.15 | 36.95 | 36.90 | 43.50 | 40.90 | 39.65 | 43.10 | 47.00 | 43.20 | 42.80 |
| 15 | 41.05 | 41.25 | 41.60 | 38.30 | 37.35 | 43.20 | 44.80 | 41.20 | 43.30 | 47.45 | 43.70 | 43.65 |
| 20 | 41.60 | 41.75 | 42.70 | 38.40 | 38.30 | 42.70 | 40.00 | 42.50 | 41.80 | 45.75 | 43.10 | 43.80 |
| 25 | 42.00 | 42.00 | 43.05 | 37.40 | 38.15 | 38.60 | 38.55 | 43.70 | 42.85 | 44.20 | 43.50 | 43.40 |
| Eom | 41.95 | 42.10 | 38.80 | 38.50 | 39.45 | 39.65 | 34.10 | 43.50 | 45.45 | 41.45 | 43.60 | 43.50 |

Tuscarawas County

403653N0813218.1 (revised). Local number Tu-1. Everett Waltz. Near Strasburg. Drilled unused water-table well in gravel, diam 4 in, depth 23 ft, cased to 23. Lsd 928.24 ft (revised) above msl. MP floor of instrument shelter, 0.90 ft above lsd. Highest water level 8.03 below lsd, Feb. 9, 1952; lowest 15.10 below lsd, Oct. 31, Nov. 1, 1966. Records available: 1946-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 13.84 | 13.61 | 13.10 | 13.37 | 11.22 | 12.48 | 13.02 | 13.72 | 14.07 | 14.56 | 14.92 | 14.99 |
| 10 | 13.89 | 13.38 | 11.36 | 10.55 | 11.48 | 12.35 | 13.22 | 13.80 | 14.13 | 14.61 | 14.92 | 15.00 |
| 15 | 13.65 | 13.53 | 10.80 | 10.82 | 11.70 | 12.25 | 13.37 | 13.88 | 14.17 | 14.68 | 14.92 | 14.98 |
| 20 | 13.58 | 13.55 | 10.35 | 10.90 | 11.93 | 12.50 | 13.47 | 13.95 | 14.23 | 14.75 | 14.97 | 15.00 |
| 25 | 13.59 | 13.55 | 9.96 | 10.70 | 12.13 | 12.68 | 13.60 | 13.98 | 14.27 | 14.81 | 14.99 | 15.01 |
| Eom | 13.66 | 13.63 | 10.28 | 10.97 | 12.35 | 12.86 | 13.70 | 14.05 | 14.52 | 14.88 | 14.99 | 15.03 |
| 1964 | | | | | | | | | | | | |
| 5 | 15.03 | 14.60 | 14.31 | 10.45 | 10.12 | 11.99 | 12.98 | 13.68 | 14.20 | 14.48 | 14.67 | 14.74 |
| 10 | 14.95 | 14.60 | 12.20 | 10.33 | 10.50 | 12.14 | 13.16 | 13.75 | 14.20 | 14.52 | 14.70 | 14.65 |
| 15 | 14.89 | 14.67 | 11.05 | 10.66 | 10.82 | 12.33 | 13.30 | 13.77 | 14.28 | 14.57 | 14.74 | 14.56 |
| 20 | 14.89 | 14.72 | 10.59 | 10.86 | 11.07 | 12.42 | 13.43 | 13.85 | 14.32 | 14.61 | 14.74 | 14.50 |
| 25 | 14.67 | 14.75 | 10.30 | 9.67 | 11.34 | 12.60 | 13.55 | 13.89 | 14.37 | 14.64 | 14.75 | 14.51 |
| Eom | 14.62 | 14.78 | 10.73 | 9.66 | 11.70 | 12.75 | 13.72 | 14.00 | 14.41 | 14.65 | 14.74 | 14.12 |
| 1965 | | | | | | | | | | | | |
| 5 | 13.94 | 12.67 | 11.15 | 11.22 | 11.62 | 12.89 | 13.80 | 14.39 | 14.20 | 14.33 | 13.45 | 13.60 |
| 10 | 13.85 | 12.33 | 10.85 | 11.28 | 11.84 | 13.06 | 13.94 | 14.41 | 14.24 | 14.33 | 13.55 | 13.67 |
| 15 | 13.78 | 11.48 | 11.01 | 10.87 | 12.06 | 13.24 | 14.02 | 14.47 | 14.25 | 14.33 | 13.60 | 13.67 |
| 20 | 13.71 | 11.63 | 11.26 | 11.07 | 12.29 | 13.37 | 14.12 | 14.54 | 14.25 | 14.24 | 13.51 | 13.75 |
| 25 | 13.28 | 11.74 | 11.22 | 11.30 | 12.50 | 13.51 | 14.23 | 14.62 | 14.29 | 13.25 | 13.55 | 13.80 |
| Eom | 12.49 | 11.31 | 11.09 | 11.39 | 12.73 | 13.68 | 14.34 | 14.45 | 14.40 | 13.35 | 13.58 | 13.87 |
| 1966 | | | | | | | | | | | | |
| 5 | 13.28 | 13.33 | 11.76 | 12.27 | 11.78 | 12.38 | 13.52 | 14.26 | 14.72 | 15.00 | 14.95 | 14.83 |
| 10 | 12.59 | 13.39 | 11.90 | 12.39 | 11.85 | 12.58 | 13.70 | 14.38 | 14.80 | 15.04 | 14.90 | 14.66 |
| 15 | 12.67 | 12.03 | 11.93 | 12.52 | 11.58 | 12.79 | 13.84 | 14.40 | 14.87 | 15.05 | 14.76 | 14.15 |
| 20 | 12.85 | 11.58 | 12.04 | 12.68 | 11.66 | 13.07 | 13.97 | 14.45 | 14.94 | 15.05 | 14.76 | 14.10 |
| 25 | 13.03 | 11.80 | 12.08 | 12.75 | 11.86 | 13.18 | 14.08 | 14.53 | 14.95 | 15.05 | 14.75 | 14.11 |
| Eom | 13.22 | 12.00 | 12.15 | 12.30 | 12.16 | 13.35 | 14.19 | 14.63 | 15.00 | 15.10 | 14.78 | 14.17 |
| 1967 | | | | | | | | | | | | |
| 5 | 14.25 | 14.27 | 13.77 | 10.52 | 11.03 | 11.24 | 12.81 | 13.67 | 14.16 | 14.27 | 14.43 | 13.89 |
| 10 | 14.30 | 14.17 | 12.54 | 10.76 | 10.79 | 11.56 | 13.00 | 13.76 | 14.23 | 14.33 | 14.36 | 13.54 |
| 15 | 14.38 | 14.15 | 11.66 | 10.94 | 10.27 | 11.88 | 13.20 | 13.89 | 14.30 | 14.36 | 14.32 | 13.27 |
| 20 | 14.44 | 13.88 | 11.57 | 11.04 | 10.18 | 12.18 | 13.35 | 13.95 | 14.37 | 14.40 | 14.25 | 13.24 |
| 25 | 14.50 | 13.88 | 10.95 | 10.78 | 10.52 | 12.42 | 13.48 | 14.05 | 14.42 | 14.43 | 14.20 | 13.13 |
| Eom | 14.51 | 13.89 | 10.42 | 10.91 | 10.93 | 12.65 | 13.59 | 14.11 | 14.31 | 14.48 | 14.16 | 13.12 |

Washington County

392458N0812711.1. Local number Wa-1. Marietta Osteopathic Clinic. 4th and Putnam Sts., Marietta. Drilled unused water-table well in gravel, diam 6 in, depth 42 ft, cased to 42. Lsd 610 ft (revised) 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, 1962. Records available: 1942-67. Water levels affected by pumping.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 28.50 | 28.50 | 28.19 | 21.15 | 25.13 | 26.92 | 27.67 | 28.55 | 28.65 | 28.70 | 28.87 | 29.00 |
| 10 | 28.52 | 28.42 | 24.12 | 22.77 | 25.75 | 26.94 | 27.67 | 28.60 | 28.87 | 28.70 | 28.91 | 29.02 |
| 15 | 28.21 | 28.46 | 23.60 | 23.74 | 25.85 | 26.62 | 28.07 | 28.44 | 28.72 | 28.74 | 28.95 | 29.05 |
| 20 | 28.30 | 28.50 | 21.71 | 24.33 | 26.15 | 26.97 | 28.25 | 28.62 | 28.95 | 28.73 | 28.95 | 29.07 |
| 25 | 28.43 | 28.52 | 19.55 | 24.26 | 26.36 | 27.24 | 28.33 | 28.62 | 28.76 | 28.93 | 29.00 | 29.12 |
| Eom | 28.45 | 28.52 | 19.70 | 24.80 | 26.68 | 27.46 | 28.48 | 28.60 | 28.81 | 28.88 | 29.01 | 29.15 |

392458N0812711.1--Continued.

| 1964 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 29.27 | 28.80 | 28.76 | 22.07 | 22.77 | 25.75 | 27.29 | 28.23 | 28.72 | 28.78 | 28.78 | 28.71 |
| 10 | 29.23 | 28.85 | 26.07 | 21.39 | 23.59 | 26.33 | 27.50 | 28.27 | 28.77 | 28.76 | 28.81 | 28.73 |
| 15 | 29.16 | 28.91 | 20.47 | 22.78 | 24.17 | 26.60 | 27.62 | 28.09 | 28.72 | 28.79 | 28.80 | 28.70 |
| 20 | 29.18 | 28.91 | 20.29 | 23.31 | 24.75 | 26.68 | 27.80 | 28.38 | 28.82 | 28.84 | 28.83 | ..... |
| 25 | 29.07 | 28.91 | 21.47 | 21.65 | 25.07 | 26.80 | 27.95 | 28.54 | 28.71 | 28.85 | 28.74 | ..... |
| Eom | 28.73 | 28.95 | 22.45 | 22.20 | 25.44 | 27.09 | 28.13 | 28.65 | 28.70 | 28.82 | 28.70 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | 27.70 | 26.90 | 25.64 | 25.02 | 25.35 | 27.18 | 28.29 | 28.84 | 28.95 | 28.70 | 28.42 | 28.29 |
| 10 | 27.54 | 26.60 | 25.16 | 25.11 | 25.95 | 27.43 | 28.44 | 28.74 | 29.06 | 28.65 | 28.43 | 28.32 |
| 15 | 27.25 | 25.63 | 25.42 | 24.54 | 26.18 | 27.40 | 28.56 | 28.96 | 29.00 | 28.65 | 28.40 | 28.42 |
| 20 | 27.57 | 26.05 | 25.59 | 24.78 | 26.31 | 27.67 | 28.43 | 28.86 | 29.04 | 28.65 | 28.37 | 28.49 |
| 25 | 27.52 | 26.20 | 25.64 | 25.01 | 26.83 | 27.93 | 28.75 | 29.09 | 28.78 | 28.52 | 28.30 | 28.59 |
| Eom | 26.46 | 25.75 | 25.09 | 24.77 | 26.89 | 28.16 | 28.75 | 29.04 | 28.75 | 28.45 | 28.30 | 28.63 |
| 1966 | | | | | | | | | | | | |
| 5 | 28.24 | 28.42 | 25.28 | 26.60 | 24.53 | 26.54 | 28.29 | 28.87 | 29.17 | 29.07 | 29.02 | 28.77 |
| 10 | 27.64 | 28.44 | 25.46 | 26.80 | 25.16 | 26.72 | 28.45 | 28.97 | 29.20 | 29.10 | 29.05 | 28.53 |
| 15 | 27.78 | 26.02 | 25.75 | 26.80 | 25.02 | 27.23 | 28.53 | 28.98 | 29.09 | 29.08 | 28.79 | 27.86 |
| 20 | 27.95 | 24.38 | 26.06 | 26.99 | 25.41 | 27.47 | 28.56 | 29.13 | 29.05 | 29.07 | 28.75 | 27.93 |
| 25 | 28.08 | 25.09 | 26.23 | 27.05 | 25.92 | 27.81 | 28.64 | 28.93 | 29.00 | 29.09 | 28.73 | 28.07 |
| Eom | 28.28 | 25.24 | 26.43 | 26.18 | 26.07 | 28.07 | 28.85 | 29.19 | 29.06 | 29.06 | 28.78 | 28.18 |
| 1967 | | | | | | | | | | | | |
| 5 | 28.28 | 28.49 | 28.53 | 24.23 | 25.78 | 25.54 | 27.54 | 28.46 | 28.59 | 28.75 | 28.63 | 28.15 |
| 10 | 28.40 | 28.44 | 25.30 | 24.53 | 24.60 | 26.07 | 27.77 | 28.54 | 28.65 | 28.65 | 28.56 | 28.06 |
| 15 | 28.50 | 28.53 | 24.44 | 24.87 | 23.57 | 26.52 | 27.93 | 28.61 | 28.65 | 28.66 | 28.50 | 27.95 |
| 20 | 28.56 | 28.44 | 23.73 | 25.29 | 23.12 | 26.87 | 28.08 | 28.64 | 28.88 | 28.70 | 28.43 | 28.10 |
| 25 | 28.62 | 28.54 | 23.58 | 25.30 | 24.03 | 27.18 | 28.29 | 28.74 | 28.73 | 28.66 | 28.33 | 28.07 |
| Eom | 28.71 | 28.60 | 23.61 | 25.54 | 24.88 | 27.43 | 28.37 | 28.72 | 28.73 | 28.69 | 28.40 | 28.11 |

Wayne County

405805N0824631.1. Local number Wn-1a. Morton Salt Co. 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 90.00 below lsd, Oct. 6, 7, 20, 21, 29, 30, Nov. 4-6, 1966. Records available: 1952-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 77.05 | 76.95 | 76.60 | 77.00 | 76.45 | 76.20 | 75.05 | 76.65 | ..... | 81.05 | 81.55 | 82.10 |
| 10 | 76.70 | 76.85 | 76.85 | 76.55 | 76.40 | 76.10 | 76.00 | 76.60 | 81.20 | 81.05 | 81.60 | 82.10 |
| 15 | 77.20 | 77.20 | 77.00 | 76.65 | 76.60 | 76.50 | 76.40 | 76.75 | 79.90 | 81.30 | 82.10 | 82.40 |
| 20 | 76.50 | 76.30 | 76.25 | 76.50 | 76.60 | 76.50 | 76.65 | 76.75 | 80.15 | 81.20 | 82.25 | 82.30 |
| 25 | 77.10 | 76.85 | 76.80 | 76.75 | 76.70 | 76.95 | 77.35 | 76.85 | 80.65 | 81.30 | 82.45 | 81.85 |
| Eom | 77.05 | 76.80 | 77.05 | 76.25 | 76.65 | 76.05 | 77.45 | ..... | 80.65 | 81.60 | 81.75 | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 81.90 | 81.90 | 82.45 | 81.40 | 81.30 | 81.20 | 81.30 | 82.70 | 80.65 | 83.90 | 84.20 |
| 10 | 82.25 | 82.10 | 81.55 | 82.10 | 81.05 | 81.35 | 78.95 | 81.70 | 82.80 | 79.85 | 84.05 | 84.65 |
| 15 | 82.25 | 82.20 | 81.70 | 81.75 | 81.40 | 81.10 | 78.45 | 81.20 | 83.30 | 81.00 | 84.75 | 84.75 |
| 20 | 81.80 | 82.00 | 81.90 | 81.70 | 81.35 | 81.00 | 80.40 | 82.25 | 83.35 | 80.60 | 84.45 | 85.00 |
| 25 | ..... | 82.05 | 81.60 | 81.60 | 81.40 | 81.25 | 80.60 | 82.45 | 83.50 | 82.85 | 85.00 | 82.80 |
| Eom | ..... | 82.10 | 82.10 | 81.30 | 81.15 | 81.30 | 81.70 | 82.65 | 83.65 | 83.85 | 83.25 | 83.70 |
| 1965 | | | | | | | | | | | | |
| 5 | 83.95 | 84.40 | 83.70 | 84.10 | ..... | ..... | ..... | 85.40 | ..... | 86.55 | 87.00 | 87.20 |
| 10 | 84.15 | 83.90 | 84.05 | 84.10 | ..... | ..... | ..... | 85.60 | ..... | 86.50 | ..... | 87.05 |
| 15 | 84.20 | 84.25 | 83.85 | 84.35 | ..... | ..... | 83.15 | 85.65 | 85.50 | 86.55 | ..... | 86.90 |
| 20 | 83.15 | 84.10 | 84.15 | 83.70 | 84.65 | ..... | 84.50 | ..... | ..... | 86.60 | ..... | 86.80 |
| 25 | 83.70 | 83.50 | 83.90 | 84.10 | ..... | ..... | 84.80 | ..... | 86.10 | ..... | 87.20 | 84.75 |
| Eom | 85.85 | 84.05 | 84.30 | ..... | ..... | ..... | 85.15 | ..... | 86.20 | 87.00 | 87.20 | 85.95 |
| 1966 | | | | | | | | | | | | |
| 5 | 86.05 | 87.10 | 85.95 | 86.40 | 86.60 | 86.10 | 84.55 | 87.40 | 88.70 | 89.90 | 90.00 | 89.34 |
| 10 | 86.60 | 84.60 | 86.70 | 86.80 | 86.70 | 86.45 | 83.55 | 87.70 | 89.10 | 89.65 | 89.47 | 89.32 |
| 15 | 86.65 | 82.90 | 86.50 | 86.60 | 86.50 | 86.40 | 85.75 | 87.80 | 89.25 | 89.80 | 89.55 | 89.34 |
| 20 | 86.90 | 85.10 | 86.00 | 86.60 | 86.40 | 86.65 | 86.30 | 88.15 | 89.35 | 90.00 | 89.47 | 89.09 |
| 25 | 87.00 | 85.35 | 86.55 | 86.65 | 86.55 | 86.75 | 86.65 | 88.25 | 89.60 | 89.90 | 89.26 | 88.38 |
| Eom | 86.85 | 85.70 | 86.30 | 86.50 | 85.30 | 86.70 | 87.10 | 88.60 | 89.70 | 89.50 | 89.37 | 88.42 |
| 1967 | | | | | | | | | | | | |
| 5 | 87.60 | 88.65 | 88.10 | ..... | 87.95 | 87.65 | ..... | 88.30 | 88.10 | 89.40 | ..... | 89.00 |
| 10 | 88.20 | ..... | ..... | ..... | 87.60 | 87.55 | ..... | 88.50 | 89.10 | 89.55 | 89.60 | ..... |
| 15 | 88.30 | ..... | 88.50 | 87.50 | 87.50 | 87.70 | ..... | 88.85 | 89.15 | 89.60 | ..... | ..... |
| 20 | 88.50 | ..... | ..... | 87.85 | 87.80 | 87.80 | 87.50 | 88.85 | 89.20 | 89.50 | ..... | ..... |
| 25 | 88.45 | ..... | ..... | 88.00 | 87.50 | 88.10 | 87.65 | 89.10 | 89.50 | ..... | ..... | ..... |
| Eom | 88.60 | ..... | ..... | 87.60 | 87.65 | 85.70 | 88.00 | 89.40 | 89.30 | ..... | ..... | ..... |

404802N0815831.1. Local number Wn-2a. City of Wooster. Drilled unused water-table well in gravel, diam 6 in, depth 65 ft, cased to 65. Lsd 850 ft (revised) above msl. MP floor of instrument shelter, 6.00 ft above lsd. Highest water level 1.55 below lsd, Jan. 27, 1952; lowest 29.70 below lsd, Dec. 14, 1967. Records available: 1951-67. Water levels affected by pumping.

404802N0815831.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 25.30 | 26.05 | 26.10 | ..... | 18.95 | 21.75 | 24.15 | 25.90 | 27.45 | 26.90 | 28.20 | 27.95 |
| 10 | 25.70 | 25.75 | 17.85 | 16.35 | 19.80 | 21.65 | 24.95 | 26.45 | 27.70 | 27.45 | 27.50 | 27.75 |
| 15 | 25.70 | 26.40 | ..... | 17.00 | 20.15 | 22.10 | 25.40 | 26.00 | 27.50 | 27.65 | ..... | 27.20 |
| 20 | 25.60 | 26.40 | ..... | 17.95 | 20.20 | 22.40 | 25.90 | 24.80 | 28.10 | 27.95 | 28.40 | 27.85 |
| 25 | 25.70 | 26.10 | ..... | 18.45 | 21.15 | 23.90 | 24.70 | 25.60 | 27.60 | 28.25 | 27.60 | 27.15 |
| Eom | 26.30 | 26.65 | ..... | 18.40 | 21.05 | 24.30 | 26.10 | 26.20 | 27.50 | 28.40 | 27.85 | 28.45 |
| 1964 | | | | | | | | | | | | |
| 5 | 27.35 | 28.80 | 28.70 | 9.50 | ..... | 16.90 | 20.25 | ..... | ..... | 24.45 | 25.65 | ..... |
| 10 | 28.25 | 28.50 | 20.30 | ..... | ..... | ..... | ..... | ..... | 24.15 | 24.85 | ..... | 25.90 |
| 15 | 28.05 | 29.10 | ..... | ..... | ..... | ..... | ..... | ..... | 23.60 | ..... | ..... | ..... |
| 20 | 28.20 | 28.90 | ..... | ..... | ..... | 18.55 | ..... | ..... | 23.85 | ..... | 26.10 | 25.95 |
| 25 | 28.35 | 28.00 | ..... | ..... | ..... | ..... | ..... | 22.10 | 24.55 | ..... | 25.65 | 26.00 |
| Eom | 28.80 | 29.10 | 13.00 | ..... | ..... | 19.95 | ..... | 21.80 | 24.40 | 25.70 | ..... | 25.85 |
| 1965 | | | | | | | | | | | | |
| 5 | 25.90 | 25.00 | 21.95 | 18.70 | 19.20 | 20.80 | 22.60 | ..... | ..... | 26.35 | 26.35 | 25.25 |
| 10 | 25.75 | 24.85 | 21.10 | 19.30 | 19.05 | 21.05 | 23.40 | 24.80 | 26.90 | ..... | ..... | 25.65 |
| 15 | 25.80 | 23.50 | 20.45 | 18.40 | 19.65 | 21.20 | 23.75 | 25.10 | 26.20 | ..... | ..... | 25.60 |
| 20 | 26.05 | 22.80 | 20.40 | 18.40 | 20.20 | 21.55 | 24.00 | ..... | ..... | ..... | 25.85 | 25.10 |
| 25 | 25.40 | 22.75 | 20.05 | 18.65 | 20.10 | 23.90 | ..... | ..... | ..... | ..... | 25.70 | 24.90 |
| Eom | 24.75 | 22.15 | 19.50 | 18.70 | 20.10 | 23.40 | ..... | 25.50 | 26.60 | ..... | 25.20 | 25.50 |
| 1966 | | | | | | | | | | | | |
| 5 | 25.00 | 24.60 | 20.35 | 20.60 | 18.95 | 20.00 | 22.60 | 26.00 | ..... | ..... | 28.30 | 26.90 |
| 10 | 24.50 | 24.65 | 20.40 | 20.80 | 19.20 | 20.25 | 22.90 | 26.45 | ..... | ..... | 28.45 | 27.65 |
| 15 | 24.50 | 21.80 | 20.65 | 20.90 | 18.65 | 21.65 | 24.10 | 25.10 | ..... | 27.90 | 27.80 | 26.45 |
| 20 | 24.60 | ..... | 20.50 | 21.00 | 20.75 | 20.60 | 24.50 | 25.60 | ..... | 27.60 | 27.80 | 25.90 |
| 25 | 24.25 | ..... | 20.80 | 21.10 | 19.00 | 23.50 | 25.30 | 25.80 | ..... | 28.00 | 27.00 | 25.30 |
| Eom | 24.20 | ..... | 20.50 | 20.20 | 19.10 | 23.90 | 24.60 | 27.45 | ..... | 27.85 | 27.30 | 25.35 |
| 1967 | | | | | | | | | | | | |
| 5 | 25.50 | 26.55 | 25.35 | 17.00 | 18.30 | 17.75 | 22.00 | 24.45 | 26.60 | 28.50 | 28.85 | 29.10 |
| 10 | 25.70 | 26.85 | 25.40 | 17.10 | 16.10 | 19.10 | 22.30 | 25.00 | 26.80 | 28.25 | 28.95 | 28.75 |
| 15 | 25.30 | 27.40 | 23.20 | 17.00 | 13.90 | 22.00 | 23.20 | 26.50 | 28.25 | 27.95 | 28.90 | 29.10 |
| 20 | 25.80 | 25.50 | 22.25 | 19.10 | 15.05 | 22.00 | 23.65 | 25.65 | 28.50 | 28.20 | 28.65 | 29.50 |
| 25 | 25.50 | 26.05 | 20.15 | 17.45 | 16.85 | 21.00 | 25.05 | 27.10 | 27.70 | 28.80 | 28.40 | 27.75 |
| Eom | 26.95 | 25.85 | 17.80 | 17.25 | 16.95 | 21.85 | 24.25 | 27.70 | 27.90 | 28.65 | 28.80 | 28.20 |

Cs-2 continued from page 169.

| Lowest water level for the day, from recorder graph, 1964 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 14.77 | 14.50 | ..... | 6.00 | 7.35 | 13.32 | 13.32 | 14.00 | 15.02 | 14.60 | 14.88 | ..... |
| 10 | 14.47 | 14.25 | ..... | 6.16 | 8.07 | 12.72 | 13.95 | 14.55 | 15.15 | 15.53 | 14.67 | 15.01 |
| 15 | 14.63 | 14.68 | ..... | 10.40 | 10.69 | 13.25 | 13.86 | 14.09 | 15.13 | 15.13 | 14.53 | 14.00 |
| 20 | 14.18 | 14.82 | ..... | 11.35 | 9.99 | 12.87 | 14.19 | 15.03 | 14.35 | 14.58 | 14.90 | 14.90 |
| 25 | 13.58 | 14.95 | ..... | 7.30 | 11.41 | 13.21 | 14.15 | 14.60 | 14.75 | 14.82 | 14.81 | ..... |
| Eom | 13.90 | 14.97 | ..... | 7.12 | 12.82 | 13.74 | 14.78 | 14.50 | 14.76 | 14.73 | 14.60 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | 13.92 | 13.01 | 10.76 | 11.60 | 12.80 | 13.64 | 14.85 | 15.00 | 13.94 | 14.59 | 14.35 | 14.60 |
| 10 | 13.00 | 11.95 | 9.80 | 11.15 | 13.13 | 14.18 | 14.91 | 14.68 | 15.05 | 14.28 | 14.20 | 15.00 |
| 15 | ..... | 8.28 | 11.13 | 10.21 | 13.88 | 14.39 | 15.05 | 14.76 | 14.76 | 15.08 | 13.83 | 15.12 |
| 20 | ..... | 11.18 | 11.81 | 11.72 | 14.19 | 14.65 | 15.13 | 14.99 | 14.50 | 13.88 | 13.73 | ..... |
| 25 | 11.40 | 12.85 | 11.21 | 11.77 | 14.19 | 15.28 | 14.65 | 15.16 | 14.95 | 12.35 | 14.27 | 15.14 |
| Eom | 10.90 | 10.50 | 11.35 | 11.66 | 12.76 | 15.45 | 15.00 | 14.62 | 14.84 | 13.63 | 14.17 | 15.16 |
| 1966 | | | | | | | | | | | | |
| 5 | 12.29 | ..... | 12.70 | 13.72 | 9.98 | 14.31 | 15.14 | 15.51 | 15.86 | 15.86 | 14.65 | 14.81 |
| 10 | 11.40 | 14.74 | 13.18 | 13.61 | 12.56 | 14.82 | 15.30 | 15.65 | 15.50 | 15.80 | 14.33 | 12.61 |
| 15 | 12.90 | 10.33 | 12.94 | 14.32 | 11.17 | 14.86 | 13.26 | 14.61 | 16.02 | 15.64 | 13.21 | 9.57 |
| 20 | 14.54 | ..... | 12.99 | 14.69 | 12.60 | 14.71 | 13.89 | 15.07 | 16.06 | 15.57 | 13.74 | 11.90 |
| 25 | ..... | 12.20 | 13.21 | 14.76 | 13.08 | 15.41 | 14.80 | 15.34 | 15.79 | 15.62 | 14.13 | 13.16 |
| Eom | 14.71 | 12.95 | 13.46 | 9.83 | 13.88 | 15.26 | 15.32 | 15.68 | 15.68 | 15.38 | 14.58 | 13.23 |
| 1967 | | | | | | | | | | | | |
| 5 | 14.45 | ..... | 13.75 | 9.94 | ..... | 13.14 | 14.10 | 14.05 | 15.01 | 14.88 | 13.87 | 13.34 |
| 10 | 14.61 | ..... | 11.89 | 10.25 | ..... | 14.11 | 14.34 | 15.00 | 14.77 | 14.79 | 14.97 | 11.88 |
| 15 | 13.76 | ..... | 7.17 | 11.12 | ..... | 14.50 | 14.64 | 15.15 | 15.33 | 14.60 | 14.84 | 12.44 |
| 20 | 15.28 | ..... | 7.10 | 11.85 | ..... | 14.31 | 14.64 | 15.10 | 15.58 | 15.02 | 14.16 | 14.29 |
| 25 | 15.23 | ..... | 7.31 | ..... | 11.93 | 14.38 | 14.77 | 15.38 | 15.01 | 15.23 | 13.54 | 12.06 |
| Eom | ..... | 13.79 | 7.70 | ..... | 12.30 | 14.92 | 14.47 | 15.42 | 14.76 | 15.01 | 14.57 | 12.25 |

Reference

Kaser, Paul, and Harstine, Leonard J., 1965, Ground-water levels in Ohio, October 1959 - September 1964; Ohio Dept. Nat. Resources, Div. of Water Bull. 41.

PENNSYLVANIA

The observation-well program was continued in Pennsylvania during the period 1963 through 1967 in cooperation with the Topographic and Geologic Survey, Pennsylvania Department of Internal Affairs. Figure 12 shows the location of observation wells included in this report.

Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained elsewhere in this publication. Local well numbers have been continued in this report for the convenience of local users and for easy reference to previously published data. The local well-numbering system used in Pennsylvania 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.

Well Descriptions and Water-Level Measurements

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

Armstrong County

404056N0793952.1. Local number Ar-2. Martin J. Cordera. Schenley. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 6 in, depth 82 ft. Lsd 780 ft above msl. MP top of casing, 0.38 ft above lsd. Highest water level 24.82 below lsd, Jan. 23, 1959; lowest 40.70 below lsd, Dec. 11, 1957. Records available: 1949-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 2, 1963 | 38.68 | Oct. 30, 1963 | 40.08 | Sept. 9, 1964 | 39.44 | July 14, 1965 | 39.22 |
| 9 | 38.45 | Nov. 6 | 39.72 | 16 | 39.89 | 21 | 39.34 |
| 16 | 36.06 | 13 | 38.42 | 23 | 39.80 | 28 | 39.70 |
| 23 | 38.22 | 20 | 38.57 | Oct. 7 | 39.64 | Aug. 4 | 39.32 |
| 30 | 38.33 | 27 | 38.78 | 14 | 39.61 | 11 | 39.72 |
| Feb. 6 | 37.77 | Dec. 4 | 36.84 | 21 | 39.47 | 18 | 39.91 |
| 13 | 38.22 | 11 | 37.50 | 28 | 39.37 | 25 | 40.04 |
| 20 | 38.42 | 18 | 38.71 | Nov. 4 | 39.32 | Sept. 1 | 39.18 |
| 28 | 38.85 | 25 | 38.50 | 11 | 39.46 | 8 | 39.41 |
| Mar. 6 | 36.01 | Jan. 1, 1964 | 38.67 | 18 | 39.38 | 15 | 39.68 |
| 13 | 32.91 | 8 | 37.10 | 25 | 32.12 | 22 | 40.11 |
| 20 | 26.51 | 15 | 37.12 | Dec. 2 | 38.23 | 29 | 39.87 |
| 27 | 27.07 | 22 | 36.73 | 9 | 37.76 | Oct. 6 | 39.50 |
| Apr. 3 | 31.80 | 29 | 32.67 | 16 | 35.52 | 13 | 39.34 |
| 10 | 35.97 | Feb. 5 | 37.28 | 23 | 37.59 | 20 | 39.40 |
| 17 | 36.12 | 12 | 38.25 | 30 | 34.84 | 27 | 38.34 |
| 24 | 34.74 | 19 | 38.32 | Jan. 6, 1965 | 33.51 | Nov. 3 | 39.29 |
| May 1 | 37.17 | 26 | 38.66 | 13 | 36.77 | 10 | 39.02 |
| 8 | 37.87 | Mar. 4 | 35.20 | 20 | 37.80 | 17 | 36.29 |
| 15 | 37.71 | 25 | 35.52 | 27 | 31.30 | 24 | 36.64 |
| 22 | 36.52 | Apr. 1 | 35.57 | Feb. 3 | 37.00 | Dec. 1 | 36.12 |
| 29 | 37.98 | 8 | 32.72 | 10 | 31.82 | 8 | 37.47 |
| June 5 | 38.12 | 15 | 35.37 | 17 | 33.85 | 15 | 36.67 |
| 12 | 37.77 | 22 | 32.59 | 24 | 36.41 | 22 | 38.05 |
| 19 | 38.67 | 29 | 34.16 | Mar. 3 | 35.82 | 29 | 36.97 |
| 26 | 38.99 | May 6 | 35.59 | 10 | 32.56 | Jan. 5, 1966 | 33.84 |
| July 3 | 38.99 | 13 | 37.58 | 17 | 36.38 | 12 | 36.62 |
| 10 | 39.29 | 20 | 37.92 | 24 | 36.05 | 19 | 38.66 |
| 17 | 39.27 | 27 | 38.20 | 31 | 33.87 | 26 | 38.92 |
| 24 | 38.80 | June 3 | 38.66 | Apr. 7 | 35.99 | Feb. 2 | 39.03 |
| 31 | 39.05 | 10 | 38.20 | 14 | 34.41 | 9 | 38.70 |
| Aug. 7 | 38.12 | 17 | 38.55 | 21 | 33.65 | 16 | 28.72 |
| 14 | 39.32 | 24 | 38.20 | 28 | 35.62 | 23 | 36.52 |
| 21 | 39.34 | July 1 | 39.11 | May 5 | 37.49 | Mar. 2 | 36.36 |
| 28 | 39.36 | 8 | 39.20 | 12 | 35.39 | 9 | 33.99 |
| Sept. 4 | 39.32 | 15 | 37.48 | 19 | 37.28 | 16 | 34.20 |
| 11 | 39.47 | 22 | 39.02 | 26 | 38.29 | 23 | 36.06 |
| 18 | 39.67 | 29 | 38.84 | June 2 | 38.52 | 30 | 36.64 |
| 25 | 39.87 | Aug. 5 | 37.18 | 9 | 38.22 | Apr. 6 | 36.10 |
| Oct. 2 | 39.83 | 12 | 38.66 | 16 | 38.78 | 13 | 36.34 |
| 9 | 39.98 | 19 | 39.08 | 23 | 39.08 | 20 | 37.47 |
| 16 | 40.04 | 26 | 39.28 | 30 | 39.10 | 27 | 33.82 |
| 23 | 40.07 | Sept. 2 | 39.12 | July 7 | 39.20 | May 4 | 32.12 |

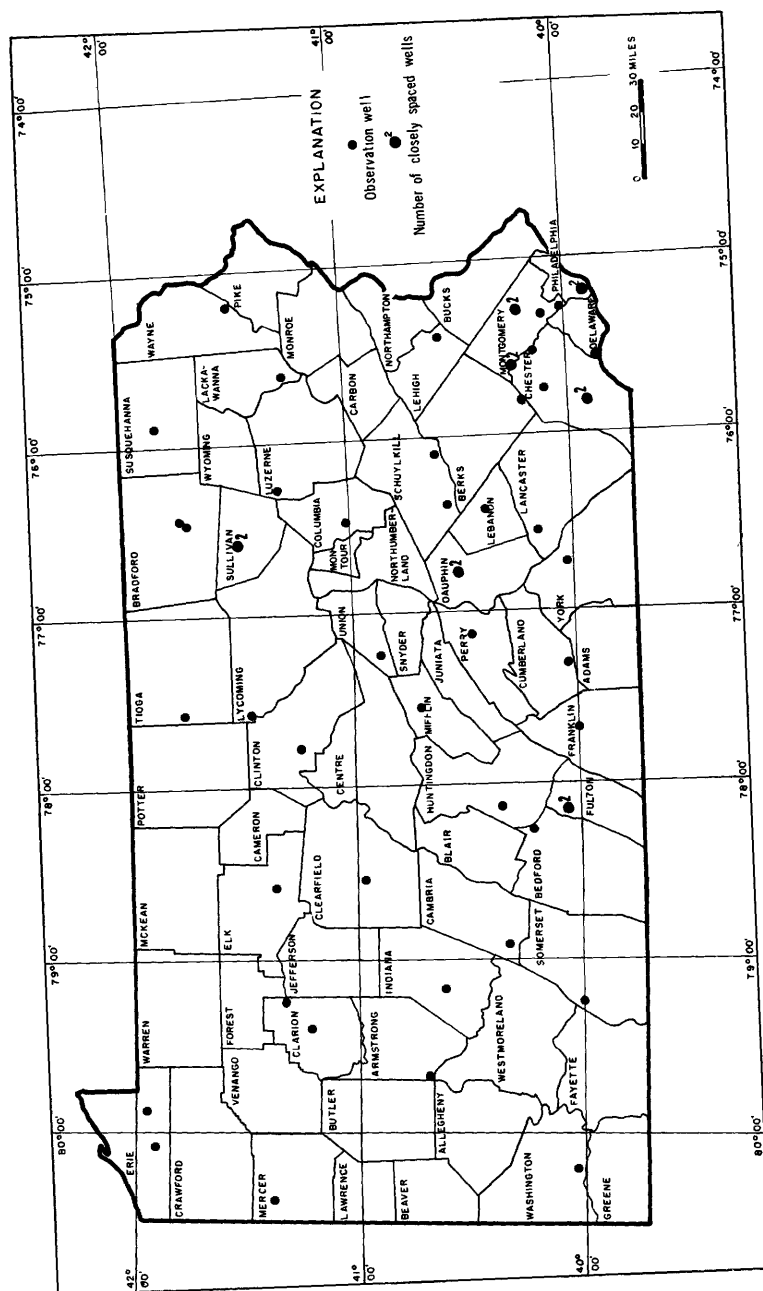


Figure 12. --Location of observation wells in Pennsylvania, 1963-67.

404056N0793952.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| May 11, 1966 | 35.90 | Oct. 12, 1966 | 39.21 | Mar. 15, 1967 | 32.42 | Aug. 9, 1967 | 37.13 |
| 18 | 35.55 | 19 | 39.37 | 22 | 35.12 | 16 | 38.61 |
| 25 | 36.66 | 26 | 39.38 | 29 | 32.37 | 23 | 37.92 |
| June 1 | 38.22 | Nov. 2 | 39.44 | Apr. 5 | 34.81 | 30 | 37.56 |
| 8 | 38.61 | 9 | 38.70 | 12 | 35.40 | Sept. 6 | 38.16 |
| 15 | 38.51 | 16 | 37.37 | 19 | 36.5 | 13 | 38.46 |
| 22 | 38.67 | 23 | 38.52 | 26 | 35.97 | 20 | 38.78 |
| 29 | 38.97 | 30 | 36.68 | May 3 | 36.92 | 27 | 38.60 |
| July 6 | 39.32 | Dec. 7 | 31.26 | 10 | 34.04 | Oct. 4 | 34.55 |
| 13 | 39.26 | 14 | 32.02 | 17 | 33.39 | 11 | 36.61 |
| 20 | 39.48 | 21 | 37.02 | 24 | 36.82 | 18 | 38.37 |
| 27 | 39.47 | 28 | 38.32 | 31 | 36.82 | 25 | 35.41 |
| Aug. 3 | 39.44 | Jan. 4, 1967 | 38.23 | June 7 | 38.42 | Nov. 1 | 36.39 |
| 10 | 39.41 | 11 | 38.60 | 14 | 38.74 | 8 | 36.41 |
| 17 | 38.91 | 18 | 39.42 | 21 | 38.57 | 15 | 36.10 |
| 24 | 38.91 | 25 | 37.42 | 28 | 38.67 | 22 | 34.84 |
| 31 | 39.41 | Feb. 1 | 36.82 | July 5 | 38.45 | 29 | 35.22 |
| Sept. 7 | 39.20 | 8 | 36.97 | 12 | 38.15 | Dec. 6 | 35.61 |
| 14 | 39.35 | 15 | 37.56 | 19 | 38.52 | 13 | 34.29 |
| 21 | 39.46 | 22 | 37.62 | 26 | 36.70 | 20 | 36.57 |
| 28 | 39.21 | Mar. 1 | 38.52 | Aug. 2 | 38.26 | 27 | 37.21 |
| Oct. 5 | 39.07 | 8 | 36.02 | | | | |

Berks County

401110N0754928.1. Local number Be-4. Commonwealth of Pennsylvania. French Creek State Park. Elverson. Dug unused water-table well in sandstone and shale of Stockton Formation, diam 48 in, depth 20 ft. Lsd 694 ft above msl. MP top of cover, 0.33 ft above lsd. Highest water level 4.53 below lsd, Apr. 7, 1958; lowest dry, Aug. 12, 1949. Records available: 1948-67. Recording gage removed in 1967. Well now measured once each month by U.S. Geological Survey.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
| 5 | 14.13 | ..... | ..... | 10.23 | 12.59 | 14.13 | 15.46 | 15.98 | 16.61 | ..... | ..... | ..... |
| 10 | 14.28 | ..... | ..... | 10.92 | 12.86 | 14.36 | 15.61 | ..... | 16.69 | ..... | ..... | ..... |
| 15 | ..... | ..... | ..... | 11.52 | 13.21 | 14.51 | 15.72 | ..... | 16.88 | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | 6.87 | 11.79 | 13.42 | 14.72 | 15.82 | ..... | 16.98 | ..... | ..... |
| 25 | ..... | ..... | ..... | 8.36 | 12.37 | 13.65 | 15.09 | 16.01 | 16.58 | ..... | ..... | ..... |
| Eom | ..... | ..... | ..... | 9.32 | 12.52 | 13.99 | 15.32 | 16.11 | 16.70 | ..... | ..... | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | 10.60 | 8.00 | 8.61 | 6.00 | 12.02 | 14.71 | 15.71 | 16.71 | 17.24 | 17.63 | 17.77 |
| 10 | ..... | 9.12 | 7.39 | 6.37 | 7.98 | 12.74 | 14.93 | 15.83 | 16.87 | 17.32 | 17.69 | 17.40 |
| 15 | ..... | 10.51 | 7.83 | 6.96 | 9.72 | 13.13 | 15.10 | 15.98 | 16.69 | 17.38 | e17.7 | e17.2 |
| 20 | ..... | 10.75 | 9.11 | 6.75 | 10.46 | e13.6 | ..... | 16.12 | 17.05 | 17.42 | e17.8 | e16.8 |
| 25 | 8.30 | 10.55 | 7.90 | 6.30 | 11.46 | 14.01 | 15.53 | 16.35 | 17.14 | 17.51 | 18.02 | 16.44 |
| Eom | 9.34 | 10.95 | 8.62 | 5.84 | 12.20 | 14.35 | 15.74 | 16.55 | 17.20 | 17.57 | 17.75 | 14.28 |
| 1965 | | | | | | | | | | | | |
| 5 | 14.42 | ..... | ..... | ..... | 11.98 | 14.11 | 15.63 | 16.51 | ..... | ..... | 17.48 | ..... |
| 10 | 13.69 | 14.22 | ..... | ..... | 12.12 | 14.38 | 15.80 | 16.63 | ..... | ..... | 17.54 | ..... |
| 15 | 12.93 | ..... | ..... | 10.48 | ..... | 14.70 | 15.81 | 16.75 | ..... | ..... | 17.60 | ..... |
| 20 | e13.2 | ..... | ..... | 10.84 | ..... | 14.96 | 15.99 | 16.91 | ..... | ..... | 17.66 | ..... |
| 25 | 13.73 | h10.83 | 11.01 | ..... | 13.26 | 15.35 | 16.18 | h16.98 | ..... | 17.33 | ..... | 17.70 |
| Eom | e16.3 | 11.74 | 10.78 | 11.54 | 13.75 | 15.50 | 16.35 | ..... | ..... | 17.40 | ..... | 17.66 |
| 1966 | | | | | | | | | | | | |
| 5 | 17.46 | 16.44 | 7.85 | 11.66 | 7.97 | 11.56 | 14.23 | 15.82 | 16.97 | 16.82 | 16.20 | ..... |
| 10 | ..... | 16.54 | 9.70 | 12.17 | 10.26 | 12.23 | 14.57 | 16.01 | 17.06 | 16.90 | 16.20 | ..... |
| 15 | ..... | ..... | 11.00 | 11.78 | 10.95 | 12.46 | 14.92 | 16.17 | 17.04 | 17.04 | ..... | ..... |
| 20 | h16.19 | ..... | 11.69 | 12.16 | 9.90 | 12.85 | 15.19 | 16.38 | 17.10 | 16.91 | ..... | 14.76 |
| 25 | e16.3 | 11.12 | 11.32 | 9.64 | 8.54 | 13.46 | 15.41 | 16.59 | 16.99 | 16.05 | ..... | ..... |
| Eom | e16.3 | 11.74 | 10.78 | 7.86 | 10.74 | 13.84 | 15.66 | 16.80 | 17.07 | 16.07 | ..... | ..... |

e Estimated.

h Tape measurement.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|----------------|-------------|---------------|-------------|
| Mar. 22, 1967 | 8.95 | June 26, 1967 | 13.63 | Sept. 26, 1967 | 16.35 | Nov. 22, 1967 | 16.25 |
| Apr. 21 | 10.56 | July 26 | 14.57 | Oct. 26 | 16.98 | Dec. 20 | 12.07 |
| May 18 | 7.04 | Aug. 25 | 15.62 | | | | |

Bradford County

414604N0762603.1. Local number Br-2. Mrs. C. Holon. Towanda. Dug unused water-table well in shale of Chemung Formation and/or drift of Pleistocene age, diam 30 in, depth 64 ft, cased with brick. Lsd 820 ft above msl. MP top of concrete cover, 0.40 ft above lsd. Highest water level 17.00 below lsd, May 25, 1947; lowest 63.49 below lsd, Feb. 4, 1965. Records available: 1931-67.

414604N0762603.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|----------------|-------------|
| Jan. 3, 1963 | 46.98 | Apr. 2, 1964 | 34.60 | July 1, 1965 | 48.02 | Sept. 29, 1966 | 56.45 |
| 10 | 49.01 | 9 | 31.59 | 8 | 48.29 | Oct. 6 | 57.06 |
| 17 | 45.79 | 16 | 31.20 | 15 | 50.36 | 13 | 57.79 |
| 24 | 48.11 | 23 | 28.63 | 22 | 51.30 | 20 | 58.10 |
| Feb. 2 | 48.68 | May 1 | 27.09 | 29 | 52.13 | 27 | 58.40 |
| 7 | 48.86 | 7 | 27.75 | Aug. 5 | 53.03 | Nov. 3 | 57.65 |
| 14 | 49.18 | 14 | 35.86 | 13 | 53.91 | 10 | 59.10 |
| 21 | 50.08 | 21 | 39.77 | 19 | 54.49 | 17 | 49.10 |
| 28 | 50.21 | 28 | 42.19 | 26 | 55.15 | 24 | 59.60 |
| Mar. 7 | 49.34 | June 4 | 43.94 | Sept. 2 | 55.80 | Dec. 1 | 59.50 |
| 14 | 33.31 | 11 | 45.29 | 9 | 56.40 | 8 | 56.99 |
| 21 | 29.38 | 18 | 46.33 | 16 | 57.03 | 15 | 54.80 |
| 28 | 28.49 | 25 | 47.42 | 23 | 57.49 | 22 | 46.56 |
| Apr. 4 | 29.02 | July 2 | 48.45 | 30 | 57.97 | Jan. 5, 1967 | 47.10 |
| 11 | 34.26 | 9 | 44.09 | Oct. 7 | 58.43 | 12 | 46.90 |
| 18 | 41.72 | 16 | 50.14 | 14 | 58.82 | 19 | 44.90 |
| 25 | 21.40 | 23 | 50.64 | 21 | 59.17 | 26 | 47.20 |
| May 2 | 43.03 | 30 | 51.63 | 28 | 59.61 | Feb. 3 | 42.60 |
| 9 | 46.81 | Aug. 8 | 52.29 | Nov. 4 | 59.98 | 9 | 39.54 |
| 16 | 41.09 | 13 | 52.92 | 12 | 60.07 | 16 | 40.20 |
| 23 | 40.36 | 20 | 53.61 | 18 | 60.07 | 22 | 39.60 |
| 30 | 33.61 | 27 | 54.29 | 26 | 60.19 | Mar. 2 | 42.52 |
| June 6 | 38.42 | Sept. 3 | 54.85 | Dec. 2 | 61.39 | 12 | 43.60 |
| 13 | 41.91 | 10 | 55.46 | 9 | 61.49 | 19 | 34.80 |
| 20 | 43.29 | 17 | 55.99 | 16 | 61.51 | 25 | 32.30 |
| 27 | 46.12 | 24 | 56.51 | 23 | 58.66 | 31 | 30.40 |
| July 4 | 47.38 | Oct. 1 | 57.08 | 30 | 57.06 | Apr. 6 | 30.60 |
| 11 | 48.59 | 8 | 57.54 | Jan. 7, 1966 | 50.30 | 13 | 31.60 |
| 18 | 49.59 | 15 | 58.02 | 13 | 45.21 | 20 | 32.80 |
| 25 | 50.54 | 22 | 57.46 | 20 | 48.73 | 28 | 32.20 |
| Aug. 1 | 51.37 | 29 | 58.88 | 27 | 50.91 | May 4 | 32.00 |
| 8 | 52.20 | Nov. 5 | 59.31 | Feb. 5 | 53.13 | 11 | 29.20 |
| 15 | 52.94 | 12 | 59.74 | 11 | 54.19 | 18 | 27.00 |
| 22 | 53.66 | 19 | 60.00 | 17 | 39.00 | 25 | 31.40 |
| 29 | 54.36 | 26 | 60.09 | 24 | 38.75 | June 1 | 37.00 |
| Sept. 5 | 55.02 | Dec. 3 | 60.11 | Mar. 3 | 35.99 | 8 | 40.00 |
| 12 | 55.60 | 10 | 60.11 | 11 | 32.05 | 16 | 42.60 |
| 19 | 56.28 | 17 | 60.12 | 17 | 30.28 | 22 | 44.00 |
| 26 | 56.68 | 24 | 60.14 | 24 | 31.17 | 29 | 45.30 |
| Oct. 3 | 57.22 | 31 | 62.26 | 31 | 30.41 | July 6 | 46.60 |
| 10 | 57.76 | Jan. 7, 1965 | 62.56 | Apr. 7 | 31.70 | 13 | 46.80 |
| 17 | 55.65 | 14 | 62.88 | 14 | 36.07 | 20 | 47.60 |
| 24 | 55.61 | 21 | 63.12 | 21 | 39.55 | 27 | 48.56 |
| 31 | 56.05 | 28 | 63.36 | 28 | 39.57 | Aug. 3 | 47.60 |
| Nov. 6 | 58.91 | Feb. 4 | 63.49 | May 5 | 31.27 | 11 | 47.40 |
| 8 | 54.95 | 11 | 63.45 | 13 | 30.66 | 17 | 45.80 |
| 14 | 55.95 | 18 | 62.19 | 20 | 29.16 | 24 | 49.60 |
| 21 | 58.00 | 24 | 62.18 | 26 | 33.61 | 31 | 50.60 |
| 30 | 56.73 | Mar. 4 | 60.84 | June 2 | 38.74 | Sept. 7 | 51.20 |
| Dec. 5 | 56.70 | 11 | 58.40 | 9 | 41.80 | 14 | 52.10 |
| 12 | 56.30 | 19 | 50.80 | 16 | 43.81 | 21 | 52.60 |
| 19 | 56.00 | 25 | 43.90 | 23 | 45.16 | 28 | 53.20 |
| 26 | 56.30 | Apr. 6 | 35.75 | 30 | 46.45 | Oct. 5 | 53.60 |
| Jan. 2, 1964 | 55.56 | 8 | 35.71 | July 7 | 42.65 | 13 | 54.57 |
| 10 | 55.54 | 15 | 34.54 | 14 | 48.62 | 20 | 56.60 |
| 23 | 49.90 | 22 | 29.92 | 21 | 49.64 | 26 | 55.60 |
| 30 | 37.90 | 29 | 30.80 | 28 | 50.49 | Nov. 1 | 55.60 |
| Feb. 6 | 36.59 | May 6 | 31.60 | Aug. 4 | 51.27 | 9 | 33.00 |
| 13 | 36.59 | 13 | 31.65 | 11 | 52.03 | 16 | 35.00 |
| 24 | 41.41 | 20 | 38.72 | 18 | 52.72 | 24 | 35.70 |
| 29 | 41.50 | 27 | 41.22 | 25 | 53.41 | 30 | 34.88 |
| Mar. 6 | 37.71 | June 3 | 43.34 | Sept. 1 | 54.09 | Dec. 7 | 35.25 |
| 12 | 28.31 | 10 | 41.97 | 8 | 54.81 | 14 | 33.84 |
| 19 | 29.51 | 17 | 44.43 | 15 | 55.35 | 21 | 33.20 |
| 28 | 31.60 | 24 | 46.40 | 23 | 55.95 | 28 | 35.10 |

414330N0762805.1. Local number Br-92. U.S. Geol. Survey. Monroeton. Drilled unused observat'on well in Chemung Formation, diam 6 in, depth 117 ft, cased to 55. Lsd 750 ft above msl. MP top of plywood cover, 3.11 ft above lsd. Highest water level 3.06 below lsd, Mar. 30, 1967; lowest 10.93 below lsd, Sept. 3, 1966. Records available: 1966-67.

Lowest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|------|
| 5 | | | | | | 8.64 | 9.81 | 10.49 | 10.90 | 10.52 | 10.39 | 9.08 |
| 10 | | | | | | 8.93 | 9.93 | 10.56 | 10.91 | 10.47 | 10.22 | 9.10 |
| 15 | | | | | | e9.0 | 10.10 | 10.66 | 10.91 | 10.48 | 10.09 | 8.92 |
| 20 | | | | | e7.0 | e9.0 | 10.22 | 10.76 | 10.86 | 10.45 | 9.89 | 8.92 |
| 25 | | | | | 7.59 | 9.50 | .... | 10.80 | 10.71 | 10.48 | 9.89 | 9.08 |
| Eom | | | | | 8.15 | 9.68 | 10.43 | 10.89 | 10.63 | 10.50 | 9.40 | 9.28 |

414330N0762805.1--Continued.

| 1967 | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 9.42 | .... | 8.82 | 4.18 | 7.39 | 7.44 | 9.54 | 6.20 | 9.32 | 9.70 | 3.28 | 7.43 |
| 10 | e9.2 | .... | 8.83 | 5.14 | 6.17 | 8.22 | 9.26 | 6.60 | 9.42 | 9.79 | 4.64 | 7.35 |
| 15 | e9.2 | .... | 5.49 | 6.34 | 5.30 | 8.76 | 8.40 | 7.44 | 9.54 | 9.85 | 5.86 | 6.90 |
| 20 | e9.2 | .... | 3.71 | 7.05 | 4.78 | 9.07 | 8.68 | 8.26 | 9.68 | 8.03 | 6.79 | 7.09 |
| 25 | 9.61 | 8.28 | 3.75 | 7.56 | 5.77 | 9.22 | 6.94 | 8.72 | 9.58 | 7.66 | 7.35 | 7.49 |
| Eom | 8.83 | 8.50 | 3.19 | 7.55 | 6.49 | 9.47 | 7.42 | 9.04 | 9.63 | 5.84 | 7.51 | 8.05 |

e Estimated.

Cambria County

401935N0785506.1. Local number Ca-1. Johnstown Tribune Publishing Co. Johnstown. Drilled unused water-table well in sandstone of Homewood Formation of Pennsylvanian age, diam 12 to 8 in, depth 180 ft, cased to 45. Lsd 1,165 ft above msl. MP top of casing, 10.00 ft below lsd. Highest water level 14.50 below lsd, Mar. 29, 1965; lowest 26.78 below lsd, July 23, 1953. Records available: 1952-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|--------------|-------------|
| Jan. 3, 1963 | 18.80 | Feb. 27, 1964 | 19.80 | May 3, 1965 | 17.30 | July 5, 1966 | 21.50 |
| 10 | 18.70 | Mar. 5 | 17.20 | 10 | 18.40 | 11 | 19.80 |
| 17 | 18.30 | 12 | 16.90 | 17 | 17.60 | 18 | 20.30 |
| 24 | 18.50 | 19 | 18.30 | 24 | 19.00 | 25 | 20.10 |
| 31 | 18.70 | 26 | 18.50 | 31 | 18.50 | Aug. 1 | 20.20 |
| Feb. 7 | 18.80 | Apr. 2 | 18.90 | June 7 | 19.40 | 15 | 19.00 |
| 14 | 18.50 | 9 | 17.70 | 14 | 19.60 | 22 | 19.60 |
| 21 | 18.80 | 16 | 18.70 | 21 | 19.60 | 29 | 19.60 |
| 28 | 18.60 | 23 | 17.40 | 29 | 19.70 | Sept. 5 | 20.20 |
| Mar. 7 | 16.30 | 30 | 17.90 | July 5 | 19.70 | 12 | 20.00 |
| 14 | 15.60 | May 7 | 18.50 | 12 | 20.00 | 19 | 20.10 |
| 21 | 16.00 | 14 | 18.00 | 19 | 20.20 | 26 | 19.70 |
| 28 | 16.70 | 21 | 19.30 | 26 | 20.20 | Oct. 8 | 19.80 |
| Apr. 4 | 17.80 | 28 | 19.30 | Aug. 2 | 20.00 | 19 | 19.80 |
| 11 | 18.60 | June 4 | 19.40 | 9 | 20.00 | Dec. 1 | 18.80 |
| 18 | 18.20 | 11 | 19.40 | 23 | 20.60 | 8 | 19.30 |
| 25 | 18.60 | 18 | 19.20 | 30 | 19.80 | 15 | 19.00 |
| May 2 | 18.80 | 25 | 18.70 | Sept. 6 | 19.80 | 22 | 19.00 |
| 9 | 19.90 | July 2 | 19.20 | 13 | 19.60 | 28 | 19.40 |
| 16 | 19.80 | 9 | 19.20 | 21 | 20.20 | Jan. 4, 1967 | 19.40 |
| 23 | 19.80 | 16 | 19.10 | 27 | 20.10 | 11 | 19.50 |
| 31 | 19.80 | 23 | 19.20 | Oct. 4 | 19.20 | 18 | 19.60 |
| June 6 | 19.90 | Aug. 10 | 19.30 | 11 | 19.70 | 25 | 19.20 |
| 13 | 19.80 | 17 | 19.30 | 18 | 19.90 | Feb. 1 | 18.40 |
| 20 | 20.20 | 24 | 19.10 | 25 | 19.20 | 8 | 18.70 |
| 27 | 20.40 | 31 | 19.60 | Nov. 1 | 19.90 | 15 | 18.90 |
| July 8 | 20.50 | Sept. 7 | 19.70 | 8 | 20.00 | 22 | 18.90 |
| 11 | 20.50 | 14 | 19.60 | 15 | 20.00 | Mar. 1 | 19.00 |
| 18 | 20.90 | 21 | 19.40 | 22 | 18.90 | 8 | 16.10 |
| 25 | 20.80 | 28 | 19.50 | 29 | 19.70 | 15 | 16.80 |
| Aug. 1 | 20.50 | Oct. 5 | 19.30 | Dec. 6 | 19.70 | 22 | 18.00 |
| 8 | 20.40 | 12 | 19.30 | 13 | 19.80 | 29 | 17.30 |
| 15 | 20.50 | 19 | 19.30 | 20 | 19.80 | Apr. 29 | 18.10 |
| 22 | 20.60 | 26 | 18.10 | 27 | 20.00 | May 29 | 18.30 |
| 29 | 20.60 | Nov. 2 | 18.10 | Jan. 6, 1966 | 18.60 | June 7 | 19.10 |
| Sept. 5 | 20.60 | 9 | 18.10 | 13 | 19.30 | 12 | 19.80 |
| 12 | 20.50 | 16 | 17.90 | 20 | 19.30 | 19 | 19.30 |
| 19 | 20.50 | 23 | 17.90 | 27 | 18.80 | 26 | 19.60 |
| 26 | 20.70 | Dec. 3 | 17.80 | Feb. 3 | 19.90 | July 3 | 19.60 |
| Oct. 3 | 20.50 | 10 | 17.80 | 10 | 18.40 | 24 | 19.60 |
| 10 | 20.70 | 17 | 17.30 | 17 | 17.50 | 31 | 18.60 |
| 17 | 20.60 | 24 | 17.60 | 24 | 18.60 | Aug. 7 | 19.10 |
| 24 | 20.60 | 31 | 16.00 | Mar. 3 | 18.00 | 14 | 19.70 |
| 31 | 20.50 | Jan. 4, 1965 | 16.00 | 10 | 18.40 | 21 | 20.30 |
| Nov. 7 | 20.30 | 11 | 16.10 | 17 | 18.30 | 28 | 19.70 |
| 14 | 20.40 | 18 | 16.80 | 24 | 19.00 | Sept. 11 | 19.90 |
| 21 | 20.40 | 25 | 16.50 | 31 | 19.00 | 18 | 18.40 |
| 28 | 20.40 | Feb. 1 | 16.50 | Apr. 7 | 18.30 | 25 | 18.30 |
| Dec. 5 | 19.70 | 8 | 15.80 | 14 | 18.60 | Oct. 4 | 19.10 |
| 12 | 19.90 | 22 | 16.80 | 21 | 18.60 | 9 | 19.40 |
| 19 | 20.00 | Mar. 1 | 16.70 | 28 | 17.60 | 16 | 19.80 |
| 26 | 19.80 | 8 | 16.00 | May 5 | 18.00 | 23 | 19.40 |
| Jan. 2, 1964 | 19.90 | 15 | 15.60 | 12 | 18.70 | 30 | 19.40 |
| 9 | 19.40 | 22 | 16.50 | 19 | 16.50 | Nov. 6 | 19.40 |
| 16 | 19.60 | 29 | 14.50 | 26 | 18.60 | 13 | 19.50 |
| 23 | 19.60 | Apr. 5 | 16.20 | June 2 | 19.30 | 20 | 19.10 |
| 30 | 19.10 | 12 | 16.20 | 9 | 19.70 | 27 | 18.60 |
| Feb. 6 | 19.30 | 19 | 16.80 | 16 | 20.20 | Dec. 4 | 18.90 |
| 13 | 19.60 | 26 | 16.70 | 23 | 20.80 | 27 | 19.00 |
| 20 | 19.80 | | | | | | |

Chester County

400543N0754452.1. Local number Ch-5. John D. Hefferman. Wallace Township. Dug unused water-table well in Precambrian quartz monzonite, diam 30 in, depth 12 ft, cased with stone. Lsd 550 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, several times during period of record. Records available: 1951-65. Measurement discontinued November 1965.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 11, 1963 | 8.16 | Sept. 20, 1963 | (f) | June 24, 1964 | 2.12 | Mar. 24, 1965 | 3.76 |
| Feb. 7 | 7.17 | Oct. 25 | (f) | July 22 | 2.68 | Apr. 26 | 3.30 |
| 28 | 6.15 | Nov. 22 | (f) | Aug. 25 | 5.03 | May 25 | 4.55 |
| Mar. 27 | 2.50 | Dec. 19 | 8.95 | Sept. 22 | 7.24 | June 24 | 5.89 |
| Apr. 24 | 2.65 | Jan. 21, 1964 | 4.33 | Oct. 22 | 8.80 | July 27 | 6.38 |
| May 24 | 2.80 | Feb. 25 | 2.39 | Nov. 24 | (f) | Aug. 25 | 7.74 |
| June 25 | 5.93 | Mar. 25 | 1.91 | Dec. 22 | (f) | Sept. 24 | 7.77 |
| July 25 | 8.10 | Apr. 21 | 1.97 | Jan. 21, 1965 | 9.38 | Oct. 21 | (f) |
| Aug. 21 | 9.57 | May 22 | 2.06 | Feb. 25 | 5.11 | Nov. 23 | (f) |

f Dry.

395450N0754854.1. Local number Ch-10. Robert J. Kleberg, Jr. (previously reported Robert J. Kelberg, Jr.). Doe Run. Drilled unused water-table well in Cockeysville Marble of late Precambrian(?) age, 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 16.22 below lsd, Nov. 3, 1963. Records available: 1951-67. Recording gage installed May 3, 1965.

| Jan. 13, 1963 | 13.82 | June 30, 1963 | 15.46 | Jan. 12, 1964 | 13.66 | Aug. 30, 1964 | 15.12 |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| 27 | 13.89 | July 7 | 15.58 | 19 | 13.27 | Sept. 13 | 15.35 |
| Feb. 17 | 13.92 | 14 | 15.67 | Feb. 2 | 12.52 | 29 | 15.50 |
| Mar. 3 | 13.39 | 21 | 15.74 | 9 | 12.17 | Oct. 10 | 15.41 |
| 10 | 13.16 | Aug. 4 | 15.97 | 23 | 12.82 | 25 | 15.42 |
| 17 | 12.74 | 11 | 15.98 | Mar. 8 | 11.54 | Nov. 8 | 15.58 |
| Apr. 1 | 12.91 | 18 | 16.03 | 22 | 12.10 | 22 | 15.64 |
| 7 | 13.17 | 25 | 16.04 | Apr. 4 | 12.38 | Dec. 6 | 15.16 |
| 15 | 13.61 | Sept. 3 | 16.06 | 12 | 11.76 | 20 | 14.62 |
| 21 | 13.92 | 8 | 16.09 | 26 | 12.04 | 27 | 14.61 |
| 28 | 14.22 | 22 | 16.12 | May 3 | 11.08 | Jan. 3, 1965 | 13.56 |
| May 5 | 13.42 | 29 | 16.06 | 17 | 12.44 | 17 | 13.52 |
| 12 | 14.71 | Oct. 13 | 16.15 | 31 | 13.26 | Feb. 7 | 12.93 |
| 19 | 14.88 | Nov. 3 | 16.22 | June 7 | 13.52 | 21 | 12.40 |
| 26 | 15.02 | 17 | 15.77 | 21 | 13.98 | Mar. 7 | 12.05 |
| June 2 | 15.16 | 24 | 15.67 | July 7 | 14.28 | 21 | 12.82 |
| 9 | 15.24 | Dec. 1 | 15.15 | 19 | 14.36 | Apr. 4 | 12.55 |
| 16 | 15.33 | 18 | 15.04 | Aug. 2 | 15.26 | 18 | 12.92 |
| 23 | 15.45 | 29 | 15.12 | 16 | 14.88 | May 2 | 12.52 |

Lowest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | 13.63 | 14.33 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 |
| 10 | | | | | 13.79 | 14.33 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 |
| 15 | | | | | 13.95 | 14.32 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 |
| 20 | | | | | 14.10 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 | 14.37 |
| 25 | | | | | 14.22 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 | 14.37 |
| Eom | | | | | 14.31 | 14.33 | 14.33 | 14.37 | 14.37 | 14.37 | 14.37 | 14.37 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 14.37 | 14.39 | 12.11 | 14.06 | 13.13 | 14.38 | 15.11 | e15.5 | ..... | 15.52 | 15.47 | ..... |
| 10 | 14.37 | 14.40 | 12.60 | 14.28 | 13.52 | 14.50 | 15.17 | e15.5 | ..... | 15.64 | 15.53 | ..... |
| 15 | 14.38 | 13.47 | 12.04 | 14.25 | 13.81 | 14.63 | 15.27 | ..... | ..... | 15.73 | 15.56 | ..... |
| 20 | 14.39 | 13.16 | 13.44 | 14.34 | 13.90 | 14.76 | 15.33 | ..... | ..... | 15.40 | 15.61 | ..... |
| 25 | 14.39 | 13.60 | 13.66 | 14.32 | 14.02 | 14.87 | ..... | ..... | 15.62 | 15.23 | ..... | ..... |
| Eom | 14.30 | 13.76 | 13.82 | 13.51 | 14.22 | 15.00 | e15.5 | ..... | 15.67 | 15.39 | ..... | ..... |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | 12.76 | 13.53 | 12.65 | 13.54 | 13.83 | 14.32 | 14.05 | 13.70 | 14.40 | 14.35 | 13.65 |
| 10 | ..... | 13.03 | 11.39 | 13.05 | 13.14 | 13.98 | 14.37 | 13.21 | 13.91 | 14.49 | 14.40 | 13.48 |
| 15 | ..... | 13.25 | 11.61 | 13.07 | 13.04 | 14.10 | 14.09 | 13.11 | 14.07 | 14.56 | 14.54 | 12.23 |
| 20 | ..... | 12.98 | 11.85 | 13.22 | 13.19 | 14.20 | 14.29 | 13.44 | 14.23 | 14.58 | 14.64 | 12.67 |
| 25 | 13.42 | 13.11 | 12.15 | 13.44 | 13.43 | ..... | 14.44 | 13.71 | 14.27 | 14.67 | 14.67 | 12.75 |
| Eom | 12.55 | 13.28 | 12.57 | 13.35 | 13.67 | 14.37 | 14.29 | 13.43 | 14.32 | 14.61 | 14.71 | 11.89 |

e Estimated.

395315N0754846.1. Local number Ch-11. J. E. Ryan. West Marlboro Township. 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 16.54 below lsd, Oct. 24, 1963. Records available: 1950-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 10, 1963 | 14.28 | Dec. 18, 1963 | 15.18 | Dec. 21, 1964 | 14.10 | Dec. 20, 1965 | 14.82 |
| Feb. 6 | 14.01 | Jan. 20, 1964 | 14.39 | Jan. 20, 1965 | 13.41 | Jan. 19, 1966 | 14.80 |
| 27 | 14.05 | Feb. 24 | 13.67 | Feb. 24 | 12.91 | Feb. 22 | 13.76 |
| Mar. 26 | 13.66 | Mar. 24 | 13.23 | Mar. 23 | 11.78 | Mar. 22 | 13.58 |
| Apr. 23 | 13.90 | Apr. 17 | 12.58 | Apr. 26 | 12.65 | Apr. 19 | 13.71 |
| May 23 | 14.44 | May 21 | 12.63 | May 24 | 13.05 | May 24 | 13.33 |
| June 24 | 14.88 | June 23 | 13.29 | June 23 | 13.53 | June 22 | 13.56 |
| July 24 | 15.37 | July 22 | 13.51 | July 26 | 13.78 | July 26 | 14.36 |
| Aug. 20 | 15.91 | Aug. 24 | 13.98 | Aug. 24 | 14.17 | Aug. 23 | 14.63 |
| Sept. 19 | 16.27 | Sept. 21 | 14.47 | Sept. 24 | 14.47 | Sept. 21 | 14.78 |
| Oct. 24 | 16.54 | Oct. 11 | 14.40 | Oct. 20 | 14.49 | Oct. 20 | 14.51 |
| Nov. 21 | 16.07 | Nov. 23 | 14.65 | Nov. 22 | 14.69 | Nov. 22 | 14.55 |

395315N0754846.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 23, 1967 | 13.60 | April 20, 1967 | 12.58 | July 25, 1967 | 13.39 | Oct. 25, 1967 | 13.67 |
| Feb. 22 | 13.00 | May 18 | 12.45 | Aug. 21 | 13.09 | Nov. 20 | 13.45 |
| Mar. 21 | 12.41 | June 26 | 13.18 | Sept. 25 | 13.43 | Dec. 19 | 12.42 |

400805N0753048.1. Local number Ch-152. Phoenix Iron and Steel Co. Phoenixville. 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 platform, 0.3 ft above lsd. Highest water level flowing, many times during period of record lowest 13.40 below lsd, Sept. 5, 1966. Records available: 1952-67. Recording gage removed November 1967; well measured monthly. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|------|-------|-------|-------|------|-------|-------|
| 5 | .... | .... | (j) | (j) | 0.28 | .... | 4.60 | 8.15 | 7.65 | 3.65 | 2.12 | 1.02 |
| 10 | .... | .... | .... | (j) | 2.01 | .... | 2.89 | 7.90 | 7.00 | 2.43 | 2.80 | .72 |
| 15 | .... | .... | .... | (j) | .80 | .... | 4.50 | 7.05 | 5.52 | 2.30 | 1.05 | .75 |
| 20 | .... | .... | .... | 0.90 | 2.17 | .... | 6.70 | 7.91 | 5.30 | 3.70 | 1.26 | .80 |
| 25 | .... | .... | .... | (j) | 1.00 | 3.78 | 7.20 | 9.05 | 3.15 | 2.68 | 1.21 | .85 |
| Eom | .... | .... | (j) | (j) | 2.55 | 4.96 | 7.95 | 8.29 | 4.40 | 2.31 | .91 | 1.10 |
| 1964 | | | | | | | | | | | | |
| 5 | 0.91 | (j) | (j) | (j) | (j) | (j) | .... | 3.55 | 6.15 | 3.60 | .... | .... |
| 10 | .20 | (j) | (j) | (j) | (j) | (j) | 1.32 | .... | 3.70 | 6.78 | 1.99 | .... |
| 15 | (j) | (j) | (j) | (j) | (j) | (j) | 1.99 | .... | 3.30 | 4.67 | 1.80 | .... |
| 20 | (j) | (j) | (j) | (j) | (j) | (j) | 2.55 | .... | 3.75 | 5.25 | 1.55 | .... |
| 25 | (j) | (j) | (j) | (j) | 0.59 | .... | 3.80 | 4.30 | 4.05 | .... | h1.73 | h0.33 |
| Eom | (j) | (j) | (j) | (j) | .43 | .... | 3.90 | 5.53 | 2.75 | .... | .... | .... |
| 1965 | | | | | | | | | | | | |
| 5 | (j) | (j) | (j) | (j) | (j) | (j) | 3.40 | 3.30 | 2.65 | 0.82 | 0.03 | 0.13 |
| 10 | (j) | (j) | (j) | (j) | (j) | .... | 3.95 | 4.32 | 3.08 | .25 | .15 | .26 |
| 15 | (j) | (j) | (j) | (j) | (j) | .... | 3.28 | 4.53 | 2.20 | (j) | .15 | .10 |
| 20 | (j) | (j) | (j) | (j) | (j) | .... | 3.25 | 4.65 | 3.51 | (j) | .10 | .12 |
| 25 | (j) | (j) | (j) | (j) | (j) | 1.85 | 3.60 | 4.29 | 3.50 | .02 | .20 | .... |
| Eom | (j) | (j) | (j) | (j) | (j) | 2.80 | 3.52 | 2.50 | 1.20 | (j) | .11 | .... |
| 1966 | | | | | | | | | | | | |
| 5 | (j) | (j) | (j) | (j) | (j) | 0.10 | 3.95 | 10.20 | 13.40 | 1.53 | 0.20 | 0.08 |
| 10 | (j) | (j) | (j) | (j) | (j) | .81 | 6.15 | 9.85 | 11.70 | 1.20 | .11 | .03 |
| 15 | (j) | (j) | (j) | (j) | (j) | 1.25 | 7.55 | 9.83 | 8.55 | 1.28 | .22 | (j) |
| 20 | (j) | (j) | (j) | (j) | (j) | 1.85 | 8.25 | 11.00 | 6.25 | .63 | .15 | (j) |
| 25 | (j) | e(j) | (j) | (j) | (j) | 2.73 | 9.30 | 11.25 | 3.20 | (j) | .19 | e(j) |
| Eom | (j) | (j) | (j) | (j) | (j) | 3.20 | 10.55 | 12.61 | 2.35 | .09 | .22 | (j) |
| 1967 | | | | | | | | | | | | |
| 5 | (j) | (j) | (j) | (j) | (j) | (j) | 2.45 | (j) | 0.48 | (j) | (j) | .... |
| 10 | (j) | (j) | (j) | (j) | (j) | (j) | 2.99 | 0.91 | .44 | (j) | (j) | .... |
| 15 | (j) | (j) | (j) | (j) | (j) | (j) | 2.30 | 1.05 | (j) | (j) | (j) | .... |
| 20 | (j) | (j) | (j) | (j) | (j) | (j) | 2.30 | 1.49 | 1.88 | (j) | (j) | (j) |
| 25 | (j) | (j) | (j) | (j) | (j) | (j) | 2.20 | (j) | (j) | (j) | (j) | .... |
| Eom | (j) | (j) | (j) | (j) | (j) | (j) | 3.45 | 2.91 | .15 | .82 | (j) | .... |

e Estimated.

h Tape measurement.

j Flowing.

Clarion County

411245N0792305.1. Local number Cr-1. John G. Meisinger. 614 Wood St., Clarion. Dug unused water-table well in sandstone of Allegheny Group of Middle and Late Pennsylvanian age, diam 36 in, depth 28 ft, cased with stone to 15. Lsd 1,480 ft above msl. MP top of manhole cover, at lsd. Highest water level 11.30 below lsd, Mar. 20, 1964; lowest 21.50 below lsd, Oct. 27, 1953. Records available: 1932-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 4, 1963 | 16.10 | June 7, 1963 | 15.15 | Nov. 8, 1963 | 18.80 | Apr. 10, 1964 | 12.00 |
| 11 | 16.00 | 14 | 13.50 | 15 | 17.20 | 17 | 12.40 |
| 18 | 12.90 | 21 | 15.00 | 22 | 17.70 | 24 | 11.95 |
| 25 | 13.50 | 28 | 15.90 | 29 | 17.40 | May 1 | 11.80 |
| Feb. 1 | 14.60 | July 5 | 16.10 | Dec. 6 | 15.50 | 8 | 13.10 |
| 8 | 14.10 | 12 | 16.90 | 13 | 14.50 | 15 | 14.00 |
| 15 | 14.10 | 19 | 17.10 | 20 | 13.00 | 22 | 15.30 |
| 21 | 14.30 | 26 | 14.30 | 27 | 15.20 | 29 | 15.70 |
| Mar. 1 | 15.10 | Aug. 2 | 15.70 | Jan. 3, 1964 | 15.80 | June 5 | 15.90 |
| 8 | 12.00 | 9 | 14.80 | 10 | 12.20 | 12 | 15.85 |
| 15 | 11.90 | 16 | 15.95 | 17 | 13.00 | 19 | 16.15 |
| 22 | 11.80 | 23 | 16.70 | 24 | 12.00 | 26 | 15.75 |
| 29 | 12.00 | 30 | 16.65 | 29 | 12.20 | July 3 | 16.00 |
| Apr. 5 | 12.45 | Sept. 6 | 16.70 | Feb. 7 | 13.00 | 10 | 16.40 |
| 16 | 13.05 | 13 | 16.50 | 14 | 13.70 | 17 | 15.05 |
| 19 | 13.00 | 20 | 16.45 | 21 | 14.30 | 24 | 15.90 |
| 26 | 12.90 | 27 | 17.40 | 28 | 15.00 | 31 | 16.50 |
| May 3 | 13.50 | Oct. 4 | 18.00 | Mar. 6 | 11.80 | Aug. 7 | 15.60 |
| 10 | 14.20 | 11 | 18.90 | 13 | 11.90 | 14 | 15.50 |
| 17 | 14.55 | 18 | 19.40 | 20 | 11.30 | 21 | 15.80 |
| 24 | 14.65 | 25 | 19.70 | 26 | 12.60 | 31 | 14.90 |
| 31 | 14.99 | Nov. 1 | 19.80 | Apr. 3 | 11.70 | Sept. 4 | 15.45 |

411245N0792305, 1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|--------------|-------------|---------------|-------------|--------------|-------------|
| Sept. 11, 1964 | 16.90 | July 9, 1965 | 16.70 | Apr. 29, 1966 | 11.90 | Mar. 3, 1967 | 14.07 |
| 18 | 17.70 | 16 | 16.15 | May 6 | 12.40 | 10 | 12.32 |
| 25 | 18.10 | 23 | 15.80 | 13 | 11.85 | 17 | 12.26 |
| Oct. 2 | 18.60 | 30 | 16.80 | 20 | 12.32 | 23 | 11.95 |
| 9 | 18.80 | Aug. 6 | 17.30 | 27 | 13.40 | 30 | 11.95 |
| 19 | 19.30 | 13 | 16.80 | June 3 | 15.05 | Apr. 20 | 12.96 |
| 23 | 19.40 | 20 | 17.20 | 10 | 15.75 | 27 | 12.43 |
| 30 | 19.50 | 27 | 17.60 | 17 | 15.90 | May 4 | 12.75 |
| Nov. 6 | 19.40 | Sept. 3 | 15.40 | 24 | 16.45 | 11 | 12.00 |
| 13 | 19.50 | 10 | 14.75 | July 1 | 16.95 | 18 | 12.13 |
| 20 | 19.10 | 17 | 15.40 | 8 | 16.95 | 25 | 13.16 |
| 27 | 17.20 | 27 | 15.70 | 15 | 17.50 | June 1 | 14.05 |
| Dec. 4 | 15.40 | Oct. 1 | 15.85 | 22 | 18.00 | 8 | 15.12 |
| 11 | 14.40 | 8 | 15.05 | 29 | 18.55 | 15 | 15.65 |
| 18 | 12.70 | 15 | 14.30 | Aug. 5 | 18.75 | 22 | 16.02 |
| 24 | 13.60 | 22 | 15.10 | 12 | 19.15 | 29 | 16.40 |
| 31 | 12.20 | 29 | 14.20 | 19 | 19.03 | July 6 | 16.72 |
| Jan. 8, 1965 | 12.20 | Nov. 5 | 15.10 | 26 | 19.20 | 13 | 17.43 |
| 15 | 12.50 | 12 | 15.15 | Sept. 2 | 19.45 | 20 | 17.64 |
| 22 | 13.60 | 19 | 12.15 | 9 | 19.35 | 27 | 16.80 |
| 29 | 12.10 | 26 | 13.00 | 16 | 19.50 | Aug. 3 | 16.14 |
| Feb. 5 | 13.40 | Dec. 3 | 12.95 | 23 | 18.30 | 10 | 16.53 |
| 12 | 11.90 | 10 | 13.50 | 30 | 18.80 | 17 | 16.70 |
| 19 | 12.75 | 17 | 12.80 | Oct. 7 | 18.50 | 24 | 17.60 |
| 26 | 13.30 | 24 | 13.70 | 14 | 18.60 | 31 | 15.61 |
| Mar. 3 | 11.70 | 31 | 14.05 | 21 | 18.50 | Sept. 7 | 15.25 |
| 12 | 12.10 | Jan. 7, 1966 | 12.00 | 28 | 18.70 | 14 | 15.96 |
| 19 | 12.10 | 14 | 13.20 | Nov. 4 | 18.55 | 21 | 16.86 |
| 26 | 12.05 | 21 | 14.70 | 18 | 13.85 | 28 | 16.12 |
| Apr. 2 | 12.20 | 28 | 16.25 | 25 | 15.50 | Oct. 5 | 14.90 |
| 9 | 12.90 | Feb. 4 | 16.50 | Dec. 2 | 12.75 | 12 | 14.50 |
| 15 | 12.90 | 11 | 14.85 | 9 | 11.90 | 20 | 14.13 |
| 23 | 12.30 | 18 | 12.15 | 16 | 11.90 | 26 | 13.65 |
| 30 | 12.85 | 25 | 13.15 | 23 | 13.50 | Nov. 2 | 13.95 |
| May 7 | 13.70 | Mar. 4 | 12.60 | 30 | 14.35 | 9 | 14.10 |
| 14 | 12.70 | 11 | 13.10 | Jan. 6, 1967 | 14.85 | 16 | 14.40 |
| 21 | 14.20 | 19 | 13.00 | 13 | 14.35 | 24 | 12.00 |
| 28 | 15.20 | 25 | 12.55 | 20 | 13.60 | 30 | 12.53 |
| June 7 | 14.20 | Apr. 1 | 12.10 | 27 | 15.60 | Dec. 7 | 12.32 |
| 11 | 14.70 | 7 | 12.50 | Feb. 10 | 13.60 | 14 | 12.41 |
| 18 | 15.80 | 15 | 13.10 | 17 | 13.75 | 21 | 12.90 |
| 25 | 13.17 | 25 | 13.45 | 24 | 13.25 | 28 | 13.10 |
| July 2 | 16.74 | | | | | | |

412020N0791339, 1. Local number Cr-3. Commonwealth of Pennsylvania. Cook Forest State Park. Drilled unused water-table well in sandstone of Pottsville Group of Early 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 37.50 below lsd, May 6, 1966; lowest 92.20 below lsd, Dec. 6, 1952. Records available: 1950-67.

| | | | | | | | |
|--------------|-------|--------------|-------|---------------|-------|---------------|-------|
| Jan. 4, 1963 | 75.60 | Nov. 8, 1963 | 71.80 | June 26, 1964 | 51.00 | Dec. 10, 1965 | 55.50 |
| 11 | 76.60 | 15 | 74.80 | July 3 | 50.30 | 17 | 50.60 |
| 18 | 76.60 | 22 | 75.00 | 10 | 53.50 | 23 | 50.10 |
| 25 | 75.60 | 29 | 75.60 | 17 | 55.00 | 31 | 47.50 |
| Feb. 1 | 74.70 | Dec. 6 | 76.10 | 24 | 55.80 | Jan. 7, 1966 | 46.00 |
| 15 | 73.00 | 20 | 77.30 | 31 | 57.00 | 14 | 44.70 |
| Apr. 5 | 53.20 | 27 | 77.70 | Aug. 7 | 58.00 | 20 | 45.00 |
| May 3 | 46.90 | Jan. 3, 1964 | 78.40 | 14 | 58.60 | Feb. 4 | 45.40 |
| 14 | 46.50 | 10 | 81.40 | 21 | 59.40 | 11 | 46.80 |
| 24 | 47.40 | 17 | 78.30 | 28 | 57.90 | 18 | 45.30 |
| 31 | 47.20 | 27 | 77.80 | Mar. 11, 1965 | 44.40 | 25 | 43.00 |
| June 7 | 46.80 | 31 | 76.80 | 26 | 39.30 | Mar. 4 | 42.80 |
| 14 | 46.60 | Feb. 7 | 72.60 | Apr. 9 | 41.23 | 10 | 41.35 |
| 21 | 46.50 | 14 | 70.80 | 23 | 40.53 | 18 | 40.25 |
| 29 | 46.50 | 21 | 69.50 | May 7 | 42.00 | 25 | 39.20 |
| July 5 | 46.30 | 28 | 66.70 | June 4 | 40.10 | Apr. 1 | 39.50 |
| 12 | 47.50 | Mar. 6 | 64.40 | 18 | 42.00 | 8 | 40.80 |
| 19 | 48.00 | 13 | 57.80 | July 2 | 42.70 | 15 | 40.80 |
| 26 | 49.60 | 20 | 53.60 | 16 | 44.10 | 22 | 41.50 |
| Aug. 2 | 50.90 | 27 | 49.60 | 30 | 46.80 | 29 | 40.30 |
| 9 | 53.40 | Apr. 3 | 48.00 | Aug. 13 | 47.90 | May 6 | 37.50 |
| 16 | 57.20 | 10 | 46.80 | 27 | 50.60 | 13 | 38.90 |
| 23 | 58.60 | 17 | 46.10 | Sept. 10 | 58.80 | 20 | 38.10 |
| 30 | 59.80 | 24 | 45.10 | 25 | 61.20 | 27 | 39.00 |
| Sept. 6 | 61.40 | May 1 | 44.60 | Oct. 4 | 63.60 | June 3 | 40.60 |
| 13 | 63.30 | 8 | 44.60 | 11 | 66.10 | 10 | 40.90 |
| 20 | 63.40 | 15 | 45.80 | 29 | 67.70 | 17 | 41.80 |
| 27 | 64.50 | 22 | 46.50 | Nov. 5 | 68.10 | 24 | 42.60 |
| Oct. 4 | 66.50 | 29 | 46.90 | 12 | 66.60 | July 1 | 43.60 |
| 11 | 67.00 | June 5 | 47.50 | 19 | 63.40 | 8 | 44.80 |
| 18 | 68.60 | 12 | 48.20 | Dec. 3 | 58.20 | 15 | 45.80 |
| 26 | 70.10 | 17 | 48.60 | | | 22 | 47.00 |

412020N0791339.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|-------------|-------------|---------------|-------------|
| July 29, 1966 | 47.80 | Dec. 23, 1966 | 62.60 | May 5, 1967 | 41.70 | Sept. 1, 1967 | 45.10 |
| Aug. 5 | 51.80 | 30 | 65.40 | 12 | 40.40 | 8 | 45.40 |
| 12 | 54.90 | Jan. 6, 1967 | 62.50 | 19 | 38.50 | 15 | 46.50 |
| 19 | 57.10 | 13 | 59.80 | 26 | 39.50 | 22 | 46.90 |
| 26 | 59.30 | 20 | 62.50 | June 2 | 41.80 | 29 | 47.80 |
| Sept. 2 | 61.30 | 27 | 55.90 | 9 | 41.40 | 6 | 46.90 |
| 9 | 63.30 | Feb. 3 | 56.80 | 16 | 42.00 | 13 | 50.00 |
| 16 | 64.50 | 10 | 49.90 | 23 | 42.90 | 20 | 48.50 |
| 23 | 66.10 | 17 | 50.40 | 30 | 43.30 | 26 | 46.30 |
| 30 | 67.10 | 24 | 51.60 | July 7 | 44.50 | Nov. 3 | 44.90 |
| Oct. 7 | 69.20 | Mar. 3 | 48.06 | 14 | 43.60 | 10 | 44.50 |
| 14 | 70.60 | 23 | 43.20 | 21 | 43.60 | 16 | 44.80 |
| 21 | 71.40 | 30 | 42.00 | 28 | 42.10 | Dec. 1 | 42.60 |
| 28 | 74.80 | Apr. 7 | 41.10 | Aug. 4 | 41.60 | 8 | 41.20 |
| Nov. 4 | 73.50 | 14 | 41.80 | 11 | 42.60 | 15 | 41.20 |
| 18 | 75.20 | 21 | 41.50 | 18 | 43.30 | 22 | 40.80 |
| Dec. 9 | 74.80 | 28 | 42.20 | 25 | 44.30 | 29 | 41.20 |
| 16 | 72.80 | | | | | | |

Clearfield County

405810N0783133.1. Local number Cf-4. Jared I. McNaul. Curwensville. Dug unused water-table well in sandstone of Allegheny Group, 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; lowest 21.44 below lsd, Nov. 16, 23, 1964. Records available: 1946-67.

| | | | | | | | |
|--------------|-------|---------------|-------|--------------|-------|---------------|-------|
| Jan. 7, 1963 | 20.61 | Jan. 20, 1964 | 20.07 | Feb. 1, 1965 | 19.31 | Feb. 13, 1966 | 18.61 |
| 14 | 20.27 | 27 | 19.52 | 8 | 19.39 | 20 | 18.38 |
| 21 | 20.01 | Feb. 3 | 19.70 | 15 | 18.44 | 27 | 18.97 |
| 28 | 20.20 | 10 | 20.03 | 22 | 19.40 | Mar. 6 | 18.98 |
| Feb. 4 | 20.25 | 17 | 20.19 | Mar. 1 | 19.80 | 13 | 18.70 |
| 11 | 20.38 | 24 | 20.30 | 8 | 19.45 | 20 | 18.80 |
| 18 | 20.51 | Mar. 2 | 20.38 | 15 | 18.45 | 27 | 18.99 |
| 25 | 20.55 | 9 | 18.46 | 22 | 18.18 | Apr. 3 | 19.26 |
| Mar. 4 | 20.60 | 16 | 17.55 | 29 | 17.75 | 10 | 19.01 |
| 11 | 19.66 | 23 | 18.44 | Apr. 4 | 18.38 | 17 | 19.09 |
| 18 | 18.68 | 30 | 19.05 | 11 | 19.12 | 24 | 19.35 |
| 25 | 18.44 | Apr. 6 | 18.11 | 18 | 19.26 | May 1 | 17.73 |
| Apr. 1 | 19.02 | 13 | 18.17 | 25 | 18.81 | 8 | 18.29 |
| 8 | 19.40 | 20 | 18.99 | May 2 | 18.79 | 15 | 17.70 |
| 15 | 19.84 | 27 | 18.21 | 9 | 19.13 | 22 | 17.77 |
| 22 | 20.06 | May 4 | 18.01 | 16 | 19.28 | 29 | 18.36 |
| 29 | 20.16 | 11 | 18.62 | 23 | 19.65 | June 5 | 18.80 |
| May 6 | 20.26 | 18 | 19.19 | 30 | 19.82 | 12 | 19.14 |
| 13 | 20.31 | 25 | 19.56 | June 6 | 19.98 | 19 | 19.36 |
| 20 | 20.35 | June 1 | 19.80 | 12 | 20.08 | 26 | 19.60 |
| 27 | 20.33 | 8 | 19.99 | 20 | 20.24 | July 3 | 19.77 |
| June 3 | 20.35 | 15 | 19.99 | 27 | 20.34 | 10 | 19.75 |
| 10 | 20.40 | 22 | 20.01 | July 4 | 20.40 | 17 | 19.77 |
| 17 | 20.42 | 29 | 19.97 | 11 | 20.44 | 24 | 19.99 |
| 24 | 20.47 | July 6 | 20.12 | 18 | 20.48 | 31 | 20.14 |
| July 1 | 20.51 | 13 | 20.35 | 25 | 20.54 | Aug. 7 | 20.30 |
| 8 | 20.54 | 20 | 20.26 | Aug. 1 | 20.61 | 14 | 20.40 |
| 15 | 20.59 | 27 | 20.45 | 8 | 20.61 | 21 | 20.22 |
| 22 | 20.59 | Aug. 3 | 20.56 | 15 | 20.66 | 28 | 20.20 |
| 29 | 20.64 | 10 | 19.75 | 22 | 20.71 | Sept. 4 | 20.18 |
| Aug. 5 | 20.66 | 17 | 20.18 | 29 | 20.80 | 11 | 19.64 |
| 12 | 20.70 | 24 | 20.45 | Sept. 5 | 20.68 | 18 | 19.98 |
| 19 | 20.72 | 31 | 20.60 | 12 | 20.72 | 25 | 19.85 |
| 26 | 20.74 | Sept. 7 | 20.70 | 19 | 20.70 | Oct. 2 | 19.76 |
| Sept. 2 | 20.78 | 14 | 20.80 | 26 | 20.74 | 9 | 19.53 |
| 9 | 20.81 | 21 | 20.90 | Oct. 3 | 20.74 | 23 | 20.07 |
| 16 | 20.78 | 28 | 21.01 | 10 | 20.65 | 30 | 20.30 |
| 23 | 20.77 | Oct. 5 | 21.05 | 17 | 20.53 | Nov. 6 | 20.44 |
| 30 | 20.89 | 12 | 21.01 | 24 | 20.55 | 13 | 19.53 |
| Oct. 7 | 21.01 | 19 | 21.09 | 31 | 20.57 | 20 | 19.42 |
| 14 | 21.02 | 26 | 21.17 | Nov. 7 | 20.69 | 27 | 19.77 |
| 21 | 21.10 | Nov. 2 | 21.27 | 14 | 20.71 | Dec. 4 | 18.72 |
| 24 | 21.15 | 9 | 21.35 | 21 | 20.55 | 11 | 18.40 |
| 28 | 21.20 | 16 | 21.44 | 28 | 20.49 | 18 | 18.70 |
| Nov. 4 | 21.27 | 23 | 21.44 | Dec. 5 | 20.34 | 25 | 19.15 |
| 11 | 21.02 | 30 | 21.33 | 12 | 20.42 | Jan. 1, 1967 | 19.45 |
| 18 | 20.98 | Dec. 7 | 21.06 | 19 | 20.48 | 8 | 19.70 |
| 25 | 20.99 | 14 | 20.82 | 26 | 20.52 | 15 | 19.79 |
| Dec. 2 | 20.77 | 21 | 20.55 | Jan. 2, 1966 | 20.48 | 22 | 19.98 |
| 9 | 20.59 | 28 | 20.52 | 9 | 19.38 | 29 | 19.29 |
| 16 | 20.58 | Jan. 4, 1965 | 19.57 | 16 | 19.51 | Feb. 5 | 18.34 |
| 23 | 20.66 | 11 | 19.06 | 23 | 19.98 | 12 | 18.75 |
| 30 | 20.70 | 18 | 19.48 | 30 | 19.99 | 19 | 18.49 |
| Jan. 6, 1964 | 20.67 | 25 | 19.89 | Feb. 6 | 20.34 | 26 | 18.94 |

405810N0783133.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Mar. 5, 1967 | 18.75 | May 21, 1967 | 18.04 | Aug. 6, 1967 | 19.55 | Oct. 22, 1967 | 20.05 |
| 12 | 17.52 | 28 | 18.48 | 13 | 19.04 | 29 | 19.70 |
| 19 | 17.56 | June 4 | 18.78 | 20 | 19.37 | Nov. 5 | 20.02 |
| 26 | 17.76 | 11 | 19.16 | 27 | 19.37 | 12 | 20.05 |
| Apr. 2 | 17.99 | 18 | 19.39 | Sept. 3 | 18.75 | 19 | 19.92 |
| 9 | 18.32 | 25 | 19.57 | 10 | 19.78 | 26 | 19.24 |
| 16 | 18.36 | July 2 | 19.72 | 17 | 20.19 | Dec. 3 | 19.66 |
| 23 | 18.20 | 9 | 19.60 | 24 | 20.28 | 10 | 19.36 |
| 30 | 18.01 | 16 | 19.10 | Oct. 1 | 19.42 | 17 | 19.29 |
| May 7 | 18.32 | 23 | 19.33 | 8 | 19.99 | 24 | 19.69 |
| 14 | 17.60 | 30 | 19.01 | 15 | 20.24 | 31 | 19.88 |

Clinton County

411424N0774623.1. Local number Cn-1. Commonwealth of Pennsylvania. Sproul State Forest. Drilled cased water-table well in sandstone of Pottsville Group, diam 6 in, depth 78 ft, cased to 38. Lsd 2,050 ft above msl. MP top of platform, 0.20 ft above lsd. Highest water level 44.00 below lsd, Jan. 13, 1951; lowest 57.00 below lsd, Dec. 8, 1964. Records available: 1950-67. Recording gage installed Apr. 2, 1964.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 7, 1963 | 51.48 | Apr. 29, 1963 | 47.84 | Aug. 26, 1963 | 51.27 | Dec. 17, 1963 | 53.80 |
| 14 | 51.26 | May 6 | 47.85 | Sept. 3 | 52.79 | 23 | 53.50 |
| 21 | 51.20 | 13 | 47.85 | 9 | 52.98 | 30 | 53.20 |
| 28 | 51.21 | 20 | 49.24 | 16 | 53.15 | Jan. 6, 1964 | 53.15 |
| Feb. 4 | 51.20 | 27 | 49.30 | 23 | 53.37 | 15 | 52.45 |
| 11 | 50.60 | June 3 | 49.31 | 30 | 53.60 | 20 | 57.70 |
| 18 | 50.59 | 10 | 49.32 | Oct. 7 | 53.80 | 27 | 52.10 |
| 25 | 51.08 | 17 | 49.40 | 14 | 54.14 | Feb. 3 | 57.83 |
| Mar. 4 | 50.60 | 24 | 49.40 | 20 | 54.14 | 10 | 57.61 |
| 11 | 51.45 | July 1 | 49.32 | 29 | 54.64 | 12 | 57.53 |
| 18 | 50.55 | 8 | 50.10 | Nov. 4 | 54.87 | 17 | 57.51 |
| 25 | 50.30 | 22 | 50.10 | 12 | 54.80 | 24 | 57.50 |
| Apr. 1 | 49.10 | 29 | 51.30 | 18 | 54.90 | Mar. 2 | 57.60 |
| 8 | 48.50 | Aug. 5 | 51.30 | 26 | 54.70 | 9 | 50.74 |
| 15 | 48.70 | 12 | 51.28 | Dec. 3 | 53.69 | 16 | 49.55 |
| 22 | 47.82 | 19 | 51.27 | 9 | 54.10 | 24 | 49.20 |

Lowest water level for the day, from recorder graph, 1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | 49.35 | 48.52 | 50.36 | 51.70 | 53.16 | 53.96 | 55.17 | ..... | e57.9 |
| 10 | | | | 49.35 | 48.58 | 50.67 | 51.96 | 53.26 | 54.09 | 55.35 | ..... | ..... |
| 15 | | | | 49.31 | 48.89 | 50.92 | 52.19 | 53.41 | 54.32 | 55.52 | ..... | ..... |
| 20 | | | | 49.20 | 40.18 | 51.20 | 52.45 | 53.54 | 54.54 | 55.71 | ..... | ..... |
| 25 | | | | 48.85 | 49.49 | 51.30 | 52.77 | 53.65 | 54.75 | ..... | ..... | ..... |
| Eom | | | | 48.65 | 49.94 | 51.54 | 53.02 | 53.81 | 54.97 | ..... | ..... | ..... |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | 51.95 | ..... | 49.64 | 50.35 | 51.83 | 53.19 | 54.14 | 55.18 | 55.40 | 54.05 |
| 10 | 56.39 | 53.81 | 51.91 | ..... | 49.52 | 50.57 | 52.00 | 53.37 | 54.30 | 55.21 | 55.46 | ..... |
| 15 | ..... | 53.23 | 51.85 | ..... | 49.58 | 50.83 | 52.26 | 53.47 | 54.47 | 55.34 | 55.34 | ..... |
| 20 | 55.41 | ..... | 51.87 | ..... | 49.77 | 50.99 | 52.55 | 53.64 | 54.63 | 55.40 | 55.25 | ..... |
| 25 | ..... | 52.22 | ..... | 49.62 | 49.86 | 51.43 | 52.74 | 53.74 | 54.86 | 55.41 | 54.91 | ..... |
| Eom | ..... | 52.24 | ..... | 49.51 | 50.13 | 51.57 | 52.97 | 53.95 | 55.04 | 55.35 | 54.50 | ..... |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 52.81 | ..... | 50.84 | 49.30 | 49.46 | 48.64 | 50.77 | 52.64 | 53.73 | 54.49 | 55.03 | 57.82 |
| 10 | 52.41 | ..... | 50.58 | 49.54 | 49.17 | 49.02 | 51.09 | 52.86 | 53.91 | 54.51 | 54.91 | 57.25 |
| 15 | 52.17 | ..... | 49.94 | 49.64 | 48.84 | 49.37 | 51.46 | 53.07 | 54.06 | 54.62 | 54.38 | 57.75 |
| 20 | e52.1 | ..... | 49.41 | 49.85 | 48.62 | 49.84 | 51.75 | 53.24 | 54.21 | 54.78 | 53.99 | 57.34 |
| 25 | ..... | 51.31 | 49.17 | 49.94 | 48.29 | 50.19 | 52.04 | 53.38 | 54.40 | 54.72 | 53.57 | 57.25 |
| Eom | ..... | 51.34 | 49.13 | 49.85 | 48.86 | 50.50 | 52.38 | 53.60 | 54.50 | 54.88 | 53.11 | 57.24 |

1967

| | | | | | | | | | | | | |
|-----|-------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 51.36 | ..... | ..... | 48.18 | h48.09 | 47.70 | 49.55 | 51.35 | 52.56 | 54.27 | ..... | ..... |
| 10 | 51.39 | ..... | ..... | 48.17 | ..... | 48.10 | 49.78 | 51.64 | 54.03 | ..... | ..... | ..... |
| 15 | 51.42 | ..... | ..... | 47.90 | ..... | 48.59 | 50.10 | 51.88 | 54.12 | ..... | ..... | ..... |
| 20 | 51.55 | h51.20 | ..... | 48.11 | ..... | 48.89 | 50.39 | 52.06 | 54.24 | ..... | ..... | ..... |
| 25 | 51.50 | 51.26 | ..... | 48.24 | ..... | 49.11 | 50.66 | 52.27 | 54.39 | ..... | ..... | ..... |
| Eom | 51.22 | 51.18 | ..... | 48.16 | ..... | 49.38 | 50.87 | 52.47 | 54.38 | ..... | ..... | ..... |

e Estimated.

h Tape measurement.

Columbia County

410010N0762750.1. Local number Co-1. Fred E. Walters. Fernville. 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 below lsd, Sept. 2, 1933; lowest 14.38 below lsd, Nov. 28, 1931. Records available: 1931-67.

410010N0762750.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|----------------------------|-------------|
| Jan. 7, 1963 | 10.80 | Mar. 23, 1964 | 10.20 | June 14, 1965 | 11.30 | Sept. 12, 19 ³⁶ | 13.30 |
| 14 | 10.70 | 30 | 10.40 | 21 | 11.50 | 19 | 13.10 |
| 21 | 10.90 | Apr. 6 | 10.50 | 28 | 12.70 | 26 | 12.20 |
| 28 | 10.90 | 13 | 10.70 | July 5 | 12.90 | Oct. 3 | 11.70 |
| Feb. 4 | 10.80 | 20 | 10.60 | 12 | 12.70 | 10 | 11.90 |
| 11 | 10.60 | 27 | 10.30 | 19 | 13.00 | 17 | 12.10 |
| 18 | 10.90 | May 4 | 10.20 | 26 | 13.20 | 24 | 12.30 |
| 25 | 11.00 | 11 | 10.50 | Aug. 1 | 12.10 | 28 | 12.20 |
| Mar. 4 | 11.20 | 18 | 10.70 | 9 | 11.90 | Nov. 7 | 12.30 |
| 11 | 10.70 | 25 | 11.00 | 11 | 12.10 | 12 | 12.50 |
| 18 | 9.70 | June 1 | 11.10 | 23 | 11.90 | 22 | 12.70 |
| 25 | 9.90 | 8 | 11.30 | 30 | 11.60 | 28 | 12.30 |
| Apr. 1 | 10.40 | 15 | 11.30 | Sept. 6 | 11.90 | Dec. 5 | 12.50 |
| 8 | 10.70 | 22 | 11.40 | 13 | 12.10 | 12 | 12.30 |
| 15 | 10.90 | 29 | 11.80 | 20 | 11.80 | 19 | 12.50 |
| 22 | 11.20 | July 6 | 11.90 | 27 | 11.90 | 27 | 12.70 |
| 29 | 11.40 | 13 | 12.20 | Oct. 4 | 12.40 | Jan. 2, 1937 | 11.50 |
| May 6 | 11.20 | 20 | 12.40 | 11 | 12.20 | 9 | 11.70 |
| 13 | 11.50 | 27 | 12.30 | 18 | 12.00 | 16 | 11.20 |
| 20 | 11.20 | Aug. 3 | 12.50 | 25 | 12.10 | 23 | 11.40 |
| 27 | 11.10 | 10 | 13.40 | Nov. 1 | 12.20 | 30 | 11.70 |
| June 3 | 11.30 | 17 | 13.30 | 8 | 12.10 | Feb. 6 | 11.50 |
| 10 | 11.40 | 24 | 12.50 | 15 | 12.20 | 13 | 11.40 |
| 17 | 11.20 | 31 | 13.90 | 22 | 12.30 | 20 | 11.70 |
| 24 | 11.50 | Sept. 7 | 14.00 | 29 | 12.40 | 27 | 11.90 |
| July 1 | 12.20 | 14 | 14.00 | Dec. 6 | 12.20 | Mar. 6 | 11.70 |
| 8 | 12.50 | 21 | 13.80 | 13 | 12.00 | 13 | 11.40 |
| 15 | 12.30 | 28 | 13.70 | 20 | 12.20 | 20 | 10.80 |
| 22 | 12.50 | Oct. 5 | 13.20 | 24 | 12.40 | 27 | 11.25 |
| 29 | 12.70 | 12 | 13.00 | Jan. 3, 1966 | 11.70 | Apr. 3 | 11.20 |
| Aug. 5 | 12.80 | 19 | 12.80 | 10 | 11.50 | 11 | 11.40 |
| 12 | 13.10 | 26 | 12.50 | 17 | 11.40 | 17 | 11.20 |
| 19 | 13.00 | Nov. 2 | 12.70 | 24 | 11.70 | 24 | 11.40 |
| 26 | 12.90 | 9 | 12.90 | Feb. 7 | 11.90 | May 1 | 11.70 |
| Sept. 2 | 13.20 | 16 | 13.00 | 14 | 11.40 | 8 | 11.20 |
| 9 | 13.80 | 23 | 13.80 | 21 | 11.20 | 15 | 11.10 |
| 16 | 13.90 | 30 | 13.50 | 28 | 11.10 | 29 | 10.90 |
| 23 | 13.70 | Dec. 1 | 13.40 | Mar. 7 | 11.20 | June 14 | 11.20 |
| 30 | 12.50 | 14 | 12.90 | 14 | 11.40 | 19 | 11.30 |
| Oct. 7 | 13.90 | 21 | 12.80 | 21 | 11.20 | 26 | 11.30 |
| 14 | 14.00 | 28 | 12.10 | 28 | 11.30 | July 3 | 11.20 |
| 21 | 14.10 | Jan. 4, 1965 | 11.40 | Apr. 4 | 10.80 | 10 | 11.30 |
| 24 | 14.10 | 11 | 11.30 | 11 | 11.20 | 17 | 11.50 |
| 27 | 13.90 | 18 | 11.40 | 18 | 11.20 | 24 | 11.70 |
| Nov. 4 | 13.80 | 25 | 11.50 | 25 | 11.00 | 31 | 11.20 |
| 11 | 13.16 | Feb. 1 | 11.80 | May 2 | 10.90 | Aug. 7 | 11.40 |
| 18 | 13.30 | 8 | 11.30 | 9 | 10.70 | 13 | 11.70 |
| 25 | 13.10 | 15 | 10.70 | 16 | 10.50 | 21 | 11.50 |
| Dec. 2 | 12.90 | 22 | 10.90 | 23 | 10.70 | Sept. 4 | 11.70 |
| 9 | 12.50 | Mar. 1 | 10.70 | 30 | 10.80 | 11 | 11.90 |
| 15 | 12.70 | 8 | 10.90 | June 6 | 11.00 | 18 | 12.20 |
| 23 | 12.60 | 15 | 11.00 | 13 | 11.20 | 27 | 12.60 |
| 30 | 12.30 | 22 | 10.80 | 20 | 11.50 | Oct. 2 | 12.40 |
| Jan. 6, 1964 | 12.20 | 29 | 10.70 | 29 | 11.70 | 9 | 12.20 |
| 13 | 12.40 | Apr. 5 | 10.90 | July 4 | 12.50 | 16 | 12.30 |
| 20 | 10.40 | 12 | 10.80 | 11 | 12.70 | 23 | 12.40 |
| 27 | 10.20 | 19 | 11.10 | 18 | 12.70 | 30 | 12.10 |
| Feb. 3 | 10.30 | 26 | 11.00 | 25 | 12.50 | Nov. 13 | 11.90 |
| 10 | 10.40 | May 1 | 10.90 | Aug. 1 | 12.70 | 20 | 12.00 |
| 17 | 10.20 | 10 | 11.10 | 8 | 12.90 | 27 | 12.20 |
| 24 | 10.40 | 17 | 11.00 | 15 | 12.70 | Dec. 4 | 12.40 |
| Mar. 2 | 10.20 | 24 | 11.10 | 22 | 12.50 | 11 | 12.30 |
| 9 | 9.50 | 31 | 10.90 | 29 | 12.90 | 18 | 12.40 |
| 16 | 9.70 | June 7 | 11.00 | Sept. 5 | 13.10 | 25 | 12.20 |

Cumberland County

400209N0771833.1. Local number Cu-2. Commonwealth of Pennsylvania. Michaux State Forest. Drilled unused water-table well in sandstone of Loudoun Formation of Early Cambrian(?) age, diam 6 in, depth 37 ft. Lsd 955 ft above mal. 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: 1951-67.

400209N0771833.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|--------|--------|-------|-------|--------|-------|--------|--------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 24.75 | 22.95 | 22.51 | 14.10 | 17.40 | ..... | 20.55 | 23.90 | 26.60 | 30.08 | ..... | 30.38 |
| 10 | 24.70 | 22.71 | 20.45 | 14.40 | 17.81 | 19.53 | 21.10 | 24.39 | 27.00 | 30.32 | ..... | 29.80 |
| 15 | 24.39 | 22.72 | 18.50 | 15.08 | 18.38 | 19.43 | 21.67 | 24.90 | 27.39 | 30.59 | ..... | ..... |
| 20 | 23.82 | 22.51 | 15.47 | 15.60 | 18.81 | 19.40 | 22.10 | 25.35 | 29.09 | 30.80 | h31.62 | ..... |
| 25 | 23.50 | 22.60 | 14.22 | 16.30 | 19.04 | 19.70 | 22.75 | 22.75 | 29.45 | ..... | 31.69 | ..... |
| Eom | 23.08 | 22.60 | 13.99 | 16.82 | 19.41 | 20.12 | 23.35 | 26.23 | 29.80 | ..... | 30.79 | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | 16.42 | 11.65 | 18.25 | 22.00 | 25.01 | 27.80 | 29.90 | 31.02 | 31.52 |
| 10 | ..... | ..... | ..... | 16.41 | 12.25 | 18.95 | 22.61 | 25.41 | 28.22 | 30.10 | 31.15 | 31.40 |
| 15 | ..... | ..... | ..... | 16.37 | 13.48 | 19.55 | 23.10 | 25.85 | 28.65 | 30.30 | 31.32 | 31.20 |
| 20 | ..... | ..... | ..... | 16.45 | 16.10 | e14.60 | 20.15 | 23.50 | 26.35 | 29.00 | 30.50 | 30.90 |
| 25 | 26.45 | ..... | ..... | 16.25 | 14.16 | 15.80 | 20.75 | 23.90 | 26.82 | 29.35 | 30.68 | 31.65 |
| Eom | ..... | ..... | ..... | 16.19 | 13.20 | 17.20 | 21.32 | 24.58 | 27.38 | 29.65 | 30.85 | 31.55 |
| 1965 | | | | | | | | | | | | |
| 5 | 30.25 | 28.62 | 23.10 | 15.10 | 17.10 | 19.55 | 22.70 | 25.77 | 27.90 | 29.75 | 30.15 | 30.75 |
| 10 | 29.95 | 27.30 | 20.30 | 15.05 | 17.60 | 20.00 | 23.30 | 26.10 | 28.22 | 29.80 | 30.28 | 30.84 |
| 15 | 29.65 | 26.00 | 18.50 | 15.31 | 18.10 | 20.50 | 23.79 | 26.45 | 28.55 | 28.85 | 30.37 | 30.90 |
| 20 | 29.40 | 25.40 | 17.70 | 15.75 | 18.60 | 20.91 | 24.35 | 26.85 | 28.82 | 29.95 | 30.49 | ..... |
| 25 | 29.20 | 25.08 | 17.10 | 16.25 | 18.88 | 21.60 | 24.85 | 27.15 | 29.18 | 30.00 | 30.59 | ..... |
| Eom | 28.82 | 23.80 | 15.89 | 16.65 | 19.22 | 22.19 | 25.49 | 27.55 | 29.50 | 30.05 | 30.66 | ..... |
| 1966 | | | | | | | | | | | | |
| 5 | 31.10 | 30.95 | 23.60 | 20.50 | 19.45 | 20.12 | 23.24 | 27.10 | 29.92 | 29.50 | 29.67 | 29.69 |
| 10 | 30.93 | 31.01 | 21.75 | 20.75 | 18.97 | 20.52 | 23.90 | 27.62 | 30.32 | 29.31 | 29.80 | 29.49 |
| 15 | 30.78 | 29.05 | 21.00 | 20.91 | 18.80 | 20.92 | 24.58 | 28.10 | 30.50 | 29.30 | 29.93 | 29.35 |
| 20 | ..... | 27.33 | 20.65 | 21.01 | 18.95 | 21.47 | 25.21 | 28.53 | 30.40 | 29.35 | 30.05 | 29.17 |
| 25 | 30.80 | 26.51 | 20.45 | 20.90 | e19.18 | 22.05 | ..... | 28.99 | 29.97 | 29.40 | 30.14 | 29.04 |
| Eom | 30.85 | 26.25 | 20.35 | 20.30 | 19.17 | 22.63 | 26.53 | 29.51 | 29.72 | 29.50 | 29.87 | 28.97 |
| 1967 | | | | | | | | | | | | |
| 5 | 28.85 | 26.90 | 25.03 | ..... | 17.39 | 16.80 | ..... | 21.60 | 23.25 | ..... | 25.80 | 25.45 |
| 10 | 28.79 | 26.41 | 22.40 | ..... | 16.28 | 17.50 | ..... | 21.68 | 23.65 | ..... | 25.60 | 24.98 |
| 15 | 28.65 | 26.05 | 20.81 | ..... | 15.38 | 18.39 | ..... | 21.90 | 24.05 | ..... | 25.50 | 23.15 |
| 20 | 28.58 | 25.75 | 19.90 | ..... | 15.22 | 19.05 | ..... | 20.65 | 22.15 | 24.48 | ..... | e22.70 |
| 25 | 28.48 | ..... | 19.13 | 17.79 | 15.35 | ..... | ..... | 21.09 | 22.65 | 24.85 | 26.15 | 25.49 |
| Eom | 27.47 | 25.20 | 18.18 | 17.56 | 16.15 | ..... | 21.60 | 22.98 | h25.10 | 26.00 | 25.48 | 20.12 |

e Estimated.

h Tape measurement.

Dauphin County

402118N0764621.1. Local number Da-350. William R. Miller. R.D. #1, Linglestown. Drilled unused artesian well in Martinsburg Shale, diam 6 in, depth 225 ft, cased to 19. Lsd 460 ft above msl. MP top of plywood cover, 1.30 ft above lsd. Highest water level 3.80 below lsd, Mar. 1, 1966; lowest 6.95 below lsd, Sept. 11, 12, 1966. Records available: 1965-67. Recording gage removed 1967.

| Lowest water level for the day, from recorder graph, 1965 | | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|-------|------|------|------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 4.95 | 5.25 | 4.55 | 4.70 | 5.15 | 5.65 | 5.60 | 5.85 | 6.00 | 5.80 | 5.40 | 5.23 |
| 10 | 4.70 | 4.40 | 4.33 | 4.85 | 4.95 | 4.85 | 5.70 | 5.81 | 6.07 | 5.18 | 5.42 | 5.42 |
| 15 | .... | 4.60 | 4.65 | 4.99 | 5.25 | 5.19 | 5.72 | 5.92 | 5.95 | 5.05 | 5.47 | 5.15 |
| 20 | 5.10 | .... | 4.52 | 4.73 | 5.35 | .... | 5.85 | 6.00 | 6.00 | 5.20 | 5.30 | 5.29 |
| 25 | 5.00 | 4.80 | 4.52 | 4.92 | 5.40 | 5.40 | 5.90 | 5.90 | 6.03 | 4.95 | 5.22 | 5.30 |
| Eom | 5.12 | 4.73 | 4.45 | 5.05 | 5.51 | 5.55 | 5.00 | 5.95 | 6.05 | 5.22 | 5.10 | 5.12 |
| 1966 | | | | | | | | | | | | |
| 5 | 5.00 | 5.42 | 3.83 | 4.84 | .... | 5.42 | 6.00 | 6.29 | 6.70 | 5.67 | 5.60 | 5.15 |
| 10 | 4.88 | 5.40 | 4.25 | 4.98 | .... | 5.50 | 6.03 | 6.25 | 6.90 | 5.72 | 5.62 | 5.26 |
| 15 | 5.10 | 4.00 | 4.45 | 4.91 | .... | 5.61 | 6.11 | 6.20 | 6.20 | 5.79 | 5.50 | 5.00 |
| 20 | 5.21 | 4.30 | 4.75 | 5.10 | .... | 5.75 | 6.21 | 6.35 | 6.10 | 5.65 | 5.60 | 4.99 |
| 25 | 5.30 | 4.49 | 4.25 | 4.30 | 5.10 | 5.85 | 6.30 | 6.41 | 5.92 | 5.75 | 5.67 | 5.10 |
| Eom | 4.90 | 4.45 | 4.62 | 4.40 | 5.27 | 5.90 | 6.20 | 6.68 | 5.98 | 5.79 | 4.94 | 4.90 |

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 20, 1967 | 4.98 | Apr. 25, 1967 | 5.05 | July 18, 1967 | 5.58 | Oct. 27, 1967 | 6.15 |
| Feb. 6 | 4.55 | May 23 | 4.63 | Aug. 23 | 5.24 | Nov. 20 | 5.14 |
| Mar. 27 | 4.19 | June 26 | 5.60 | Sept. 21 | 5.63 | Dec. 20 | 4.70 |

402132N0764722.1. Local number Da-353. Walter Compton. Linglestown. Drilled artesian well in Martinsburg Shale, diam 6 in, depth 184 ft, cased to 21. Lsd 500 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 1.66 above lsd, Mar. 27, 1967; lowest 6.73 below lsd, Sept. 12, 13, 1966. Records available: 1965-67.

| Lowest water level for the day, from recorder graph, 1965 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | -0.15 | -0.25 | (j) | (j) | -0.99 | -2.60 | -2.70 | -3.23 | -3.98 | -2.55 | -1.15 | -0.37 |
| 10 | (j) | (j) | (j) | -0.30 | .90 | 1.20 | 2.88 | 2.99 | 4.40 | .65 | 1.30 | .93 |
| 15 | (j) | (j) | -0.03 | .65 | 1.41 | 1.15 | 2.99 | 3.30 | .... | .35 | .... | .25 |
| 20 | .25 | .10 | .19 | .27 | 1.68 | .... | 3.60 | 3.95 | .... | .75 | .95 | .37 |
| 25 | .35 | .30 | (j) | .50 | 1.90 | 1.99 | 3.75 | 3.43 | 3.84 | (j) | .75 | .50 |
| Eom | .22 | (j) | (j) | .59 | 2.25 | 2.35 | 4.35 | 3.95 | 3.92 | .60 | .15 | (j) |

402132N0764722.1--Continued.

| 1966 | | | | | | | | | | | |
|------|-------|------|-------|-------|-------|-------|-------|-------|-------|--------|---------------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. Dec. |
| 5 | +0.35 | .... | .... | -0.50 | +0.60 | .... | -4.40 | -5.55 | -6.41 | .... | .... |
| 10 | -.05 | .... | .... | .91 | -.30 | .... | 4.35 | 5.75 | 6.61 | .... | .... |
| 15 | .... | .... | .... | .95 | .62 | .... | 4.82 | .... | 5.05 | .... | .... |
| 20 | .... | .... | .... | -1.29 | 1.00 | .... | 5.12 | .... | 4.29 | h-2.71 | h-0.94 h+0.59 |
| 25 | .... | .... | -0.05 | +1.20 | hl.44 | -3.52 | 5.36 | 6.04 | .... | .... | .... |
| Eom | .... | .... | .02 | .98 | .... | 3.93 | 5.20 | 6.30 | .... | .... | .... |

h Tape measurement.

j Flowing.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 30, 1967 | +0.88 | Apr. 25, 1967 | -0.19 | July 19, 1967 | -1.74 | Oct. 28, 1967 | -0.79 |
| Feb. 23 | .97 | May 23 | +.90 | Aug. 23 | .63 | Nov. 22 | -.30 |
| Mar. 27 | +1.66 | June 26 | -1.84 | Sept. 21 | 1.70 | Dec. 25 | +1.10 |

Delaware County

395040N0753418.1. Local number De-3. Mrs. Hope W. Ebert. Birmingham Township. Dug unused water-table well in gneiss of Wissahickon Formation, diam 42 in, depth 23 ft, cased with stone. Lsd 260 ft at ove msl. MP top of concrete base, 1.80 ft above lsd. Highest water level 7.90 below lsd, Aug. 22, 1955; lowest dry, Nov. 16 - Dec. 21, 1964, Nov. 29 - Dec. 27, 1965, Jan. 3 - Feb. 7, 1966. Records available: 1950-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|--------------|-------|
| Jan. 7, 1963 | 15.53 | Feb. 24, 1964 | 13.54 | Apr. 19, 1965 | 14.04 | June 6, 1966 | 14.31 |
| 14 | 15.33 | Mar. 2 | 13.78 | 26 | 14.12 | 13 | 14.59 |
| 21 | 15.18 | 9 | 13.07 | May 3 | 14.29 | 20 | 14.80 |
| 28 | 15.13 | 16 | 13.13 | 10 | 14.43 | 27 | 14.98 |
| Feb. 4 | 14.96 | 23 | 13.53 | 17 | 14.60 | July 4 | 15.17 |
| 11 | 14.76 | 30 | 13.52 | 24 | 14.71 | 10 | 15.34 |
| 18 | 14.40 | Apr. 6 | 13.69 | 31 | 15.00 | 18 | 15.58 |
| 26 | 14.17 | 13 | 13.20 | June 7 | 15.17 | 25 | 15.79 |
| Mar. 4 | 14.26 | 20 | 13.18 | 14 | 15.37 | Aug. 1 | 15.98 |
| 11 | 13.29 | 27 | 13.48 | 21 | 15.53 | 8 | 16.17 |
| 18 | 13.27 | May 4 | 13.14 | 28 | 15.72 | 15 | 16.38 |
| 25 | 13.32 | 11 | 12.87 | July 5 | 15.90 | 22 | 16.60 |
| Apr. 1 | 13.52 | 18 | 13.42 | 12 | 16.17 | 29 | 16.80 |
| 8 | 13.73 | 25 | 13.87 | 19 | 16.21 | Sept. 5 | 17.01 |
| 15 | 14.12 | June 1 | 14.25 | 26 | 16.36 | 12 | 17.27 |
| 22 | 14.30 | 8 | 14.58 | Aug. 2 | 16.47 | 19 | 17.41 |
| 29 | 14.59 | 15 | 14.49 | 9 | 16.63 | 26 | 17.18 |
| May 6 | 14.82 | 22 | 15.17 | 16 | 16.79 | Oct. 3 | 16.89 |
| 13 | 15.15 | 29 | 15.42 | 23 | 16.94 | 10 | 16.57 |
| 20 | 15.23 | July 6 | 15.65 | 30 | 17.11 | 17 | 16.33 |
| 27 | 15.39 | 20 | 16.02 | Sept. 6 | 17.25 | 24 | 14.84 |
| June 3 | 15.54 | 27 | 16.18 | 13 | 17.36 | 31 | 14.04 |
| 10 | 15.67 | Aug. 3 | 16.35 | 20 | 17.51 | Nov. 7 | 14.00 |
| 17 | 15.81 | 10 | 16.54 | 27 | 17.66 | 14 | 14.10 |
| 24 | 15.98 | 17 | 16.70 | Oct. 4 | 17.81 | 21 | 14.35 |
| 27 | 16.00 | 24 | 16.89 | 11 | 17.96 | 28 | 14.58 |
| July 8 | 16.21 | 31 | 17.16 | 18 | 18.16 | Dec. 5 | 14.86 |
| 15 | 16.35 | Sept. 7 | 17.27 | 25 | 18.17 | 12 | 15.01 |
| 22 | 16.52 | 14 | 17.44 | Nov. 1 | 18.29 | 19 | 15.06 |
| 29 | 16.68 | 21 | 17.64 | 8 | 18.41 | 26 | 15.00 |
| Aug. 5 | 16.84 | 28 | 17.81 | 15 | 18.47 | Jan. 2, 1967 | 14.56 |
| 12 | 17.00 | Oct. 5 | 17.99 | 22 | 18.57 | 9 | 13.98 |
| 19 | 17.18 | 12 | 18.31 | 29 | (f) | 16 | 13.10 |
| 26 | 17.33 | 19 | 18.42 | Dec. 6 | (f) | 23 | 12.89 |
| Sept. 2 | 17.42 | 26 | 18.56 | 13 | (f) | 30 | 13.01 |
| 9 | 17.62 | Nov. 2 | 18.77 | 20 | (f) | Feb. 6 | 13.21 |
| 16 | 17.76 | 9 | 18.67 | 27 | (f) | 13 | 13.60 |
| 23 | 17.90 | 16 | (f) | Jan. 3, 1966 | (f) | 20 | 13.74 |
| 30 | 18.01 | 23 | (f) | 10 | (f) | 27 | 13.87 |
| Oct. 7 | 18.19 | 30 | (f) | 17 | (f) | Mar. 6 | 13.90 |
| 14 | 18.27 | Dec. 7 | (f) | 24 | (f) | 13 | 11.27 |
| 21 | 18.62 | 14 | (f) | 31 | (f) | 20 | 12.16 |
| 28 | 18.52 | 21 | (f) | Feb. 7 | (f) | 27 | 12.88 |
| Nov. 1 | 18.64 | 28 | 18.37 | 14 | 17.43 | Apr. 3 | 13.29 |
| 11 | 18.42 | Jan. 4, 1965 | 17.36 | 21 | 15.16 | 10 | 13.61 |
| 18 | 18.29 | 11 | 16.47 | 28 | 14.18 | 17 | 13.96 |
| 25 | 18.20 | 18 | 15.69 | Mar. 7 | 12.59 | 24 | 14.19 |
| Dec. 2 | 17.60 | 25 | 15.09 | 14 | 12.70 | May 1 | 14.47 |
| 9 | 17.15 | Feb. 1 | 14.32 | 21 | 13.17 | 8 | 14.61 |
| 16 | 16.43 | 8 | 13.25 | 28 | 13.58 | 15 | 14.66 |
| 23 | 15.87 | 15 | 12.24 | Apr. 4 | 13.94 | 22 | 14.61 |
| 30 | 15.49 | 22 | 12.29 | 11 | 14.32 | 29 | 14.78 |
| Jan. 6, 1964 | 15.15 | Mar. 1 | 12.91 | 18 | 14.57 | June 5 | 14.89 |
| 13 | 13.23 | 8 | 13.23 | 25 | 14.61 | 12 | 15.05 |
| 20 | 12.73 | 15 | 13.47 | May 2 | 14.40 | 19 | 15.20 |
| 26 | 12.19 | 22 | 13.76 | 9 | 13.87 | 26 | 15.39 |
| Feb. 3 | 12.22 | 29 | 13.83 | 16 | 13.83 | July 3 | 15.54 |
| 10 | 12.79 | Apr. 5 | 13.92 | 23 | 14.14 | 10 | 15.71 |
| 17 | 13.31 | 12 | 13.87 | 30 | 14.25 | 17 | 15.89 |

395040N0753418.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| July 24, 1967 | 16.03 | Sept. 4, 1967 | 13.30 | Oct. 16, 1967 | 15.21 | Nov. 27, 1967 | 15.32 |
| 31 | 16.17 | 11 | 13.40 | 23 | 15.42 | Dec. 4 | 14.81 |
| Aug. 7 | 16.27 | 18 | 13.82 | 30 | 15.55 | 11 | 14.27 |
| 14 | 15.64 | 25 | 14.28 | Nov. 6 | 15.57 | 18 | 12.88 |
| 21 | 15.38 | Oct. 2 | 14.65 | 13 | 15.43 | 25 | 12.89 |
| 28 | 14.40 | 9 | 14.95 | 20 | 15.34 | | |

f Dry.

Elk County

412148N078629.1. Local number Ek-1. Mrs. Elizabeth Ernst. Kersey. Drilled unused water-table well in shale and sandstone of Allegheny Group, 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: 1941-67.

| | | | | | | | |
|--------------|-------|---------------|-------|--------------|-------|--------------|-------|
| Jan. 4, 1963 | 12.02 | Apr. 10, 1964 | 10.48 | July 7, 1965 | 11.49 | Oct. 7, 1966 | 11.55 |
| 11 | 11.98 | 17 | 10.60 | 16 | 11.65 | 14 | 11.51 |
| 18 | 11.74 | 24 | 10.38 | 23 | 12.00 | 21 | 11.35 |
| 25 | 11.83 | May 1 | 10.31 | 30 | 11.90 | 28 | 11.55 |
| Feb. 1 | 11.74 | 8 | 10.31 | Aug. 6 | 11.70 | Nov. 4 | 11.75 |
| 8 | 11.84 | 15 | 10.46 | 13 | 11.85 | 11 | 11.25 |
| 15 | 11.90 | 22 | 10.80 | 20 | 12.05 | 18 | 11.15 |
| 22 | 12.28 | 29 | 11.11 | 27 | 12.10 | 25 | 11.08 |
| Mar. 1 | 12.12 | June 6 | 11.35 | Sept. 7 | 12.00 | Dec. 2 | 11.18 |
| 8 | 12.08 | 12 | 11.45 | 10 | 11.85 | 9 | 10.60 |
| 15 | 11.65 | 19 | 11.47 | 17 | 11.90 | 16 | 10.55 |
| 22 | 11.35 | 26 | 12.38 | 24 | 11.90 | 23 | 10.60 |
| 29 | 11.08 | July 3 | 11.80 | Oct. 1 | 11.80 | 30 | 10.85 |
| Apr. 5 | 11.00 | 10 | 11.85 | 8 | 11.48 | Jan. 6, 1967 | 10.90 |
| 12 | 11.22 | 17 | 11.48 | 15 | 11.41 | 13 | 10.95 |
| 19 | 11.39 | 23 | 11.55 | 22 | 11.25 | 20 | 11.15 |
| 26 | 11.40 | 31 | 11.82 | 29 | 11.40 | 27 | 10.65 |
| May 3 | 11.49 | Aug. 8 | 11.52 | Nov. 5 | 11.34 | Feb. 3 | 10.70 |
| 10 | 11.72 | 14 | 11.52 | 12 | 11.24 | 10 | 11.00 |
| 17 | 11.60 | 21 | 11.52 | 19 | 11.05 | 17 | 10.70 |
| 24 | 11.75 | 28 | 11.55 | 26 | 11.75 | 24 | 10.60 |
| 31 | 11.54 | Sept. 4 | 11.57 | Dec. 3 | 10.76 | Mar. 3 | 10.65 |
| June 7 | 11.42 | 11 | 11.85 | 10 | 10.75 | 17 | 10.60 |
| 14 | 11.62 | 18 | 12.08 | 17 | 11.74 | 17 | 10.70 |
| 21 | 12.02 | 25 | 12.26 | 24 | 10.74 | 24 | 10.48 |
| 28 | 12.08 | Oct. 2 | 12.24 | 31 | 10.90 | 31 | 10.20 |
| July 5 | 12.24 | 9 | 12.32 | Jan. 7, 1966 | 10.60 | Apr. 7 | 10.25 |
| 12 | 12.46 | 16 | 12.33 | 14 | 10.65 | 14 | 10.20 |
| 19 | 12.48 | 23 | 13.00 | 21 | 10.85 | 21 | 10.15 |
| 26 | 12.30 | 30 | 12.62 | 28 | 11.20 | 28 | 10.18 |
| Aug. 2 | 12.62 | Nov. 6 | 12.72 | Feb. 4 | 11.20 | May 5 | 10.20 |
| 9 | 12.82 | 13 | 12.76 | 11 | 11.20 | 12 | 10.10 |
| 16 | 12.88 | 20 | 12.75 | 18 | 10.70 | 19 | 9.95 |
| 23 | 12.90 | 27 | 12.72 | 25 | 10.73 | 26 | 10.00 |
| 30 | 12.89 | Dec. 4 | 12.60 | Mar. 4 | 10.70 | June 2 | 10.15 |
| Sept. 6 | 12.84 | 11 | 12.35 | 11 | 10.80 | 9 | 10.35 |
| 13 | 12.94 | 18 | 12.25 | 18 | 10.45 | 16 | 10.48 |
| 20 | 13.23 | 25 | 11.88 | 25 | 10.45 | 23 | 10.45 |
| 27 | 12.92 | 31 | 11.77 | Apr. 1 | 10.30 | 30 | 10.47 |
| Oct. 4 | 12.92 | Jan. 8, 1965 | 11.35 | 8 | 10.34 | July 7 | 11.00 |
| 11 | 12.92 | 15 | 11.34 | 15 | 10.38 | 14 | 11.00 |
| 18 | 13.08 | 22 | 11.40 | 22 | 10.55 | 21 | 10.75 |
| 25 | 13.12 | 29 | 11.39 | 29 | 10.35 | 28 | 10.85 |
| Nov. 1 | 13.17 | Feb. 5 | 11.40 | May 6 | 10.15 | Aug. 4 | 10.90 |
| 8 | 13.18 | 12 | 11.35 | 13 | 10.10 | 11 | 11.30 |
| 15 | 13.09 | 19 | 11.28 | 20 | 10.10 | 18 | 11.40 |
| 22 | 12.94 | 26 | 11.27 | 27 | 10.11 | 25 | 11.70 |
| 29 | 12.81 | Mar. 4 | 10.90 | June 3 | 10.39 | Sept. 1 | 11.45 |
| Dec. 6 | 12.81 | 12 | 11.10 | 10 | 10.55 | 8 | 11.42 |
| 13 | 12.51 | 19 | 11.12 | 17 | 10.65 | 15 | 11.60 |
| 20 | 12.40 | 26 | 11.08 | 24 | 10.80 | 22 | 11.65 |
| 27 | 12.35 | Apr. 2 | 10.90 | July 1 | 11.10 | 29 | 11.10 |
| Jan. 3, 1964 | 12.22 | 9 | 10.49 | 8 | 11.25 | Oct. 6 | 11.10 |
| 10 | 12.23 | 16 | 10.41 | 15 | 11.42 | 13 | 11.10 |
| 17 | 12.08 | 23 | 10.30 | 22 | 12.45 | 20 | 10.90 |
| 21 | 12.02 | 30 | 10.42 | 29 | 11.65 | 27 | 10.60 |
| 31 | 11.82 | May 7 | 10.49 | Aug. 5 | 11.70 | Nov. 3 | 10.65 |
| Feb. 7 | 11.76 | 14 | 10.47 | 12 | 11.90 | 10 | 10.75 |
| 14 | 11.78 | 21 | 10.75 | 19 | 11.75 | 17 | 10.76 |
| 21 | 11.98 | 28 | 10.90 | 26 | 12.00 | 24 | 10.40 |
| 28 | 12.02 | June 4 | 11.00 | Sept. 2 | 11.95 | Dec. 1 | 10.60 |
| Mar. 6 | 11.98 | 11 | 10.95 | 9 | 12.00 | 8 | 10.00 |
| 13 | 11.32 | 18 | 11.12 | 16 | 11.80 | 15 | 10.44 |
| 20 | 11.18 | 25 | 11.38 | 23 | 11.75 | 22 | 10.20 |
| 27 | 11.15 | July 2 | 11.45 | 30 | 11.75 | 29 | 10.30 |
| Apr. 3 | 10.48 | | | | | | |

Erie County

415711N0795203.1. Local number Er-1. Mrs. Grace P. Estes. Near Carters Corners. Dug unused water well in sand of Pleistocene age, diam 48 in, depth 18 ft. Lsd 1,440 ft above msl. MP top of platform, 0.65 ft above lsd. Highest water level 6.82 below lsd, Apr. 20, 1952; lowest dry, Sept. 13-28, 1962. Records available: 1931-66. Measurement discontinued November 1966.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|--------|--------|--------|-------|-------|--------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | 14.90 | e12.5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 15.00 |
| 10 | ..... | ..... | e12.00 | ..... | ..... | 16.40 | 14.40 | h14.29 | ..... | ..... | h16.90 | 14.40 |
| 15 | ..... | 16.01 | e12.00 | ..... | h14.85 | 16.40 | 14.40 | ..... | ..... | ..... | 16.60 | ..... |
| 20 | ..... | 16.30 | ..... | ..... | 15.80 | 16.40 | 14.50 | ..... | ..... | ..... | 15.90 | ..... |
| 25 | ..... | ..... | ..... | ..... | 16.20 | ..... | ..... | ..... | ..... | ..... | 15.90 | ..... |
| Eom | e15.0 | ..... | e12.00 | 13.0 | 16.40 | 14.40 | 14.30 | ..... | ..... | ..... | 15.40 | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | ..... | ..... | 12.87 | 10.40 | ..... | 16.11 | ..... | 14.60 | ..... | 14.83 | 14.60 | ..... |
| 10 | ..... | ..... | 9.06 | 9.84 | 12.96 | 16.22 | ..... | 15.04 | ..... | 14.38 | 15.22 | ..... |
| 15 | ..... | 11.82 | 8.92 | 10.50 | 14.14 | ..... | 16.13 | ..... | ..... | 14.22 | 15.55 | ..... |
| 20 | ..... | 12.88 | 9.81 | 11.30 | 14.98 | ..... | 16.12 | ..... | 15.88 | 14.83 | ..... | 10.83 |
| 25 | ..... | 13.62 | 10.28 | 10.69 | 15.65 | ..... | 16.15 | ..... | 15.90 | 15.19 | ..... | 10.72 |
| Eom | ..... | 14.28 | 10.87 | ..... | 15.92 | ..... | 16.09 | ..... | 15.56 | 15.01 | ..... | 10.74 |
| 1965 | | | | | | | | | | | | |
| 5 | 10.41 | ..... | 10.21 | ..... | 12.96 | 15.81 | 16.08 | 16.28 | 16.47 | 16.84 | 16.14 | ..... |
| 10 | ..... | ..... | 10.1 | 10.38 | e12.72 | 15.90 | 16.09 | 16.32 | 16.53 | 16.89 | 15.82 | ..... |
| 15 | ..... | ..... | 10.82 | ..... | 13.04 | 15.77 | 16.07 | 16.37 | 16.59 | 16.93 | 16.47 | ..... |
| 20 | ..... | ..... | 11.49 | ..... | 14.57 | 15.90 | 16.13 | 16.43 | 16.67 | 16.96 | 14.13 | ..... |
| 25 | ..... | 11.79 | 11.78 | 11.29 | 15.76 | 15.93 | 16.18 | 16.48 | 16.74 | 16.79 | 13.60 | ..... |
| Eom | ..... | 11.54 | 12.04 | e12.10 | 16.08 | 15.97 | 16.24 | 16.54 | 16.79 | 16.06 | h11.76 | ..... |
| 1966 | | | | | | | | | | | | |
| 5 | 10.0 | 13.74 | 10.80 | 9.33 | 10.27 | 15.78 | 16.01 | ..... | 15.95 | 15.73 | 15.21 | ..... |
| 10 | 10.0 | 14.20 | 10.80 | 9.92 | 11.56 | 16.00 | 16.02 | ..... | 16.00 | 15.77 | 13.90 | ..... |
| 15 | 11.07 | 9.54 | 9.72 | 10.75 | 11.39 | 16.03 | 16.08 | ..... | 16.04 | 15.81 | 12.28 | ..... |
| 20 | 11.0 | 10.30 | 10.47 | 11.81 | 11.85 | 15.83 | 16.12 | ..... | 16.08 | 15.57 | ..... | ..... |
| 25 | 12.0 | 11.07 | 10.58 | 12.58 | 13.22 | 15.85 | 16.18 | ..... | 15.68 | 15.50 | ..... | ..... |
| Eom | 12.96 | 11.39 | 10.40 | 10.82 | 14.54 | 15.96 | ..... | 15.93 | 15.80 | 15.71 | ..... | ..... |

e Estimated.

h Tape measurement.

415607N0800446.1. Local number Er-82. U.S. Geol. Survey. McLane. Drilled observation artesian well in Riceville Shale, diam 6 in, depth 82 ft, cased to 56. Lsd 1,419 ft above msl. MP top of plywood cover, 3.50 ft above lsd. Highest water level 12.80 below lsd, Dec. 12, 1967; lowest 18.41 below lsd, Sept. 20, 1966. Records available: 1966-67.

| Lowest water level for the day, from recorder graph, 1966 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.12 | 17.40 | ..... | ..... |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.25 | 17.24 | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.32 | 17.18 | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.41 | 17.00 | ..... | 14.10 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18.08 | ..... | ..... | 14.26 |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 17.65 | ..... | ..... | 14.39 |
| 1967 | | | | | | | | | | | | |
| 5 | 14.55 | e13.9 | ..... | 13.95 | 13.75 | 14.41 | 15.44 | 14.29 | 14.44 | ..... | 13.68 | 13.16 |
| 10 | 14.54 | 13.99 | ..... | 13.46 | 13.58 | 14.65 | 15.57 | 14.25 | 14.54 | ..... | 13.55 | 12.80 |
| 15 | 14.52 | e14.1 | ..... | 13.53 | 13.17 | 14.90 | 14.85 | 14.50 | 14.69 | ..... | 12.90 | 12.98 |
| 20 | 14.58 | ..... | 14.02 | 13.44 | 13.38 | 15.14 | 14.77 | 14.49 | 14.91 | 14.26 | 13.01 | 13.13 |
| 25 | 14.33 | ..... | 14.05 | 13.40 | 13.79 | 15.19 | 14.61 | 14.18 | 14.92 | 13.86 | 12.95 | 12.98 |
| Eom | e14.0 | ..... | 13.95 | 13.60 | 14.13 | 15.25 | 14.38 | 14.27 | ..... | 13.76 | 12.92 | 13.22 |
| e Estimated | | | | | | | | | | | | |

e Estimated.

Franklin County

395958N0773933.1. Local number Fr-2. U.S. Army Letterkenny Ordnance Depot. Chambersburg. Drilled unused artesian well in Stones River Limestone, diam 8 to 6 in, depth 441 ft, cased to 60. Lsd 694 ft above msl. MP top of casing, 2.49 ft above lsd. Highest water level 10.26 below lsd, May 12, 1958; lowest 59.80 below lsd, Nov. 12, 1959. Records available: 1950-67.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | ..... | ..... | ..... | ..... | 42.90 | 43.70 | 47.65 | 48.82 | 48.90 | 49.05 | 40.60 |
| 10 | 39.65 | ..... | ..... | ..... | 47.38 | 46.52 | 46.90 | 48.85 | 48.91 | 49.01 | 54.05 | 35.60 |
| 15 | 27.65 | ..... | ..... | ..... | 48.15 | 47.28 | 48.02 | 49.90 | 49.00 | 49.02 | 47.90 | 45.69 |
| 20 | ..... | ..... | ..... | ..... | 34.90 | 47.65 | 48.71 | 47.00 | 49.09 | 49.00 | 48.75 | 48.00 |
| 25 | ..... | ..... | ..... | ..... | 45.85 | 47.90 | 48.82 | 48.85 | 49.13 | 49.00 | 48.52 | 48.12 |
| Eom | ..... | ..... | ..... | ..... | 47.60 | 34.30 | 48.75 | 48.85 | 46.00 | 49.05 | 32.50 | 48.40 |
| 1964 | | | | | | | | | | | | |
| 5 | 40.65 | ..... | ..... | ..... | ..... | 47.97 | 48.70 | ..... | 48.98 | 46.50 | h48.97 | ..... |
| 10 | 29.05 | ..... | ..... | ..... | ..... | 26.21 | 48.35 | 48.20 | 49.00 | 48.25 | ..... | ..... |
| 15 | ..... | ..... | ..... | ..... | ..... | 47.60 | 46.00 | 48.77 | 49.02 | ..... | ..... | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | 45.95 | 47.95 | 48.75 | 48.95 | ..... | ..... | ..... |
| 25 | 27.60 | 39.00 | ..... | ..... | ..... | 47.25 | 48.65 | 48.83 | 49.00 | ..... | ..... | ..... |
| Eom | ..... | 41.40 | ..... | 16.15 | 46.89 | 48.20 | ..... | 49.00 | ..... | ..... | ..... | 30.60 |

395958N0773933.1--Continued.

| 1965 | | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 32.90 | 44.85 | 34.40 | e25.0 | ..... | ..... | e49.5 | ..... | ..... | ..... | 48.65 | 49.18 |
| 10 | 31.15 | 29.00 | 19.90 | ..... | ..... | ..... | e49.5 | ..... | ..... | ..... | 48.65 | 49.25 |
| 15 | 35.45 | 25.70 | 22.95 | ..... | ..... | ..... | e49.6 | ..... | ..... | ..... | 49.27 | 49.20 |
| 20 | e37.3 | 29.80 | 25.25 | ..... | ..... | e49.5 | ..... | h49.87 | h46.94 | ..... | ..... | 49.21 |
| 25 | 30.65 | 36.15 | 26.60 | ..... | ..... | e49.5 | ..... | ..... | ..... | ..... | ..... | 49.22 |
| Eom | 33.10 | 30.20 | 23.05 | ..... | ..... | e49.5 | ..... | ..... | ..... | 49.00 | 48.62 | 49.25 |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.78 | ..... |
| 10 | ..... | ..... | 23.60 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.60 | ..... |
| 15 | ..... | ..... | 28.40 | ..... | ..... | ..... | ..... | ..... | ..... | 47.51 | 48.76 | ..... |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 46.60 | ..... | ..... |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.23 | ..... | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 48.68 | ..... | ..... |
| 1967 | | | | | | | | | | | | |
| 5 | 40.80 | 31.10 | 46.00 | 26.50 | 34.20 | 42.00 | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | 33.35 | 38.45 | 17.90 | 30.15 | 26.40 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | 36.35 | 38.68 | 19.45 | 36.15 | 24.06 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 44.10 | 41.40 | 20.55 | 36.85 | 24.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 45.76 | 45.30 | ..... | 39.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | 28.60 | 45.85 | 22.70 | 32.50 | ..... | ..... | ..... | 46.65 | ..... | 45.18 | ..... | ..... |

e Estimated.

h Tape measurement.

Fulton County

400255N0780908.1. Local number Fu-1. Commonwealth of Pennsylvania. Buchanan State Forest. Drilled unused water-table well in shale and sandstone of Mauch Chunk Formation, diam 6 in, depth 108 ft. Lsd 1,150 ft (previously reported 1,160 ft) above msl. MP top of casing, 0.86 ft above lsd. Highest water level 1.60 below lsd, May 7, 1958; lowest 7.80 below lsd, Oct. 1, 1964. Records available: 1951-65. Measurement discontinued Ju'y 15, 1965.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 5.32 | 4.80 | 4.25 | 3.35 | 4.00 | 4.02 | 3.75 | 5.47 | 6.15 | 6.60 | 6.60 | 5.40 |
| 10 | 5.35 | 4.87 | 2.55 | 3.75 | 4.19 | 4.30 | 4.65 | 5.60 | 6.23 | 6.57 | 6.21 | 4.70 |
| 15 | 3.28 | 5.14 | 2.10 | 4.09 | 4.43 | 4.17 | 4.82 | 5.76 | 6.42 | 6.56 | 6.36 | 5.08 |
| 20 | 3.78 | 4.92 | 1.90 | 3.65 | 4.40 | 4.61 | 4.99 | 5.86 | 6.60 | ..... | 6.44 | 5.24 |
| 25 | 4.30 | 5.07 | 2.52 | 3.59 | 4.51 | 4.94 | 5.20 | 5.95 | 6.63 | 6.58 | 6.50 | ..... |
| Eom | 4.62 | 5.10 | 3.05 | 3.77 | 4.60 | 5.04 | 5.39 | 6.06 | 6.57 | 6.60 | 4.95 | ..... |
| 1964 | | | | | | | | | | | | |
| 5 | .... | 3.72 | 2.37 | 3.42 | 2.75 | .... | 5.85 | 5.88 | 7.05 | 7.01 | 6.89 | 6.19 |
| 10 | 3.77 | 3.55 | 1.98 | 3.17 | 3.54 | 5.17 | 5.88 | 6.11 | 7.20 | 7.04 | 6.86 | 6.23 |
| 15 | 4.16 | 3.91 | 2.29 | 3.60 | 3.95 | 5.33 | 5.30 | .... | 7.35 | 7.02 | 6.94 | 5.87 |
| 20 | 4.40 | 4.12 | 2.91 | 3.65 | 4.35 | 5.12 | 5.68 | 6.40 | .... | .... | 6.90 | 6.04 |
| 25 | 3.18 | 4.31 | 3.26 | 2.60 | 4.65 | 5.41 | 5.90 | 6.55 | .... | .... | 6.85 | 6.02 |
| Eom | 3.36 | 4.43 | 3.81 | 1.87 | 5.00 | 5.67 | 6.10 | 6.80 | 6.97 | 6.92 | 6.35 | 5.54 |
| 1965 | | | | | | | | | | | | |
| 5 | 5.02 | 5.03 | 3.75 | 3.00 | 4.12 | 4.90 | ..... | ..... | ..... | ..... | ..... | ..... |
| 10 | 4.45 | 3.37 | 2.50 | 3.50 | 4.19 | 5.07 | ..... | ..... | ..... | ..... | ..... | ..... |
| 15 | 4.90 | 3.50 | 3.03 | 3.75 | 4.49 | 5.25 | ..... | ..... | ..... | ..... | ..... | ..... |
| 20 | 5.15 | 3.95 | 2.85 | 3.70 | 4.69 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| 25 | 4.05 | 4.24 | 2.75 | 3.85 | 4.09 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eom | 4.52 | 3.75 | 2.32 | 3.76 | 4.52 | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

400255N0780908.2. Local number Fu-93. Commonwealth of Pennsylvania. Buchanan State Forest. Drilled unsealing artesian well in Pocono Group, diam 6 in, depth 194 ft, cased to 45. Lsd 1,150 ft above msl. MP top of casing, 2.0 ft above lsd. Highest water level 1.15 above lsd, Dec. 13, 1967; lowest 4.46 below lsd, Sept. 12, 1966. Records available: 1965-67. Recording gage installed July 1965.

Lowest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | ..... | ..... | -3.14 | -3.61 | ..... | ..... | -2.99 | -2.80 |
| 10 | ..... | ..... | ..... | ..... | ..... | ..... | 3.16 | 3.73 | -2.76 | 2.94 | 3.49 | 3.00 |
| 15 | ..... | ..... | ..... | ..... | ..... | ..... | 3.21 | 3.40 | 2.87 | 2.93 | 2.93 | 2.92 |
| 20 | ..... | ..... | ..... | ..... | ..... | ..... | 3.42 | 3.53 | 2.93 | 2.93 | 2.94 | 3.06 |
| 25 | ..... | ..... | ..... | ..... | ..... | ..... | -2.99 | ..... | 2.85 | 2.95 | 3.08 | ..... |
| Eom | ..... | ..... | ..... | ..... | ..... | ..... | 3.18 | 3.47 | ..... | 2.92 | 2.80 | 3.05 |
| 1966 | | | | | | | | | | | | |
| 5 | -2.69 | -2.96 | +0.54 | -1.37 | +0.20 | -1.35 | -2.55 | -3.51 | -4.20 | -3.40 | -3.60 | -2.63 |
| 10 | 2.25 | 2.82 | -.16 | 1.49 | -.39 | 1.54 | 2.67 | 3.63 | 4.35 | 3.45 | 3.49 | 2.46 |
| 15 | 2.40 | .02 | .39 | .80 | .57 | 1.80 | 2.86 | 3.70 | 4.08 | 3.60 | 3.46 | 2.19 |
| 20 | 2.65 | +.05 | .76 | .70 | .55 | 2.15 | 3.03 | 3.80 | 4.02 | 3.52 | 3.48 | 2.17 |
| 25 | 2.73 | -.38 | 1.01 | .62 | .62 | 2.31 | 3.20 | 3.85 | 3.61 | 3.55 | 3.46 | 2.47 |
| Eom | 2.77 | -.77 | 1.19 | +.32 | 1.08 | 2.34 | 3.41 | 4.07 | 3.70 | 3.58 | 2.65 | 2.64 |

400255N0780908.2--Continued.

| 1967 | | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. |
| 5 | -2.68 | -0.91 | -1.46 | +0.01 | -0.02 | -0.58 | -1.62 | +0.26 | -1.18 | -0.70 | +0.01 |
| 10 | 2.56 | 1.14 | +7.9 | .44 | +.85 | .95 | 1.15 | +1.0 | 1.58 | .82 | -.27 |
| 15 | 2.41 | 1.25 | .78 | .01 | .98 | 1.32 | 1.23 | -.61 | 1.80 | 1.00 | .52 |
| 20 | .... | 1.05 | .49 | .15 | +.49 | e1.57 | 1.10 | 1.09 | 2.00 | .43 | .82 |
| 25 | 2.13 | 1.50 | .50 | .08 | -0.0 | .84 | 1.10 | 1.21 | .... | -.44 | .41 |
| Eom | 1.08 | 1.45 | -.36 | +.54 | .17 | 1.28 | -.60 | .56 | .33 | +.27 | -.57 |

e Estimated.

Huntingdon County

402108N0780820.1. Local number Hu-1. Mr. H. G. Stauffer. Formerly Mrs. Elizabeth B. Schell. Near Aitch and Markelsburg. Drilled unused water-table well in sandstone of Chemung Formation, diam 6 in, depth 33 ft. Lsd 720 ft above msl. MP top of casing, at lsd. Highest water level 0.00, Mar. 15, 1941; lowest 28.45 below lsd, Nov. 21, 1964. Records available: 1931-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 5, 1963 | 23.45 | Mar. 28, 1964 | 20.81 | June 20, 1965 | 23.95 | Oct. 19, 1966 | 23.97 |
| 12 | 22.00 | Apr. 4 | 20.75 | 27 | 23.70 | 26 | 24.80 |
| 19 | 21.31 | 11 | 18.79 | July 4 | 22.56 | Nov. 2 | 25.34 |
| 26 | 21.88 | 18 | 20.82 | 10 | 23.74 | 9 | 25.78 |
| Feb. 2 | 22.31 | 26 | 19.97 | 18 | 23.80 | 16 | 26.05 |
| 9 | 22.41 | May 2 | 16.90 | 25 | 24.39 | 23 | 26.34 |
| 16 | 22.65 | 9 | 19.28 | Aug. 1 | 24.80 | 30 | 23.78 |
| 23 | 22.41 | 16 | 21.84 | 7 | 25.59 | Dec. 7 | 22.76 |
| Mar. 2 | 22.68 | 23 | 22.06 | 15 | 27.94 | 14 | 22.27 |
| 9 | 19.50 | 30 | 22.09 | 23 | 23.80 | 21 | 22.54 |
| 16 | 18.05 | June 6 | 20.77 | 29 | 24.89 | 28 | 23.20 |
| 23 | 17.95 | 13 | 21.94 | Sept. 5 | 27.00 | Jan. 4, 1937 | 23.77 |
| 31 | 19.93 | 21 | 24.19 | Oct. 20 | 26.57 | 11 | 24.39 |
| Apr. 6 | 20.98 | 27 | 22.10 | 27 | 26.64 | 18 | 24.54 |
| 13 | 21.60 | July 4 | 22.19 | Nov. 3 | 27.12 | 25 | 24.58 |
| 20 | 22.01 | 11 | 23.34 | 10 | 27.31 | Feb. 1 | 21.64 |
| 27 | 22.23 | 18 | 23.83 | 17 | 27.32 | 8 | 21.50 |
| May 4 | 22.35 | 25 | 24.15 | 24 | 27.49 | 15 | 21.64 |
| 11 | 22.50 | Aug. 1 | 24.95 | Dec. 1 | 27.51 | 22 | 21.70 |
| 18 | 22.36 | 8 | 24.13 | 8 | 27.63 | Mar. 1 | 21.75 |
| 25 | 23.51 | 16 | 24.75 | 15 | 27.79 | 8 | 15.60 |
| June 1 | 22.65 | 22 | 25.61 | 22 | 27.94 | 15 | 14.02 |
| 9 | 22.50 | 30 | 26.31 | 29 | 28.06 | 22 | 19.06 |
| 15 | 21.92 | Sept. 5 | 26.70 | Jan. 5, 1966 | 27.64 | 29 | 20.23 |
| 22 | 22.54 | 12 | 27.06 | 13 | 26.29 | Apr. 5 | 21.11 |
| 29 | 22.80 | 19 | 27.38 | 19 | 26.70 | 12 | 21.36 |
| July 6 | 22.49 | 26 | 27.54 | 26 | 27.30 | 19 | 21.29 |
| 13 | 23.49 | Oct. 3 | 27.42 | Feb. 2 | 27.69 | 26 | 21.08 |
| 20 | 23.20 | 10 | 27.64 | 10 | 27.49 | May 3 | 19.20 |
| 27 | 23.05 | 17 | 27.81 | 16 | 19.48 | 10 | 15.04 |
| Aug. 3 | 22.90 | 24 | 27.98 | 25 | 21.04 | 17 | 17.75 |
| 10 | 23.19 | Nov. 1 | 28.12 | Mar. 2 | 19.95 | 24 | 20.40 |
| 17 | 23.73 | 7 | 28.23 | 9 | 20.60 | 31 | 21.45 |
| 24 | 23.35 | 14 | 28.38 | 16 | 21.27 | June 7 | 21.84 |
| 31 | 24.30 | 21 | 28.45 | 23 | 21.56 | 14 | 22.02 |
| Sept. 4 | 24.46 | 28 | 27.80 | 30 | 21.85 | 21 | 22.11 |
| 14 | 24.99 | Dec. 5 | 27.84 | Apr. 6 | 22.09 | 28 | 22.22 |
| 21 | 25.24 | 12 | 27.77 | 13 | 22.17 | July 5 | 22.29 |
| 28 | 25.52 | 26 | 27.36 | 20 | 22.06 | 12 | 22.24 |
| Oct. 5 | 25.62 | 29 | 27.69 | 28 | 20.62 | 19 | 23.31 |
| 12 | 27.71 | Jan. 2, 1965 | 25.41 | May 4 | 19.97 | 26 | 22.06 |
| 19 | 27.90 | 10 | 22.33 | 11 | 21.05 | Aug. 2 | 21.73 |
| 26 | 25.98 | 16 | 22.49 | 19 | 20.67 | 9 | 22.10 |
| Nov. 2 | 26.19 | 23 | 22.51 | 25 | 21.10 | 16 | 22.42 |
| 9 | 25.00 | 30 | 21.37 | June 1 | 21.41 | 23 | 22.74 |
| 16 | 25.58 | Feb. 6 | 19.61 | 8 | 21.54 | 30 | 22.58 |
| 23 | 25.95 | 13 | 20.98 | 15 | 21.70 | Sept. 6 | 22.95 |
| 30 | 21.71 | 20 | 21.30 | 22 | 21.40 | 13 | 23.31 |
| Dec. 7 | 23.78 | 27 | 23.93 | 29 | 22.00 | 20 | 23.91 |
| 14 | 23.98 | Mar. 6 | 16.87 | July 6 | 22.02 | 27 | 24.56 |
| 21 | 23.99 | 13 | 16.98 | 13 | 21.98 | Oct. 4 | 22.59 |
| 29 | 24.31 | 20 | 16.25 | 20 | 22.46 | 11 | 24.16 |
| Jan. 4, 1964 | 23.81 | 28 | 19.93 | 27 | 22.78 | 18 | 24.78 |
| 11 | 20.95 | Apr. 3 | 21.00 | Aug. 3 | 23.19 | 25 | 22.86 |
| 18 | 22.04 | 10 | 21.65 | 10 | 22.95 | Nov. 1 | 21.68 |
| 25 | 17.44 | 17 | 21.92 | 18 | 23.94 | 8 | 21.98 |
| Feb. 2 | 19.93 | May 1 | 22.22 | 24 | 24.17 | 15 | 22.39 |
| 8 | 19.70 | 8 | 24.96 | 31 | 24.56 | 22 | 22.51 |
| 15 | 20.94 | 15 | 22.13 | Sept. 7 | 24.82 | 29 | 21.60 |
| 22 | 21.55 | 22 | 22.04 | 14 | 24.70 | Dec. 6 | 20.89 |
| 29 | 21.63 | 29 | 22.13 | 21 | 24.40 | 13 | 19.19 |
| Mar. 7 | 16.31 | June 5 | 22.28 | Oct. 5 | 22.84 | 20 | 20.51 |
| 14 | 16.61 | 12 | 21.60 | 12 | 23.10 | 27 | 21.44 |
| 21 | 19.41 | 14 | 22.45 | | | | |

Indiana County

403702N0790930.1. Local number In-1. Commonwealth of Pennsylvania. Indiana University of Pennsylvania. Drilled unused artesian well in sandstone and shale of Conemaugh Formation, diam 6 in, depth 198 ft. Lsd 1,305 f' 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. Records available: 1944-47, 1949-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 4, 1963 | 76.53 | Jan. 24, 1964 | 76.41 | Mar. 26, 1965 | 76.18 | Aug. 26, 1966 | 78.15 |
| 11 | 76.20 | 31 | 76.08 | Apr. 9 | 76.06 | Sept. 23 | 78.60 |
| 18 | 75.74 | Feb. 7 | 75.64 | 23 | 76.77 | 30 | 78.58 |
| 25 | 76.35 | 14 | 75.89 | 30 | 76.96 | Oct. 14 | 78.46 |
| Feb. 1 | 76.15 | 21 | 76.18 | May 7 | 77.23 | 28 | 78.85 |
| 8 | 75.98 | 28 | 76.08 | 14 | 77.45 | Dec. 7 | 76.95 |
| 15 | 75.96 | Mar. 13 | 75.16 | 21 | 77.70 | 16 | 76.46 |
| 22 | 76.05 | 20 | 74.91 | June 4 | 78.13 | 22 | 76.72 |
| Mar. 1 | 76.15 | Apr. 3 | 74.96 | 25 | 78.63 | 30 | 77.00 |
| 8 | 75.55 | 10 | 74.85 | July 2 | 78.60 | Jan. 13, 1967 | 76.80 |
| 15 | 75.30 | 17 | 75.05 | 16 | 78.66 | 20 | 77.05 |
| 22 | 75.06 | 24 | 74.80 | 23 | 78.29 | 27 | 76.63 |
| 29 | 74.95 | May 1 | 74.77 | 30 | 78.79 | Feb. 3 | 76.88 |
| Apr. 26 | 75.58 | 8 | 74.71 | Aug. 6 | 78.73 | 10 | 75.98 |
| May 3 | 75.68 | 15 | 75.21 | 13 | 78.77 | 17 | 76.38 |
| 10 | 75.71 | 22 | 75.48 | 20 | 79.08 | 24 | 76.17 |
| 17 | 76.10 | June 5 | 75.23 | 27 | 78.94 | Mar. 3 | 76.22 |
| 24 | 76.40 | 12 | 75.48 | Sept. 10 | 78.53 | 10 | 75.67 |
| 31 | 76.56 | 19 | 75.98 | 17 | 79.63 | 23 | 75.15 |
| June 7 | 76.60 | 26 | 76.54 | Oct. 1 | 78.44 | Apr. 10 | 75.39 |
| 14 | 76.42 | July 3 | 76.81 | 8 | 78.01 | 21 | 75.65 |
| 21 | 76.80 | 10 | 77.55 | 18 | 78.07 | 28 | 75.69 |
| 29 | 76.78 | 17 | 77.75 | 22 | 77.66 | May 5 | 75.63 |
| July 5 | 76.75 | 24 | 77.87 | Nov. 5 | 77.92 | 12 | 75.48 |
| 12 | 77.04 | 31 | 77.98 | 19 | 77.36 | 19 | 75.07 |
| 19 | 77.24 | Aug. 7 | 77.80 | Dec. 10 | 77.26 | 26 | 75.48 |
| 26 | 77.04 | 14 | 78.10 | 17 | 77.05 | June 5 | 76.12 |
| Aug. 2 | 76.50 | 21 | 79.58 | Jan. 7, 1966 | 76.22 | 9 | 76.27 |
| 8 | 76.53 | 28 | 79.18 | 14 | 76.24 | 16 | 76.45 |
| 16 | 77.05 | Sept. 4 | 79.38 | Feb. 4 | 76.33 | 30 | 77.63 |
| 23 | 76.96 | 11 | 79.52 | 18 | 75.05 | July 10 | 77.57 |
| 30 | 77.25 | 17 | 79.76 | 25 | 74.72 | 14 | 77.73 |
| Sept. 13 | 77.89 | 25 | 80.28 | Mar. 4 | 75.22 | 21 | 76.06 |
| 20 | 77.95 | Oct. 2 | 80.31 | 11 | 76.12 | 31 | 77.40 |
| 27 | 78.08 | 9 | 80.36 | 20 | 76.03 | Aug. 11 | 77.28 |
| Oct. 4 | 78.50 | 16 | 80.52 | Apr. 1 | 76.10 | 17 | 77.38 |
| 11 | 78.55 | 23 | 81.01 | 22 | 76.70 | 25 | 77.66 |
| 18 | 78.85 | 30 | 80.76 | 29 | 76.00 | Sept. 8 | 77.39 |
| 25 | 78.97 | Nov. 7 | 80.54 | May 6 | 75.41 | 22 | 77.98 |
| Nov. 1 | 78.93 | 14 | 80.58 | 20 | 75.65 | Oct. 6 | 77.33 |
| 8 | 79.02 | 21 | 80.60 | June 3 | 76.27 | 13 | 77.37 |
| 15 | 78.95 | 27 | 80.54 | 10 | 76.43 | 20 | 77.59 |
| 22 | 78.86 | Dec. 4 | 80.62 | 17 | 76.81 | 27 | 76.77 |
| 29 | 78.36 | 11 | 79.83 | 24 | 77.12 | Nov. 3 | 77.01 |
| Dec. 6 | 77.93 | 17 | 78.96 | July 1 | 77.37 | 10 | 77.22 |
| 13 | 77.43 | 24 | 78.44 | 15 | 77.77 | 20 | 77.01 |
| 20 | 77.43 | 30 | 78.40 | 25 | 78.07 | Dec. 4 | 76.62 |
| Jan. 3, 1964 | 77.41 | Jan. 8, 1965 | 77.03 | Aug. 1 | 78.12 | 8 | 76.18 |
| 10 | 76.80 | 29 | 76.73 | 8 | 78.37 | 18 | 76.15 |
| 17 | 76.50 | Mar. 12 | 76.53 | 15 | 78.34 | 29 | 76.48 |
| | | | | 19 | 78.23 | | |

Lackawanna County

411310N0759755.1. Local number Lk-4. Commonwealth of Pennsylvania. Lackawanna State Forest. Dug unused water-table well in shale and sandstone of Catskill Formation of Devonian age, diam 36 in, depth 10 ft. Lsd 1,190 ft above msl. MP wooden cover, 0.40 ft above lsd. Highest water level 1.63 below lsd, Mar. 26, 1963; lowest dry, October and November, 1964. Records available: 1953-67.

| | | | | | | | |
|---------------|-------|----------------|-------|--------------|-------|---------------|------|
| Jan. 10, 1963 | 3.72 | Sept. 26, 1963 | 5.00 | May 29, 1964 | 4.25 | Dec. 11, 1964 | 4.60 |
| 19 | 3.68 | Oct. 10 | 5.58 | June 4 | 4.68 | 19 | 4.25 |
| 30 | 3.70 | 17 | 6.15 | 8 | 4.27 | Jan. 15, 1965 | 4.78 |
| Feb. 20 | 3.72 | 29 | 6.22 | 20 | 4.08 | 27 | 4.56 |
| Mar. 14 | 3.73 | Nov. 13 | 6.44 | 23 | h5.30 | Feb. 5 | 2.75 |
| 21 | 3.72 | 26 | 5.58 | 29 | 4.51 | 18 | 2.78 |
| 26 | h1.63 | Dec. 6 | 5.54 | July 7 | 5.50 | Mar. 2 | 2.75 |
| 29 | 4.39 | 23 | 5.52 | 20 | 5.91 | 16 | 2.76 |
| Apr. 18 | 4.47 | Jan. 6, 1964 | 5.54 | 29 | 6.69 | 21 | 2.75 |
| 27 | 4.52 | Feb. 4 | 3.80 | Aug. 10 | 7.58 | 29 | 2.72 |
| May 14 | 4.48 | 25 | 4.14 | 25 | 7.76 | Apr. 6 | 3.76 |
| 27 | 4.54 | Mar. 9 | 4.03 | Sept. 3 | 7.80 | 15 | 3.75 |
| June 11 | 5.40 | 21 | 3.66 | 16 | 8.14 | 23 | 3.76 |
| 22 | 5.52 | 24 | h3.40 | 26 | 8.76 | May 4 | 3.63 |
| July 8 | 4.39 | 30 | 3.66 | Oct. 3 | (f) | 17 | 3.65 |
| Aug. 9 | 4.80 | Apr. 14 | 3.70 | 17 | (f) | 26 | 4.14 |
| 16 | 4.73 | 23 | 3.66 | Nov. 10 | (f) | June 3 | 3.52 |
| Sept. 3 | 5.11 | May 1 | 3.58 | 24 | (f) | 12 | 3.71 |
| 13 | 4.96 | 17 | 4.20 | Dec. 4 | 8.15 | 23 | 3.72 |

411310N0753755.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| July 14, 1965 | 5.48 | Apr. 29, 1966 | 3.44 | Feb. 3, 1967 | 3.61 | July 14, 1967 | 3.77 |
| 26 | 5.66 | May 10 | 3.42 | 10 | 3.76 | 21 | 3.79 |
| Aug. 12 | 6.95 | 20 | 3.43 | 17 | 3.64 | 28 | 4.18 |
| 23 | 7.08 | June 1 | 3.43 | 24 | 3.86 | Aug. 4 | 3.10 |
| 30 | 7.02 | 15 | 4.44 | Mar. 3 | 3.86 | 11 | 3.58 |
| Sept. 9 | 7.04 | 24 | 4.08 | 10 | 3.51 | 28 | 3.17 |
| 17 | 7.10 | Sept. 21 | 6.76 | 17 | 3.27 | Sept. 1 | 3.55 |
| 25 | 5.14 | Oct. 2 | 3.98 | 25 | 3.65 | 10 | 3.51 |
| Oct. 11 | 3.40 | 16 | 4.14 | 31 | 3.15 | 22 | 3.55 |
| 21 | 3.80 | 21 | 3.85 | Apr. 8 | 3.61 | 30 | 3.76 |
| Nov. 6 | 3.76 | 28 | 3.84 | 14 | 3.76 | Oct. 6 | 3.84 |
| 20 | 3.74 | Nov. 7 | 3.59 | 21 | 3.70 | 13 | 3.66 |
| Dec. 15 | 3.68 | 14 | 3.54 | 29 | 3.39 | 20 | 3.43 |
| 23 | 3.68 | 22 | 3.75 | May 5 | 3.46 | 27 | 3.27 |
| Jan. 5, 1966 | 3.78 | 27 | 3.65 | 12 | 3.09 | Nov. 5 | 3.21 |
| 17 | 3.66 | Dec. 10 | 3.72 | 19 | 3.61 | 10 | 3.53 |
| 28 | 3.67 | 17 | 3.72 | 26 | 3.78 | 17 | 3.57 |
| Feb. 10 | 3.67 | 23 | 3.77 | June 2 | 3.75 | 24 | 3.28 |
| 23 | 3.70 | 29 | 3.68 | 9 | 3.98 | Dec. 1 | 3.54 |
| Mar. 12 | 3.68 | Jan. 5, 1967 | 3.76 | 16 | 4.17 | 8 | 3.25 |
| 22 | 3.68 | 13 | 3.74 | 23 | 3.42 | 15 | 3.33 |
| 30 | 2.70 | 20 | 3.87 | 30 | 3.73 | 26 | 3.65 |
| Apr. 11 | 4.02 | 27 | 3.14 | July 7 | 3.76 | 29 | 3.65 |
| 20 | 3.40 | | | | | | |

f Dry.

h Tape measurement made by U.S. Geological Survey.

Lancaster County

400947N0763309.1. Local number Ln-242. Paul Wolgemuth. RD #3, Elizabethtown. Drilled unused artesian well in sandstone of New Oxford Formation, diam 6 in, depth 300 ft, cased to 39. Lad 565 ft above msl. M*P top of casing, 1.00 ft above lad. Highest water level 5.65 below lsd, Apr. 18, 1964; lowest 16.70 below lsd, Nov. 21-24, 1964. Records available: 1963-67. Water levels affected by nearby pumping since October 1967.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | | | | 13.06 | ..... | 15.36 | 16.11 | 14.61 |
| 10 | | | | | | | | 13.29 | ..... | 15.51 | 15.60 | 14.43 |
| 15 | | | | | | | | 13.55 | 14.97 | 15.69 | 15.33 | ..... |
| 20 | | | | | | | | 13.88 | 15.04 | 15.84 | 15.40 | ..... |
| 25 | | | | | | | | | 15.24 | 15.96 | ..... | ..... |
| Eom | | | | | | | 12.87 | ..... | 15.35 | 16.07 | ..... | ..... |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | 10.63 | ..... | ..... | 9.87 | ..... | 12.91 | 14.60 | 16.04 | 16.59 | 16.45 |
| 10 | ..... | ..... | 6.59 | ..... | ..... | 9.98 | 11.95 | 13.12 | 14.90 | 16.14 | 16.62 | 16.26 |
| 15 | ..... | ..... | 7.41 | ..... | ..... | 10.30 | 12.08 | 13.33 | 15.24 | 16.25 | 16.66 | 15.92 |
| 20 | 12.64 | 10.17 | 7.15 | ..... | ..... | 10.73 | 12.30 | ..... | 15.54 | 16.36 | 16.67 | 15.87 |
| 25 | ..... | 10.61 | 7.28 | ..... | 8.54 | ..... | 12.52 | ..... | 15.80 | 16.45 | 16.69 | 15.89 |
| Eom | ..... | 10.81 | ..... | ..... | 9.40 | ..... | 12.77 | ..... | 15.94 | 16.55 | 16.48 | 15.32 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 15.18 | 14.56 | 11.84 | 9.70 | 10.63 | 11.16 | 12.56 | 13.73 | 14.59 | 15.41 | 15.30 | 15.03 |
| 10 | 15.07 | 12.05 | 9.46 | 9.80 | 10.66 | 11.34 | 12.75 | 13.82 | 14.80 | 15.11 | 15.29 | 15.08 |
| 15 | 14.76 | 11.46 | 9.98 | 10.03 | 10.75 | 11.61 | 12.84 | 13.97 | 14.91 | 15.02 | 15.29 | 15.19 |
| 20 | 14.62 | 11.62 | 10.46 | 10.32 | 10.88 | 11.72 | 13.09 | 14.19 | 15.02 | 15.07 | 15.25 | 15.32 |
| 25 | 14.63 | 11.97 | 10.53 | 10.46 | 11.00 | 12.05 | 13.24 | 14.26 | 15.18 | 15.18 | 15.18 | 15.44 |
| Eom | 14.49 | 11.85 | 10.04 | 10.49 | 11.09 | 12.32 | 13.58 | 14.37 | 15.22 | 15.22 | 15.08 | 15.44 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 15.42 | 15.39 | 10.02 | 11.31 | 8.15 | 10.70 | 12.56 | 14.41 | 16.11 | 15.91 | 16.41 | 15.48 |
| 10 | ..... | 15.48 | 10.09 | 11.54 | 8.82 | 10.92 | 12.94 | 14.66 | 16.41 | 16.05 | 16.34 | 15.47 |
| 15 | ..... | 13.72 | 10.46 | 11.66 | 9.32 | 11.21 | 13.26 | 14.86 | 16.55 | 16.24 | 16.10 | 15.49 |
| 20 | 14.95 | 11.74 | 10.89 | 11.87 | 9.67 | 11.56 | 13.63 | 15.06 | 16.52 | 16.30 | 16.00 | 15.41 |
| 25 | 15.12 | 12.02 | 11.12 | 11.48 | 9.99 | 11.94 | ..... | 15.35 | 16.20 | 16.34 | 16.00 | 15.36 |
| Eom | 15.23 | 12.22 | 11.11 | 10.24 | 10.38 | 12.24 | 14.22 | 15.77 | 16.19 | 16.43 | 15.78 | 15.24 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|------|------|--------|--------|-------|-------|--------|--------|--------|
| 5 | 14.94 | 13.69 | 13.81 | 8.84 | 8.53 | 8.99 | 8.99 | 9.68 | 9.70 | e11.36 | 12.48 | 13.45 |
| 10 | 14.78 | 13.74 | 8.12 | 9.10 | 5.80 | 9.38 | 9.38 | 10.17 | 9.40 | ..... | 12.57 | 13.71 |
| 15 | 14.34 | 13.81 | 7.98 | 9.37 | 5.78 | 9.98 | 10.47 | 10.18 | ..... | 12.72 | 12.62 | ..... |
| 20 | 14.36 | 13.85 | 8.88 | 9.69 | 6.29 | 9.78 | 10.81 | 10.62 | ..... | 12.68 | h12.89 | h12.10 |
| 25 | 14.32 | 13.78 | 9.15 | 9.89 | 7.10 | e10.26 | e10.26 | 10.99 | 10.97 | h12.12 | 13.78 | ..... |
| Eom | 13.77 | 13.77 | 8.89 | 8.74 | 8.22 | 10.46 | 10.46 | 11.17 | 11.02 | ..... | 13.98 | ..... |

e Estimated.

h Tape measurement.

Lebanon County

402023N0752609.1. Local number Lb-377 (previously reported Le-377). Levitz Frozen Foods. Lebanon. Drilled unused artesian well in limestone of Ontonagon Formation of Ordovician age, diam 8 in, depth 204 ft, cased to 30. Lsd 460 ft above msl. MP top of casing, 4.10 ft above lsd. Highest water level 4.79 below lsd, Feb. 25, 1965; lowest 11.85 below lsd, Nov. 23, 1966. Records available: 1962-67.

402023N0752609.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 11, 1963 | 5.19 | Apr. 21, 1964 | 5.88 | Aug. 25, 1965 | 8.96 | Nov. 23, 1966 | 11.85 |
| Feb. 7 | 7.42 | June 24 | 8.49 | Sept. 24 | 9.48 | Dec. 20 | 9.92 |
| 28 | 8.26 | July 23 | 9.08 | Oct. 21 | 8.69 | Jan. 24, 1967 | 9.27 |
| Mar. 27 | 6.21 | Aug. 25 | 10.04 | Nov. 23 | 9.66 | Feb. 23 | 8.95 |
| Apr. 24 | 7.81 | Sept. 22 | 10.69 | Dec. 21 | 10.05 | Mar. 22 | 6.34 |
| May 24 | 8.79 | Oct. 22 | 9.32 | Jan. 20, 1966 | 8.94 | Apr. 21 | 7.57 |
| June 25 | 9.14 | Nov. 24 | 11.29 | Feb. 23 | 6.21 | May 22 | 6.76 |
| July 25 | 10.14 | Dec. 22 | 9.30 | Mar. 23 | 7.88 | June 26 | 8.24 |
| Aug. 21 | 9.66 | Jan. 21, 1965 | 7.47 | Apr. 20 | 8.13 | July 26 | 7.46 |
| Sept. 20 | 9.51 | Feb. 25 | 4.79 | May 25 | 8.34 | Aug. 26 | 7.52 |
| Oct. 25 | 10.32 | Mar. 24 | 6.66 | June 23 | 9.72 | Sept. 26 | 8.49 |
| Dec. 20 | 9.42 | Apr. 27 | 7.54 | July 27 | 10.95 | Oct. 26 | 6.30 |
| Jan. 21, 1964 | 5.75 | May 26 | 8.60 | Aug. 24 | 11.64 | Nov. 22 | 8.20 |
| Feb. 27 | 7.43 | June 23 | 8.88 | Sept. 22 | 9.95 | Dec. 20 | 6.99 |
| Mar. 25 | 5.86 | July 26 | 9.76 | Oct. 21 | 10.41 | | |

Lehigh County

403212N0752342.1. Local number Le-302. Alex Fudali. RD #4, Bethlehem. Drilled used artesian domestic 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 dry, many times 1965 and 1966. Records available: 1953-66. Measurement discontinued.

| | | | | | | | |
|---------------|--------|---------------|--------|----------------|--------|---------------|--------|
| Jan. 10, 1963 | 91.47 | Nov. 21, 1963 | 103.29 | Sept. 21, 1964 | 103.06 | July 26, 1965 | 115.00 |
| Feb. 6 | 96.81 | Dec. 18 | 103.26 | Oct. 21 | 103.95 | Aug. 26 | (f) |
| 27 | 97.23 | Jan. 20, 1964 | 104.00 | Nov. 23 | 105.43 | Sept. 23 | (f) |
| Mar. 26 | 95.29 | Feb. 24 | 104.03 | Dec. 21 | 106.39 | Oct. 20 | (f) |
| Apr. 24 | 94.51 | Mar. 24 | 104.13 | Jan. 20, 1965 | 107.57 | Nov. 22 | (f) |
| May 23 | 95.35 | Apr. 20 | 103.34 | Feb. 24 | 107.85 | Dec. 20 | (f) |
| June 24 | 103.28 | May 21 | 101.32 | Mar. 23 | 108.17 | Jan. 19, 1966 | (f) |
| July 24 | 97.85 | June 8 | 100.94 | Apr. 26 | 107.98 | Feb. 22 | (f) |
| Aug. 20 | 98.77 | 23 | 100.16 | May 24 | 108.44 | Mar. 22 | (f) |
| Sept. 19 | 100.06 | July 22 | 100.39 | June 23 | 109.46 | Apr. 27 | (f) |
| Oct. 24 | 101.88 | Aug. 24 | 102.47 | | | | |

f Dry.

Luzerne County

411800N0761625.1. Local number Lu-243. Commonwealth of Pennsylvania. Ricketts Glen State Park. Fairmount Township. Drilled unused water-table well in shale and sandstone of Catskill Formation of Devonian age, diam 6 in, depth 160 ft (previously reported 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, 1955-67.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 54.20 | 53.74 | 54.63 | 51.16 | 53.69 | 53.00 | 54.52 | 55.61 | 56.09 | 56.88 | ..... | 55.33 |
| 10 | 54.36 | 53.81 | 54.18 | 52.12 | 53.41 | 53.62 | 54.70 | 55.89 | 56.25 | 56.83 | ..... | 55.10 |
| 15 | 53.71 | 54.00 | 53.61 | 53.03 | 52.64 | 54.05 | 54.85 | 55.97 | 56.58 | 56.99 | ..... | 54.60 |
| 20 | 53.00 | 54.13 | 52.20 | 53.53 | 51.62 | 54.42 | 55.08 | 55.90 | 56.52 | 57.15 | ..... | 54.51 |
| 25 | 53.24 | 54.33 | 51.26 | 53.91 | 51.82 | 54.82 | 55.38 | 56.46 | 56.63 | ..... | 56.68 | 54.71 |
| Eom | 53.58 | 54.51 | 50.09 | 54.06 | 52.44 | 54.51 | 55.45 | 56.34 | 56.63 | 57.20 | ..... | 55.24 |

1964

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 55.31 | 51.82 | 53.66 | 52.05 | 49.74 | ..... | 55.62 | 56.21 | 56.96 | 57.20 | 57.57 | 57.29 |
| 10 | 55.05 | 52.50 | 50.96 | 51.65 | 51.17 | ..... | 55.57 | 56.38 | 56.83 | 57.51 | 57.62 | 57.19 |
| 15 | 53.03 | 52.73 | 49.74 | 51.36 | 52.00 | ..... | 55.61 | 56.37 | 56.86 | 57.30 | 57.77 | 56.92 |
| 20 | 55.01 | 52.98 | 50.82 | 50.82 | 52.69 | ..... | 56.28 | 56.46 | 57.12 | 57.39 | 57.64 | 56.97 |
| 25 | 52.83 | 53.30 | 51.58 | 50.39 | 53.48 | 55.05 | 56.20 | 56.75 | 57.20 | 57.65 | 57.59 | 56.97 |
| Eom | 51.08 | 53.53 | 51.85 | 50.97 | 54.42 | 55.39 | 56.10 | 56.81 | 57.15 | 57.53 | 57.45 | 55.94 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 56.34 | 56.03 | 53.49 | 52.61 | 52.05 | 54.11 | 55.66 | 55.65 | 56.00 | 51.46 | 51.77 | 52.33 |
| 10 | 55.83 | 54.86 | 53.02 | 52.00 | 51.98 | 54.01 | 55.41 | 55.85 | 55.73 | 51.24 | 52.13 | 52.72 |
| 15 | 56.37 | 52.77 | 53.16 | ..... | 52.22 | 54.66 | 55.66 | 56.37 | 55.60 | 51.39 | 52.33 | 52.78 |
| 20 | 55.61 | 52.90 | 53.40 | 50.66 | 52.88 | 55.05 | 55.91 | 55.92 | 55.89 | 51.92 | 52.20 | 53.87 |
| 25 | 55.56 | 53.30 | 53.42 | 51.26 | 53.60 | 54.94 | 56.30 | 55.43 | 54.20 | 51.03 | 53.07 | e2.9 |
| Eom | 55.85 | 53.40 | 52.96 | 51.74 | 54.26 | 55.11 | 56.33 | 55.53 | 52.90 | 51.29 | 52.48 | e2.9 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 52.8 | ..... | ..... | 52.19 | 51.90 | 52.43 | 57.30 | 55.97 | 55.83 | 53.95 | 54.56 | 52.32 |
| 10 | 52.2 | 54.26 | ..... | 52.52 | 51.93 | 52.74 | 57.51 | 56.13 | 55.43 | 54.46 | 54.31 | 52.56 |
| 15 | 52.4 | 52.28 | ..... | 52.74 | 51.69 | 53.25 | 57.39 | 56.03 | 55.49 | 54.60 | 53.36 | 53.07 |
| 20 | 52.7 | ..... | ..... | 53.16 | 51.10 | 54.20 | 57.63 | 55.45 | 55.78 | 54.48 | 53.30 | 52.63 |
| 25 | ..... | ..... | 51.77 | 53.30 | 51.13 | 56.75 | 58.24 | 55.41 | 54.78 | 54.49 | 53.72 | 52.93 |
| Eom | ..... | ..... | 51.91 | 52.74 | 51.64 | 56.79 | 56.24 | 55.86 | 54.50 | 54.64 | 53.06 | 53.29 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 53.58 | 51.94 | 53.60 | 52.20 | 51.90 | 52.60 | 52.71 | 52.82 | 52.63 | 54.49 | 51.09 | 51.64 |
| 10 | 53.73 | 52.17 | 53.38 | 51.60 | 51.81 | 53.38 | 53.36 | 51.16 | 52.97 | 54.66 | 51.08 | 51.51 |
| 15 | 53.77 | 52.92 | 52.10 | 52.26 | 50.62 | 53.94 | 52.15 | 52.10 | 53.40 | 54.98 | 51.65 | 51.38 |
| 20 | 53.85 | 53.00 | 50.88 | 52.48 | 50.68 | 53.10 | 52.59 | 52.76 | 53.82 | 54.19 | 52.19 | 51.91 |
| 25 | 54.08 | 53.27 | 51.37 | 52.39 | 51.07 | 52.30 | ..... | 53.32 | ..... | 53.50 | 52.06 | 52.34 |
| Eom | 51.97 | 53.30 | 50.85 | 52.32 | 52.09 | 52.06 | 53.58 | 52.06 | 54.40 | 52.38 | 51.65 | 52.86 |

e Estimated.

Lycoming County

412805N0773405.1. Local number Ly-1. Commonwealth of Pennsylvania. Tiadaghton State Forest. Drilled unused water-table well in shale and sandstone of Pottsville Group, 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 32.48 below lsd, Oct. 24, 1963. Records available: 1949-65. Measurement discontinued January 1966.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 1, 1963 | 26.84 | Aug. 12, 1963 | 29.38 | Mar. 9, 1964 | 26.73 | Oct. 12, 1964 | 31.05 |
| 14 | 26.95 | 19 | 29.82 | 16 | 22.75 | 20 | 31.93 |
| 21 | 26.08 | 26 | 30.30 | 23 | 22.30 | 27 | 31.35 |
| 29 | 26.28 | Sept. 5 | 30.40 | 30 | 19.17 | Nov. 9 | 31.74 |
| Feb. 4 | 26.62 | 9 | 30.62 | Apr. 6 | 19.60 | 20 | 31.69 |
| 12 | 26.85 | 16 | 31.00 | 13 | 20.04 | 27 | 31.98 |
| 18 | 27.20 | 23 | 31.00 | 20 | 20.39 | Dec. 2 | 32.20 |
| 25 | 27.44 | 30 | 30.99 | 28 | 18.86 | 8 | 31.99 |
| Mar. 4 | 27.95 | Oct. 7 | 31.35 | May 5 | 19.31 | 15 | 31.98 |
| 11 | 27.95 | 21 | 31.54 | 12 | 20.22 | Feb. 9, 1935 | 29.80 |
| 18 | 27.68 | 24 | 32.48 | 18 | 21.57 | Mar. 4 | 26.98 |
| 25 | 27.24 | 28 | 31.45 | 25 | 21.80 | Apr. 26 | 25.45 |
| Apr. 1 | 22.04 | Nov. 4 | 31.72 | June 3 | 23.98 | May 10 | 26.27 |
| 10 | 22.15 | 11 | 31.65 | 9 | 24.54 | 17 | 26.25 |
| 16 | 23.48 | 20 | 31.55 | 15 | 25.22 | 24 | 27.00 |
| 22 | 24.50 | 26 | 31.70 | 22 | 25.78 | June 1 | 27.00 |
| 29 | 25.44 | Dec. 3 | 31.49 | 29 | 26.43 | 8 | 27.05 |
| May 6 | 25.81 | 9 | 30.63 | July 6 | 26.94 | 25 | 27.05 |
| 14 | 25.70 | 17 | 30.24 | 20 | 27.85 | July 11 | 29.65 |
| 22 | 25.01 | 23 | 30.15 | 27 | 28.19 | Aug. 9 | 29.81 |
| 27 | 24.40 | 30 | 30.05 | Aug. 3 | 28.75 | 25 | 30.41 |
| June 3 | 23.98 | Jan. 6, 1964 | 29.98 | 11 | 29.00 | Sept. 7 | 30.48 |
| 11 | 24.75 | 13 | 29.35 | 17 | 29.23 | Oct. 13 | 31.10 |
| 17 | 25.87 | 20 | 28.54 | 24 | 29.73 | 18 | 31.37 |
| 24 | 26.61 | 27 | 28.43 | Sept. 1 | 30.13 | 25 | 31.23 |
| July 8 | 27.23 | Feb. 4 | 28.02 | 7 | 20.33 | Nov. 1 | 31.11 |
| 15 | 28.13 | 11 | 27.95 | 14 | 30.38 | 10 | 31.29 |
| 24 | 28.24 | 17 | 28.26 | 21 | 30.47 | 15 | 31.44 |
| 30 | 28.76 | 24 | 28.54 | 28 | 30.67 | 22 | 30.82 |
| Aug. 5 | 29.42 | Mar. 3 | 28.64 | Oct. 5 | 31.02 | Dec. 9 | 30.69 |

Mercer County

412350N0802237.1. Local number Mr-1364. Borough of Greenville. Greenville. Drilled unused artesian well in sandstone of Cussewago Sandstone, diam 6 in, depth 235 ft, cased to 41. Lsd 965 ft above msl. MP top of plywood cover, 2.10 ft above lsd. Highest water level 1.90 below lsd, Mar. 5, 1965; lowest 7.72 below lsd, Sept. 25, 1966. Records available: 1965-67.

Lowest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|------|------|-------|------|------|------|------|-------|------|------|------|
| 5 | 3.50 | .... | 1.90 | 3.25 | 3.30 | 2.75 | 4.12 | 5.55 | 3.85 | 4.32 | 3.89 | 3.35 |
| 10 | 3.21 | .... | 2.35 | 3.05 | 3.15 | 3.85 | 4.02 | 4.05 | 4.28 | 3.99 | 3.55 | 3.50 |
| 15 | .... | .... | 2.70 | 3.05 | 3.42 | 3.29 | 4.20 | 4.30 | 4.86 | 3.99 | 3.65 | 3.25 |
| 20 | .... | .... | 2.75 | 3.00 | 4.50 | 3.67 | 4.45 | 4.30 | 4.79 | 3.93 | 3.20 | 4.10 |
| 25 | .... | 2.90 | 2.70 | 3.15 | 3.40 | 3.65 | 3.90 | 4.12 | 4.00 | 3.67 | 3.33 | 3.15 |
| Eom | .... | 2.85 | 2.75 | 3.32 | 3.41 | 3.90 | 4.59 | 4.20 | 4.15 | 3.79 | 3.30 | 3.31 |
| 1966 | | | | | | | | | | | | |
| 5 | 2.82 | 3.69 | 3.80 | 3.27 | 2.70 | 3.82 | 4.70 | 4.98 | 4.64 | 4.65 | 4.70 | 4.11 |
| 10 | 3.61 | 3.10 | 3.32 | 3.23 | 3.94 | 4.05 | 4.53 | 4.80 | 4.55 | 5.39 | 4.05 | 4.80 |
| 15 | 3.00 | 3.00 | 3.81 | 3.28 | 3.72 | 4.40 | 4.62 | 5.65 | 4.69 | 4.93 | 5.12 | 3.70 |
| 20 | 3.30 | 2.93 | 3.29 | 3.38 | 3.20 | 3.97 | 4.75 | 4.99 | 4.55 | 4.80 | 4.90 | 3.70 |
| 25 | 3.40 | 2.87 | 2.92 | 3.33 | 3.61 | 4.91 | 4.75 | 5.79 | 7.72 | 4.77 | 4.43 | 4.45 |
| Eom | 3.40 | 3.25 | 3.12 | 2.55 | 3.79 | 4.95 | 5.47 | 4.70 | 5.35 | 4.92 | 4.10 | 3.71 |
| 1967 | | | | | | | | | | | | |
| 5 | 4.68 | 3.61 | 3.35 | 3.25 | 3.90 | 4.60 | .... | 4.31 | 4.20 | 4.40 | 4.08 | 3.41 |
| 10 | 4.05 | 3.53 | 3.15 | 3.35 | 3.70 | 4.60 | 3.87 | 3.09 | 3.90 | 3.60 | 4.50 | 3.42 |
| 15 | 5.38 | 5.93 | 3.12 | 3.40 | 3.40 | 5.02 | 4.03 | 4.60 | 4.89 | 4.50 | 3.92 | 3.48 |
| 20 | 4.15 | 3.57 | 4.40 | e3.00 | 3.70 | 4.79 | 4.59 | 4.50 | 4.82 | 3.90 | 3.65 | 3.60 |
| 25 | 4.03 | 3.58 | 3.35 | e3.00 | 4.12 | 4.55 | 3.60 | 4.62 | 4.90 | 4.10 | 3.40 | 3.33 |
| Eom | 4.05 | 3.69 | 3.65 | e3.00 | 4.48 | 4.68 | 4.13 | 4.40 | 4.75 | 3.92 | 3.51 | 5.72 |

e Estimated.

Mifflin County

404210N0773310.1. Local number Mf-1. Charles C. Naginney. Village of Naginney. 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 24.89 below lsd, Nov. 7, 1964. Records available: 1941-42, 1946-67.

40421 0N077331 0.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 5, 1963 | 22.18 | Apr. 11, 1964 | 18.37 | July 10, 1965 | 23.82 | Oct. 8, 1966 | 22.03 |
| 12 | 18.01 | 18 | 15.42 | 17 | 23.72 | 15 | 22.45 |
| 21 | 17.20 | 25 | 15.54 | 24 | 23.63 | 22 | 22.43 |
| 26 | 18.18 | May 2 | 14.75 | 31 | 23.90 | 29 | 22.50 |
| Feb. 2 | 17.80 | 9 | 18.43 | Aug. 7 | 23.59 | Nov. 5 | 22.28 |
| 9 | 18.10 | 16 | 20.28 | 13 | 23.30 | 12 | 21.06 |
| 16 | 20.50 | 23 | 21.15 | 21 | 21.60 | 18 | 22.23 |
| 23 | 20.86 | 30 | 21.77 | 28 | 23.24 | 25 | 22.43 |
| Mar. 2 | 22.35 | June 6 | 21.00 | Sept. 4 | 24.16 | Dec. 2 | 15.31 |
| 9 | 14.82 | 13 | 22.38 | 11 | 23.80 | 10 | 17.75 |
| 16 | 14.86 | 20 | 22.88 | 18 | 24.16 | 17 | 17.50 |
| 23 | 15.79 | 28 | 22.12 | 25 | 23.37 | 23 | 17.80 |
| 30 | 15.80 | July 4 | 23.55 | Oct. 2 | 20.66 | 29 | 18.54 |
| Apr. 6 | 20.80 | 11 | 23.90 | 9 | 20.10 | Jan. 7, 1967 | 20.80 |
| 13 | 20.72 | 18 | 23.62 | 16 | 23.03 | 14 | 20.80 |
| 20 | 20.90 | 25 | 23.10 | 23 | 21.64 | 20 | 22.85 |
| 27 | 21.62 | Aug. 1 | 23.32 | 30 | 23.85 | 27 | 20.20 |
| May 4 | 20.20 | 8 | 23.40 | Nov. 6 | 23.25 | Feb. 3 | 17.44 |
| 11 | 19.70 | 15 | 23.52 | 13 | 23.25 | 11 | 17.64 |
| 18 | 18.59 | 22 | 23.67 | 20 | 23.55 | 18 | 18.89 |
| 25 | 18.38 | 29 | 23.73 | 27 | 23.30 | 25 | 19.90 |
| June 2 | 18.40 | Sept. 5 | 23.20 | Dec. 4 | 23.03 | Mar. 4 | 19.40 |
| 8 | 18.20 | 15 | 24.20 | 11 | 23.59 | 11 | 15.98 |
| 15 | 19.01 | 19 | 24.25 | 18 | 23.59 | 16 | 12.40 |
| 22 | 21.18 | 26 | 24.40 | 23 | 23.33 | 25 | 16.00 |
| 29 | 22.47 | Oct. 3 | 23.77 | 31 | 23.06 | 31 | 14.80 |
| July 8 | 22.23 | 10 | 24.55 | Jan. 8, 1966 | 18.75 | Apr. 8 | 15.90 |
| 13 | 22.59 | 17 | 24.45 | 15 | 19.70 | 14 | 16.90 |
| 20 | 22.22 | 24 | 24.51 | 22 | 20.48 | 22 | 17.56 |
| 26 | 22.90 | 31 | 24.78 | 29 | 22.89 | 28 | 16.32 |
| Aug. 3 | 22.80 | Nov. 7 | 24.89 | Feb. 5 | 23.70 | May 6 | 16.80 |
| 10 | 23.00 | 14 | 24.80 | 12 | 19.90 | 13 | 15.28 |
| 17 | 23.07 | 21 | 24.51 | 19 | 14.70 | 20 | 15.20 |
| 24 | 23.25 | 28 | 23.88 | 26 | 17.05 | 27 | 16.59 |
| 31 | 23.24 | Dec. 5 | 24.87 | Mar. 5 | 15.13 | June 2 | 17.28 |
| Sept. 7 | 23.06 | 12 | 23.26 | 12 | 15.70 | 10 | 17.90 |
| 14 | 23.30 | 19 | 24.01 | 19 | 16.48 | 16 | 17.14 |
| 21 | 23.37 | 26 | 21.04 | 26 | 17.46 | 21 | 17.82 |
| 28 | 23.37 | Jan. 2, 1965 | 23.60 | Apr. 2 | 18.24 | 30 | 20.22 |
| Oct. 5 | 23.26 | 7 | 23.86 | 9 | 19.09 | July 7 | 19.68 |
| 12 | 23.36 | 9 | 23.58 | 16 | 18.80 | 14 | 20.70 |
| 19 | 23.43 | 12 | 22.90 | 23 | 18.55 | 22 | 19.48 |
| 24 | 23.71 | 23 | 24.06 | 30 | 15.39 | 28 | 15.27 |
| Nov. 2 | 23.00 | 30 | 23.32 | May 7 | 13.54 | Aug. 4 | 16.22 |
| 9 | 23.20 | Feb. 6 | 24.49 | 14 | 16.29 | 12 | 17.06 |
| 16 | 23.37 | 13 | 18.55 | 21 | 16.10 | 19 | 17.30 |
| 24 | 23.39 | 20 | 20.55 | 28 | 17.39 | 26 | 18.42 |
| 30 | 21.72 | 27 | 20.27 | June 3 | 18.50 | Sept. 1 | 17.20 |
| Dec. 7 | 23.18 | Mar. 6 | 16.26 | 11 | 19.15 | 8 | 18.67 |
| 14 | 22.61 | 13 | 17.87 | 18 | 20.64 | 16 | 20.25 |
| 21 | 24.27 | 20 | 19.18 | 25 | 23.27 | 23 | 19.80 |
| 29 | 24.42 | 27 | 17.56 | July 2 | 22.66 | 28 | 19.78 |
| Jan. 4, 1964 | 23.64 | Apr. 3 | 17.15 | 9 | 23.09 | Oct. 6 | 18.74 |
| 11 | 17.80 | 10 | 17.57 | 16 | 21.26 | 14 | 20.02 |
| 18 | 18.41 | 17 | 18.41 | 23 | 23.45 | 21 | 18.60 |
| 25 | 16.38 | 24 | 19.04 | 30 | 22.30 | 27 | 15.12 |
| Feb. 1 | 17.10 | May 1 | 19.31 | Aug. 6 | 22.90 | Nov. 4 | 16.27 |
| 8 | 17.18 | 8 | 19.50 | 15 | 22.50 | 11 | 17.28 |
| 15 | 19.60 | 15 | 20.38 | 20 | 23.83 | 18 | 17.80 |
| 22 | 21.10 | 22 | 20.82 | 27 | 23.58 | 24 | 18.24 |
| 29 | 21.26 | 29 | 21.10 | Sept. 4 | 23.55 | Dec. 2 | 18.38 |
| Mar. 7 | 13.84 | June 5 | 21.62 | 10 | 22.90 | 8 | 16.80 |
| 14 | 12.86 | 12 | 21.82 | 17 | 20.72 | 16 | 16.40 |
| 21 | 17.00 | 19 | 22.80 | 23 | 19.56 | 22 | 16.90 |
| 28 | 19.00 | 26 | 23.15 | 30 | 19.57 | 28 | 18.90 |
| Apr. 5 | 20.12 | July 3 | 23.69 | | | | |

Montgomery County

401452N0753936.1. Local number Mg-2. Commonwealth of Pennsylvania. Pottsgrove Manor. King and High Sts., Pottstown. Dug unused water-table well in shale of Brunswick Formation of Triassic age, diam 48 in, depth 30 ft. Lsd 158 ft above msl. MP top of wooden cover, 0.7 ft above lsd. Highest water level 19.75 below lsd Mar. 22, 1967; lowest 27.34 below lsd, Aug. 25, 1950. Records available: 1948-51, 1953-67.

401452N0753936.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 11, 1963 | 24.81 | May 22, 1964 | 24.94 | Aug. 25, 1965 | 24.40 | Nov. 23, 1966 | 25.59 |
| Feb. 7 | 23.69 | June 24 | 25.42 | Sept. 24 | 25.52 | Dec. 20 | 24.55 |
| 28 | 24.88 | July 23 | 25.15 | Oct. 21 | 25.39 | Jan. 24, 1967 | 24.44 |
| Mar. 27 | 24.85 | Aug. 25 | 25.73 | Nov. 23 | 25.05 | Feb. 23 | 24.14 |
| Apr. 24 | 25.28 | Sept. 22 | 26.02 | Dec. 21 | 25.46 | Mar. 22 | 19.75 |
| May 24 | 24.88 | Oct. 22 | 25.26 | Jan. 20, 1966 | 25.45 | Apr. 21 | 24.84 |
| June 25 | 25.41 | Nov. 24 | 25.58 | Feb. 23 | 24.06 | May 18 | 24.80 |
| July 25 | 25.48 | Dec. 22 | 24.95 | Mar. 23 | 24.81 | June 26 | 26.08 |
| Aug. 21 | 25.50 | Jan. 21, 1965 | 24.81 | Apr. 20 | 24.76 | July 26 | 25.46 |
| Sept. 20 | 25.07 | Feb. 25 | 24.45 | May 25 | 24.66 | Aug. 22 | 25.23 |
| Oct. 25 | 25.90 | Mar. 24 | 24.66 | June 23 | 25.25 | Sept. 25 | 25.65 |
| Nov. 22 | 25.88 | Apr. 27 | 24.80 | July 27 | 25.70 | Oct. 26 | 24.90 |
| Feb. 25, 1964 | 24.07 | May 25 | 25.32 | Aug. 24 | 25.78 | Nov. 22 | 25.60 |
| Mar. 25 | 23.20 | June 24 | 25.44 | Sept. 22 | 23.58 | Dec. 20 | 26.45 |
| Apr. 21 | 22.67 | July 27 | 25.39 | Oct. 21 | 23.24 | | |

401438N0753833.1. Local number Mg-101. Doehler-Jarvis Corp. Pottstown. 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: 1953-66. Water levels affected by pumping. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 11, 1963 | 57.40 | Jan. 21, 1964 | 60.97 | Jan. 21, 1965 | 55.39 | Jan. 20, 1966 | 58.40 |
| Feb. 7 | 60.24 | Feb. 25 | 58.49 | Feb. 25 | 52.49 | Feb. 23 | 54.36 |
| 28 | 56.24 | Mar. 25 | 51.23 | Mar. 24 | 50.76 | Mar. 23 | 52.67 |
| Mar. 27 | 49.14 | Apr. 21 | 45.20 | Apr. 27 | 47.76 | Apr. 20 | 52.99 |
| Apr. 24 | 52.38 | May 22 | 47.14 | May 25 | 56.89 | May 25 | 54.19 |
| May 24 | 61.69 | June 24 | 54.14 | June 24 | 61.10 | June 23 | 57.65 |
| June 25 | 58.27 | July 23 | 55.81 | July 27 | 59.16 | July 27 | 61.65 |
| July 25 | 63.82 | Aug. 25 | 56.42 | Aug. 25 | 59.87 | Aug. 24 | 63.03 |
| Aug. 21 | 63.07 | Sept. 22 | 57.90 | Sept. 24 | 61.31 | Sept. 22 | 62.07 |
| Sept. 20 | 62.38 | Oct. 22 | 60.44 | Oct. 21 | 61.18 | Oct. 21 | 53.65 |
| Oct. 25 | 65.38 | Nov. 24 | 60.45 | Nov. 23 | 63.15 | Nov. 23 | 44.51 |
| Nov. 22 | 59.97 | Dec. 22 | 58.49 | Dec. 21 | 58.26 | Dec. 20 | 40.34 |
| Dec. 19 | 55.38 | | | | | | |

401310N0751817.1. Local number Mg-127. Merck, Sharp, and Dohme, Inc. Formerly Sharp and Dohme, Inc. Upper Gwynedd Township, West Point. 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 top of casing, 1.30 ft above lsd. Highest water level 49.40 below lsd, May 1, 2, 1957; lowest 118.50 below lsd, Nov. 14, 1963. Records available: 1956-65. Measurement discontinued.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| 5 | ..... | ..... | ..... | 92.28 | 92.00 | 98.95 | 99.38 | ..... | 110.75 | 113.87 | 117.39 | ..... |
| 10 | 99.96 | ..... | ..... | 91.83 | 93.12 | 100.20 | 102.82 | ..... | 110.80 | 114.33 | 118.39 | ..... |
| 15 | 97.60 | ..... | ..... | 90.58 | 94.30 | 101.30 | 103.45 | ..... | 119.19 | 115.00 | 118.40 | ..... |
| 20 | 95.12 | ..... | 91.05 | 88.20 | 95.30 | 101.50 | 103.65 | 107.75 | 112.10 | 115.40 | 117.95 | 113.70 |
| 25 | 93.40 | ..... | 92.05 | 89.60 | 95.60 | 99.65 | ..... | 108.72 | 112.40 | 116.21 | 117.70 | 112.25 |
| Eom | 91.27 | ..... | 92.49 | 90.80 | 97.72 | 98.00 | ..... | 110.05 | 113.17 | 117.10 | 117.29 | 111.21 |

1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 5 | 110.70 | 105.69 | 97.60 | 82.60 | 73.30 | 67.52 | 73.95 | 81.20 | 92.08 | 100.10 | 104.90 | 107.90 |
| 10 | 110.62 | 104.15 | 94.15 | 81.15 | 71.81 | 67.10 | 75.45 | 82.70 | 93.15 | 101.20 | 105.50 | 108.14 |
| 15 | 110.01 | 103.30 | 91.00 | 79.50 | 70.81 | 66.92 | 75.65 | 84.25 | 95.45 | 102.20 | 106.05 | 108.21 |
| 20 | 109.30 | 101.73 | 87.95 | 77.90 | 69.58 | 67.51 | 75.10 | 85.75 | 95.80 | 102.90 | 106.70 | 108.05 |
| 25 | 108.85 | 100.45 | 85.75 | 76.60 | 68.45 | 67.71 | 76.70 | 87.30 | 97.75 | 103.45 | 107.03 | 107.95 |
| Eom | 107.60 | 99.39 | 83.90 | 74.70 | 67.80 | 70.62 | 79.50 | 90.22 | 99.20 | 104.30 | 107.42 | 107.30 |

1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 5 | 105.55 | ..... | ..... | 70.20 | 68.45 | 72.30 | 79.75 | 85.65 | 89.15 | ..... | ..... | ..... |
| 10 | 104.30 | ..... | ..... | 68.75 | 68.70 | 73.40 | 80.80 | 86.50 | ..... | ..... | ..... | ..... |
| 15 | 102.95 | ..... | ..... | 68.40 | 69.80 | 75.07 | 81.65 | 87.7 | ..... | ..... | ..... | ..... |
| 20 | 101.15 | 87.00 | ..... | 68.30 | 70.75 | 76.40 | 82.50 | 88.90 | ..... | h92.01 | ..... | h96.15 |
| 25 | 98.60 | ..... | 74.21 | 68.35 | 71.25 | 77.75 | 83.51 | 90.80 | ..... | ..... | ..... | ..... |
| Eom | 96.20 | ..... | 72.00 | 68.15 | 71.67 | 78.75 | 84.60 | 89.89 | ..... | ..... | ..... | ..... |

e Estimated.

h Tape measurement.

400123N0751845.1. Local number Mg-133. Bryn Mawr College. Lower Merion Township, Montgomery and Norris Sts., NE, Bryn Mawr. Drilled unused artesian well in shale of 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: 1954-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 10, 1963 | 20.07 | Oct. 24, 1963 | 21.62 | Aug. 24, 1964 | 20.74 | June 23, 1965 | 19.73 |
| Feb. 6 | 19.85 | Nov. 21 | 20.79 | Sept. 21 | 21.40 | July 26 | 20.70 |
| 27 | 19.74 | Dec. 18 | 20.44 | Oct. 21 | 21.59 | Aug. 24 | 21.44 |
| Mar. 20 | 18.84 | Jan. 20, 1964 | 19.11 | Nov. 23 | 21.90 | Sept. 23 | 21.93 |
| Apr. 23 | 19.71 | Feb. 24 | 18.99 | Dec. 21 | 21.63 | Oct. 20 | 19.89 |
| May 23 | 19.18 | Mar. 24 | 18.36 | Jan. 20, 1965 | 20.98 | Nov. 22 | 21.85 |
| June 24 | 20.07 | Apr. 20 | 18.31 | Feb. 24 | 19.57 | Dec. 20 | 21.98 |
| July 24 | 20.64 | May 21 | 18.05 | Mar. 23 | 18.21 | Jan. 19, 1966 | 21.67 |
| Aug. 20 | 20.86 | June 23 | 19.48 | Apr. 26 | 18.66 | Feb. 22 | 20.60 |
| Sept. 19 | 21.25 | July 22 | 20.06 | May 25 | 18.97 | Mar. 22 | 19.85 |

400123N0751845.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Apr. 19, 1966 | 20.11 | Oct. 20, 1966 | 20.45 | Mar. 21, 1967 | 16.69 | Aug. 21, 1967 | 18.48 |
| May 24 | 19.60 | Nov. 22 | 19.74 | Apr. 20 | 16.61 | Sept. 25 | 18.31 |
| June 23 | 19.80 | Dec. 19 | 19.41 | May 18 | 16.57 | Oct. 25 | 18.74 |
| July 26 | 20.86 | Jan. 23, 1967 | 18.49 | June 26 | 17.53 | Nov. 20 | 19.01 |
| Aug. 23 | 21.60 | Feb. 22 | 17.85 | July 25 | 19.23 | Dec. 19 | 20.14 |
| Sept. 21 | 21.96 | | | | | | |

400808N0752104.1. Local number Mg-225. Norristown State Hospital. Steiger St., Norristown. 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, 0.75 ft above lsd. Highest water level 21.40 below lsd, Mar. 11, 1967; lowest 60.25 below lsd, Nov. 5, 6, 1963. Records available: 1956-67. Water levels affected by pumping.

Lowest water level for the day, from recorder graph, 1963

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 49.18 | 47.10 | 44.05 | ..... | 47.15 | 51.31 | 54.95 | ..... | 57.95 | 58.90 | 60.25 | ..... |
| 10 | 49.60 | 46.65 | 40.55 | ..... | 48.30 | 50.17 | 51.40 | ..... | 58.45 | 59.10 | 58.69 | ..... |
| 15 | 48.75 | ..... | 39.31 | ..... | 49.25 | 52.40 | 55.25 | ..... | 58.77 | 59.30 | 58.10 | ..... |
| 20 | 47.50 | ..... | 38.93 | ..... | 50.10 | 53.21 | 55.82 | 58.21 | 58.60 | 59.03 | 58.15 | 54.37 |
| 25 | 46.87 | ..... | 39.90 | 45.40 | 50.75 | 53.95 | 56.40 | 58.60 | 58.89 | 59.78 | 58.20 | 54.65 |
| Eom | 47.20 | 45.10 | 40.65 | 45.50 | 51.52 | 54.37 | 56.71 | 57.90 | 58.92 | 60.11 | 57.80 | 55.20 |
| 1964 | | | | | | | | | | | | |
| 5 | 55.20 | 44.18 | 40.35 | 38.35 | 29.28 | 36.40 | 44.21 | 47.55 | 52.55 | 54.20 | 56.00 | ..... |
| 10 | 53.49 | 43.15 | 38.49 | 37.00 | 29.50 | 38.00 | 39.55 | 48.50 | 53.15 | 54.50 | 56.41 | ..... |
| 15 | 51.00 | 42.98 | 38.10 | 38.00 | 30.35 | 39.40 | 42.85 | 49.40 | 53.45 | 54.75 | 56.80 | ..... |
| 20 | 50.03 | 42.15 | 38.03 | 35.60 | 31.65 | 41.01 | 44.82 | 50.22 | 53.91 | 54.95 | 57.25 | ..... |
| 25 | 48.30 | 42.03 | 37.95 | 34.40 | 32.75 | 42.00 | 44.52 | 51.00 | 54.40 | 55.27 | 57.35 | 55.00 |
| Eom | 44.51 | 42.03 | 37.70 | 33.40 | 34.70 | 43.05 | 46.55 | 51.90 | 54.30 | 55.71 | ..... | 53.25 |
| 1965 | | | | | | | | | | | | |
| 5 | 52.60 | 49.60 | 36.40 | 29.60 | 29.53 | 33.05 | 36.25 | 38.00 | 38.90 | 40.30 | 41.65 | 44.35 |
| 10 | 52.15 | 47.25 | 34.30 | 29.00 | 30.00 | 33.40 | 36.85 | 38.35 | 39.11 | 40.00 | 42.05 | 47.11 |
| 15 | 51.20 | 44.85 | 33.70 | 28.69 | 30.90 | 34.00 | 36.29 | 38.80 | 39.35 | 40.05 | 42.40 | 49.45 |
| 20 | 50.65 | 40.00 | 33.50 | 28.65 | 31.70 | 34.52 | 36.48 | 39.15 | 39.80 | 40.25 | 42.80 | 51.07 |
| 25 | 50.40 | 38.20 | 33.22 | ..... | 32.19 | 35.20 | 36.75 | 38.80 | 39.96 | 40.69 | 43.04 | 52.50 |
| Eom | 49.55 | 37.35 | 31.00 | 29.09 | 32.70 | 35.71 | 37.45 | 39.09 | 40.10 | 41.00 | 43.45 | 53.55 |
| 1966 | | | | | | | | | | | | |
| 5 | 54.10 | 54.85 | 38.20 | 39.99 | 37.35 | 32.97 | 39.50 | 42.10 | 46.47 | 43.30 | 39.80 | 38.50 |
| 10 | 53.70 | 54.85 | 37.50 | 40.80 | 37.99 | 32.90 | 41.00 | 40.95 | 47.10 | 43.55 | 39.25 | 38.49 |
| 15 | 53.80 | 50.25 | 37.52 | 41.33 | 35.80 | 34.30 | 42.39 | 43.10 | 47.20 | 44.10 | 39.40 | 41.85 |
| 20 | 54.27 | 44.62 | 38.19 | 42.00 | 35.45 | 34.65 | 43.50 | 44.12 | 47.10 | 43.40 | 39.55 | 41.60 |
| 25 | 54.50 | 43.20 | 38.68 | 42.20 | 33.33 | 34.65 | ..... | 44.87 | 44.80 | 40.65 | 39.64 | 41.64 |
| Eom | 54.72 | 42.90 | 39.20 | 41.60 | 33.32 | 37.40 | 44.85 | 45.80 | 44.45 | 40.25 | 38.89 | 39.65 |
| 1967 | | | | | | | | | | | | |
| 5 | 37.15 | 27.63 | 26.20 | 23.12 | 29.05 | 29.35 | 35.60 | 37.00 | 31.02 | 34.60 | 38.95 | 38.80 |
| 10 | 34.60 | 27.61 | 21.60 | 23.10 | 28.15 | 30.22 | 36.30 | 35.95 | 31.60 | 36.50 | 39.25 | 37.90 |
| 15 | 32.52 | 27.31 | 21.58 | 24.55 | 27.49 | 31.70 | 37.80 | 33.85 | 32.22 | 37.35 | 39.65 | 34.15 |
| 20 | ..... | 26.30 | 21.83 | 26.00 | 27.12 | ..... | 38.32 | 34.11 | 33.30 | 36.50 | 39.92 | 32.86 |
| 25 | 31.15 | 25.90 | 21.60 | 27.41 | 27.41 | ..... | 40.25 | 34.69 | 34.20 | 35.60 | 40.20 | 30.30 |
| Eom | 28.70 | 25.91 | 22.80 | 28.10 | 28.45 | ..... | 38.50 | 30.80 | 34.75 | 39.00 | 40.58 | 30.10 |

401310N0751817.1. Local number Mg-884. Merck, Sharp, and Dohme, Inc. Upper Gwynedd Township, West Point. Drilled unused artesian well in shale of Brunswick Formation of Triassic age, diam 12 to 10 in, depth 600 ft. Lsd 351 ft above msl. MP top of casing, 1.30 ft above lsd. Highest water level 56.19 below lsd, May 30, 1967; lowest 93.17 below lsd, Oct. 20, 22, 1966. Records available: 1966-67. Water levels affected by nearby pumping.

Lowest water level for the day, from recorder graph, 1966

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|--------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | 88.40 | 78.90 | ..... | 66.55 | 74.40 | 84.15 | 86.02 | 92.60 | 90.45 | 85.52 |
| 10 | ..... | ..... | 87.95 | 77.97 | ..... | 65.90 | 76.55 | 85.56 | 86.32 | 92.61 | 89.45 | 83.65 |
| 15 | ..... | ..... | 85.60 | e77.20 | ..... | 65.70 | 78.22 | 87.00 | 96.60 | 92.52 | 89.40 | 82.13 |
| 20 | ..... | ..... | 83.50 | ..... | ..... | 65.80 | 79.80 | 87.20 | 87.75 | 93.17 | 89.19 | 80.49 |
| 25 | ..... | ..... | 82.08 | ..... | 68.68 | 68.32 | 80.90 | 87.49 | 90.30 | 92.05 | 88.21 | 78.60 |
| Eom | ..... | ..... | 80.05 | ..... | 67.40 | 71.80 | 82.83 | 86.80 | 91.97 | 89.82 | 86.80 | 76.75 |
| 1967 | | | | | | | | | | | | |
| 5 | 75.05 | 69.70 | 69.91 | 63.80 | 59.30 | 56.32 | 68.60 | 73.10 | 71.67 | 71.25 | 74.50 | 77.95 |
| 10 | 73.91 | 69.71 | 69.65 | 62.21 | 58.49 | 58.95 | 67.70 | 72.80 | 71.55 | 72.00 | 74.22 | 72.70 |
| 15 | 73.07 | 69.80 | 69.35 | 61.10 | 57.60 | 61.30 | 66.50 | 72.36 | 71.83 | 72.82 | 73.65 | 71.90 |
| 20 | e72.50 | 69.85 | 69.00 | 60.65 | 57.13 | ..... | 76.60 | 72.28 | 71.75 | 73.51 | 72.90 | 71.08 |
| 25 | 71.32 | 69.89 | 67.70 | 60.39 | 56.40 | ..... | 72.40 | 70.74 | 73.89 | 72.62 | ..... | 69.45 |
| Eom | 70.51 | 69.69 | 65.80 | 59.75 | 56.25 | 68.55 | ..... | ..... | ..... | ..... | ..... | ..... |

e Estimated.

Perry County

402847N0770811.1. Local number Pe-2. Bertha Demaree. 29 North 3d St., Newport. Dug unused water-table well in sandstone of Chemung Formation, 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 below lsd, Apr. 27, 1940; lowest 18.53 below lsd, May 25 1943. Records available: 1931-67.

40284N0770811.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|---------------|-------------|---------------|-------------|--------------|-------------|
| Jan. 6, 1963 | 15.07 | Apr. 12, 1964 | 14.82 | July 11, 1965 | 15.28 | Oct. 2, 1966 | 11.98 |
| 14 | 14.54 | 19 | 13.67 | 18 | 15.28 | 9 | 12.37 |
| 20 | 14.82 | 26 | 13.06 | 25 | 15.38 | 17 | 12.50 |
| 27 | 14.90 | May 3 | 10.20 | Aug. 1 | 14.85 | 23 | 12.33 |
| Feb. 3 | 14.97 | 10 | 11.70 | 8 | 15.38 | 31 | 12.54 |
| 10 | 15.10 | 17 | 12.93 | 15 | 15.68 | Nov. 7 | 12.51 |
| 17 | 15.13 | 24 | 13.47 | 22 | 15.72 | 13 | 12.50 |
| 24 | 15.03 | 31 | 13.90 | 29 | 15.92 | 20 | 12.53 |
| Mar. 3 | 15.11 | June 7 | 14.16 | Sept. 6 | 16.28 | 27 | 12.56 |
| 10 | 14.17 | 14 | 14.40 | 12 | 16.36 | Dec. 4 | 11.82 |
| 17 | 13.44 | 21 | 14.62 | 19 | 15.20 | 11 | 11.55 |
| 21 | 13.30 | 29 | 14.36 | 26 | 16.13 | 18 | 11.68 |
| 25 | 13.34 | July 5 | 15.07 | Oct. 3 | 15.60 | 26 | 11.48 |
| Apr. 7 | 13.26 | 12 | 15.29 | 10 | 15.00 | Jan. 2, 1967 | 11.56 |
| 14 | 13.83 | 19 | 15.44 | 17 | 15.13 | 8 | 11.82 |
| 21 | 14.10 | 26 | 19.60 | 24 | 14.94 | 15 | 11.57 |
| 29 | 14.47 | Aug. 2 | 15.71 | 31 | 15.15 | 25 | 11.60 |
| May 5 | 14.56 | 9 | 15.90 | Nov. 7 | 15.21 | 29 | 10.47 |
| 12 | 14.83 | 16 | 16.04 | 14 | 15.34 | Feb. 5 | 10.55 |
| 19 | 14.47 | 23 | 16.16 | 21 | 15.22 | 12 | 10.54 |
| 26 | 14.90 | 30 | 16.29 | 28 | 15.22 | 19 | 10.82 |
| June 2 | 15.04 | Sept. 6 | 16.40 | Dec. 5 | 15.29 | 26 | 10.85 |
| 9 | 14.26 | 13 | 16.56 | 12 | 15.45 | Mar. 5 | 10.32 |
| 16 | 14.62 | 20 | 16.65 | 19 | 15.39 | 13 | 9.16 |
| 23 | 14.61 | 27 | 16.75 | 26 | 15.40 | 20 | 9.18 |
| 30 | 14.78 | Oct. 4 | 16.35 | Jan. 2, 1966 | 15.42 | 27 | 8.94 |
| July 10 | 14.95 | 11 | 16.67 | 9 | 14.99 | Apr. 2 | 9.00 |
| 17 | 15.12 | 18 | 16.73 | 16 | 15.02 | 9 | 9.08 |
| 21 | 15.24 | 25 | 16.82 | 23 | 14.91 | 16 | 9.11 |
| 28 | 15.43 | Nov. 1 | 17.03 | 30 | 14.94 | 23 | 9.17 |
| Aug. 4 | 15.49 | 8 | 17.20 | Feb. 6 | 14.80 | 30 | 9.04 |
| 11 | 15.67 | 15 | 17.33 | 13 | 13.35 | May 7 | 8.54 |
| 18 | 15.80 | 22 | 17.43 | 20 | 13.87 | 15 | 8.64 |
| 25 | 15.90 | 29 | 17.04 | 27 | 13.57 | 21 | 8.72 |
| Sept. 1 | 16.03 | Dec. 6 | 16.99 | Mar. 6 | 12.71 | 29 | 8.82 |
| 8 | 16.20 | 13 | 16.99 | 13 | 12.91 | June 4 | 8.92 |
| 15 | 16.32 | 20 | 17.11 | 20 | 12.91 | 12 | 9.05 |
| 22 | 16.43 | 27 | 16.58 | 27 | 12.77 | 18 | 9.35 |
| 29 | 16.55 | Jan. 3, 1965 | 16.18 | Apr. 3 | 12.40 | 25 | 9.44 |
| Oct. 6 | 16.77 | 10 | 16.10 | 10 | 12.52 | July 1 | 9.38 |
| 13 | 16.30 | 17 | 16.32 | 17 | 12.65 | 16 | 10.02 |
| 20 | 16.92 | 24 | 16.66 | 24 | 11.92 | 23 | 10.17 |
| 27 | 17.05 | 31 | 16.63 | May 1 | 11.35 | 30 | 9.54 |
| Nov. 3 | 17.20 | Feb. 7 | 16.70 | 8 | 11.67 | Aug. 6 | 9.27 |
| 10 | 17.20 | 13 | 15.41 | 15 | 11.68 | 13 | 9.35 |
| 17 | 17.33 | 21 | 16.21 | 22 | 11.58 | 20 | 9.34 |
| 25 | 17.47 | 28 | 16.02 | 30 | 11.88 | 27 | 8.18 |
| Dec. 1 | 16.59 | Mar. 7 | 14.58 | June 5 | 11.85 | Sept. 4 | 8.83 |
| 8 | 16.84 | 14 | 15.74 | 12 | 11.95 | 10 | 8.91 |
| 15 | 16.54 | 21 | 15.26 | 19 | 12.16 | 18 | 9.02 |
| 22 | 16.70 | 28 | 15.19 | 26 | 12.15 | 24 | 8.87 |
| 29 | 17.10 | Apr. 4 | 15.25 | July 2 | 12.35 | Oct. 1 | 9.96 |
| Jan. 5, 1964 | 17.14 | 11 | 15.14 | 9 | 12.16 | 8 | 9.49 |
| 12 | 16.30 | 18 | 15.04 | 17 | 12.66 | 15 | 9.31 |
| 19 | 16.47 | 25 | 15.22 | 24 | 12.77 | 22 | 9.22 |
| 26 | 14.83 | May 2 | 15.30 | 31 | 12.91 | 29 | 9.10 |
| Feb. 2 | 15.69 | 9 | 14.88 | Aug. 7 | 13.03 | Nov. 6 | 8.82 |
| 9 | 15.17 | 16 | 15.13 | 14 | 12.80 | 13 | 8.74 |
| 16 | 15.50 | 23 | 15.24 | 21 | 13.03 | 20 | 8.70 |
| 23 | 15.29 | 30 | 15.21 | 28 | 12.95 | 26 | 8.66 |
| Mar. 1 | 14.99 | June 6 | 15.14 | Sept. 4 | 13.22 | Dec. 3 | 8.19 |
| 8 | 14.38 | 13 | 14.96 | 11 | 13.10 | 18 | 8.39 |
| 15 | 13.63 | 20 | 15.05 | 18 | 12.47 | 25 | 8.20 |
| 22 | 13.59 | 27 | 15.24 | 27 | 12.26 | 31 | 8.10 |
| Apr. 5 | 13.77 | July 7 | 15.35 | | | | |

Philadelphia County

395342N0751021.1, Local number Ph-12. U.S. Naval Base, Barracks and East 4th St., Philadelphia. 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; lowest 39.60 below lsd, July 20, 1955. Records available: 1944-67. Affected by pumping of well 1, 100 ft distant. Mean daily fluctuation caused by tidal loading, 0.20 ft. Pumping stopped in March 1966.

395342N0751021.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 31.91 | 31.95 | 32.85 | 31.40 | 30.40 | 31.19 | 31.02 | 32.45 | 31.85 | 31.19 | 31.38 | 31.70 |
| 10 | 31.45 | 32.80 | 32.80 | 31.18 | 31.80 | 30.42 | 31.72 | ..... | 31.22 | 31.00 | ..... | 31.40 |
| 15 | 31.90 | 32.75 | 33.00 | 31.30 | 30.90 | 30.71 | 31.60 | ..... | ..... | 30.79 | ..... | 31.10 |
| 20 | 31.05 | 32.33 | 31.90 | 30.90 | 31.26 | 30.33 | 32.00 | 32.10 | 31.50 | 30.30 | ..... | 31.80 |
| 25 | 33.10 | 32.55 | 32.82 | 31.31 | 31.15 | 31.25 | 32.30 | 31.80 | 30.55 | 30.60 | 31.10 | 31.40 |
| Eom | 32.75 | 32.95 | 31.70 | 30.80 | 30.82 | 31.00 | 32.60 | 31.80 | 30.90 | 30.85 | 30.35 | 32.35 |
| 1964 | | | | | | | | | | | | |
| 5 | 31.92 | 32.65 | 32.85 | 31.05 | 31.60 | 32.15 | 31.60 | 31.92 | 31.60 | ..... | 31.70 | ..... |
| 10 | 32.20 | 33.92 | 32.03 | 31.79 | 31.60 | 32.10 | 32.45 | 31.55 | 32.12 | ..... | ..... | ..... |
| 15 | 32.29 | 32.15 | 31.05 | 31.40 | 31.45 | 30.97 | 32.80 | 32.35 | 31.65 | ..... | ..... | ..... |
| 20 | 31.91 | 32.40 | 31.69 | 31.60 | ..... | 31.60 | 32.95 | 32.55 | 30.93 | ..... | ..... | ..... |
| 25 | 32.05 | 32.89 | 31.50 | 31.45 | 31.25 | 32.50 | 31.35 | 32.71 | 32.40 | 31.30 | ..... | 32.09 |
| Eom | 33.22 | 32.75 | 31.25 | 30.38 | 30.50 | 32.55 | 32.00 | 31.35 | 31.82 | 31.65 | ..... | 32.35 |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | ..... | 31.80 | 31.70 | 32.95 | 31.00 | 30.40 | 31.69 | 30.98 | 31.10 | 31.05 | 30.40 |
| 10 | ..... | ..... | 32.25 | 31.85 | 31.35 | 31.02 | 31.00 | 30.85 | 31.37 | 29.85 | 30.95 | 31.15 |
| 15 | ..... | ..... | 32.49 | 31.60 | 31.45 | 31.05 | 31.00 | 31.00 | 31.95 | 31.30 | 30.25 | 30.15 |
| 20 | 32.42 | ..... | 31.70 | 31.45 | 31.90 | 29.95 | 31.35 | 31.90 | 31.79 | 31.19 | 30.35 | 30.90 |
| 25 | 32.20 | 32.00 | 32.30 | 30.40 | 30.95 | 31.55 | ..... | 31.47 | 31.12 | 30.35 | 30.25 | 30.80 |
| Eom | ..... | 32.35 | 31.90 | 31.70 | 31.30 | 31.03 | 31.50 | 31.69 | 31.79 | 30.55 | 30.70 | 31.49 |
| 1966 | | | | | | | | | | | | |
| 5 | 32.25 | 32.70 | 32.20 | 31.89 | 28.70 | 27.52 | 27.39 | 27.28 | 26.82 | 27.25 | 27.40 | 26.87 |
| 10 | 32.19 | 32.85 | 33.20 | 30.05 | 28.55 | 27.99 | 27.50 | 28.05 | 27.60 | 26.55 | 27.45 | 26.51 |
| 15 | 32.90 | 32.80 | 32.35 | 29.55 | 27.91 | 27.51 | 28.05 | 27.07 | 27.33 | 27.15 | 27.91 | 27.77 |
| 20 | 32.30 | 32.90 | 31.29 | 29.50 | 28.05 | 27.48 | 27.40 | 27.23 | 27.30 | 27.32 | 27.10 | 26.40 |
| 25 | 32.40 | 32.10 | 32.10 | 28.60 | 28.01 | 27.41 | ..... | 27.51 | 27.02 | 27.00 | 26.41 | 25.97 |
| Eom | 32.25 | 32.70 | 31.35 | 28.50 | 27.89 | 28.52 | 27.10 | 27.61 | 26.85 | 26.50 | 26.61 | 26.25 |
| 1967 | | | | | | | | | | | | |
| 5 | 26.45 | 25.59 | 25.80 | 26.32 | 26.00 | 25.21 | 25.50 | 26.11 | 25.71 | 25.10 | 24.48 | 23.89 |
| 10 | 26.51 | 26.67 | 26.25 | 25.20 | 25.50 | 25.05 | 25.25 | 25.65 | 25.75 | 24.95 | 24.60 | 23.89 |
| 15 | 26.02 | 26.27 | 25.59 | 25.20 | 25.15 | 25.03 | 25.12 | 26.12 | 25.43 | 25.10 | 24.80 | 24.15 |
| 20 | 26.92 | 26.40 | 25.79 | 26.60 | 26.29 | ..... | 25.15 | 25.80 | 25.65 | 24.83 | 25.10 | 24.30 |
| 25 | 26.33 | 25.89 | 25.35 | 25.80 | 25.20 | ..... | 24.84 | 26.25 | 25.48 | 24.80 | 24.35 | 24.30 |
| Eom | 26.50 | 26.10 | 26.00 | 25.39 | 25.45 | 25.30 | 25.20 | 26.00 | 25.12 | 24.90 | 24.30 | 24.30 |

395316N0751049.1. Local number Ph-20, U.S. Naval Base. Phillip and West 3d St., Philadelphia. Drilled observation artesian well in sand of Raritan Formation ("lower aquifer"), diam 8 in, depth 266 ft (19 ft into rock), cased to 238, screened 238-243. Lsd 13 ft above msl. MP top of casing, 3.20 ft above lsd. Highest water level 31.30 below lsd, Oct. 28, 1967; lowest 64.90 below lsd, Dec. 4, 1964. Records available: 1946-67. Mean daily fluctuation caused by tidal loading, 1.7 ft. Pumping stopped in March 1966 in nearby wells.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | ..... | 55.43 | ..... | 57.10 | 51.00 | 60.42 | 55.35 | 61.52 | 55.37 | 53.00 | 57.36 | 60.40 |
| 10 | 51.30 | 58.15 | ..... | 57.48 | 56.60 | 55.50 | 60.70 | 61.30 | 53.20 | 51.55 | 53.25 | 59.01 |
| 15 | 51.15 | 59.25 | ..... | 57.10 | 54.21 | 55.89 | 55.75 | 62.70 | 49.00 | 52.87 | 59.70 | 54.70 |
| 20 | 49.95 | 61.40 | ..... | 56.20 | 54.00 | 57.77 | 60.99 | 56.65 | 56.57 | 51.00 | 59.00 | 61.12 |
| 25 | 60.49 | 54.85 | ..... | 57.05 | 49.30 | 56.59 | 58.25 | 55.50 | 52.40 | 53.51 | 52.65 | 59.85 |
| Eom | 56.57 | 55.43 | 57.40 | 54.10 | 51.75 | 54.52 | 62.09 | 55.45 | 51.68 | 55.95 | 52.60 | 59.69 |
| 1964 | | | | | | | | | | | | |
| 5 | 60.75 | 63.73 | 63.95 | 47.65 | 56.68 | 60.60 | 55.50 | 58.75 | 60.50 | 56.45 | ..... | 62.75 |
| 10 | 61.31 | 62.45 | 63.75 | 59.92 | 56.60 | 63.10 | 58.05 | 54.48 | 58.50 | 57.55 | ..... | 64.00 |
| 15 | 60.62 | 62.05 | 52.15 | 55.52 | 61.30 | 57.00 | 62.00 | 59.02 | 53.45 | 60.55 | ..... | 60.40 |
| 20 | 61.77 | 59.30 | 59.35 | 56.30 | 57.20 | 56.00 | 56.72 | 63.20 | 51.50 | 50.50 | ..... | 62.20 |
| 25 | 58.80 | 62.26 | 58.22 | 58.35 | 60.42 | 63.89 | 60.00 | 62.15 | 62.90 | ..... | 63.00 | 61.65 |
| Eom | 64.30 | 63.15 | 54.70 | 61.25 | 51.05 | 63.55 | 61.50 | 56.31 | 59.29 | ..... | 61.90 | 61.29 |
| 1965 | | | | | | | | | | | | |
| 5 | 60.28 | 62.25 | 61.48 | 57.50 | 58.25 | 58.49 | 54.15 | 61.50 | 53.50 | 52.69 | 54.02 | 60.78 |
| 10 | 61.75 | 62.26 | 61.70 | 50.25 | 58.05 | 59.69 | 60.55 | 59.90 | 60.31 | 51.96 | 54.65 | 63.00 |
| 15 | 62.40 | 59.85 | 59.55 | 59.00 | 56.22 | 58.72 | 60.09 | 59.30 | 60.50 | 52.40 | 51.25 | 60.63 |
| 20 | 62.05 | 62.42 | 59.70 | 55.80 | 60.55 | 53.80 | 60.45 | 62.00 | 57.80 | 54.20 | 51.25 | 60.89 |
| 25 | 61.15 | 61.45 | 58.85 | ..... | 56.00 | 62.70 | 57.92 | 60.29 | 56.45 | 53.40 | 50.60 | 60.22 |
| Eom | 61.35 | 61.50 | 57.40 | 59.40 | 53.10 | 61.21 | 61.00 | 59.25 | 60.20 | 54.45 | 57.00 | 62.11 |
| 1966 | | | | | | | | | | | | |
| 5 | 64.80 | 63.55 | e64.0 | 60.70 | 37.72 | 35.87 | 37.29 | 37.29 | 36.02 | 35.55 | 37.93 | 35.40 |
| 10 | 63.75 | 63.82 | ..... | 38.20 | 37.92 | 37.72 | 37.19 | 37.05 | 36.95 | 34.69 | 44.10 | 35.65 |
| 15 | 62.75 | 63.83 | ..... | 37.28 | 35.50 | 27.77 | 29.80 | 35.80 | 38.05 | 36.00 | 40.57 | 36.86 |
| 20 | 63.00 | 63.90 | ..... | 38.05 | 36.99 | 35.70 | 38.10 | 37.65 | 37.35 | 38.23 | ..... | 34.65 |
| 25 | 62.45 | 63.0 | 61.11 | 35.93 | 37.45 | 37.35 | 36.15 | 39.69 | 36.15 | 37.11 | 34.44 | 33.81 |
| Eom | 62.82 | e64.0 | 56.40 | 35.60 | 36.65 | 39.81 | 36.02 | 40.15 | 36.05 | 34.95 | 36.77 | 33.79 |
| 1967 | | | | | | | | | | | | |
| 5 | 36.13 | 33.75 | 33.85 | 36.20 | 36.35 | 34.52 | 35.11 | 36.20 | 34.50 | 34.65 | 31.70 | 32.05 |
| 10 | 36.99 | 34.25 | 35.99 | 35.00 | 36.33 | 35.49 | 35.15 | 34.60 | 34.34 | 33.60 | 32.60 | 32.60 |
| 15 | 34.15 | 37.65 | 34.63 | 34.20 | 33.70 | 35.10 | 34.30 | 35.20 | 33.70 | 32.85 | 34.81 | 33.75 |
| 20 | 37.00 | 34.80 | 33.20 | 36.79 | 34.61 | ..... | 34.00 | 34.32 | 35.62 | 32.61 | 32.45 | ..... |
| 25 | 36.71 | 34.72 | 33.40 | 35.30 | 35.25 | ..... | 34.06 | 35.92 | 33.68 | 33.58 | 32.55 | ..... |
| Eom | 36.11 | 36.68 | 36.70 | 34.11 | 35.80 | 35.07 | 34.20 | 36.32 | 32.98 | 34.00 | 32.62 | ..... |

e Estimated.

Schuylkill County

403223N0762242.1. Local number Sc-1. Nick C. Donofrio. Pine Grove. Dug unused water-table well in shale of Portage Formation, diam 52 in, depth 33 ft, cased with stone. Lsd 560 ft above msl. MP top of wooden cover, at lsd. Highest water level 3.56 below lsd, Aug. 31, 1940; lowest 31.78 below lsd, Nov. 5, 1944. Records available: 1931-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|--------------|-------------|
| Jan. 5, 1963 | 18.17 | Apr. 4, 1964 | 14.17 | July 3, 1965 | 23.70 | Oct. 8, 1966 | 24.70 |
| 12 | 13.70 | 11 | 13.17 | 10 | 22.00 | 15 | 25.10 |
| 19 | 14.10 | 18 | 12.29 | 17 | 22.18 | 22 | 24.47 |
| 26 | 14.90 | 25 | 13.37 | 24 | 23.60 | 29 | 24.40 |
| Feb. 2 | 14.00 | May 2 | 12.60 | 31 | 23.87 | Nov. 5 | 24.18 |
| 9 | 13.70 | 9 | 14.70 | Aug. 7 | 23.80 | 12 | 23.76 |
| 16 | 16.10 | 16 | 16.17 | 14 | 24.68 | 19 | 23.57 |
| 23 | 15.30 | 23 | 17.70 | 21 | 24.20 | 26 | 23.60 |
| Mar. 2 | 11.70 | 30 | 15.70 | 28 | 23.76 | Dec. 3 | 15.00 |
| 9 | 10.50 | June 6 | 14.00 | Sept. 4 | 24.47 | 10 | 15.18 |
| 16 | 11.50 | 13 | 16.76 | 11 | 25.70 | 17 | 15.66 |
| 23 | 12.20 | 20 | 16.86 | 18 | 26.00 | 24 | 14.80 |
| 30 | 11.90 | 27 | 18.26 | 25 | 25.75 | 31 | 14.20 |
| Apr. 6 | 10.10 | July 4 | 19.00 | Oct. 2 | 25.90 | Jan. 7, 1967 | 14.17 |
| 13 | 16.60 | 13 | 19.77 | 9 | 25.08 | 14 | 14.57 |
| 20 | 13.00 | 18 | 22.18 | 16 | 25.68 | 21 | 13.20 |
| 27 | 15.50 | 25 | 21.80 | 23 | 26.00 | 28 | 13.70 |
| May 4 | 14.70 | Aug. 1 | 22.80 | 30 | 25.70 | Feb. 4 | 14.80 |
| 11 | 15.00 | 8 | 22.17 | Nov. 6 | 26.20 | 11 | 14.18 |
| 18 | 12.70 | 15 | 23.10 | 13 | 26.00 | 18 | 14.00 |
| 25 | 13.27 | 22 | 23.38 | 20 | 25.18 | 25 | 14.20 |
| June 1 | 14.10 | 29 | 23.80 | 27 | 26.00 | Mar. 4 | 13.80 |
| 8 | 15.80 | Sept. 5 | 24.47 | Dec. 4 | 24.20 | 11 | 13.00 |
| 15 | 16.20 | 12 | 25.00 | 11 | 23.70 | 18 | 12.80 |
| 22 | 19.17 | 19 | 25.28 | 18 | 23.00 | 25 | 12.17 |
| 29 | 18.70 | 26 | 25.70 | 25 | 21.00 | 31 | 13.16 |
| July 6 | 20.30 | Oct. 3 | 25.26 | 31 | 20.20 | Apr. 8 | 13.18 |
| 13 | 19.70 | 10 | 25.57 | Jan. 8, 1966 | 15.10 | 15 | 13.00 |
| 20 | 21.50 | 17 | 26.00 | 15 | 14.37 | 22 | 13.10 |
| 27 | 21.68 | 24 | 26.16 | 22 | 13.08 | 29 | 12.00 |
| Aug. 3 | 21.90 | 31 | 25.70 | 29 | 17.17 | May 6 | 11.57 |
| 10 | 22.70 | Nov. 7 | 26.10 | Feb. 5 | 16.37 | 13 | 11.10 |
| 17 | 23.50 | 14 | 26.90 | 12 | 12.00 | 20 | 14.20 |
| 24 | 24.00 | 21 | 26.28 | 19 | 11.69 | 27 | 15.70 |
| 31 | 22.30 | 28 | 25.48 | 26 | 10.00 | June 3 | 16.80 |
| Sept. 7 | 22.00 | Dec. 5 | 25.00 | Mar. 5 | 12.20 | 10 | 18.00 |
| 14 | 20.68 | 12 | 25.18 | 12 | 12.00 | 17 | 16.70 |
| 21 | 20.37 | 19 | 24.46 | 19 | 14.40 | 24 | 17.17 |
| 28 | 20.00 | 26 | 22.17 | 26 | 14.87 | 30 | 17.00 |
| Oct. 5 | 22.10 | Jan. 2, 1965 | 15.47 | Apr. 2 | 15.17 | July 8 | 16.20 |
| 12 | 23.00 | 9 | 13.70 | 9 | 16.20 | 15 | 16.00 |
| 19 | 23.67 | 16 | 13.27 | 16 | 17.68 | 22 | 15.70 |
| 26 | 24.00 | 23 | 15.00 | 23 | 16.62 | 29 | 16.80 |
| Nov. 2 | 23.18 | 30 | 15.07 | 30 | 12.27 | Aug. 5 | 17.00 |
| 9 | 22.80 | Feb. 6 | 12.06 | May 7 | 13.70 | 12 | 16.47 |
| 16 | 22.17 | 13 | 12.96 | 14 | 15.00 | 19 | 20.16 |
| 23 | 21.60 | 20 | 14.47 | 21 | 16.17 | 26 | 19.70 |
| 30 | 13.70 | 27 | 15.56 | 28 | 16.70 | Sept. 2 | 17.70 |
| Dec. 7 | 13.00 | Mar. 6 | 13.17 | June 4 | 17.69 | 9 | 18.19 |
| 14 | 14.20 | 13 | 14.10 | 11 | 18.37 | 16 | 19.70 |
| 21 | 15.70 | 20 | 14.00 | 18 | 19.35 | 23 | 19.10 |
| 28 | 15.17 | 27 | 14.57 | 25 | 19.70 | Oct. 7 | 21.27 |
| Jan. 4, 1964 | 16.17 | Apr. 3 | 14.90 | July 2 | 20.27 | 14 | 21.00 |
| 11 | 14.70 | 10 | 15.16 | 9 | 21.20 | 21 | 19.00 |
| 18 | 11.50 | 17 | 15.20 | 16 | 20.38 | 28 | 18.30 |
| 25 | 13.00 | 24 | 15.00 | 25 | 22.20 | Nov. 4 | 13.90 |
| 31 | 14.70 | May 1 | 15.17 | Aug. 6 | 23.00 | 11 | 14.17 |
| Feb. 8 | 15.17 | 8 | 15.90 | 13 | 22.05 | 18 | 15.70 |
| 15 | 17.15 | 15 | 17.20 | 20 | 22.30 | 25 | 14.20 |
| 22 | 14.20 | 22 | 16.92 | 27 | 23.00 | Dec. 2 | 11.80 |
| 29 | 12.57 | 26 | 22.57 | Sept. 3 | 24.10 | 9 | 14.00 |
| Mar. 7 | 13.16 | June 5 | 20.60 | 10 | 24.80 | 16 | 12.70 |
| 14 | 13.64 | 12 | 21.00 | 18 | 24.20 | 23 | 14.20 |
| 21 | 12.08 | 19 | 21.17 | 24 | 23.68 | 30 | 16.61 |
| 28 | 14.28 | 26 | 21.80 | 30 | 24.00 | | |

403622N0760538.1. Local number Sc-5. George Mengle. Near Auburn. 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 dry, Nov. 23, 1965. Records available: 1948-65. Measurement discontinued.

403622N0760538.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|----------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 1, 1963 | 26.22 | Sept. 20, 1963 | 28.71 | June 24, 1964 | 25.97 | Mar. 24, 1965 | 27.31 |
| Feb. 7 | 25.54 | Oct. 25 | 29.14 | July 23 | 26.00 | Apr. 27 | 27.68 |
| 28 | 27.01 | Nov. 22 | 29.31 | Aug. 25 | 28.16 | May 25 | 27.90 |
| Mar. 27 | 24.89 | Dec. 19 | 23.74 | Sept. 22 | 28.94 | June 24 | 29.49 |
| Apr. 24 | 26.36 | Jan. 21, 1964 | 25.03 | Oct. 27 | 29.38 | July 27 | 30.33 |
| May 24 | 26.80 | Feb. 25 | 26.21 | Nov. 24 | 29.98 | Aug. 25 | 31.94 |
| June 25 | 27.01 | Mar. 25 | 25.01 | Dec. 22 | 29.69 | Sept. 24 | 32.67 |
| July 25 | 27.77 | Apr. 21 | 25.37 | Jan. 21, 1965 | 28.75 | Oct. 21 | 34.00 |
| Aug. 21 | 28.01 | May 22 | 25.01 | Feb. 25 | 28.09 | Nov. 23 | (f) |

f Dry.

Somerset County

400008N0791428.1. Local number So-2. Commonwealth of Pennsylvania. Laurel Hill State Park. Drilled unused artesian well in sandstone of Pottsville Group, diam 6 to 4 in, depth 450 ft, cased to 310. Lsd 2,037 ft above msl. MP top of casing, 1.43 ft above lsd. Highest water level 29.25 below lsd, May 8, 1967; lowest 35.97 below lsd, Aug. 21, 1937. Records available: 1937-67. Recording gage installed Mar. 9, 1964.

| | | | | | | | |
|---------------|-------|--------------|-------|--------------|-------|----------------|-------|
| Jan. 11, 1963 | 31.60 | Apr. 9, 1963 | 31.14 | July 1, 1963 | 30.97 | Sept. 23, 1963 | 32.47 |
| 18 | 31.69 | 19 | 31.14 | 11 | 31.07 | Oct. 1 | 33.11 |
| 23 | 31.60 | 25 | 31.22 | 18 | 31.29 | 8 | 33.03 |
| Feb. 1 | 31.80 | May 3 | 31.28 | 25 | 31.55 | 16 | 33.09 |
| 8 | 31.65 | 9 | 31.29 | Aug. 1 | 31.54 | 28 | 33.01 |
| 19 | 32.00 | 23 | 31.38 | 8 | 31.87 | Nov. 5 | 33.03 |
| 27 | 31.87 | 31 | 31.44 | 16 | 31.84 | 12 | 31.37 |
| Mar. 15 | 31.27 | June 11 | 31.33 | 22 | 31.94 | 21 | 32.91 |
| 19 | 31.34 | 17 | 31.47 | 30 | 32.04 | Dec. 5 | 32.72 |
| 28 | 31.27 | 20 | 31.58 | Sept. 9 | 32.17 | 12 | 31.37 |
| Apr. 4 | 31.21 | 24 | 31.04 | 16 | 32.27 | | |

Lowest water level for the day, from recorder graph, 1964

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|-----|--------|-------|--------|-------|-------|-------|------|-------|-------|------|------|------|
| 5 | | | | | | 30.2 | 30.5 | 30.7 | 31.2 | 31.6 | 32.0 | 31.9 |
| 10 | | | | | 29.9 | ..... | 30.5 | 30.8 | 31.3 | 31.7 | 32.1 | 32.0 |
| 15 | | | | | 30.0 | 30.5 | 30.6 | ..... | 31.5 | 31.7 | 32.1 | 31.7 |
| 20 | | | | | 30.0 | 30.2 | 30.7 | 30.9 | 31.5 | 31.8 | 32.2 | 31.7 |
| 25 | | | | | 30.1 | 30.4 | 30.7 | 31.0 | 31.6 | 31.9 | 32.2 | 31.5 |
| Eom | h32.37 | ..... | h31.37 | ..... | 30.2 | 30.5 | 30.7 | 31.1 | 31.5 | 31.9 | 32.0 | 31.5 |

1965

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|-------|-------|
| 5 | 31.33 | 30.90 | 30.64 | 30.04 | e30.2 | 30.50 | e31.0 | 31.60 | e32.0 | e32.2 | 32.12 | 31.60 |
| 10 | 31.19 | 30.75 | 30.55 | e30.4 | e30.2 | 30.60 | e31.1 | 31.63 | e32.1 | e32.0 | 32.08 | 31.63 |
| 15 | 31.14 | 30.80 | 30.58 | e30.3 | e30.2 | 30.70 | e31.2 | 31.76 | h32.03 | e31.1 | 31.96 | e31.4 |
| 20 | 31.05 | ..... | 30.56 | e30.2 | h30.37 | ..... | e31.38 | e31.8 | e32.1 | 32.24 | 31.85 | 31.44 |
| 25 | 30.87 | 30.71 | e30.5 | e30.2 | 30.30 | e30.8 | 31.42 | e31.8 | e32.1 | 32.10 | 31.78 | 31.44 |
| Eom | 30.85 | 30.66 | e30.4 | e30.1 | 30.40 | e30.9 | 31.58 | e31.9 | e32.2 | 32.11 | 31.76 | 31.45 |

1966

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 31.33 | 30.98 | 30.66 | 30.34 | 30.21 | 30.14 | 30.51 | 31.15 | 31.40 | 31.67 | 31.83 | 31.44 |
| 10 | 31.21 | 31.01 | 30.77 | 30.35 | 30.16 | 30.13 | 30.64 | 31.23 | 31.55 | 31.70 | 31.73 | 31.31 |
| 15 | 31.16 | 30.92 | 30.64 | 30.35 | 30.07 | 30.18 | 30.81 | 31.14 | 31.54 | 31.80 | 31.77 | 31.29 |
| 20 | 31.12 | 30.93 | 30.60 | 30.36 | 30.03 | 30.30 | 30.86 | 31.26 | 31.70 | 31.75 | 30.74 | 31.15 |
| 25 | 31.01 | 30.87 | 30.55 | 30.22 | 30.06 | 30.35 | 30.97 | 31.27 | 31.65 | 31.79 | 31.71 | 31.06 |
| Eom | 30.93 | 30.83 | 30.43 | 30.21 | 30.08 | 30.46 | 31.08 | 31.39 | 31.66 | 31.84 | 31.44 | 31.00 |

1967

| | | | | | | | | | | | | |
|-----|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 5 | 30.96 | 30.72 | 30.39 | 29.88 | 29.63 | ..... | ..... | ..... | ..... | 31.06 | 30.98 | ..... |
| 10 | 30.97 | 30.68 | 30.22 | 29.75 | 29.36 | 29.50 | ..... | ..... | ..... | 31.07 | 31.01 | ..... |
| 15 | 30.89 | 30.64 | 30.14 | 29.73 | 29.37 | 29.50 | ..... | ..... | ..... | 31.15 | 30.60 | ..... |
| 20 | ..... | 30.61 | 30.10 | 29.68 | 29.68 | ..... | 30.25 | ..... | ..... | 31.04 | ..... | 30.53 |
| 25 | 30.91 | 30.49 | 29.97 | 29.65 | ..... | ..... | ..... | ..... | ..... | 31.13 | ..... | 30.46 |
| Eom | 30.81 | 30.42 | 29.89 | 29.60 | e29.00 | ..... | ..... | ..... | 30.92 | 31.11 | ..... | 30.39 |

e Estimated.

h Tape measurement.

Sullivan County

413026N0763529.1. Local number Su-1. Carl D. Molyneux. Near Forksville. Dug unused water-table well in Catskill Formation, diam 48 in, depth 28 ft, cased with stone. Lsd 1,080 ft above msl. MP top of wooden cover, at lsd. Highest water level 18.11 below lsd, Dec. 2, 1950; lowest dry, many times during period of record. Records available: 1935-65. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|--------------|-------------|---------------|-------------|
| Jan. 5, 1963 | 25.44 | Mar. 9, 1963 | 24.34 | May 11, 1963 | 23.35 | July 20, 1963 | 24.63 |
| 12 | 26.28 | 16 | 22.58 | 18 | 23.64 | 27 | 25.18 |
| 19 | 24.86 | 23 | 22.09 | 25 | 24.28 | Aug. 3 | 25.64 |
| 26 | 25.28 | 30 | 22.16 | June 1 | 24.16 | 10 | 26.38 |
| Feb. 2 | 25.84 | Apr. 6 | 24.78 | 8 | 26.12 | 17 | (f) |
| 9 | 26.18 | 13 | 25.83 | 22 | 26.35 | 24 | (f) |
| 16 | 25.46 | 20 | 24.14 | 29 | 26.42 | 31 | (f) |
| 23 | 26.42 | 27 | 25.52 | July 6 | 26.28 | Sept. 7 | (f) |
| Mar. 2 | 26.70 | May 5 | 24.92 | 13 | 26.42 | 14 | (f) |

413026N0763529.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|----------------|-------------|---------------|-------------|--------------|-------------|---------------|-------------|
| Sept. 21, 1963 | (f) | Feb. 15, 1964 | 25.60 | July 4, 1964 | (f) | Nov. 21, 1964 | (f) |
| 28 | (f) | 22 | 26.23 | 11 | (f) | 28 | (f) |
| Oct. 12 | (f) | 29 | 26.42 | 18 | (f) | Dec. 5 | (f) |
| 19 | (f) | Mar. 7 | 20.67 | 25 | (f) | 12 | (f) |
| 26 | (f) | 14 | 22.08 | Aug. 1 | (f) | 19 | (f) |
| Nov. 2 | (f) | 21 | 23.13 | 8 | (f) | 26 | (f) |
| 11 | (f) | 28 | 24.38 | 15 | (f) | Jan. 2, 1965 | 26.28 |
| 18 | (f) | Apr. 4 | 25.17 | 23 | (f) | 9 | 25.04 |
| 23 | (f) | 11 | 26.04 | 29 | (f) | 16 | 25.28 |
| 30 | (f) | 18 | 24.65 | Sept. 7 | (f) | 23 | 26.07 |
| Dec. 7 | (f) | 25 | 24.18 | 12 | (f) | 30 | 26.44 |
| 14 | 25.88 | May 2 | 20.07 | 19 | (f) | Feb. 6 | (f) |
| 21 | 26.46 | 9 | 24.36 | 26 | (f) | 13 | 25.07 |
| 28 | (f) | 16 | 25.79 | Oct. 3 | (f) | 20 | 25.28 |
| Jan. 4, 1964 | (f) | 23 | (f) | 10 | (f) | 27 | 26.15 |
| 11 | 22.68 | 30 | (f) | 17 | (f) | Mar. 4 | 26.94 |
| 18 | 25.26 | June 6 | (f) | 24 | (f) | 6 | 26.68 |
| 25 | 22.44 | 13 | (f) | 31 | (f) | 13 | 26.46 |
| Feb. 1 | 24.07 | 20 | (f) | Nov. 7 | (f) | 20 | 26.33 |
| 8 | 24.09 | 27 | (f) | 14 | (f) | 27 | 25.07 |

f Dry.

413026N0763529.2. Local number Su-34. U.S. Geol. Survey. Near Forksville. Drilled observation water-table well in Catskill Formation, diam 6 in, depth 50 ft, cased to 34. Lad 1,080 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 17.87 below lsd, Mar. 16, 1967; lowest 31.12 below lsd, Sept. 4, 1966. Records available: 1965-67. Recording gage installed Apr. 6, 1965.

Lowest water level for the day, from recorder graph, 1965

| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | ..... | ..... | ..... | ..... | 25.58 | 27.50 | 29.17 | 28.82 | 27.84 | 26.26 | 27.97 | 26.22 |
| 10 | ..... | ..... | ..... | 25.71 | ..... | 28.16 | 29.07 | 27.58 | 28.57 | 23.60 | 28.02 | 27.17 |
| 15 | ..... | ..... | ..... | 25.83 | ..... | 28.75 | 29.21 | 27.37 | 28.41 | 24.99 | 28.07 | 27.14 |
| 20 | ..... | ..... | ..... | 25.30 | ..... | 28.85 | 29.35 | 27.97 | 28.78 | 26.68 | 27.80 | 27.38 |
| 25 | ..... | ..... | ..... | 24.80 | 27.80 | 28.83 | 29.54 | 26.65 | 28.54 | 26.86 | 27.56 | 27.70 |
| Eom | ..... | ..... | ..... | 25.54 | 28.14 | 29.19 | 30.03 | 27.56 | 26.44 | 27.47 | 25.72 | 26.77 |
| 1966 | | | | | | | | | | | | |
| 5 | 25.61 | 28.34 | 20.94 | 26.27 | 25.66 | 25.90 | 29.39 | 29.82 | 30.97 | 28.58 | 28.40 | 25.25 |
| 10 | 24.87 | ..... | 23.70 | 26.78 | 26.13 | 27.47 | 29.43 | 30.30 | 30.00 | 29.15 | 27.90 | 26.00 |
| 15 | 26.18 | ..... | 24.26 | 27.21 | 25.19 | 28.12 | 29.66 | 30.67 | 30.20 | 29.26 | 25.15 | 25.32 |
| 20 | 27.45 | 24.29 | 25.71 | 27.70 | 24.10 | 28.32 | 29.92 | 29.97 | 29.77 | 29.25 | 26.50 | 26.20 |
| 25 | 28.01 | 25.68 | 26.15 | 27.81 | 24.95 | 28.89 | 30.20 | 30.43 | 28.87 | 28.95 | 27.65 | 27.04 |
| Eom | 28.11 | 26.08 | 26.00 | 26.30 | 22.20 | 29.12 | 29.60 | 30.85 | 29.39 | 29.35 | 22.60 | 27.73 |
| 1967 | | | | | | | | | | | | |
| 5 | 27.85 | 24.63 | 27.54 | 25.32 | 25.75 | 27.68 | 28.91 | 24.95 | 27.17 | 28.67 | 21.03 | 24.90 |
| 10 | 27.38 | 25.53 | 27.05 | 25.55 | 22.55 | 28.30 | 29.07 | 22.55 | 28.04 | 28.99 | 24.88 | 24.80 |
| 15 | 27.32 | 26.40 | 21.05 | 26.35 | 24.08 | 28.59 | 26.67 | 25.45 | 28.40 | 28.63 | 25.63 | 23.75 |
| 20 | 27.86 | 25.97 | 23.20 | 26.75 | 24.10 | 28.72 | 27.90 | 26.90 | 28.87 | 24.88 | 26.12 | 25.40 |
| 25 | 27.45 | 26.85 | 24.35 | 26.97 | 26.25 | 28.30 | 27.97 | 26.18 | 28.59 | 25.75 | 25.98 | 26.52 |
| Eom | 24.55 | 27.36 | 23.45 | 25.93 | 26.86 | 28.78 | 25.97 | 25.65 | 28.57 | 25.00 | 25.44 | 27.40 |

Susquehanna County

415025N0755242.1. Local number Sq-1. Carlton Farm. Montrose. Dug unused water-table well in drift of Pleistocene age, diam 48 in, depth 38 ft, cased with stone. Lad 1,690 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: 1930-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|--------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 6, 1963 | 6.25 | June 1, 1963 | 4.50 | Oct. 23, 1963 | 9.40 | Mar. 27, 1964 | 3.40 |
| 13 | 5.95 | 8 | 5.15 | Nov. 2 | 9.00 | Apr. 4 | 3.90 |
| 21 | 5.30 | 15 | 1.87 | 7 | 9.12 | 11 | 3.70 |
| 26 | 5.70 | 22 | 6.05 | 16 | 9.20 | 16 | 3.70 |
| Feb. 2 | 6.10 | 29 | 6.78 | 23 | 9.30 | 23 | 3.10 |
| 9 | 6.70 | July 8 | 7.25 | 30 | 9.35 | May 2 | 2.40 |
| 16 | 7.00 | 15 | 7.70 | Dec. 6 | 9.05 | 9 | 3.90 |
| 23 | 7.60 | 20 | 8.00 | 14 | 8.40 | 15 | 4.50 |
| Mar. 4 | 7.85 | 29 | 6.35 | 21 | 8.20 | 23 | 6.50 |
| 10 | 8.20 | Aug. 2 | 6.15 | 28 | 8.10 | 30 | 6.90 |
| 16 | 7.20 | 11 | 6.90 | Jan. 4, 1964 | 8.10 | June 6 | 8.10 |
| 24 | 3.90 | 17 | 7.70 | 11 | 7.60 | 12 | 8.40 |
| 30 | 2.90 | 23 | 8.20 | 19 | 7.20 | 20 | 8.00 |
| Apr. 6 | 3.80 | 31 | 8.40 | Feb. 2 | 4.00 | 30 | 8.30 |
| 13 | 4.20 | Sept. 7 | 8.65 | 9 | 4.10 | July 3 | 8.00 |
| 20 | 5.25 | 14 | 8.90 | 15 | 4.65 | 11 | 9.15 |
| 28 | 5.90 | 21 | 8.95 | 23 | 5.95 | 20 | 9.00 |
| May 4 | 5.95 | 28 | 9.90 | 29 | 6.25 | 25 | 9.20 |
| 11 | 5.80 | Oct. 5 | 9.10 | Mar. 8 | 3.10 | Aug. 3 | 9.10 |
| 18 | 5.36 | 12 | 9.40 | 14 | 3.20 | 10 | 9.40 |
| 25 | 4.60 | 19 | 9.10 | 21 | 3.70 | 17 | 9.60 |

415025N0755242.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Aug. 24, 1964 | 9.40 | May 2, 1965 | 3.40 | Mar. 21, 1966 | 4.56 | Dec. 26, 1966 | 7.06 |
| 28 | 9.65 | 9 | 3.70 | 28 | 3.00 | Jan. 1, 1967 | 6.30 |
| Sept. 7 | 9.15 | 16 | 3.50 | Apr. 13 | 4.07 | 13 | 6.37 |
| 14 | 9.70 | 24 | 4.90 | 23 | 5.03 | 23 | 6.95 |
| 19 | 9.40 | June 1 | 5.40 | 30 | 5.13 | 30 | 3.19 |
| Oct. 5 | 10.20 | 7 | 5.40 | May 24 | 4.78 | Feb. 10 | 4.28 |
| 12 | 9.90 | 14 | 5.90 | June 7 | 5.90 | Mar. 4 | 5.70 |
| 19 | 9.85 | 21 | 6.00 | 17 | 6.35 | 13 | 5.14 |
| 26 | 10.40 | 28 | 6.40 | 23 | 6.95 | 20 | 4.15 |
| Nov. 2 | 10.60 | July 5 | 6.80 | 27 | 7.00 | 25 | 3.60 |
| 9 | 10.60 | 11 | 7.20 | July 6 | 7.85 | Apr. 4 | 1.67 |
| 14 | 10.60 | 19 | 7.20 | 11 | 8.10 | 13 | 2.47 |
| 23 | 10.60 | 26 | 7.30 | 18 | 8.50 | 23 | 3.33 |
| Dec. 1 | 10.40 | Aug. 2 | 3.30 | 25 | 8.60 | May 2 | 3.58 |
| 14 | 11.00 | 9 | 7.30 | Aug. 1 | 8.50 | 11 | 3.08 |
| 25 | 9.70 | 23 | 7.80 | 8 | 8.65 | 20 | 3.25 |
| 31 | 10.40 | Sept. 8 | 7.60 | 16 | 8.70 | 26 | 3.07 |
| Jan. 9, 1965 | 9.50 | 15 | 7.70 | 28 | 8.75 | June 10 | 5.39 |
| 16 | 9.70 | 25 | 7.70 | 31 | 8.80 | 24 | 5.94 |
| 23 | 10.10 | 30 | 7.10 | Sept. 6 | 8.85 | July 6 | 5.30 |
| 30 | 9.60 | Oct. 8 | 7.83 | 12 | 8.90 | 14 | 5.69 |
| Feb. 7 | 8.50 | 13 | 7.05 | 21 | 9.00 | 22 | 6.37 |
| 14 | 6.70 | Nov. 12 | 8.00 | 28 | 9.88 | 31 | 6.87 |
| 22 | 6.20 | Dec. 1 | 6.95 | Oct. 6 | 9.62 | Aug. 8 | 5.42 |
| Mar. 1 | 6.00 | Jan. 7, 1966 | 6.05 | 14 | 9.56 | 15 | 4.46 |
| 8 | 5.40 | 13 | 6.68 | 21 | 9.51 | 22 | 5.38 |
| 15 | 5.40 | 19 | 6.90 | 28 | 9.47 | Sept. 9 | 5.62 |
| 22 | 6.10 | 27 | 7.35 | Nov. 4 | 9.41 | 26 | 7.18 |
| 28 | 5.70 | Feb. 2 | 7.95 | 11 | 9.39 | Oct. 25 | 5.95 |
| Apr. 5 | 5.40 | 11 | 8.45 | 22 | 9.04 | Nov. 28 | 3.18 |
| 11 | 4.20 | 21 | 6.45 | Dec. 1 | 8.70 | Dec. 6 | 2.90 |
| 18 | 2.90 | Mar. 7 | 4.95 | 10 | 7.51 | 14 | 2.90 |
| 25 | 3.20 | 14 | 4.90 | 17 | 6.10 | 21 | 3.14 |

Tioga County

414510N0773333.1. Local number Ti-1. Mrs. Ruth K. Wilson. Gaines. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in, 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 22.04 below lsd, Nov. 6, 1963. Records available: 1935-67.

| | | | | | | | |
|--------------|-------|---------------|-------|--------------|-------|---------------|-------|
| Jan. 5, 1963 | 17.90 | Oct. 12, 1963 | 20.53 | July 4, 1964 | 18.97 | Apr. 10, 1965 | 11.08 |
| 12 | 18.13 | 19 | 20.77 | 11 | 19.17 | 17 | 11.00 |
| 19 | 15.87 | 24 | 20.83 | 18 | 19.45 | 24 | 8.92 |
| 26 | 15.80 | 26 | 20.90 | 25 | 19.95 | May 1 | 8.85 |
| Feb. 2 | 16.75 | Nov. 2 | 20.98 | Aug. 1 | 20.35 | 8 | 9.07 |
| 9 | 17.48 | 6 | 22.04 | 8 | 19.15 | 15 | 9.70 |
| 16 | 18.00 | 9 | 17.40 | 15 | 19.18 | 22 | 11.75 |
| 23 | 18.30 | 16 | 17.60 | 22 | 19.60 | 29 | 14.43 |
| Mar. 2 | 18.68 | 23 | 18.21 | 27 | 19.80 | June 5 | 14.09 |
| 9 | 17.95 | 30 | 14.64 | Sept. 5 | 20.31 | 12 | 13.32 |
| 16 | 4.93 | Dec. 7 | 12.59 | 12 | 20.75 | 19 | 15.37 |
| 23 | 5.58 | 14 | 12.59 | 19 | 21.00 | 26 | 17.50 |
| 30 | 5.81 | 21 | 13.70 | 26 | 21.00 | July 3 | 18.28 |
| Apr. 6 | 7.40 | 28 | 15.09 | Oct. 3 | 21.09 | 10 | 18.36 |
| 13 | 10.30 | Jan. 4, 1964 | 16.65 | 10 | 21.09 | 17 | 18.75 |
| 20 | 10.62 | 11 | 15.65 | 17 | 21.12 | 24 | 18.85 |
| 27 | 10.79 | 18 | 13.25 | 24 | 21.18 | 31 | 18.40 |
| May 4 | 11.75 | 25 | 12.93 | 31 | 21.19 | Aug. 7 | 17.69 |
| 11 | 12.55 | Feb. 1 | 9.84 | Nov. 7 | 21.24 | 14 | 18.73 |
| 18 | 13.47 | 8 | 10.49 | 14 | 21.40 | 21 | 19.10 |
| 25 | 13.53 | 15 | 12.87 | 21 | 21.50 | 28 | 19.50 |
| June 1 | 14.47 | 22 | 14.80 | 28 | 21.00 | Sept. 4 | 19.50 |
| 8 | 16.15 | 29 | 15.94 | Dec. 5 | 20.35 | 11 | 19.85 |
| 15 | 17.24 | Mar. 7 | 4.99 | 12 | 21.20 | 18 | 19.85 |
| 22 | 17.35 | 14 | 5.18 | 19 | 17.80 | 25 | 20.40 |
| 29 | 18.26 | 21 | 6.14 | 26 | 18.13 | Oct. 2 | 20.70 |
| July 6 | 18.04 | 28 | 6.84 | Jan. 2, 1965 | 17.25 | 9 | 19.55 |
| 13 | 18.37 | Apr. 4 | 7.14 | 9 | 16.49 | 16 | 19.48 |
| 20 | 18.07 | 11 | 7.84 | 16 | 16.25 | 23 | 19.48 |
| 27 | 18.40 | 18 | 9.76 | 23 | 16.88 | 30 | 18.98 |
| Aug. 3 | 18.84 | 25 | 6.40 | 30 | 17.10 | Nov. 6 | 19.83 |
| 10 | 19.17 | May 2 | 6.78 | Feb. 6 | 17.75 | 13 | 20.37 |
| 17 | 19.65 | 9 | 8.18 | 13 | 12.88 | 20 | 19.46 |
| 24 | 20.23 | 16 | 11.62 | 20 | 9.57 | 27 | 17.68 |
| 31 | 20.47 | 23 | 14.23 | 27 | 10.23 | Dec. 4 | 16.25 |
| Sept. 7 | 20.30 | 30 | 16.58 | Mar. 6 | 10.67 | 11 | 17.68 |
| 14 | 20.19 | June 6 | 17.18 | 13 | 10.58 | 18 | 18.00 |
| 21 | 19.86 | 13 | 16.93 | 20 | 10.50 | 25 | 18.52 |
| 28 | 19.86 | 20 | 18.15 | 27 | 11.80 | Jan. 1, 1966 | 18.15 |
| Oct. 5 | 20.14 | 27 | 18.86 | Apr. 3 | 11.73 | 8 | 14.97 |

414510N0773333.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 15, 1966 | 13.60 | July 16, 1966 | 17.55 | Jan. 14, 1967 | 18.55 | July 15, 1967 | 18.08 |
| 22 | 15.59 | 23 | 18.10 | 21 | 19.15 | 22 | 17.11 |
| 29 | 16.80 | 30 | 19.18 | 28 | 19.75 | 29 | 17.50 |
| Feb. 5 | 17.34 | Aug. 6 | 19.98 | Feb. 4 | 18.05 | Aug. 5 | 17.00 |
| 12 | 16.77 | 13 | 20.30 | 11 | 17.43 | 12 | 17.45 |
| 19 | 6.75 | 20 | 20.75 | 18 | 16.94 | 19 | 18.25 |
| 26 | 8.88 | 27 | 20.75 | 25 | 16.82 | 26 | 18.49 |
| Mar. 5 | 5.38 | Sept. 3 | 20.95 | Mar. 4 | 17.58 | Sept. 2 | 15.78 |
| 12 | 6.60 | 10 | 21.87 | 11 | 15.89 | 9 | 17.55 |
| 19 | 6.70 | 17 | 20.85 | 18 | 10.30 | 16 | 18.48 |
| 26 | 7.10 | 24 | 20.31 | 25 | 9.23 | 23 | 18.85 |
| Apr. 2 | 8.40 | Oct. 1 | 19.94 | Apr. 1 | 8.40 | 30 | 16.14 |
| 9 | 8.23 | 8 | 19.33 | 8 | 7.90 | Oct. 7 | 16.83 |
| 16 | 12.29 | 15 | 19.90 | 15 | 9.72 | 14 | 18.55 |
| 23 | 12.22 | 22 | 20.15 | 22 | 10.25 | 21 | 13.86 |
| 30 | 11.89 | 29 | 20.52 | 29 | 11.28 | 28 | 11.47 |
| May 7 | 9.74 | Nov. 5 | 20.75 | May 6 | 11.65 | Nov. 4 | 11.55 |
| 14 | 8.25 | 12 | 19.49 | 13 | 8.58 | 11 | 12.53 |
| 21 | 8.60 | 19 | 18.80 | 20 | 6.86 | 18 | 13.88 |
| 28 | 11.75 | 26 | 18.80 | 27 | 10.72 | 25 | 12.93 |
| June 4 | 12.85 | Dec. 3 | 13.50 | June 3 | 13.95 | Dec. 2 | 13.41 |
| 11 | 14.92 | 10 | 14.10 | 10 | 16.35 | 9 | 14.13 |
| 17 | 16.25 | 17 | 14.45 | 17 | 17.75 | 18 | 12.65 |
| 25 | 16.69 | 24 | 15.70 | 24 | 17.55 | 23 | 13.70 |
| July 2 | 17.40 | 31 | 16.74 | July 1 | 17.67 | 30 | 15.90 |
| 9 | 17.45 | Jan. 7, 1967 | 17.72 | 8 | 17.38 | | |

Washington County

400220N0801217.1. Local number Ws-1. Floyd King. Amity. Dug used domestic water-table well in limestone of Washington Formation, 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 dry, July 17, 1965. Records available: 1936-67.

| | | | | | | | |
|--------------|-------|---------------|-------|---------------|-------|----------------|-------|
| Jan. 5, 1963 | 22.84 | Nov. 30, 1963 | 28.81 | Oct. 24, 1964 | 23.81 | Sept. 18, 1965 | 33.83 |
| 12 | 19.74 | Dec. 7 | 27.85 | 31 | 23.85 | 25 | 32.89 |
| 19 | 21.81 | 14 | 27.81 | Nov. 7 | 23.88 | Oct. 2 | 32.90 |
| 26 | 19.86 | 21 | 27.84 | 14 | 24.81 | 9 | 33.81 |
| Feb. 2 | 20.61 | 28 | 27.84 | 21 | 23.85 | 16 | 33.81 |
| 9 | 17.84 | Jan. 7, 1964 | 26.81 | 28 | 22.87 | 23 | 33.81 |
| 16 | 18.84 | 14 | 24.84 | Dec. 5 | 22.82 | 30 | 32.91 |
| 23 | 18.30 | 18 | 24.83 | 12 | 19.85 | Nov. 6 | 33.83 |
| Mar. 2 | 17.88 | 25 | 23.23 | 19 | 19.81 | 13 | 33.83 |
| 9 | 11.81 | Feb. 1 | 21.83 | 26 | 21.82 | 20 | 33.82 |
| 16 | 12.86 | 8 | 22.83 | Jan. 2, 1965 | 15.84 | 27 | 33.81 |
| 23 | 11.83 | 15 | 22.83 | 9 | 14.86 | Dec. 4 | 33.81 |
| 30 | 16.84 | 22 | 22.81 | 16 | 14.81 | 11 | 33.82 |
| Apr. 6 | 17.81 | 28 | 22.81 | 23 | 15.90 | 18 | 32.89 |
| 13 | 19.83 | Mar. 7 | 20.83 | 30 | 13.89 | 25 | 33.81 |
| 20 | 18.87 | 14 | 11.83 | Feb. 6 | 15.88 | Jan. 1, 1966 | 30.89 |
| 27 | 20.63 | 21 | 11.84 | 13 | 11.85 | 8 | 24.89 |
| May 4 | 20.86 | 28 | 13.88 | 20 | 15.81 | 15 | 25.81 |
| 11 | 21.86 | Apr. 4 | 11.90 | 27 | 11.82 | 22 | 24.90 |
| 18 | 21.84 | 11 | 12.81 | Mar. 6 | 11.85 | 29 | 24.81 |
| 25 | 22.81 | 18 | 14.81 | 13 | 11.86 | Feb. 5 | 24.84 |
| June 1 | 22.84 | 25 | 11.86 | 20 | 11.87 | 12 | 10.81 |
| 8 | 22.81 | May 2 | 10.81 | 27 | 10.83 | 19 | 14.81 |
| 15 | 22.83 | 9 | 14.81 | Apr. 3 | 11.85 | 26 | 18.81 |
| 22 | 22.84 | 16 | 14.84 | 10 | 10.65 | Mar. 5 | 15.89 |
| 29 | 22.87 | 23 | 17.86 | 18 | 10.89 | 12 | 15.90 |
| July 6 | 22.86 | 30 | 16.91 | 24 | 11.89 | 19 | 15.90 |
| 13 | 22.87 | June 6 | 14.89 | May 1 | 13.84 | 26 | 15.20 |
| 20 | 22.84 | 13 | 16.83 | 8 | 15.84 | Apr. 2 | 15.81 |
| 27 | 22.84 | 20 | 17.86 | 15 | 15.88 | 9 | 15.83 |
| Aug. 3 | 22.83 | 27 | 17.84 | 22 | 16.82 | 16 | 15.89 |
| 10 | 22.86 | July 4 | 20.88 | 29 | 15.82 | 23 | 16.81 |
| 17 | 22.69 | 11 | 20.86 | June 5 | 16.81 | 30 | 10.97 |
| 24 | 23.83 | 16 | 20.84 | 12 | 16.82 | May 7 | 11.87 |
| 31 | 23.85 | 25 | 21.86 | 19 | 19.85 | 14 | 10.88 |
| Sept. 7 | 24.86 | Aug. 1 | 21.90 | 26 | 20.81 | 21 | 14.81 |
| 14 | 25.81 | 8 | 21.85 | July 3 | 20.82 | 28 | 15.84 |
| 21 | 26.84 | 15 | 22.81 | 10 | 32.81 | June 4 | 16.89 |
| 27 | 26.83 | 22 | 21.90 | 17 | (f) | 11 | 17.86 |
| Oct. 5 | 26.83 | Sept. 2 | 22.81 | 24 | 33.85 | 18 | 18.89 |
| 12 | 26.85 | 9 | 22.84 | 31 | 33.87 | 25 | 21.81 |
| 19 | 26.90 | 12 | 22.84 | Aug. 7 | 33.81 | July 2 | 23.81 |
| 26 | 27.85 | 19 | 22.84 | 14 | 33.82 | 9 | 23.88 |
| Nov. 2 | 28.81 | 26 | 22.85 | 21 | 33.81 | 19 | 25.81 |
| 9 | 27.85 | Oct. 3 | 22.81 | 28 | 33.82 | 23 | 26.88 |
| 16 | 28.82 | 10 | 22.84 | Sept. 4 | 33.81 | 30 | 26.81 |
| 23 | 28.85 | 17 | 22.88 | 11 | 33.81 | Aug. 6 | 24.83 |

400220N0801217.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Aug. 13, 1966 | 24.89 | Dec. 24, 1966 | 25.81 | Apr. 29, 1967 | 12.81 | Sept. 2, 1967 | 27.81 |
| 20 | 23.87 | 31 | 26.83 | May 6 | 9.83 | 9 | 27.81 |
| 27 | 23.83 | Jan. 7, 1967 | 26.85 | 13 | 9.81 | 16 | 27.84 |
| Sept. 3 | 24.90 | 14 | 27.81 | 20 | 8.81 | 23 | 27.84 |
| 10 | 26.81 | 21 | 27.85 | 27 | 12.88 | 30 | 27.81 |
| 17 | 26.81 | 28 | 27.87 | June 3 | 13.81 | Oct. 7 | 27.85 |
| 24 | 25.87 | Feb. 4 | 24.85 | 10 | 14.85 | 14 | 27.81 |
| Oct. 1 | 25.84 | 11 | 24.83 | 17 | 14.89 | 21 | 27.82 |
| 8 | 27.81 | 18 | 23.81 | 24 | 16.85 | 25 | 27.85 |
| 15 | 28.83 | 25 | 22.86 | July 1 | 19.81 | Nov. 4 | 27.81 |
| 22 | 28.85 | Mar. 4 | 21.85 | 8 | 21.81 | 11 | 28.89 |
| 29 | 28.87 | 11 | 21.81 | 15 | 22.84 | 18 | 27.69 |
| Nov. 5 | 28.82 | 17 | 13.81 | 22 | 24.44 | 25 | 25.87 |
| 12 | 25.85 | 25 | 13.83 | 29 | 17.98 | Dec. 2 | 25.81 |
| 19 | 27.81 | Apr. 1 | 13.85 | Aug. 5 | 21.81 | 9 | 20.69 |
| 26 | 27.85 | 8 | 11.85 | 12 | 21.89 | 16 | 20.85 |
| Dec. 3 | 23.81 | 15 | 13.81 | 19 | 28.89 | 23 | 21.89 |
| 10 | 23.85 | 22 | 11.82 | 26 | 28.81 | 30 | 21.81 |
| 18 | 23.81 | | | | | | |

f Dry.

Wayne County

412912N0751115.1. Local number Wn-1. Arthur H. Tyce. Near Hawley. Well point in unused water-table well in sand and gravel of Pleistocene age, diam $1\frac{1}{4}$ in, depth 19 ft, cased to 14, screened 14-19. Lsd 920 ft above msl. MP top of casing, 3.52 ft above lsd. Highest water level 0.67 below lsd, Apr. 5, 1958; lowest dry, many times during period of record. Records available: 1931-42, 1944-66. Well filled in by owner September, 1966; measurement discontinued.

| | | | | | | | |
|--------------|-------|----------------|-------|--------------|-------|---------------|-------|
| Jan. 5, 1963 | (f) | Sept. 21, 1963 | (f) | May 9, 1964 | 8.91 | Jan. 9, 1965 | 15.40 |
| 12 | (f) | 28 | (f) | 16 | 9.18 | 16 | 15.23 |
| 19 | 10.99 | Oct. 3 | (f) | 23 | 9.87 | 23 | 15.24 |
| Feb. 26 | 10.69 | 10 | 15.36 | 30 | 10.53 | Feb. 6 | 15.18 |
| 2 | 10.41 | 12 | 14.46 | June 6 | 10.79 | 13 | 14.51 |
| 9 | 10.05 | 19 | 14.71 | 13 | 11.04 | 20 | 14.34 |
| 16 | 10.18 | 26 | 14.86 | 20 | 11.46 | 27 | 14.23 |
| 23 | 10.31 | Nov. 2 | 15.02 | 27 | 11.92 | Mar. 1 | 14.23 |
| Mar. 2 | 10.61 | 7 | 15.42 | July 4 | 12.39 | 6 | 14.23 |
| 23 | 10.03 | 9 | 14.46 | 11 | 12.85 | 13 | 14.00 |
| 30 | 3.72 | 16 | 14.97 | 18 | 13.00 | 20 | 13.30 |
| Apr. 6 | 4.80 | 23 | 14.83 | 25 | 13.30 | June 13 | 13.23 |
| 13 | 6.39 | 30 | 14.89 | Aug. 1 | 13.91 | July 26 | 14.71 |
| 20 | 7.11 | Dec. 7 | 15.12 | 8 | 14.15 | Aug. 5 | 15.92 |
| 27 | 7.96 | 14 | 14.56 | 15 | 14.35 | 12 | 16.48 |
| May 4 | 8.41 | 21 | 14.05 | 22 | 14.89 | 19 | 16.48 |
| 11 | 8.14 | 28 | 14.10 | 29 | 14.97 | 25 | 17.18 |
| 18 | 8.75 | Jan. 4, 1964 | 14.02 | Sept. 5 | 14.75 | Sept. 2 | 16.40 |
| 25 | 9.06 | 11 | 13.56 | 12 | 14.91 | 9 | 16.38 |
| June 1 | 9.56 | 18 | 13.03 | 19 | 15.03 | 16 | 15.28 |
| 8 | 9.85 | 25 | 12.31 | 26 | 15.19 | Nov. 15 | 14.48 |
| 15 | 10.07 | Feb. 1 | 12.03 | Oct. 3 | 15.23 | Dec. 29 | 15.68 |
| 22 | 10.20 | 8 | 11.43 | 10 | 15.25 | Jan. 17, 1966 | 13.46 |
| 29 | 10.50 | 15 | 11.61 | 17 | 15.46 | 27 | 10.86 |
| July 6 | 11.58 | 22 | 11.81 | 24 | 15.73 | Feb. 15 | 12.47 |
| 13 | 11.90 | 29 | 11.92 | 31 | 15.93 | Mar. 14 | 12.40 |
| 20 | (f) | Mar. 7 | 12.00 | Nov. 7 | 15.69 | 28 | 13.92 |
| 27 | (f) | 14 | 6.70 | 14 | 15.78 | Apr. 22 | 11.41 |
| Aug. 3 | (f) | 21 | 8.33 | 21 | 15.77 | May 26 | 10.48 |
| 10 | (f) | 28 | 8.53 | 28 | 15.81 | June 21 | 10.68 |
| 17 | (f) | Apr. 4 | 8.52 | Dec. 5 | 15.79 | July 19 | 13.46 |
| 24 | (f) | 11 | 8.73 | 12 | 15.77 | 26 | (f) |
| 31 | (f) | 18 | 8.81 | 19 | 15.70 | Aug. 2 | (f) |
| Sept. 7 | (f) | 25 | 8.63 | 26 | 16.62 | 25 | 15.40 |
| 14 | (f) | May 2 | 8.50 | Jan. 1, 1965 | 15.53 | | |

f Dry.

j New well point installed.

York County

400317N0764520.1. Local number Yo-180. New York Wire Cloth Co. Near Zions View. 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, at lsd. Highest water level 24.22 below lsd, May 4, 1964; lowest 37.55 below lsd, Nov. 3, 4, 1963. Records available: 1962-67.

400317N0764520.1--Continued.

| Lowest water level for the day, from recorder graph, 1963 | | | | | | | | | | | | |
|---|--------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|
| Day | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| 5 | 32.57 | 31.76 | 30.60 | 29.55 | 33.15 | 34.94 | 35.94 | 36.40 | 36.82 | 36.91 | 37.53 | 35.65 |
| 10 | 33.06 | 31.45 | 29.88 | 30.10 | 33.66 | 34.74 | 36.18 | 36.50 | 36.97 | 37.00 | 36.66 | 35.15 |
| 15 | 32.20 | 31.60 | 29.65 | 30.97 | 34.05 | 34.76 | 35.66 | 36.67 | 37.13 | 37.11 | 36.79 | 34.55 |
| 20 | 31.69 | 31.52 | 28.95 | 31.63 | 34.37 | ..... | 35.60 | 36.80 | 37.20 | 37.21 | 36.99 | 34.37 |
| 25 | 31.53 | 31.55 | 29.11 | 32.24 | 34.51 | 35.42 | ..... | 36.54 | 37.33 | 37.33 | 37.03 | 34.42 |
| Eom | 31.85 | 31.85 | 29.05 | 32.70 | 34.91 | 35.68 | 36.24 | 36.65 | 37.22 | 37.45 | 36.65 | 34.87 |
| 1964 | | | | | | | | | | | | |
| 5 | 34.96 | 30.23 | ..... | 26.87 | 24.30 | 32.26 | 34.86 | 35.97 | 36.86 | 36.24 | 36.88 | 37.00 |
| 10 | 33.54 | 29.91 | ..... | 27.05 | 24.70 | 32.50 | 35.06 | 36.10 | 36.96 | 36.55 | 37.06 | 36.52 |
| 15 | 32.80 | 29.88 | ..... | 26.90 | 26.35 | 33.05 | 34.94 | 36.22 | 37.09 | 36.76 | 37.24 | 36.12 |
| 20 | e32.36 | 29.57 | 27.30 | 26.42 | e28.50 | 33.50 | 35.22 | 36.30 | 37.15 | 36.65 | 37.33 | ..... |
| 25 | 31.33 | ..... | 26.77 | 25.17 | 29.97 | e33.92 | 35.51 | 36.47 | 37.15 | 36.43 | 37.35 | ..... |
| Eom | 30.50 | ..... | 26.25 | 25.05 | 31.35 | 34.45 | 35.87 | 36.65 | 36.90 | 36.60 | 36.99 | ..... |
| 1965 | | | | | | | | | | | | |
| 5 | ..... | 32.82 | 30.97 | 28.92 | 32.65 | 34.47 | 36.20 | 36.18 | 35.77 | 36.14 | 36.52 | 36.86 |
| 10 | ..... | 31.92 | 29.65 | 29.55 | 33.07 | 34.82 | 36.40 | 35.87 | 36.06 | ..... | 36.65 | 37.07 |
| 15 | ..... | 31.17 | 29.68 | 30.20 | 33.67 | 35.20 | 35.75 | 35.93 | 35.96 | ..... | 36.75 | 37.02 |
| 20 | ..... | 31.10 | 29.70 | 30.75 | 34.00 | 35.47 | 36.00 | 36.26 | 36.03 | ..... | 36.82 | ..... |
| 25 | ..... | 31.15 | 29.72 | 31.30 | 34.24 | 35.82 | 36.17 | 35.60 | 36.25 | 36.09 | 36.87 | ..... |
| Eom | ..... | 31.05 | 29.15 | 31.95 | 34.23 | 36.00 | 36.46 | 35.45 | 35.35 | 36.24 | 36.85 | ..... |
| 1966 | | | | | | | | | | | | |
| 5 | ..... | 36.60 | 31.55 | 32.54 | 29.65 | 32.92 | 35.86 | 36.65 | 36.97 | 34.77 | 35.60 | 34.00 |
| 10 | ..... | 36.75 | 31.50 | 33.10 | 29.37 | 33.60 | 36.03 | 36.81 | 37.18 | 35.05 | 35.52 | 33.77 |
| 15 | ..... | 35.85 | 31.56 | 33.10 | 30.05 | 34.16 | 36.27 | 36.10 | 36.90 | 35.37 | 35.08 | 33.25 |
| 20 | ..... | 34.00 | 32.05 | 33.25 | 30.70 | 34.72 | 36.45 | 36.27 | 35.97 | 35.45 | 35.07 | 32.17 |
| 25 | 36.27 | 33.24 | 32.24 | 32.45 | ..... | 35.24 | ..... | 36.53 | 35.40 | 35.45 | 35.05 | 31.80 |
| Eom | 36.36 | 33.05 | 32.05 | 31.12 | 32.23 | 35.57 | 36.58 | 36.78 | 35.73 | 35.71 | 34.55 | 31.19 |
| 1967 | | | | | | | | | | | | |
| 5 | 31.18 | 27.89 | 29.24 | 26.06 | 28.54 | 29.75 | 30.37 | 31.20 | 31.35 | 34.10 | 32.68 | 32.05 |
| 10 | 29.35 | 28.26 | 27.30 | 26.08 | 27.70 | 30.70 | 29.70 | 30.25 | 31.85 | 34.36 | 32.18 | 30.57 |
| 15 | 28.86 | 28.31 | 27.00 | 26.87 | 26.73 | 31.64 | 39.99 | 30.75 | 32.31 | 34.44 | 32.15 | 28.80 |
| 20 | 28.96 | 28.05 | 26.60 | 27.67 | 26.96 | 31.25 | 30.48 | ..... | 32.94 | 34.10 | 32.25 | ..... |
| 25 | 29.23 | ..... | 26.05 | 28.70 | 27.79 | 30.63 | 31.10 | 31.92 | ..... | ..... | 34.42 | 28.31 |
| Eom | 28.38 | 28.60 | 25.87 | 28.30 | 28.71 | 31.23 | 31.51 | 30.78 | 33.71 | 33.51 | 32.75 | 28.84 |
| e Estimated. | | | | | | | | | | | | |

e Estimated.

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RHODE ISLAND

The observation-well program in Rhode Island was continued during 1963 through 1967 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

The first number shown is the new, national well-numbering system represented by the latitude and longitude coordinates of the well location. Local well numbers, designated by a three-letter abbreviation of a city or town name and serial numbers assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

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

Kent County

414006N0713737.1. Local number Cov 212. John Thornton. About 400 ft west of intersection of Harkney Hill and Fish Hill Rds. Near Nooseneck. 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, Sept. 26, Oct. 25, 1963. Records available: 1953-63. Measurement discontinued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 8.18 | Apr. 29, 1963 | 8.59 | July 29, 1963 | 11.05 | Oct. 25, 1963 | (f) |
| Feb. 25 | 8.08 | May 27 | 7.94 | Aug. 28 | 11.91 | Nov. 26 | 11.76 |
| Mar. 28 | 6.95 | June 27 | 9.36 | Sept. 26 | (f) | Dec. 26 | 9.64 |

f Dry.

414022N0713328.1. Local number Cov 411. Robert Card. Powhatan Ave. Near Washington. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 26 ft, cased with concrete. Lsd 260 ft above msl. MP hole in top of wooden cover, 1.98 ft above lsd. Highest water level 19.25 below lsd, May 26, 1967; lowest 23.73 below lsd, Jan. 29, 1966. Records available: 1961-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 25, 1964 | 20.75 | Jan. 30, 1965 | 22.28 | Jan. 29, 1966 | 23.73 | Jan. 26, 1967 | 21.57 |
| Mar. 1 | 21.29 | Feb. 24 | 21.80 | Feb. 26 | 22.74 | Feb. 23 | 21.57 |
| 28 | 21.02 | Mar. 27 | 21.23 | Mar. 30 | 22.15 | Mar. 29 | 20.76 |
| Apr. 24 | 19.82 | Apr. 29 | 21.62 | Apr. 26 | 22.20 | Apr. 29 | 19.52 |
| May 30 | 20.62 | May 29 | 21.43 | May 26 | 23.34 | May 26 | 19.25 |
| June 29 | 21.72 | June 28 | 21.89 | June 27 | 22.08 | June 28 | 19.43 |
| July 30 | 22.17 | July 29 | 22.72 | July 28 | 22.46 | July 31 | 20.43 |
| Aug. 28 | 22.63 | Aug. 30 | 22.82 | Aug. 24 | 22.79 | Aug. 28 | 21.08 |
| Sept. 26 | 23.08 | Sept. 28 | 23.18 | Sept. 27 | 22.58 | Sept. 28 | 21.80 |
| Oct. 29 | 23.24 | Oct. 30 | 23.19 | Oct. 27 | 22.42 | Oct. 26 | 22.12 |
| Nov. 27 | 23.48 | Nov. 29 | 23.40 | Nov. 26 | 21.49 | Nov. 25 | 22.23 |
| Dec. 28 | 22.84 | Dec. 29 | 23.62 | Dec. 27 | 21.69 | Dec. 26 | 20.96 |

413819N0712754.1. Local number War 513. U.S. Naval Air Station. Quonset Point. Driven observation water-table well in sand and gravel of Pleistocene age, diam 3 in, depth 50 ft, cased to 50, open bottom. 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 19.04 below lsd, Oct. 24, 1963. Records available: 1958-64. Affected by pumping. Measurements are monthly lows from recorder graph. Measurement discontinued.

| | | | | | | | |
|---------------|-------|---------------|-------|--------------|-------|---------------|-------|
| Jan. 18, 1963 | 9.54 | July 30, 1963 | 16.29 | Jan. 3, 1964 | 12.87 | June 30, 1964 | 15.38 |
| Feb. 28 | 9.79 | Aug. 30 | 17.55 | Feb. 14 | 9.25 | July 3 | 15.79 |
| Mar. 1 | 9.91 | Sept. 11 | 18.51 | Mar. 26 | 9.13 | Aug. 28 | 17.02 |
| Apr. 17 | 9.72 | Oct. 24 | 19.04 | Apr. 4 | 8.73 | Sept. 24 | 18.32 |
| May 29 | 9.86 | Nov. 1 | 17.84 | May 31 | 10.67 | Oct. 14 | 17.78 |
| June 30 | 12.70 | Dec. 31 | 13.00 | | | | |

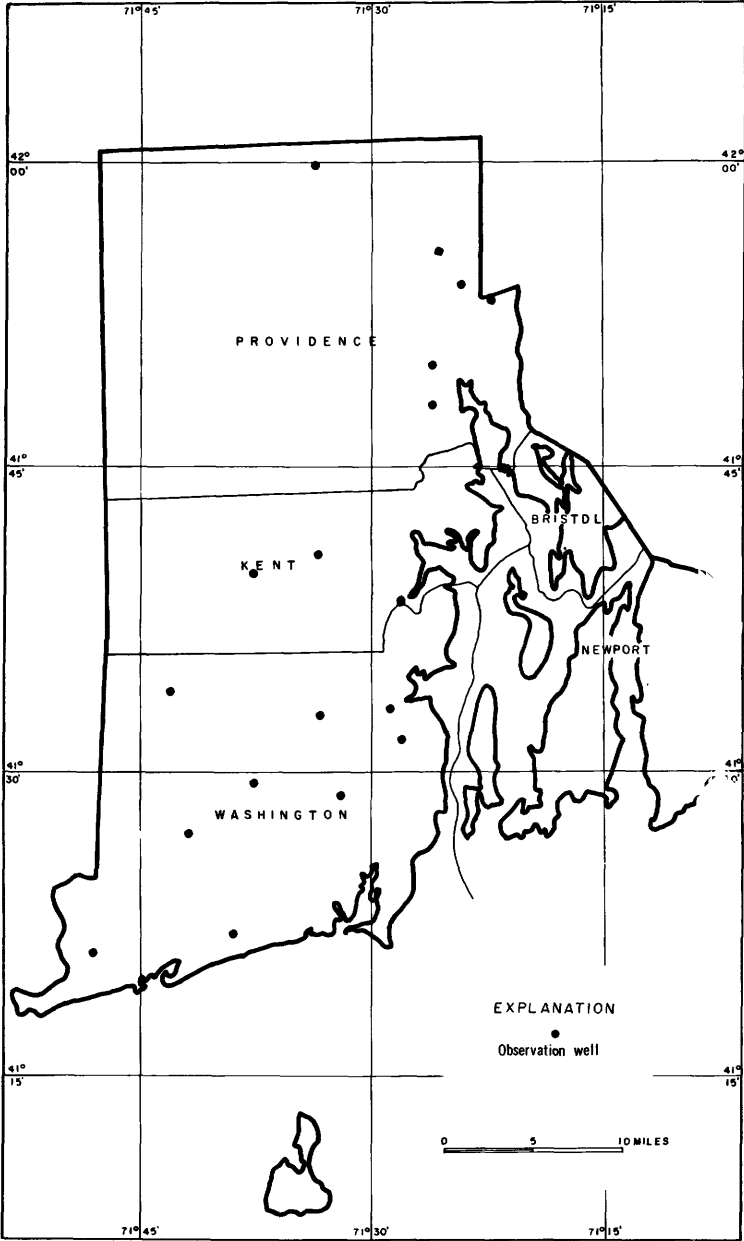


Figure 13.--Location of observation wells in Rhode Island, 1963-67.

Providence County

415626N0712546.1. Local number Cum 265. Matthew J. Partridge. Formerly Clarence Lawton. 27 Scott Rd. Near Ashton. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 20 ft, lined with stone. Lsd about 130 ft above msl. MP hole in wooden cover, 0.06 ft above lsd (since Dec. 30, 1964). Highest water level 10.00 below lsd, Jan. 30, 1958; lowest 17.20 below lsd, Sept. 29, 1949. Records available: 1946-67. Recording gage installed Apr. 24, 1963; removed Dec. 30, 1964.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 12.15 | Apr. 24, 1964 | 11.40 | July 29, 1965 | 15.59 | Oct. 27, 1966 | 13.02 |
| Feb. 25 | 12.17 | May 30 | 14.07 | Aug. 30 | 15.13 | Nov. 26 | 12.27 |
| Mar. 28 | 11.66 | June 29 | 15.33 | Sept. 28 | 15.96 | Dec. 27 | 12.73 |
| Apr. 29 | 13.39 | July 30 | 15.84 | Oct. 30 | 14.26 | Jan. 26, 1967 | 12.40 |
| May 27 | 12.76 | Aug. 28 | 16.34 | Nov. 29 | 14.61 | Feb. 23 | 12.26 |
| June 27 | 14.34 | Sept. 26 | 16.36 | Dec. 29 | 13.39 | Mar. 29 | 11.80 |
| July 29 | 14.84 | Oct. 29 | 14.30 | Jan. 29, 1966 | 13.00 | Apr. 29 | 11.92 |
| Aug. 28 | 15.88 | Nov. 27 | 14.34 | Feb. 26 | 11.58 | May 26 | 11.21 |
| Sept. 26 | 16.20 | Dec. 28 | 11.25 | Mar. 30 | 12.50 | June 28 | 13.51 |
| Oct. 25 | 15.44 | Jan. 30, 1965 | 12.59 | Apr. 26 | 13.77 | July 31 | 14.35 |
| Nov. 26 | 12.66 | Feb. 24 | 12.20 | May 26 | 13.12 | Aug. 28 | 14.27 |
| Dec. 26 | 12.09 | Mar. 27 | 12.71 | June 27 | 13.96 | Sept. 28 | 15.47 |
| Jan. 25, 1964 | 10.68 | Apr. 29 | 12.82 | July 28 | 15.41 | Oct. 26 | 14.46 |
| Feb. 29 | 12.47 | May 29 | 13.96 | Aug. 24 | 16.01 | Nov. 25 | 13.14 |
| Mar. 29 | 12.34 | June 28 | 15.03 | Sept. 27 | 14.34 | Dec. 26 | 11.83 |

415437N0712422.1. Local number Lin 84. Maplehurst Farm, Inc. Between Blackstone River and Front St., Lonsdale. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 8 in, depth 107 ft, cased to 107, open bottom. Lsd about 60 ft above msl. MP inside lower lip of 8-in pipe, 3.32 ft above lsd (since Nov. 29, 1965). Highest water level 0.85 below lsd, May 26, 1967; lowest 7.30 below lsd, Aug. 24, 1966. Records available: 1946-67. Affected by pumping April 1963 through June 1963. Recording gage installed Apr. 24, 1963; removed Dec. 30, 1964.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 4.90 | Apr. 24, 1964 | 4.35 | July 29, 1965 | 5.90 | Oct. 27, 1966 | 7.13 |
| Feb. 28 | 5.53 | May 30 | 6.08 | Aug. 30 | 6.88 | Nov. 26 | 6.77 |
| Mar. 28 | (j) | June 29 | 6.47 | Sept. 28 | 6.84 | Dec. 27 | 6.65 |
| Apr. 29 | 5.06 | July 30 | 6.45 | Oct. 30 | 6.89 | Jan. 26, 1967 | 5.64 |
| May 27 | 5.06 | Aug. 28 | 6.50 | Nov. 29 | 6.71 | Feb. 23 | 5.46 |
| June 27 | 5.82 | Sept. 26 | 6.51 | Dec. 29 | 6.98 | Mar. 29 | 4.04 |
| July 29 | 5.81 | Oct. 29 | 6.72 | Jan. 29, 1966 | 6.40 | Apr. 28 | 4.29 |
| Aug. 28 | 6.22 | Nov. 27 | 6.03 | Feb. 26 | 6.25 | May 26 | .85 |
| Sept. 26 | 6.27 | Dec. 28 | 4.97 | Mar. 30 | 5.82 | June 28 | 4.90 |
| Oct. 25 | 6.67 | Jan. 30, 1965 | 6.49 | Apr. 26 | 6.24 | July 31 | 5.52 |
| Nov. 26 | 5.98 | Feb. 24 | 6.36 | May 26 | 6.59 | Aug. 28 | 5.08 |
| Dec. 26 | 5.88 | Mar. 27 | 5.29 | June 27 | 7.07 | Sept. 28 | 6.09 |
| Jan. 25, 1964 | 4.00 | Apr. 29 | 5.51 | July 28 | 7.21 | Oct. 26 | 5.87 |
| Feb. 29 | 5.50 | May 29 | 6.42 | Aug. 24 | 7.30 | Nov. 25 | 5.22 |
| Mar. 29 | 4.91 | June 28 | 6.93 | Sept. 27 | 7.29 | Dec. 26 | 5.04 |

j Water level above MP.

415948N0713250.1. Local number Nsm 21. Thomas E. Esty. State Highway 146. Near Branch Village. Dug domestic water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 16 ft, cased with tile, open bottom. Lsd 238.68 ft above msl. MP hole in wooden cover at top of tile casing, 2.08 ft below lsd (since Dec. 30, 1964). Highest water level 3.78 below lsd, May 26, 1967; lowest 11.71 below lsd, Oct. 28, 1957. Records available: 1947-67. Affected by pumping. Recording gage installed Apr. 27, 1963; removed Dec. 30, 1964.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 7.65 | Apr. 24, 1964 | 6.45 | July 29, 1965 | 9.09 | Oct. 27, 1966 | 9.52 |
| Feb. 25 | 7.72 | May 30 | 8.46 | Aug. 30 | 10.24 | Nov. 26 | 8.56 |
| Mar. 28 | 6.84 | June 29 | 9.43 | Sept. 30 | 10.51 | Dec. 27 | 8.44 |
| Apr. 29 | 7.91 | July 30 | 9.97 | Oct. 30 | 10.57 | Jan. 26, 1967 | 7.70 |
| May 27 | 8.18 | Aug. 28 | 10.33 | Nov. 30 | 10.46 | Feb. 23 | 7.14 |
| June 27 | 8.98 | Sept. 26 | 10.69 | Dec. 29 | 9.97 | Mar. 29 | 5.84 |
| July 29 | 9.29 | Oct. 29 | 10.69 | Jan. 29, 1966 | 9.47 | Apr. 29 | 6.31 |
| Aug. 28 | 9.69 | Nov. 27 | 10.47 | Feb. 26 | 7.19 | May 26 | 3.78 |
| Sept. 26 | 10.22 | Dec. 28 | 6.96 | Mar. 30 | 7.12 | June 28 | 7.50 |
| Oct. 25 | 10.33 | Jan. 30, 1965 | 7.60 | Apr. 26 | 7.76 | July 31 | 8.46 |
| Nov. 26 | 8.32 | Feb. 24 | 7.05 | May 26 | 7.62 | Aug. 28 | 8.52 |
| Dec. 26 | 7.71 | Mar. 27 | 6.92 | June 27 | 8.39 | Sept. 28 | 9.25 |
| Jan. 25, 1964 | 5.66 | Apr. 29 | 6.97 | July 28 | 9.19 | Oct. 26 | 9.10 |
| Feb. 29 | 7.55 | May 29 | 8.04 | Aug. 24 | 9.77 | Nov. 25 | 8.44 |
| Mar. 29 | 7.20 | June 28 | 8.95 | Sept. 27 | 9.93 | Dec. 26 | 7.15 |

415318N0712204.1. Local number Paw 136. Greenhalgh Mills, Inc. 314 Woodbine St., Pawtucket. Drilled unused water-table well in gravel of Pleistocene age, diam 2 in, depth 43 ft, cased to 40, screened about 40-43 Lsd about 86 ft above msl. MP top of casing, 3.15 ft above lsd. Highest water level 3.45 below lsd, May 26, 1967; lowest 7.28 below lsd, Jan. 29, 1966. Records available: 1962-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 31, 1962 | 4.99 | Jan. 28, 1963 | 5.11 | Jan. 25, 1964 | 5.20 | Jan. 30, 1965 | 6.01 |
| Feb. 28 | e4.87 | Feb. 25 | 5.08 | Feb. 29 | 5.06 | Feb. 24 | 5.75 |
| Mar. 29 | 4.75 | Mar. 28 | 5.01 | Mar. 28 | 4.84 | Mar. 27 | 5.44 |
| Apr. 26 | 4.47 | Apr. 29 | 5.43 | Apr. 24 | 4.03 | Apr. 29 | 5.61 |
| May 25 | 4.91 | May 27 | 5.56 | May 30 | 4.69 | May 29 | 5.85 |
| June 28 | 4.94 | June 27 | 5.75 | June 29 | 6.12 | June 28 | 6.09 |
| July 26 | 5.38 | July 29 | 5.38 | July 30 | 5.75 | July 29 | 6.37 |
| Aug. 30 | 5.90 | Aug. 28 | 5.91 | Aug. 28 | 6.24 | Aug. 30 | 6.67 |
| Sept. 28 | 6.17 | Sept. 26 | 6.29 | Sept. 26 | 6.53 | Sept. 28 | 6.89 |
| Oct. 29 | 4.75 | Oct. 25 | 6.53 | Oct. 29 | 6.38 | Oct. 30 | 6.95 |
| Nov. 26 | 4.57 | Nov. 26 | 6.27 | Nov. 27 | 6.18 | Nov. 29 | 7.14 |
| Dec. 26 | 4.70 | Dec. 26 | 4.73 | Dec. 28 | 6.15 | Dec. 29 | 7.25 |

415318N0712204.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 29, 1966 | 7.28 | July 28, 1966 | 6.60 | Jan. 26, 1967 | 6.25 | July 31, 1967 | 4.04 |
| Feb. 26 | 6.32 | Aug. 24 | 6.63 | Feb. 23 | 6.07 | Aug. 28 | 4.40 |
| Mar. 30 | 5.80 | Sept. 27 | 6.61 | Mar. 29 | 5.09 | Sept. 28 | 5.20 |
| Apr. 26 | 6.05 | Oct. 27 | 6.48 | Apr. 29 | 4.36 | Oct. 26 | 5.40 |
| May 26 | 6.27 | Nov. 26 | 6.11 | May 26 | 3.45 | Nov. 25 | 5.05 |
| June 27 | 6.38 | Dec. 27 | 6.32 | June 28 | 3.78 | Dec. 26 | 4.89 |

e Estimated.

414746N0712556.1. Local number Pro 48. Gorham Manufacturing Co. 333 Adelaide Ave., Providence. Drilled unused artesian well in sand and gravel of Pleistocene age, diam 8 in, depth 124 ft, cased to 116, screened 116-124. Lsd 45.79 ft above msl. MP top edge of hole in center of steel cover, 0.48 ft below lsd. Highest water level 5.08 below lsd, Apr. 20, May 4, 1953; lowest 10.22 below lsd, Oct. 20, 1947. Records available: 1944-67.

Affected by pumping.

| | | | | | | | |
|---------------|------|---------------|------|---------------|------|---------------|------|
| Jan. 28, 1963 | 6.96 | Apr. 24, 1964 | 7.46 | July 29, 1965 | 8.65 | Oct. 27, 1966 | 9.40 |
| Feb. 25 | 6.85 | May 30 | 7.66 | Aug. 30 | 8.85 | Nov. 26 | 9.40 |
| Mar. 28 | 6.78 | June 29 | 7.98 | Sept. 28 | 9.06 | Dec. 27 | 9.62 |
| Apr. 29 | 7.32 | July 30 | 8.22 | Oct. 30 | 9.25 | Jan. 26, 1967 | 9.53 |
| May 27 | 7.51 | Aug. 28 | 8.17 | Nov. 29 | 9.42 | Feb. 23 | 9.43 |
| June 27 | 7.85 | Sept. 26 | 8.43 | Dec. 29 | 9.68 | Mar. 29 | 9.10 |
| July 29 | 8.09 | Oct. 29 | 8.52 | Jan. 29, 1966 | 9.97 | Apr. 29 | 8.90 |
| Aug. 28 | 8.29 | Nov. 27 | 8.47 | Feb. 26 | 9.47 | May 25 | 8.40 |
| Sept. 26 | 8.43 | Dec. 28 | 8.40 | Mar. 30 | 9.39 | June 28 | 8.36 |
| Oct. 25 | 8.63 | Jan. 30, 1965 | 8.29 | Apr. 26 | 9.43 | July 31 | 8.47 |
| Nov. 26 | 8.57 | Feb. 24 | 8.21 | May 26 | 9.47 | Aug. 28 | 8.49 |
| Dec. 26 | 8.45 | Mar. 27 | 8.04 | June 27 | 9.53 | Sept. 28 | 8.83 |
| Jan. 25, 1964 | 7.88 | Apr. 29 | 8.12 | July 28 | 9.64 | Oct. 26 | 8.89 |
| Mar. 1 | 8.08 | May 29 | 8.09 | Aug. 24 | 9.39 | Nov. 25 | 8.80 |
| 28 | 7.79 | June 28 | 8.34 | Sept. 27 | 9.62 | Dec. 26 | 8.85 |

414939N0712608.1. Local number Pro 1051. U.S. Rubber Co. 10 Eagle St., Providence. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in, depth 82 ft, cased to 82, open bottom. Lsd about 10 ft above msl. MP floor of recorder shelter, 1.65 ft above lsd. Highest water level 1.17 below lsd, Sept. 2, 1954; lowest 16.10 below lsd, Jan. 16, 1948. Records available: 1948-67. Monthly low from recorder graph. Affected by pumping.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|----------------|-------|
| Jan. 19, 1963 | 5.94 | Apr. 30, 1964 | 7.67 | July 11, 1965 | 10.09 | Sept. 13, 1966 | 11.83 |
| Feb. 2 | 5.74 | May 23 | 8.22 | Aug. 14 | 9.96 | Nov. 24 | 11.93 |
| Mar. 2 | 5.51 | June 6 | 8.22 | Sept. 18 | 9.80 | Dec. 11 | 11.67 |
| Apr. 27 | 7.44 | July 11 | 8.08 | Oct. 2 | 7.38 | Jan. 27, 1967 | 11.35 |
| May 25 | 8.13 | Aug. 29 | 7.37 | Nov. 5 | 7.11 | Feb. 4 | 11.11 |
| June 29 | 9.77 | Sept. 6 | 8.26 | Dec. 16 | 7.16 | Mar. 1 | 9.91 |
| July 3 | 9.75 | Oct. 31 | 8.52 | Jan. 15, 1966 | 6.72 | Apr. 15 | 9.50 |
| Aug. 31 | 10.62 | Nov. 7 | 8.55 | Feb. 20 | 6.47 | May 6 | 4.34 |
| Sept. 1 | 10.36 | Dec. 6 | 7.89 | Mar. 27 | 5.80 | July 25 | 6.29 |
| Oct. 19 | 11.84 | Jan. 16, 1965 | 7.55 | Apr. 30 | 8.86 | Aug. 12 | 8.33 |
| Nov. 1 | 11.34 | Feb. 21 | 8.49 | May 1 | 8.84 | Sept. 21 | 9.05 |
| Dec. 21 | 9.70 | Mar. 14 | 8.72 | June 25 | 8.32 | Oct. 16 | 8.66 |
| Jan. 9, 1964 | 9.29 | Apr. 29 | 9.05 | July 2 | 8.45 | Nov. 18 | 7.36 |
| Feb. 1 | 8.71 | May 22 | 9.42 | Aug. 5 | 8.01 | Dec. 22 | 6.87 |
| Mar. 1 | 8.04 | June 27 | 10.00 | | | | |

Washington County

412214N0713940.1. Local number Cha 18. U.S. Naval Auxiliary Air Station. Post Rd. Near Charlestown. Drilled unused water-table well in sand and clay of Pleistocene age, diam 8 in, depth 32 ft, cased to 32, open bottom. Lsd about 26 ft above msl. MP top of casing, at lsd. Highest water level 12.79 below lsd, Apr. 25, 1953; lowest 21.63 below lsd, Dec. 29, 1965. Records available: 1946-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | 17.43 | Apr. 24, 1964 | 12.95 | July 29, 1965 | 19.82 | Oct. 27, 1966 | 20.52 |
| Feb. 25 | 17.20 | May 30 | 13.45 | Aug. 30 | 20.50 | Nov. 26 | 19.96 |
| Mar. 28 | 16.86 | June 29 | 17.85 | Sept. 28 | 20.90 | Dec. 27 | 20.42 |
| Apr. 29 | 17.83 | July 30 | 18.99 | Oct. 30 | 21.11 | Jan. 26, 1967 | 19.92 |
| May 27 | 18.32 | Aug. 28 | 19.81 | Nov. 29 | 21.36 | Feb. 23 | 19.65 |
| June 27 | 18.20 | Sept. 26 | 20.45 | Dec. 29 | 21.63 | Mar. 29 | 16.95 |
| July 29 | 19.00 | Oct. 29 | 20.53 | Jan. 29, 1966 | 21.26 | May 1 | 15.53 |
| Aug. 28 | 19.53 | Nov. 27 | 20.87 | Feb. 26 | 19.98 | June 26 | 15.49 |
| Sept. 26 | 20.06 | Dec. 28 | 19.92 | Mar. 30 | 17.81 | July 28 | 16.08 |
| Oct. 25 | 20.52 | Jan. 30, 1965 | 18.65 | Apr. 26 | 18.75 | July 31 | 17.12 |
| Nov. 26 | 20.21 | Feb. 24 | 17.22 | May 26 | 18.30 | Aug. 28 | 18.12 |
| Dec. 26 | 19.35 | Mar. 27 | 17.10 | June 27 | 17.44 | Sept. 28 | 19.19 |
| Jan. 25, 1964 | 17.97 | Apr. 29 | 17.25 | July 28 | 18.72 | Oct. 26 | 19.90 |
| Mar. 1 | 17.00 | May 29 | 17.88 | Aug. 24 | 19.74 | Nov. 25 | 20.34 |
| 28 | 16.37 | June 28 | 18.83 | Sept. 27 | 20.54 | Dec. 26 | 18.42 |

413423N0714319.1. Local number Exe 6. State Dept. of Agriculture and Conservation. Arcadia State Forest, Ten Rod Rd. Near Millville. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in, depth 10 ft, cased with concrete to 10, open bottom. Lsd about 130 ft above msl. MP base of recorder shelter, 0.25 in above lsd (since May 23, 1966). Highest water level 3.73 below lsd, May 26, 1967; lowest 7.74 below lsd, Sept. 27, 1957. Records available: 1948-67. Affected by nearby stream stage.

413423N0714319.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 6.05 | Apr. 24, 1964 | 4.74 | July 29, 1965 | 7.36 | Oct. 27, 1966 | 7.16 |
| Feb. 25 | 5.95 | May 30 | 6.18 | Aug. 30 | 7.48 | Nov. 26 | 6.87 |
| Mar. 28 | 5.25 | June 29 | 6.83 | Sept. 28 | 7.69 | Dec. 27 | 6.92 |
| Apr. 29 | 6.24 | July 30 | 7.07 | Oct. 30 | 7.68 | Jan. 26, 1967 | 6.66 |
| May 27 | 5.97 | Aug. 28 | 7.38 | Nov. 29 | 7.47 | Feb. 23 | 6.53 |
| June 27 | 6.65 | Sept. 26 | 7.51 | Dec. 29 | 7.39 | Mar. 29 | 4.95 |
| July 29 | 6.90 | Oct. 29 | 7.49 | Jan. 29, 1966 | 7.46 | Apr. 29 | 5.21 |
| Aug. 28 | 7.28 | Nov. 27 | 6.95 | Feb. 26 | 6.60 | May 26 | 3.80 |
| Sept. 26 | 7.41 | Dec. 28 | 5.36 | Mar. 30 | 6.23 | June 28 | 5.60 |
| Oct. 25 | 7.55 | Jan. 30, 1965 | 6.48 | Apr. 26 | 6.51 | July 31 | 6.33 |
| Nov. 26 | 7.01 | Feb. 24 | 6.05 | May 26 | 6.36 | Aug. 28 | 6.72 |
| Dec. 26 | 6.69 | Mar. 27 | 5.64 | June 27 | 6.64 | Sept. 28 | 7.24 |
| Jan. 25, 1964 | 5.28 | Apr. 29 | 5.88 | July 28 | 7.14 | Oct. 26 | 7.02 |
| Mar. 1 | 5.87 | May 29 | 6.50 | Aug. 24 | 7.41 | Nov. 25 | 6.47 |
| 28 | 5.84 | June 28 | 7.03 | Sept. 27 | 7.42 | Dec. 26 | 5.75 |

413307N0713236.1. Local number Exe 16. State Dept. of Public Welfare. Dr. Joseph H. Ladd School. Near Exeter. Driven unused water-table well in sand and gravel of Pleistocene age, diam 2½ in, depth 27 ft, cased to 27, open bottom. Lsd 154.47 ft above msal. MP top of casing, 1.78 ft above lsd (since Apr. 29, 1963). Highest water level 7.38 below lsd, Apr. 15, 1953; lowest 15.40 below lsd, Oct. 30, 1957. Records available: 1948-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | 10.28 | Apr. 24, 1964 | 9.04 | July 29, 1965 | 12.20 | Oct. 27, 1966 | 14.43 |
| Feb. 25 | 10.32 | May 30 | 9.82 | Aug. 30 | 13.00 | Nov. 26 | 14.16 |
| Mar. 28 | 10.36 | June 29 | 11.20 | Sept. 28 | 13.68 | Dec. 27 | 14.26 |
| Apr. 29 | 11.31 | July 30 | 12.18 | Oct. 30 | 14.26 | Jan. 26, 1967 | 13.72 |
| May 27 | 11.22 | Aug. 28 | 13.08 | Nov. 29 | 14.73 | Feb. 23 | 13.44 |
| June 27 | 11.58 | Sept. 26 | 13.74 | Dec. 29 | 14.99 | Mar. 29 | 11.37 |
| July 29 | 12.42 | Oct. 29 | 14.22 | Jan. 29, 1966 | 15.14 | Apr. 29 | 9.93 |
| Aug. 28 | 13.07 | Nov. 27 | 14.68 | Feb. 26 | 14.16 | May 26 | 9.42 |
| Sept. 26 | 13.71 | Dec. 28 | 14.32 | Mar. 30 | 12.82 | June 28 | 9.43 |
| Oct. 25 | 14.47 | Jan. 30, 1965 | 13.68 | Apr. 26 | 12.69 | July 31 | 17.52 |
| Nov. 26 | 14.57 | Feb. 24 | 12.73 | May 26 | 12.79 | Aug. 28 | 11.26 |
| Dec. 26 | 13.93 | Mar. 27 | 11.22 | June 27 | 12.57 | Sept. 28 | 12.35 |
| Jan. 25, 1964 | 13.17 | Apr. 29 | 10.88 | July 28 | 13.08 | Oct. 26 | 12.92 |
| Mar. 1 | 11.05 | May 29 | 10.93 | Aug. 24 | 13.60 | Nov. 25 | 13.27 |
| 28 | 10.25 | June 28 | 11.45 | Sept. 27 | 14.13 | Dec. 26 | 11.87 |

413148N0712816.1. Local number Nok 255. Lawrence Smith. Pendar Rd., near Allenton. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 14 ft, cased with concrete. Lsd about 50 ft above msal. MP top edge of casing on west rim of well, at lsd. Highest water level 5.72 below lsd, Sept. 14, 1954; lowest 12.33 below lsd, Sept. 27, 1966. Records available: 1954-63, 1966-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 26, 1956 | 7.76 | July 30, 1958 | 8.31 | Jan. 31, 1961 | 9.59 | July 29, 1963 | 17.08 |
| Feb. 29 | 6.37 | Aug. 27 | 8.33 | Feb. 28 | 7.60 | Aug. 28 | 17.63 |
| Mar. 29 | 5.95 | Sept. 25 | 9.02 | Mar. 31 | 7.40 | Sept. 26 | 17.10 |
| Apr. 27 | 6.24 | Oct. 23 | 8.87 | Apr. 28 | 5.86 | Oct. 25 | 11.37 |
| May 29 | 7.24 | Nov. 21 | 8.68 | May 26 | 6.80 | Nov. 26 | 17.69 |
| June 28 | 8.08 | Dec. 29 | 8.98 | June 27 | 7.39 | Dec. 26 | 17.05 |
| July 31 | 8.46 | Jan. 29, 1959 | 9.13 | July 28 | 8.65 | Jan. 29, 1966 | 11.88 |
| Aug. 30 | 9.65 | Feb. 26 | 8.70 | Aug. 30 | 9.26 | Feb. 26 | 17.65 |
| Sept. 27 | 10.33 | Mar. 26 | 6.53 | Sept. 28 | 7.24 | Mar. 30 | 9.82 |
| Oct. 26 | 10.38 | Apr. 29 | 6.86 | Oct. 31 | 8.49 | Apr. 26 | 17.52 |
| Nov. 28 | 10.00 | May 28 | 7.69 | Nov. 30 | 8.34 | May 26 | 9.98 |
| Dec. 27 | 9.02 | June 29 | 7.56 | Dec. 28 | 8.32 | June 27 | 17.32 |
| Jan. 31, 1957 | 9.16 | July 29 | 8.16 | Jan. 31, 1962 | 7.10 | July 28 | 11.37 |
| Feb. 28 | 9.57 | Aug. 27 | 9.29 | Feb. 28 | 7.19 | Aug. 24 | 12.00 |
| Mar. 28 | 8.60 | Sept. 24 | 9.93 | Mar. 29 | 6.51 | Sept. 27 | 12.33 |
| Apr. 30 | 8.05 | Oct. 28 | 9.78 | Apr. 26 | 6.95 | Oct. 27 | 12.04 |
| May 29 | 8.83 | Nov. 25 | 9.90 | May 25 | 7.93 | Nov. 26 | 11.12 |
| June 26 | 9.72 | Dec. 24 | 8.67 | June 28 | 8.30 | Dec. 27 | 11.33 |
| July 31 | 10.83 | Feb. 1, 1960 | 8.63 | July 26 | 9.22 | Jan. 26, 1967 | 10.65 |
| Aug. 30 | 11.27 | 25 | 7.60 | Aug. 30 | 10.14 | Feb. 23 | 10.47 |
| Sept. 28 | 11.59 | Mar. 25 | 6.98 | Sept. 28 | 10.70 | Mar. 29 | 9.02 |
| Oct. 29 | 11.77 | May 2 | 7.19 | Oct. 29 | 9.26 | Apr. 29 | 7.98 |
| Nov. 25 | 11.18 | 31 | 7.40 | Nov. 26 | 7.90 | May 25 | 7.78 |
| Dec. 30 | 9.68 | July 1 | 8.58 | Dec. 26 | 68.31 | June 28 | 7.50 |
| Jan. 31, 1958 | 7.88 | 29 | 9.33 | Jan. 28, 1963 | 8.12 | July 31 | 8.48 |
| Feb. 27 | 8.68 | Aug. 31 | 10.22 | Feb. 25 | 8.03 | Aug. 28 | 9.21 |
| Mar. 25 | 6.71 | Sept. 29 | 9.89 | Mar. 28 | 7.14 | Sept. 28 | 9.53 |
| Apr. 25 | 5.94 | Oct. 28 | 10.19 | Apr. 29 | 8.13 | Oct. 26 | 8.94 |
| May 23 | 5.86 | Nov. 30 | 9.84 | May 27 | 8.14 | Nov. 25 | 8.27 |
| June 27 | 7.08 | Dec. 28 | 9.22 | June 27 | 8.96 | Dec. 26 | 7.33 |

e Estimated.

413308N0712805.1. Local number Nok 450. Richard S. Bannister. 890 Tower Hill Rd., Belleville. Dug unused water-table well in sand and gravel of Pleistocene age, diam 24 in, depth 17 ft, cased with concrete. Lsd at cut 60 ft above msal. MP hole in top of wooden base, 2.80 ft above lsd. Highest water level 11.10 below lsd, Apr. 24, 1964; lowest 16.45 below lsd, Dec. 29, 1965. Records available: 1961-67.

413308N0712805.1—Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 25, 1964 | 13.20 | Jan. 30, 1965 | 14.31 | Jan. 29, 1966 | 16.15 | Jan. 26, 1967 | 14.64 |
| Mar. 1 | 12.83 | Feb. 24 | 13.37 | Feb. 26 | 14.69 | Feb. 23 | 14.44 |
| 28 | 12.59 | Mar. 27 | 13.06 | Mar. 30 | 13.94 | Mar. 29 | 13.00 |
| Apr. 24 | 11.10 | Apr. 29 | 12.99 | Apr. 26 | 14.41 | Apr. 29 | 12.26 |
| May 30 | 12.52 | May 29 | 13.51 | May 26 | 14.41 | May 25 | 11.87 |
| June 29 | 13.72 | June 28 | 14.26 | June 27 | 14.47 | June 28 | 12.05 |
| July 30 | 14.53 | July 29 | 14.98 | July 28 | 15.25 | July 31 | 13.07 |
| Aug. 28 | 15.20 | Aug. 30 | 15.57 | Aug. 24 | 15.88 | Aug. 28 | 13.70 |
| Sept. 26 | 15.75 | Sept. 28 | 16.02 | Sept. 27 | 16.14 | Sept. 28 | 14.65 |
| Oct. 29 | 15.85 | Oct. 30 | 16.38 | Oct. 27 | 16.10 | Oct. 26 | 14.82 |
| Nov. 27 | 15.98 | Nov. 29 | 16.42 | Nov. 26 | 15.32 | Nov. 25 | 14.80 |
| Dec. 28 | 15.03 | Dec. 29 | 16.45 | Dec. 27 | 15.42 | Dec. 26 | 13.29 |

412717N0714153.1. Local number Ric 231. N. D. MacLeod. Narragansett Trail. Near Wood River Jct. Dug unused water-table well in sand and gravel of Pleistocene age, diam 30 in, depth 29 ft, lined with stone. Lsd about 84 ft above msl. MP hole in top of wooden cover, 0.29 ft above lsd (since Dec. 30, 1964). Highest water level 20.65 below lsd, May 23, 1958; lowest dry, Nov. 29-Dec. 31, 1965, Jan. 1-Mar. 30, 1966, Oct. 27-Dec. 31, 1966, Jan. 1-Feb. 23, 1967. Records available: 1955-67. Recording gage installed July 31, 1963; removed Dec. 30, 1964.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | 25.25 | Apr. 24, 1964 | 23.92 | July 29, 1965 | 27.44 | Oct. 27, 1966 | (f) |
| Feb. 25 | 25.11 | May 30 | 23.38 | Aug. 30 | 27.97 | Nov. 26 | (f) |
| Mar. 28 | 24.17 | June 29 | 24.14 | Sept. 28 | 28.64 | Dec. 27 | (f) |
| Apr. 29 | 24.53 | July 30 | 25.02 | Oct. 30 | 28.99 | Jan. 26, 1967 | (f) |
| May 27 | 24.71 | Aug. 28 | 25.82 | Nov. 29 | (f) | Feb. 23 | (f) |
| June 27 | 24.61 | Sept. 26 | 26.57 | Dec. 29 | (f) | Mar. 29 | 28.08 |
| July 29 | 25.04 | Oct. 29 | 27.32 | Jan. 29, 1966 | (f) | May 1 | 26.91 |
| Aug. 28 | 25.66 | Nov. 27 | 27.88 | Feb. 26 | (f) | 26 | 26.12 |
| Sept. 26 | 26.29 | Dec. 28 | 28.19 | Mar. 30 | (f) | June 28 | 25.04 |
| Oct. 25 | 26.90 | Jan. 30, 1965 | 28.94 | Apr. 26 | 28.42 | July 31 | 25.34 |
| Nov. 26 | 27.50 | Feb. 24 | 28.33 | May 26 | 28.33 | Aug. 28 | 25.64 |
| Dec. 26 | 27.72 | Mar. 27 | 27.32 | June 27 | 27.91 | Sept. 28 | 26.07 |
| Jan. 25, 1964 | 27.52 | Apr. 29 | 26.94 | July 28 | 27.88 | Oct. 26 | 26.51 |
| Mar. 1 | 26.09 | May 29 | 26.73 | Aug. 24 | 28.48 | Nov. 25 | 26.90 |
| 28 | 25.54 | June 28 | 27.03 | Sept. 27 | 28.56 | Dec. 26 | 26.09 |

e Estimated.

f Dry.

412918N0713210.1. Local number Sok 6. University of Rhode Island. Thirty Acre Rd., Kingston. Drilled unused water-table well in sand and gravel of Pleistocene age, diam 10 in, depth 34 ft, cased to 34, open bottom. Lsd 111.8 ft above msl. MP top of casing, at lsd. Highest water level 7.92 below lsd, Apr. 12, 13, 1953; lowest 15.06 below lsd, Dec. 29, 1965. Records available: 1947, 1955-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | 10.94 | Apr. 24, 1964 | 9.06 | July 29, 1965 | 13.82 | Oct. 27, 1966 | 14.54 |
| Feb. 25 | 11.40 | May 30 | 11.06 | Aug. 30 | 14.23 | Nov. 26 | 14.22 |
| Mar. 28 | 11.30 | June 29 | 12.19 | Sept. 28 | 14.37 | Dec. 27 | 14.33 |
| Apr. 29 | 12.38 | July 30 | 12.98 | Oct. 30 | 14.79 | Jan. 26, 1967 | 13.88 |
| May 27 | 12.65 | Aug. 28 | 13.62 | Nov. 29 | 14.98 | Feb. 23 | 13.47 |
| June 27 | 13.08 | Sept. 26 | 14.09 | Dec. 29 | 15.06 | Mar. 29 | 12.20 |
| July 29 | 13.37 | Oct. 29 | 14.75 | Jan. 29, 1966 | 15.03 | Apr. 29 | 11.20 |
| Aug. 28 | 13.70 | Nov. 27 | 14.77 | Feb. 26 | 13.80 | May 26 | 11.57 |
| Sept. 26 | 14.15 | Dec. 28 | 14.27 | Mar. 30 | 13.22 | June 28 | 11.17 |
| Oct. 25 | 14.16 | Jan. 30, 1965 | 13.72 | Apr. 26 | 13.62 | July 31 | 12.07 |
| Nov. 26 | 14.00 | Feb. 24 | 12.39 | May 26 | 13.49 | Aug. 28 | 12.87 |
| Dec. 26 | 13.32 | Mar. 27 | 12.19 | June 27 | 13.53 | Sept. 28 | 13.30 |
| Jan. 25, 1964 | 11.52 | Apr. 29 | 12.22 | July 28 | 13.93 | Oct. 26 | 13.63 |
| Mar. 1 | 11.53 | May 29 | 12.70 | Aug. 24 | 14.27 | Nov. 26 | 13.50 |
| 28 | 11.06 | June 28 | 13.32 | Sept. 27 | 14.45 | Dec. 26 | 12.54 |

412923N0713616.1. Local number Sok 515. R. R. Holley. Laurel Lane Golf Course. Near West Kingston. 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 wooden cover, 0.82 ft above lsd. Highest water level 24.38 below lsd, Apr. 18, 1958; lowest 30.10 below lsd, Oct. 18-20, 1957. Records available: 1955-67.

| | | | | | | | |
|---------------|-------|---------------|-------|---------------|-------|---------------|-------|
| Jan. 28, 1963 | 26.48 | Apr. 24, 1964 | 24.59 | July 29, 1965 | 28.66 | Oct. 27, 1966 | 29.01 |
| Feb. 25 | 26.29 | May 30 | 26.53 | Aug. 30 | 29.48 | Nov. 26 | 28.34 |
| Mar. 28 | 26.19 | June 29 | 27.89 | Sept. 28 | 29.60 | Dec. 27 | 28.62 |
| Apr. 29 | 27.07 | July 30 | 28.56 | Oct. 30 | 29.77 | Jan. 26, 1967 | 28.08 |
| May 27 | 26.92 | Aug. 28 | 29.18 | Nov. 29 | 29.74 | Feb. 23 | 27.91 |
| June 27 | 27.27 | Sept. 26 | 29.50 | Dec. 29 | 29.89 | Mar. 29 | 26.42 |
| July 29 | 28.26 | Oct. 29 | 29.40 | Jan. 29, 1966 | 29.36 | Apr. 29 | 25.62 |
| Aug. 28 | 28.71 | Nov. 27 | 29.57 | Feb. 26 | 28.05 | May 26 | 25.75 |
| Sept. 26 | 29.24 | Dec. 28 | 28.48 | Mar. 30 | 26.88 | June 28 | 26.14 |
| Oct. 25 | 29.43 | Jan. 30, 1965 | 27.66 | Apr. 26 | 27.64 | July 31 | 27.21 |
| Nov. 26 | 28.67 | Feb. 24 | 26.69 | May 26 | 27.44 | Aug. 28 | 27.76 |
| Dec. 26 | 27.85 | Mar. 27 | 26.50 | June 27 | 27.47 | Sept. 28 | 28.64 |
| Jan. 25, 1964 | 27.00 | Apr. 29 | 26.53 | July 28 | 28.38 | Oct. 26 | 28.73 |
| Mar. 1 | 26.34 | May 29 | 27.15 | Aug. 24 | 29.05 | Nov. 25 | 28.41 |
| 28 | 26.32 | June 28 | 27.88 | Sept. 27 | 29.29 | Dec. 26 | 28.68 |

412117N0714755.1. Local number Wes 401. Charles W. Holt. Old Post Rd. North of Westerly State Airport. Near Westerly. 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 4.34 below lsd, Apr. 24, 1964; lowest dry, Oct. 25, 1963, Aug. 30-Dec. 31, 1965, Jan. 1-29, 1966. Records available: 1959-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Jan. 28, 1963 | 7.29 | Apr. 24, 1964 | 4.34 | July 29, 1965 | 10.34 | Oct. 27, 1966 | 10.10 |
| Feb. 25 | 7.58 | May 30 | 4.76 | Aug. 30 | (f) | Nov. 26 | 9.56 |
| Mar. 28 | 7.08 | June 29 | 8.31 | Sept. 28 | (f) | Dec. 27 | 10.07 |
| Apr. 29 | 7.93 | July 30 | 9.16 | Oct. 30 | (f) | Jan. 26, 1967 | 9.90 |
| May 27 | 7.97 | Aug. 28 | 9.80 | Nov. 29 | (f) | Feb. 23 | 9.72 |
| June 27 | 8.18 | Sept. 26 | 10.61 | Dec. 29 | (f) | Mar. 29 | 7.72 |
| July 29 | 9.47 | Oct. 29 | 10.30 | Jan. 29, 1966 | (f) | May 1 | 6.98 |
| Aug. 28 | 9.74 | Nov. 27 | 10.51 | Feb. 26 | 9.47 | 26 | 4.88 |
| Sept. 26 | 10.45 | Dec. 28 | 9.14 | Mar. 30 | 9.15 | June 28 | 6.62 |
| Oct. 25 | (f) | Jan. 30, 1965 | 9.21 | Apr. 26 | 9.78 | July 31 | 7.59 |
| Nov. 26 | 9.90 | Feb. 24 | 8.00 | May 26 | 8.60 | Aug. 28 | 8.47 |
| Dec. 26 | 9.33 | Mar. 27 | 8.07 | June 27 | 8.77 | Sept. 28 | 9.63 |
| Jan. 25, 1964 | 7.81 | Apr. 29 | 7.56 | July 28 | 9.88 | Oct. 26 | 9.38 |
| Mar. 1 | 8.09 | May 29 | 8.54 | Aug. 24 | 10.27 | Nov. 25 | 8.79 |
| 28 | 7.70 | June 28 | 9.32 | Sept. 27 | 10.60 | Dec. 26 | 7.74 |

f Dry.

VERMONT

The observation-well program in Vermont was initiated during the 1963 through 1967 period with the installation of three wells in cooperation with the Vermont Department of Water Resources. Figure 14 shows the location of the observation wells included in this report.

Well-Numbering System

The first number shown is the new, national well-numbering system represented by the latitude and longitude coordinates of the well location. Local well numbers, designated by town or city name and serial number assigned within each city or town, have been continued in this report for the convenience of local users and for easy reference to previously published data.

Well Descriptions and Water-Level Measurements

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

Chittenden County

443646N0731249.1. Local number Milton 3. U.S. Geol. Survey. At Sandbar Waterfowl Development Area, near Milton. Driven observation water-table well in glacial sand and gravel of Pleistocene age, diam 1½ in, depth 40 ft, well point 38-40. Led about 160 ft above msl. MP top of casing, 4.00 ft above lsd. Highest water level 28.87 below lsd, May 2, 1958; lowest 37.82 below lsd, Feb. 26, 1965. Records available: 1956-67.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Nov. 28, 1956 | 34.34 | Aug. 1, 1961 | 32.90 | Nov. 26, 1962 | 36.07 | Oct. 29, 1963 | 34.19 |
| Dec. 29 | 35.25 | Sept. 5 | 33.65 | Dec. 3 | 36.09 | Oct. 21, 1964 | 36.01 |
| Jan. 29, 1957 | 36.03 | Oct. 6 | 34.27 | 10 | 36.05 | 28 | 36.05 |
| Feb. 28 | 36.59 | Nov. 7 | 34.94 | 17 | 35.95 | Feb. 2, 1965 | 37.67 |
| Mar. 28 | 37.08 | 8 | 35.00 | 26 | 35.88 | 9 | 37.66 |
| May 3 | 36.10 | Dec. 14 | 35.73 | 31 | 35.81 | 18 | 37.76 |
| 29 | 37.59 | Feb. 8, 1962 | 36.70 | Jan. 4, 1963 | 35.72 | 26 | 37.82 |
| July 26 | 36.61 | Mar. 5 | 36.60 | 8 | 35.71 | July 15 | 37.71 |
| Aug. 28 | 35.78 | 12 | 36.80 | 14 | 35.73 | 22 | 37.65 |
| Sept. 29 | 36.13 | 19 | 37.70 | 21 | 35.75 | 30 | 37.54 |
| Nov. 5 | 36.50 | 26 | 37.28 | 28 | 35.77 | Aug. 9 | 37.45 |
| Dec. 3 | 37.20 | Apr. 2 | 36.90 | Feb. 4 | 35.80 | 14 | 37.45 |
| 27 | 37.55 | 9 | 36.59 | 11 | 35.82 | 20 | 37.44 |
| Jan. 27, 1958 | 34.60 | 16 | 35.18 | 18 | 35.86 | 27 | 37.43 |
| Feb. 28 | 35.35 | 23 | 32.80 | 25 | 35.91 | Sept. 6 | 37.25 |
| Mar. 29 | 36.64 | 30 | 31.64 | Apr. 2 | 36.24 | 14 | 37.11 |
| May 2 | 28.87 | May 7 | 32.09 | 8 | 36.48 | 20 | 36.88 |
| 28 | 32.17 | 14 | 32.39 | 15 | 33.71 | 27 | 36.77 |
| June 26 | 29.60 | 21 | 32.70 | 22 | 29.16 | Oct. 1 | 36.71 |
| July 31 | 30.5 | 28 | 33.16 | 29 | 29.40 | 8 | 36.65 |
| Aug. 27 | 31.45 | June 4 | 33.17 | May 6 | 29.53 | 15 | 36.61 |
| Oct. 12 | 33.1 | 11 | 33.20 | 13 | 29.59 | 22 | 36.56 |
| Nov. 4, 1959 | 34.7 | 18 | 33.46 | 20 | 29.64 | 29 | 36.54 |
| 30 | 34.37 | 25 | 33.69 | 27 | 29.61 | Nov. 5 | 36.49 |
| Dec. 30 | 34.85 | July 2 | 33.89 | June 7 | 29.69 | 12 | 36.40 |
| Feb. 1, 1960 | 34.00 | 9 | 34.00 | 10 | 29.75 | 19 | 36.30 |
| 29 | 34.48 | 16 | 34.16 | 17 | 30.00 | 24 | 36.19 |
| Apr. 1 | 34.64 | 23 | 34.37 | 24 | 30.15 | Dec. 1 | 35.90 |
| May 2 | 30.65 | Aug. 6 | 34.59 | July 1 | 30.03 | 8 | 35.28 |
| June 6 | 30.86 | 8 | 34.68 | 8 | 29.54 | 15 | 35.01 |
| July 6 | 31.23 | 8 | 34.76 | 15 | 30.26 | 27 | 34.59 |
| Aug. 7 | 31.92 | 20 | 35.00 | 19 | 31.02 | 29 | 34.20 |
| Sept. 5 | 32.67 | Sept. 10 | 35.32 | Aug. 7 | 31.23 | Jan. 7, 1966 | 34.19 |
| Oct. 4 | 33.45 | 17 | 35.35 | 12 | 31.46 | 14 | 34.28 |
| Nov. 7 | 34.43 | 24 | 35.37 | 19 | 32.69 | 21 | 34.46 |
| Dec. 7 | 34.69 | Oct. 1 | 35.46 | 26 | 32.88 | 28 | 34.65 |
| Jan. 7, 1961 | 35.32 | 8 | 35.59 | Sept. 3 | 32.98 | Feb. 4 | 34.79 |
| Feb. 3 | 35.70 | 15 | 35.78 | 9 | 33.03 | 11 | 34.99 |
| Mar. 6 | 36.57 | 22 | 35.79 | 17 | 33.15 | 18 | 35.46 |
| Apr. 10 | 36.25 | 29 | 35.87 | 26 | 33.36 | 28 | 35.20 |
| May 12 | 31.38 | Nov. 5 | 35.94 | Oct. 7 | 33.78 | Mar. 11 | 34.78 |
| June 5 | 31.70 | 13 | 35.99 | 14 | 33.97 | 17 | 34.09 |
| July 5 | 32.30 | 19 | 36.05 | 22 | 34.02 | 25 | 33.88 |

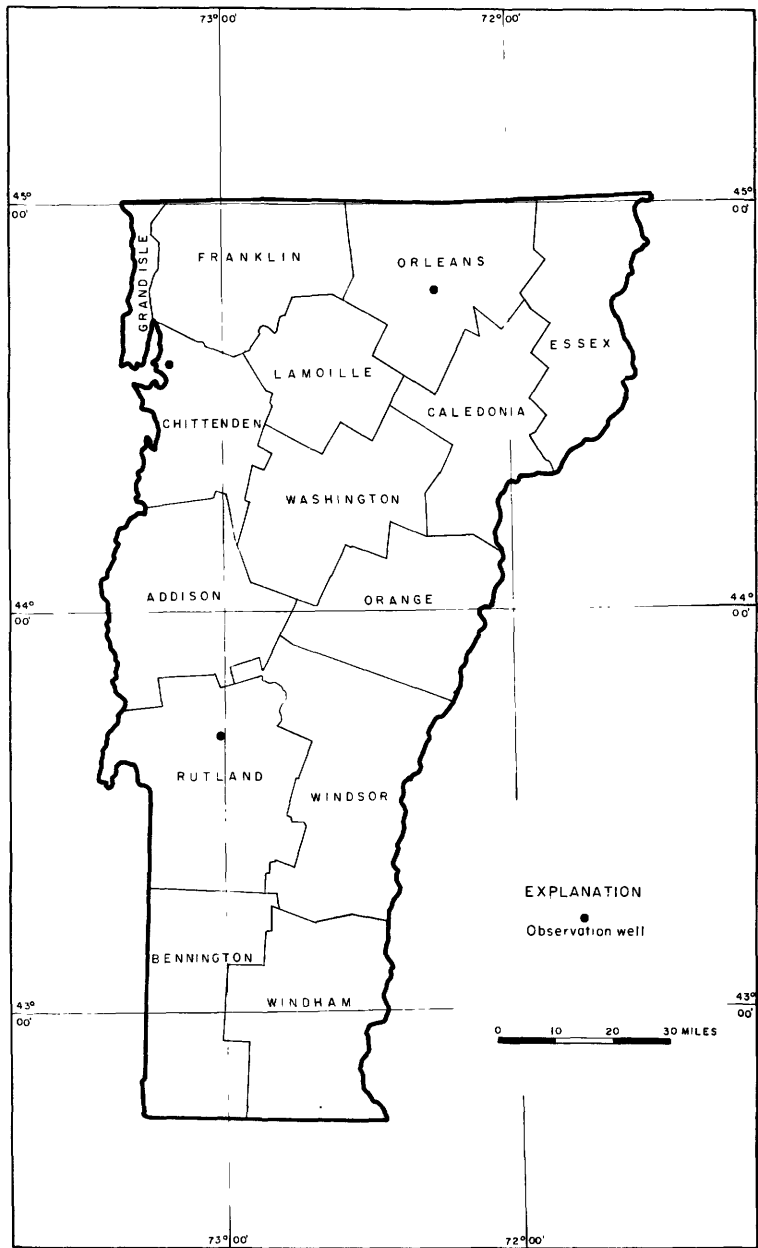


Figure 14. --Location of observation wells in Vermont, 1963-67.

443646N0731249.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|--------------|-------------|---------------|-------------|---------------|-------------|
| Mar. 29, 1966 | 33.40 | June 7, 1966 | 31.80 | Nov. 22, 1966 | 35.20 | June 27, 1967 | 33.42 |
| Apr. 4 | 32.89 | 14 | 31.88 | Dec. 19 | 35.75 | July 28 | 33.97 |
| 18 | 32.00 | 21 | 31.90 | Jan. 24, 1967 | 36.26 | Aug. 25 | 34.39 |
| 25 | 31.17 | 27 | 32.01 | Feb. 21 | 36.56 | Sept. 29 | 35.03 |
| May 6 | 31.16 | July 28 | 32.38 | Mar. 27 | 36.78 | Oct. 25 | 35.53 |
| 13 | 31.19 | Aug. 26 | 33.06 | Apr. 27 | 36.11 | Nov. 24 | 36.04 |
| 19 | 31.51 | Sept. 26 | 33.89 | May 24 | 33.65 | Dec. 22 | 36.35 |
| 24 | 31.73 | Oct. 24 | 34.58 | | | | |

Orleans County

445158N0721550.1. Local number Irasburg 1. Normand Beaulieu. Near Irasburg. Dug unused water-table well in glacial till(?) of Pleistocene age, diam 30 in, depth 15 ft, lined with stone. Lsd about 910 ft above msl. MP top edge of notch chiseled in top of concrete well curb (on east side), 0.50 ft above lsd. Highest water level 3.50 below lsd, May 20, 1967; lowest 13.4 below lsd, Nov. 12, 1964. Records available: 1964-67.

| | | | | | | | |
|---------------|-------|--------------|------|--------------|-------|---------------|-------|
| Oct. 22, 1964 | 13.19 | Aug. 3, 1965 | 9.50 | May 18, 1966 | 4.89 | Mar. 11, 1967 | 10.05 |
| 30 | 13.14 | 10 | 8.90 | 24 | 4.72 | 18 | 9.60 |
| Nov. 6 | 13.25 | 17 | 7.10 | June 1 | 5.80 | 25 | 9.10 |
| 12 | 13.4 | 24 | 6.50 | 8 | 6.85 | Apr. 1 | 7.60 |
| 20 | 13.15 | Sept. 3 | 6.08 | 14 | 7.08 | 8 | 6.75 |
| 26 | 12.10 | 7 | 6.05 | 22 | 7.60 | 15 | 5.70 |
| Dec. 4 | 11.55 | 13 | 6.03 | 29 | 8.24 | 22 | 3.53 |
| 11 | 11.73 | 22 | 6.50 | July 7 | 8.94 | 29 | 4.52 |
| 18 | 11.15 | 29 | 5.50 | 16 | 10.00 | May 6 | 5.30 |
| 24 | 11.77 | Oct. 5 | 5.35 | 23 | 10.60 | 13 | 3.77 |
| 31 | 10.20 | 12 | 4.60 | 30 | 10.87 | 20 | 3.50 |
| Jan. 7, 1965 | 9.53 | 19 | 4.55 | Aug. 6 | 11.20 | 25 | 4.52 |
| 14 | 9.26 | 26 | 4.99 | 13 | 10.88 | June 1 | 4.95 |
| 21 | 9.80 | Nov. 2 | 5.15 | 22 | 9.67 | 8 | 5.25 |
| 28 | 10.10 | 9 | 5.25 | 29 | 9.29 | 15 | 5.00 |
| Feh. 4 | 11.60 | 17 | 4.33 | Sept. 6 | 9.27 | 22 | 4.77 |
| 13 | 11.28 | 23 | 4.37 | 12 | 9.59 | 26 | 4.60 |
| 19 | 11.20 | Dec. 1 | 4.43 | 18 | 10.05 | July 6 | 6.09 |
| 26 | 11.10 | 7 | 3.65 | 24 | 10.29 | 13 | 6.54 |
| Mar. 6 | 10.75 | 14 | 4.87 | Oct. 1 | 9.64 | 20 | 6.57 |
| 13 | 8.65 | 21 | 5.40 | 8 | 9.95 | 27 | 6.62 |
| 20 | 8.35 | 28 | 5.90 | 15 | 10.50 | Aug. 4 | 6.80 |
| 27 | 8.34 | Jan. 4, 1966 | 5.00 | 22 | 10.45 | 10 | 6.81 |
| Apr. 3 | 8.72 | 12 | 6.25 | Nov. 5 | 12.22 | 17 | 6.82 |
| 10 | 8.33 | 19 | 6.95 | 12 | 10.47 | 25 | 6.83 |
| 17 | 6.00 | 26 | 7.50 | 19 | 10.30 | Sept. 7 | 6.88 |
| 24 | 5.55 | Feb. 1 | 8.45 | 24 | 10.03 | 14 | 6.93 |
| May 1 | 5.17 | 8 | 9.20 | Dec. 3 | 9.92 | 21 | 6.98 |
| 11 | 5.95 | 15 | 8.10 | 10 | 8.92 | 28 | 6.52 |
| 15 | 6.37 | 23 | 6.84 | 17 | 7.87 | Oct. 5 | 6.40 |
| 22 | 6.90 | Mar. 3 | 7.57 | 22 | 6.75 | 12 | 5.88 |
| 29 | 7.30 | 9 | 6.77 | 29 | 6.80 | 19 | 5.52 |
| June 6 | 8.00 | 16 | 6.17 | Jan. 7, 1967 | 8.90 | 25 | 5.10 |
| 12 | 8.40 | 22 | 5.59 | 14 | 9.54 | Nov. 2 | 5.27 |
| 19 | 7.54 | 29 | 3.60 | 21 | 9.84 | 9 | 5.42 |
| 27 | 8.13 | Apr. 5 | 4.35 | 26 | 9.70 | 16 | 5.60 |
| July 4 | 8.54 | 13 | 3.80 | Feb. 3 | 7.70 | 22 | 5.68 |
| 11 | 9.60 | 20 | 4.82 | 10 | 8.45 | 30 | 5.60 |
| 17 | 10.88 | 25 | 4.90 | 16 | 8.70 | Dec. 7 | 5.50 |
| 23 | 10.50 | May 5 | 6.00 | 22 | 9.10 | 14 | 5.35 |
| 29 | 10.10 | 12 | 4.80 | Mar. 4 | 10.43 | 21 | 5.10 |

Rutland County

434217N0730106.1. Local number Pittsford 8. U.S. Geol. Survey. In St. Alphonsus Cemetery, rear Pittsford. Bored and driven observation water-table well in glacial sand of Pleistocene age, diam 1½ in, depth 43 ft, well point 40-43. Lsd about 490 ft above msl. MP top of casing, 2.00 ft above lsd. Highest water level 37.1 below lsd, Apr. 29, 1960; lowest 39.59 below lsd, Oct. 18, 1957. Records available: 1957-67.

| | | | | | | | |
|---------------|-------|--------------|-------|--------------|-------|---------------|-------|
| Oct. 18, 1957 | 39.59 | May 1, 1961 | 37.80 | May 16, 1962 | 38.06 | Aug. 15, 1962 | 38.24 |
| Oct. 31, 1958 | 37.95 | July 1 | 37.87 | 25 | 38.02 | 22 | 38.16 |
| Oct. 16, 1959 | 38.64 | Aug. 1 | 37.88 | 30 | 38.08 | 30 | 38.13 |
| Apr. 29, 1960 | 37.1 | Sept. 1 | 37.93 | June 6 | 38.12 | Sept. 5 | 38.18 |
| June 1 | 37.2 | Oct. 1 | 38.23 | 13 | 38.13 | 12 | 38.14 |
| July 1 | 37.3 | Nov. 2 | 38.32 | 20 | 38.20 | 19 | 38.14 |
| Aug. 1 | 37.3 | 30 | 38.24 | 27 | 38.18 | 26 | 38.16 |
| Sept. 1 | 37.7 | Feb. 1, 1962 | 38.11 | July 4 | 38.28 | Oct. 3 | 38.19 |
| Oct. 1 | 37.75 | 28 | 38.32 | 11 | 38.25 | 10 | 38.04 |
| Nov. 3 | 37.77 | Apr. 4 | 38.03 | 18 | 38.28 | 17 | 38.05 |
| Dec. 1 | 37.85 | 13 | 37.96 | 25 | 38.28 | 24 | 38.08 |
| Jan. 2, 1961 | 37.96 | 18 | 38.01 | Aug. 1 | 38.32 | 31 | 38.05 |
| Feb. 1 | 38.06 | 25 | 38.04 | 7 | 38.36 | Nov. 7 | 38.07 |
| Mar. 1 | 37.85 | May 2 | 38.02 | 8 | 38.42 | 14 | 37.99 |
| Apr. 1 | 37.81 | 9 | 38.02 | 8 | 38.44 | 21 | 38.04 |

434217N0730106.1--Continued.

| Date | Water level | Date | Water level | Date | Water level | Date | Water level |
|---------------|-------------|---------------|-------------|---------------|-------------|---------------|-------------|
| Nov. 28, 1962 | 38.04 | Dec. 18, 1963 | 38.25 | Dec. 30, 1964 | 38.44 | Jan. 19, 1966 | 38.30 |
| Dec. 5 | 38.01 | 25 | 38.28 | Jan. 6, 1965 | 38.45 | 26 | 38.30 |
| 12 | 38.04 | Jan. 1, 1964 | 38.30 | 13 | 38.39 | Feb. 2 | 38.25 |
| 19 | 38.01 | 8 | 38.66 | 20 | 38.51 | 9 | 38.24 |
| 26 | 38.02 | 15 | 38.32 | 27 | 38.44 | 16 | 38.20 |
| Jan. 2, 1963 | 38.09 | 22 | 38.26 | Feb. 3 | 38.50 | 23 | 38.12 |
| 9 | 38.08 | 29 | 38.16 | 10 | 38.38 | Mar. 2 | 37.98 |
| 16 | 38.07 | Feb. 5 | 38.14 | 17 | 38.35 | 9 | 37.79 |
| 23 | 38.05 | 12 | 38.23 | 24 | 38.39 | 16 | 37.77 |
| 30 | 38.05 | 19 | 38.24 | Mar. 3 | 38.38 | 23 | 37.73 |
| Feb. 6 | 38.08 | 26 | 38.30 | 10 | 38.34 | 29 | 37.66 |
| 13 | 38.10 | Mar. 4 | 38.31 | 17 | 38.40 | Apr. 6 | 37.69 |
| 20 | 38.09 | 11 | 38.22 | 24 | 38.36 | 13 | 37.66 |
| 27 | 38.15 | 18 | 38.09 | 31 | 38.42 | 20 | 37.68 |
| Mar. 6 | 38.11 | 25 | 38.14 | Apr. 7 | 38.42 | 27 | 37.70 |
| 13 | 38.11 | Apr. 1 | 38.13 | 14 | 38.40 | May 4 | 37.66 |
| 20 | 38.01 | 8 | 38.06 | 21 | 38.38 | 11 | 37.70 |
| 27 | 37.80 | 15 | 38.04 | 28 | 38.36 | 18 | 37.66 |
| Apr. 3 | 37.61 | 22 | 38.05 | May 5 | 38.42 | 25 | 37.65 |
| 10 | 37.57 | 29 | 38.11 | 14 | 38.46 | June 1 | 37.70 |
| 17 | 37.59 | May 6 | 38.16 | 19 | 38.50 | 8 | 37.75 |
| 24 | 37.58 | 13 | 38.17 | 26 | 38.54 | 18 | 37.72 |
| May 1 | 37.50 | 20 | 38.13 | June 2 | 38.60 | 22 | 37.78 |
| 8 | 37.50 | 27 | 38.16 | 9 | 38.60 | 25 | 37.82 |
| 15 | 37.45 | June 3 | 38.23 | 16 | 38.66 | July 6 | 37.87 |
| 22 | 37.42 | 10 | 38.23 | 23 | 38.75 | 13 | 37.85 |
| 29 | 37.47 | 17 | 38.26 | 30 | 38.81 | 20 | 37.88 |
| June 5 | 37.53 | 24 | 38.32 | July 7 | 38.82 | 26 | 37.97 |
| 12 | 37.48 | July 1 | 38.34 | 14 | 38.88 | Aug. 3 | 38.00 |
| 19 | 37.55 | 10 | 38.33 | 21 | 38.94 | 10 | 38.09 |
| 26 | 37.58 | 15 | 38.34 | 28 | 38.96 | 17 | 38.03 |
| July 3 | 37.66 | 22 | 38.40 | Aug. 4 | 39.00 | 20 | 38.03 |
| 10 | 37.67 | 29 | 38.35 | 11 | 38.95 | Sept. 7 | 37.92 |
| 17 | 37.70 | Aug. 5 | 38.50 | 18 | 39.06 | 14 | 37.95 |
| 24 | 37.77 | 12 | 38.50 | 25 | 39.08 | 21 | 37.98 |
| 31 | 37.78 | 19 | 38.53 | Sept. 1 | 39.04 | 25 | 37.86 |
| Aug. 7 | 37.74 | 27 | 38.38 | 8 | 39.06 | Oct. 5 | 37.90 |
| 14 | 37.75 | Sept. 2 | 38.42 | 15 | 39.00 | 12 | 37.93 |
| 21 | 37.76 | 9 | 38.45 | 22 | 38.79 | 19 | 37.86 |
| 28 | 37.86 | 16 | 38.52 | 29 | 38.97 | 23 | 37.90 |
| Sept. 4 | 37.91 | 23 | 38.50 | Oct. 6 | 38.90 | Nov. 21 | 37.87 |
| 11 | 37.99 | 30 | 38.52 | 12 | 38.85 | Dec. 19 | 37.81 |
| 18 | 38.02 | Oct. 7 | 38.57 | 20 | 38.96 | Jan. 23, 1967 | 37.85 |
| 25 | 38.06 | 14 | 38.55 | 27 | 38.83 | Feb. 21 | 37.89 |
| Oct. 2 | 38.06 | 21 | 38.50 | Nov. 3 | 38.85 | Mar. 27 | 37.79 |
| 9 | 38.15 | 21 | 38.53 | 10 | 38.84 | Apr. 26 | 37.43 |
| 16 | 38.15 | 28 | 38.55 | 17 | 38.69 | May 23 | 37.22 |
| 23 | 38.21 | Nov. 4 | 38.55 | 24 | 38.59 | June 26 | 37.23 |
| 30 | 38.22 | 12 | 38.52 | Dec. 1 | 38.50 | July 27 | 37.23 |
| Nov. 6 | 38.25 | 18 | 38.53 | 8 | 38.50 | Aug. 25 | 37.33 |
| 13 | 38.20 | 25 | 38.52 | 15 | 38.50 | Sept. 28 | 37.38 |
| 20 | 38.22 | Dec. 3 | 38.53 | 22 | 38.48 | Oct. 26 | 37.45 |
| 27 | 38.15 | 9 | 38.54 | 29 | 38.36 | Nov. 27 | 37.47 |
| Dec. 4 | 38.24 | 17 | 38.48 | Jan. 5, 1966 | 38.34 | Dec. 22 | 37.35 |
| 11 | 38.25 | 23 | 38.50 | 13 | 38.30 | | |