Water Levels and Artesian Pressures in Observation Wells in the United States 1955

Part 2. Southeastern States

Prepared under the direction of A. N. SAYRE, *Chief, Ground Water Branch*

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PREFACE

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

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WATER LEVELS AND ARTESIAN PRESSURES IN OBSERVATION WELLS IN THE UNITED STATES IN 1955

Part 2. SOUTHEASTERN STATES

INTRODUCTION

By A. N. Sayre

The publication of records of water levels and artesian pressures annually in the United States was begun by the Geological Survey in 1935. Prior to 1940 the records for each year were published in a single volume--1935, 777; 1936, 817; 1937, 840; 1938, 845; 1939, 886. Since 1940, records have been published in six annual volumes, covering the northeastern, southeastern, north-central, south-central, northwestern, and southwestern sections of the country. Hawaii is included in the southwestern section. The following table gives the numbers of Water-Supply Papers from 1940 through 1955.

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

The objectives of the observation-well program are to provide a day-to-day evaluation of available ground-water supplies, to facilitate the prediction of trends in ground-water levels that will indicate the probable status of important ground-water supplies in the future, to delineate present or potential areas of detrimentally high or low ground-water levels, to aid in the prediction of the base flow of streams, to determine the several forces that act on a ground-water body, and to demonstrate the interplay of those forces in the ground-water regimen, to furnish information for use in basic research, and to provide long-term continuous records of fluctuations of water levels in representative wells. These selected records serve as a framework to which many short-term records collected during an intensive investigation may be related.

Water levels in wells are seldom stationary but move up or down a fraction of an inch or many feet within a short time. Water-table wells may be influenced by direct recharge from precipitation, withdrawals from wells or springs, transpiration by vegetation, evaporation from the soil, and changes in atmospheric pressure. Artesian wells are influenced over large areas by changes in the rate of pumping from other wells, changes in atmospheric pressure, earthquakes, ocean tides, earth tides, and recharge from precipitation, although the recharge may not be noticeable immediately. When accurate comparisons of water levels are made it is desirable to apply corrections for these influences, several of which may be compensating or additive according to the conditions at those particular times.

Water-level measurements are given in feet with reference to land-surface datum or sea-level datum. Land-surface datum is a precise datum plane that is approximately at land surface at each well. Mean sea level (msl) is the datum plane on which the national network of precise levels is based. When some measurements in a table are above and others are below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column. Readings between plus signs are above the plane of reference and those between minus signs are below the plane of reference.

For the most part, discussions of precipitation in this report are based on data furnished by the United States Weather Bureau.

Measurements of water levels and artesian pressures in wells were made under the direction of the district supervisors of the Ground Water Branch in the several States.

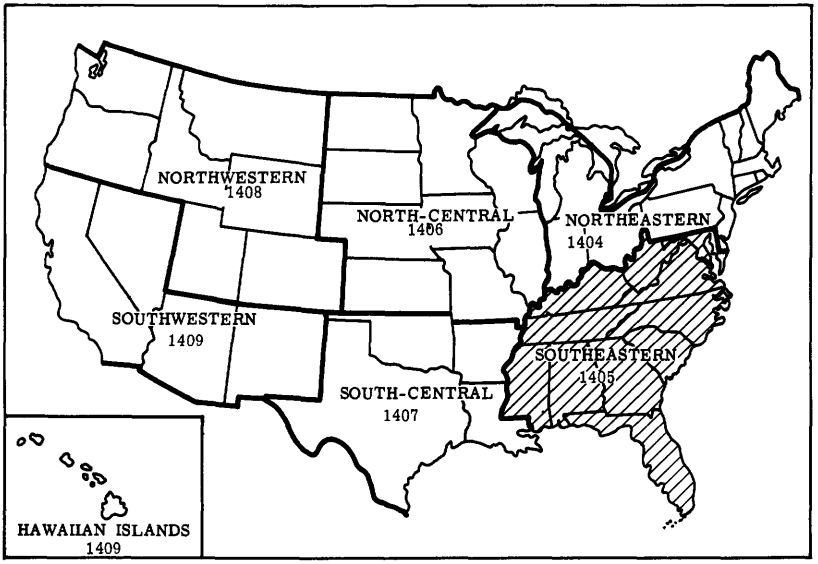


Figure 1. --Outline map of the United States showing areas included in each of the six water-supply papers on water levels and artesian pressures in observation wells in 1955. The shaded area indicates the States included in this volume.

Verda M. Dougherty was responsible for the compilation of the report and Rodney Hart edited the illustrations.

ALABAMA

By D. M. O'Rear

Scope of Water-Level Program

The observation-well program in Alabama, begun in 1940 in cooperation with the Geological Survey of Alabama, was continued in 1955. Water-level data were collected from 30 wells, 25 of which are equipped with recording gages, 2 are measured weekly, and 3 are measured monthly. Figure 2 shows the physiographic provinces and location of the observation wells in the State. Detailed reports on the ground-water studies in Madison County and the Monroeville area, a progress report on Montgomery County, and a map showing the geology along State Highway 100 in Wilcox County were prepared during 1955. A detailed report on the ground-water studies in Wilcox County, a reconnaissance report on Lowndes County, and progress reports on Marengo and Escambia Counties were in course of preparation. Reports entitled, "Progress report on ground-water studies in the Huntsville area, Alabama," by Thomas H. Sanford, Jr., and "Water levels and artesian pressures in Alabama, 1954," by D. M. O'Rear and D. B. Knowles, were published as Geological Survey of Alabama Information Series 1 and 2, respectively. A map, "Profile showing geology along State Highway 17, Choctaw County, Ala.," by L. D. Toulmin and P. E. LaMoreaux, was published as Geological Survey of Alabama Special Map 8. A report, "Geology and ground water of the Piedmont area of Alabama, a reconnaissance report," by Jack Baker, is in press as Special Report 23 of the Geological Survey of Alabama. Ground-water data were furnished in 1955 in response to inquiries from 60 municipal, 89 industrial, 58 agricultural (irrigation), 203 private, and 54 State and Federal sources. Detailed ground-water investigations were begun in Colbert and Lauderdale Counties and were continued in Escambia, Jefferson, Lowndes, Madison, Marengo, Montgomery, Talladega, Tuscaloosa, and Wilcox Counties (fig. 3).

Precipitation

Precipitation in Alabama, mostly rainfall, is reflected in the fluctuations of water levels in water-table wells generally within a few days or even, in some wells, within a few hours. Similarly, periods of prolonged drought are reflected in the fluctuations of water levels in these wells. In artesian wells the fluctuations of water levels due to rainfall appear long after the time of occurrence. This lag is generally several days, and, in some wells, several months. In Alabama the rainfall generally is heaviest in the late winter and early spring, a period of maximum recharge to the ground-water reservoir. During July, August, and September, rainfall is intermittent. These rains, at times torrential, contribute some recharge to the ground-water reservoir, although a large part of the water runs off in streams. Records from the Weather Bureau show that rainfall was below average throughout much of 1955. The 48.01 inches of precipitation that fell in 1955, although 5.18 inches below the average for the 72 years of record, was substantially above the 34.36 inches recorded during the severe drought of 1954. January was the thirteenth consecutive month of below-average rainfall. February was slightly above average; March was substantially below average; but numerous thunderstorms brought rainfall totals above the average for April and May. The precipitation in June was deficient, but in July it was above average. Precipitation during the remainder of 1955 was below average, December being the fourth driest since record began in 1884. Temperatures ranged from 5.1° F below normal in June, the coolest since record began in 1884, to 3.1° F above normal in March, averaging 0.1° F below normal throughout 1955. Temperature extremes ranged from a low of 6° F, recorded at Sylacauga on February 13, to a high of 102° F, at Demopolis Lock and Dam on July 6.

Pumpage

Data on ground-water withdrawals are collected at Selma, Montgomery, and Foley, all areas of heavy annual or seasonal pumping. Pumpage records by the Selma Waterworks during 1955 show a minimum withdrawal of about 1.8 mgd (million gallons per day) during the winter, a maximum of 3.9 mgd during the summer, and an average withdrawal of 2.7 mgd, compared to the average of 2.9 mgd in 1954. The water level in Dls-2 in the Selma well field has shown gradual seasonal declines from 1949 to 1955, mainly in response to increased seasonal withdrawals. It has recovered to average or near-average stages during each winter and, in 1955, was above average, owing to decreased withdrawals during the winter and a redistribution of pumping in the well field (fig. 7). In the Montgomery area, total withdrawals are recorded for both pumping stations (the Day Street station and the Court Street station), but records are not kept for individual wells.

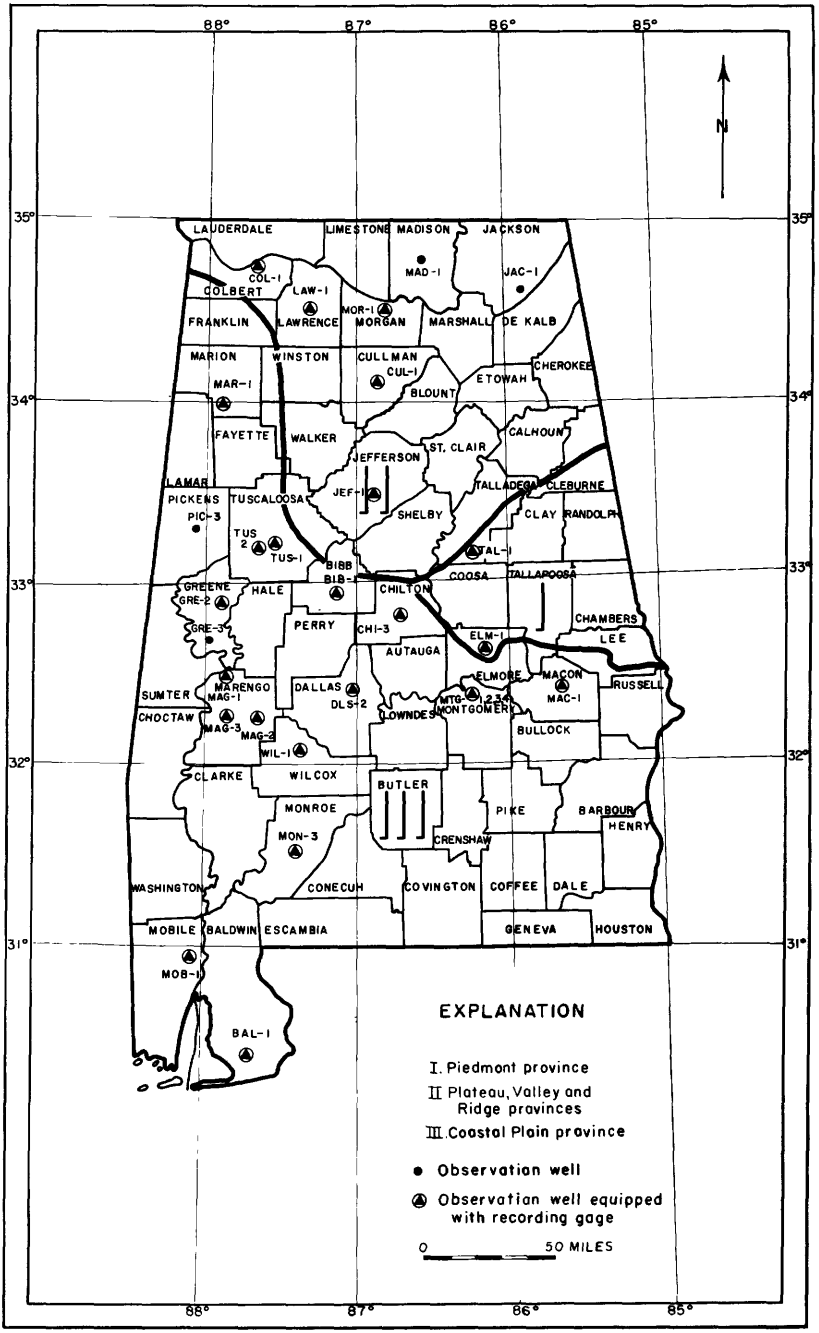


Figure 2. --Physiographic provinces and location of observation wells in Alabama, 1955.

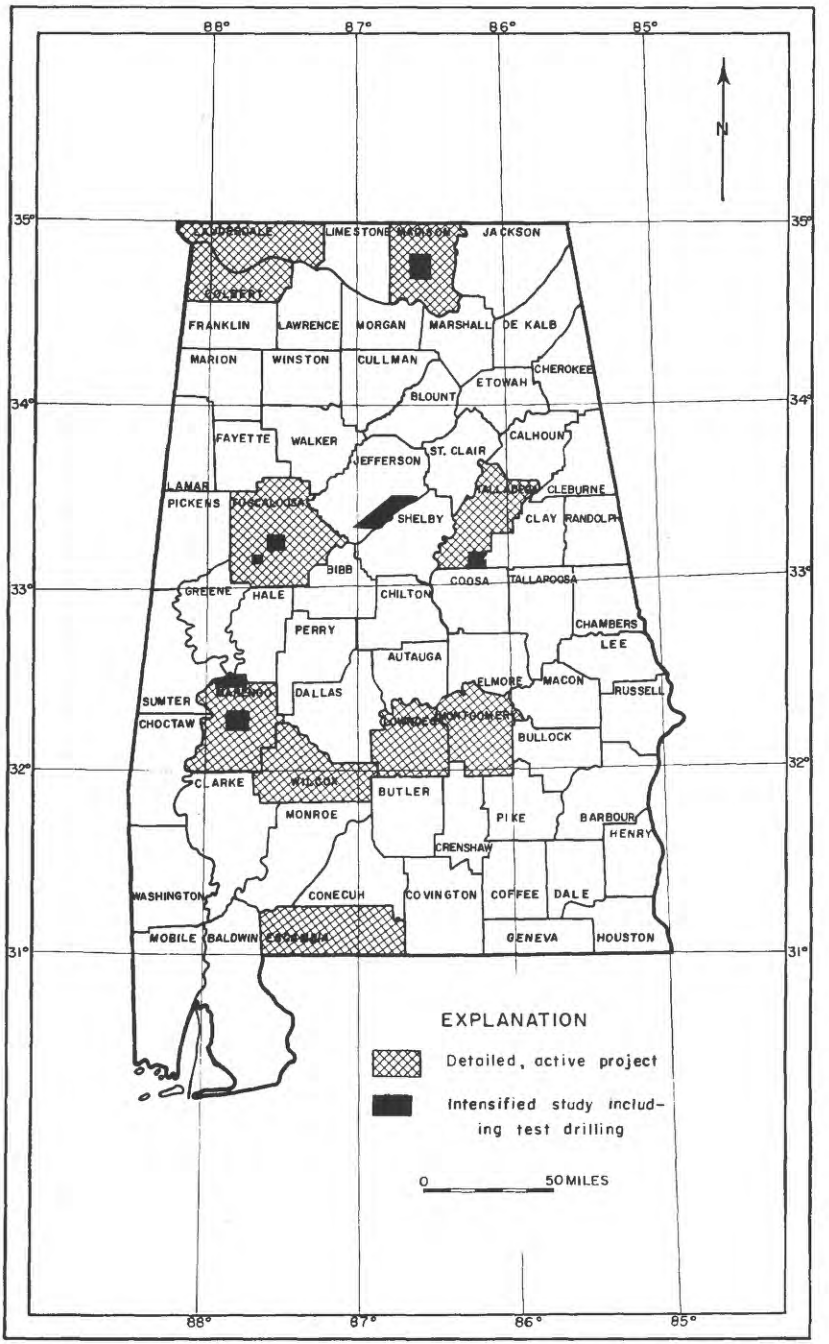


Figure 3. --Location of areas of detailed ground-water investigations in Alabama, 1955.

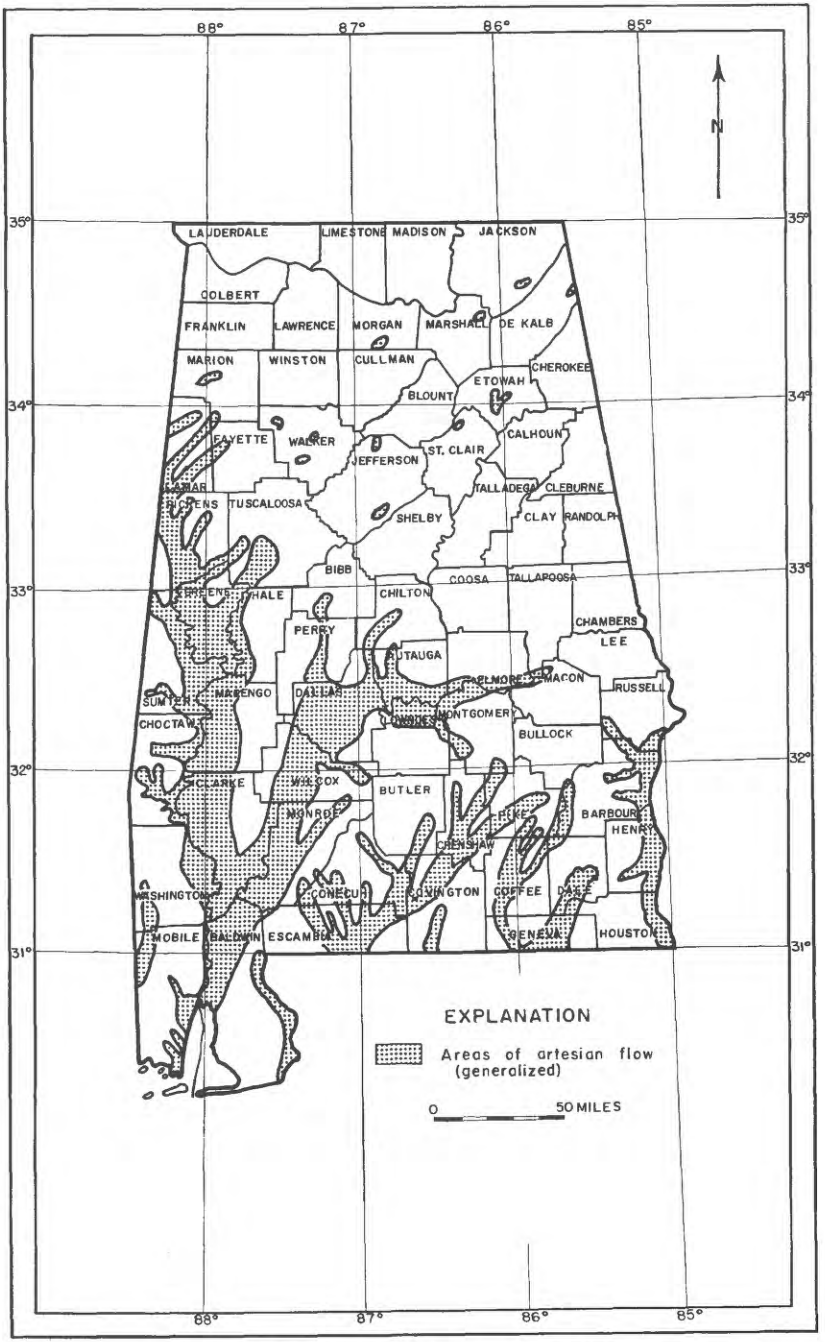


Figure 4. --Location of areas of artesian flow in Alabama.

The Day Street station pumped an average of 8 mgd, and the Court Street station pumped an average of 5 mgd during 1955. The detailed ground-water study, begun in 1950, was continued in 1955 to investigate and to evaluate the present well field and to collect data for use by the city in locating new sources of supply. Municipal use at Foley averaged about 0.2 mgd. Maximum pumpage, averaging about 0.3 mgd, is during the potato-washing season in May and June.

Interpretation of Water-Level Fluctuations

Water-level fluctuations can be caused by rainfall and drought, withdrawals by pumping, natural discharge, barometric-pressure fluctuations, surface loading, including earth and ocean tides, and earthquakes. Shallow water-table wells and springs respond with rising water levels or increased spring flows within a few hours or a few days after precipitation and with declining water levels or decreased spring flows during periods of no rainfall (fig. 5). The effect of rainfall on water levels in deep wells usually lags days or weeks behind precipitation. Persistent decline in water levels in some parts of Alabama is the result of pumping from closely spaced wells of large capacity or of uncontrolled flow from wells in artesian basins. Many users of shallow water-table wells experience shortages during the summer when the water table declines below the bottom of the wells. Graphs from recording gages on some wells show the effect of changes in barometric pressure on water levels (fig. 6). An increase in the barometric pressure causes a decline of water levels, and a decrease causes a rise. The fluctuations are generally small, rarely exceeding 0.1 foot in a daily cycle. Loading the land surface due to the passing of a railroad train causes fluctuations in water level in some wells. Such fluctuations generally appear as vertical lines on recorder graphs because the time scale used is too small to record them in any greater detail. Earth tides, which are caused by the forces exerted on the earth's surface by the sun and the moon, may produce water-level fluctuations in artesian wells. These fluctuations are obscured by changes in barometric pressure, but after adjustments have been made for these effects, a rise in water levels has been observed to occur near moonrise and moonset and a decline near the upper and lower culminations of the moon. Water-level fluctuations in many wells in Alabama have been correlated with earthquakes. The water level first rises, then falls, and finally returns to the former stage. The amount of the rise and fall of the water level with respect to the previous position is about the same. Water levels in wells of known sensitivity to earthquakes in Alabama are correlated closely with notices of Preliminary Determination of Epicenter, published by the U.S. Department of Commerce.

Physiographically, Alabama may be divided into the Piedmont, the Plateau, Valley and Ridge provinces and the Coastal Plain (fig. 2). The Piedmont province is underlain by metamorphic schist and gneiss into which younger igneous rocks have been injected. Wells in this area generally yield less than 10 gpm (gallons per minute) and rarely more than 50 gpm. Only about 10 percent of the municipalities in the area use ground water, and most of the private farms obtain only small supplies from wells and springs. In some parts of the Piedmont, however, large quantities of ground water are developed from limestone, marble, and dolomite. The principal source of water for the city of Sylacauga in Talladega County is two drilled wells in the Sylacauga marble member of the Talladega slate that yield 700 and 900 gpm each. Two industrial wells in Sylacauga have reported yields of more than 200 gpm. In 1955, the water level in artesian well Tal-1 at Sylacauga, which fluctuates mainly in response to pumping, recharge, and change in barometric pressure, rose steadily to a new high (6.83) on April 17, then gradually declined, fluctuating slightly, until it reached a new low (39.78) on December 31. Fluctuations of water level in unused artesian well Elm-1 at Eclectic are caused mainly by recharge and barometric influences. In 1955, the water level rose until the end of April, after which it gradually declined until the end of the year. Slight daily fluctuations, probably barometric, reaching a high about noon and a low about midnight and averaging about 0.1 foot, were noted.

In northern Alabama, the sandstones, limestones, cherts, and dolomites of Paleozoic age are important sources of ground water, and 60 percent of the municipal and industrial supplies and all of the private water supplies are obtained from these rocks. Yields from wells in this area range from less than 10 to more than 1,000 gpm; yields in excess of 200 gpm are common. Industrial expansion in the Tennessee Valley area of Alabama was possible mainly because of plentiful ground-water supplies. Col-1 is an index well in limestone in the Sheffield-Muscle Shoals area of the Tennessee River drainage basin, an area requiring large amounts of water because of rapid industrial expansion. The fluctuations of water level are closely correlated with rainfall (fig. 5). The water level rose to a record high (5.30) on March 21, then gradually declined until late October, after which it fluctuated slightly because of rainfall and nearby pumping until the end of the year. The level in water-table well Cul-1, an index well in the Pottsville formation on the Tennessee River-Warrior River drainage divide, fluctuates in response to rainfall and to seasonal pumping at a nearby cotton-oil mill in the area. In 1955, the water level rose to a new high (16.8) for the 4-year period of record on February 23 and then gradually declined during the spring and summer. It rose sharply to equal the February high on August 17, declined slowly until November, then recovered for the remainder of the year. The level in water-table well Jac-1, established as an index well by the TVA in the Scottsboro area of the Tennessee River drainage basin, can be closely correlated with precipitation, responding within a few hours after rainfall. The water level, which is measured weekly, was below average throughout 1955. However, it did not go dry as it did from October 4 to November 29 in 1954. Jef-1 is an artesian

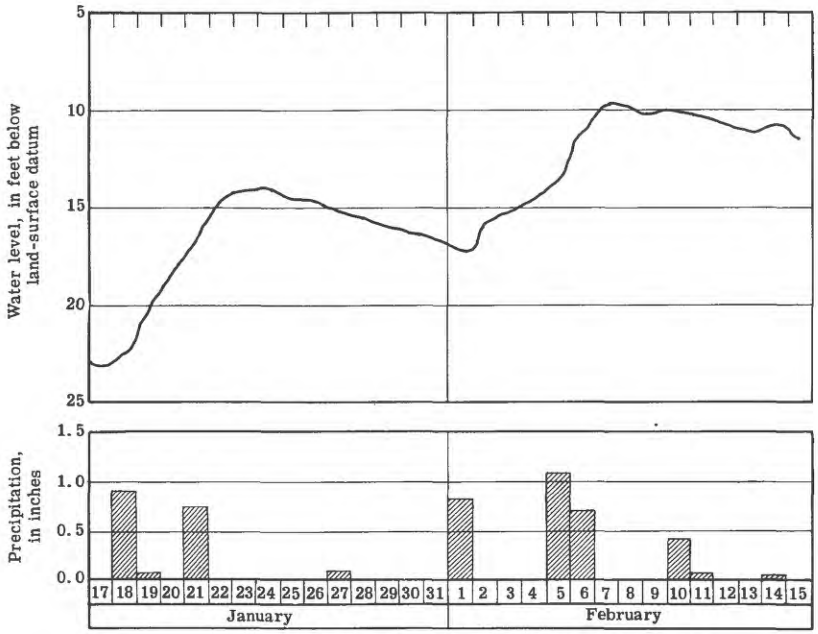


Figure 5. --Changes in water level in well Col-1 and precipitation at Muscle Shoals, Ala., Jan. 17-Feb. 15, 1955.

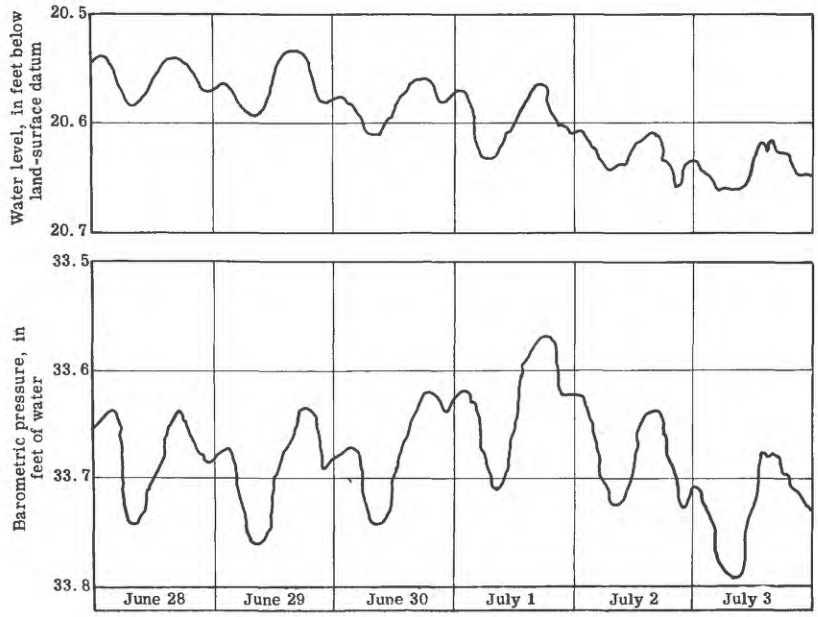


Figure 6. --Changes in water level in well Tus-2 and barometric pressure at Tuscaloosa, Ala., June 28-July 3, 1955.

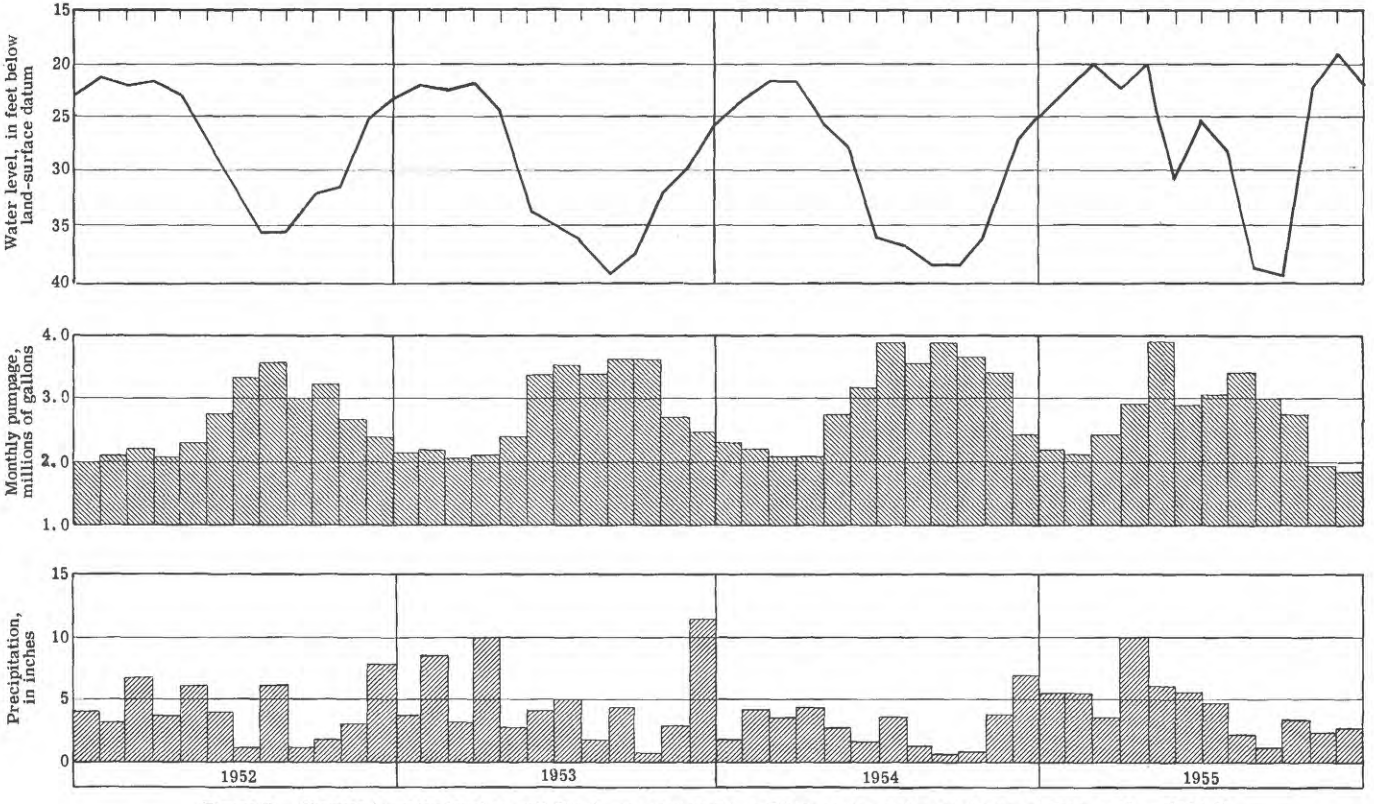


Figure 7. --Changes in water level in well Dls-2, pumpage at Selma Waterworks, and precipitation at Selma, Ala., 1952-55.

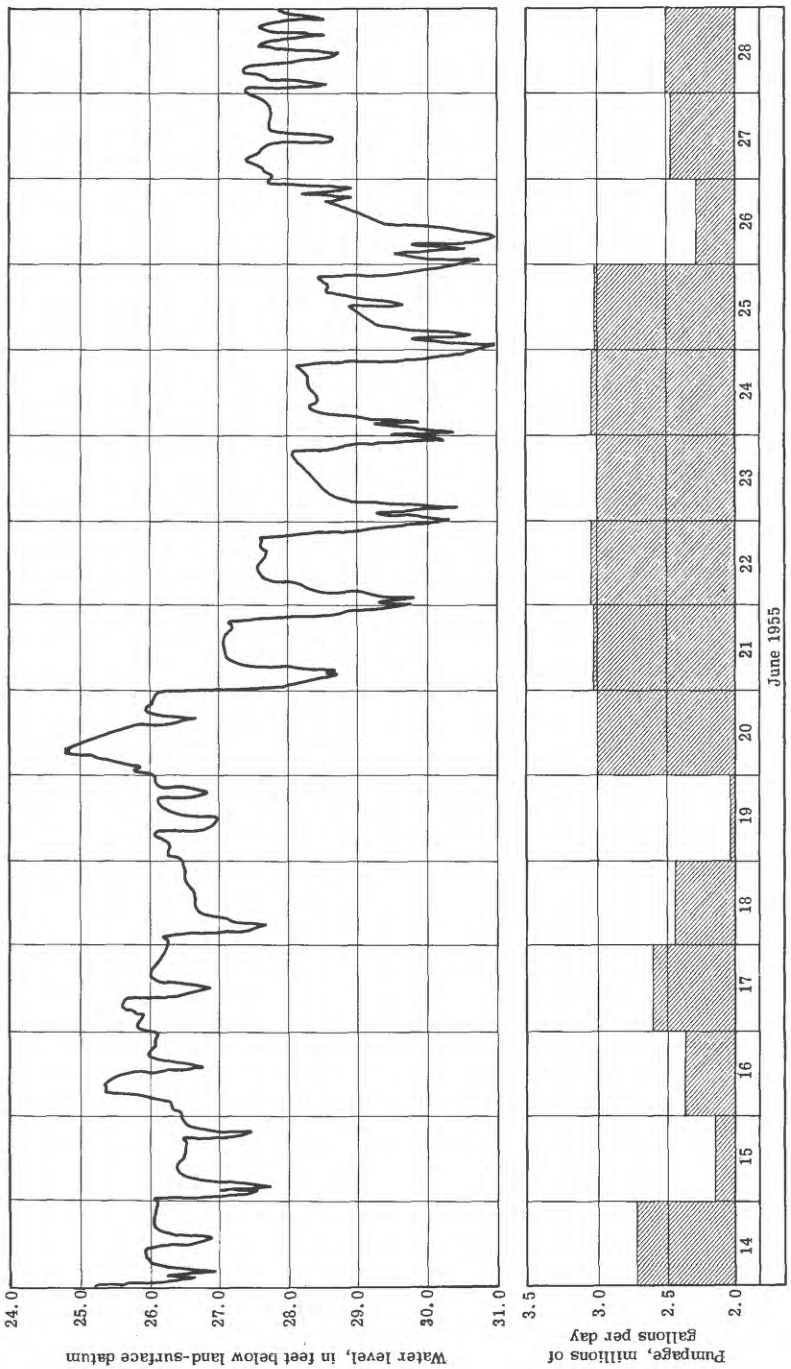


Figure 8.--Changes in water level in well Dls-2 and daily pumpage at Selma Waterworks, Ala., June 14-28, 1955.

well developed in the Bangor limestone as part of a mining-hydrology study in the Birmingham area. The water level, which responds to precipitation within a few hours, rose to a record high (44.63) in April and then gradually declined to the low for the year (68.84) in November. The November 1955 recorder readings averaged about 12 feet higher than in November 1954. Fluctuations of the water level in artesian well Mad-1 in the Fort Payne chert are caused mainly by recharge and pumping. The water level rose gradually to the high for the year (51.04) on April 14, then declined to the 1955 low (58.69) on November 7, after which it recovered steadily for the remainder of the year. Rainfall and barometric-pressure changes are reflected in the water level in artesian well Mar-1 in sandstone of the Pottsville formation. The water level declined slightly in January, rose to the high for 1955 (8.36) on April 18, then declined steadily to the low for the year (11.68) on November 16, after which it recovered for the remainder of the year.

In the Coastal Plain area in the southern half of Alabama, water-bearing sand, gravel, and porous limestone interbedded with clay, chalk, marl, and impermeable limestone supply water for nearly all municipal, industrial, and private use. Wells in this area yield from less than 10 to more than 1,000 gpm; yields of 500 gpm or more are common. Artesian wells, both flowing and nonflowing, are used by many municipalities, industries, and farms. Figure 4 is a generalized map showing the areas of artesian flow in the State. Many artesian wells flow unchecked whether or not the water is used. The unchecked flow from some wells and the concentrated pumping of high-capacity wells have caused water-level declines in the artesian basins, particularly in the Mobile and Montgomery areas. Nonflowing artesian well Bal-1 in the Riviera Utilities well field shows no water-level fluctuations that can be correlated with rainfall. However, the water level is affected by pumping to the extent that such fluctuations probably would be obscured. In 1955, the water level gradually declined, fluctuating slightly in response to nearby pumping, to the lowest stage (30.4) of the 6-year period of record on November 28. The water level in artesian well Bib-1 in sand of the Tuscaloosa group can be correlated closely with rainfall and, to some extent, with barometric fluctuations. The water level rose to the high (21.7) for 1955 on April 14, gradually declined to the low (30.3) on October 24-27 and November 3, then fluctuated slightly for the remainder of the year. Water-table well Chi-3 at Clanton is near the contact of the sands and gravels of the Coastal Plain with the metamorphic and igneous rocks of the Piedmont area. The water level in well Chi-3 responds to substantial rainfall, generally within 24 hours. In 1955, the water level rose gradually, fluctuating slightly in response to rainfall, to the high for the year (2.72) on August 6, then declined to the low (6.57) on November 3, 4, and 8, after which it rose for the remainder of the year.

The water-level fluctuations in artesian well Dls-2, developed in sand of the Eutaw formation in the city of Selma well field, reflect the effects of the concentrated pumping in that area. A hydrograph (fig. 7) shows the correlation between water level, pumpage, and precipitation for the period 1952-55. Figure 8 is a hydrograph showing in detail the correlation between the water level and daily pumpage for the period June 14-28, 1955. Because of seasonal demands for water, the level is highest in the winter and spring and lowest in midsummer and early fall. Gre-2, a flowing well at Boligee, and Gre-3, in the city of Eutaw well field, are index wells in sand of the Eutaw formation in the Tombigbee River artesian basin. The pressure is measured periodically in well Gre-2 which is occasionally pumped for municipal use. The water level declined to the lowest of the year (+4.21) on October 28, mainly because of uncontrolled discharge from the large number of flowing wells in the area. Gre-3 is not affected by the concentrated pumping of the municipal wells, as they are developed in a different aquifer. The water level declined, fluctuating slightly, to the lowest of record (38.84) on October 25, 0.25 foot lower than in October 1954. Water levels are generally highest in late winter and early spring and lowest in late summer and early fall in artesian wells Mag-1, Mag-2, and Mag-3, perforated in sand of the Eutaw formation. The water level in well Mag-1, in an area of relatively heavy pumping and of concentration of flowing wells, fluctuates mainly in response to ground-water withdrawals. In 1955 the level was highest in January, declined to the lowest of record (12.81) on August 26, then recovered steadily, fluctuating slightly in response to pumping, for the remainder of the year. Mac-1 at Tuskegee Institute is an artesian well tapping sand of the Tuscaloosa group. Pumping in the area is almost continuous, and the only large-scale fluctuations in water level result from stopping or starting of pumps. The lowest water level for the year (74.05) was recorded on January 1; the highest (70.53) on July 19. Water-level fluctuations in Mob-1, a test well in the heavily pumped well field of the Courtaulds rayon plant about 18 miles north of Mobile, are caused mainly by rainfall and by large-scale pumping from wells in the area. In 1955 the water level gradually declined, fluctuating slightly in response to pumping from the well field, to the lowest of record (42.04) on July 11 and August 5, then rose slowly to the high for the year (39.90) on November 11. The water-level fluctuations in Mon-3 at Monroeville, an index well in shallow sand and gravel deposits of Miocene and Pliocene age and limestone of Eocene and Oligocene age, correlate closely with rainfall and with changes in barometric pressure. The water level was low in January, declined gradually to a record low (65.12) on April 7, rose slowly to the highest for the year (62.13) in late June, remained high until September, then declined slowly for the remainder of the year. Four nonflowing artesian wells, Mtg-1, -2, -3, and -4, in the heavily pumped Montgomery well fields are equipped with recording gages. Mtg-1 in the old northeast (Court Street) well field is an index well drilled to sand of the Tuscaloosa group. Mtg-2 in the west (Day Street) well field is in sands of both the Eutaw formation and the Tuscaloosa group. Mtg-3 and Mtg-4, also in the west field, are in sands of the Eutaw formation and Tuscaloosa group, respectively. Water-level fluctuations in these wells are mainly in response to pumping. In 1955 the water levels, fluctuating slightly in response to pumping, were highest in April, declined gradually to record lows

between September 30 and October 3, then rose slowly for the remainder of the year. Monthly measurements of water level are made in Pic-3, an artesian well in sand of the Tuscaloosa group. Fluctuations of the water level are seasonal, the lowest being in late summer and early fall and the highest in late winter and spring. Tus-1, at the University of Alabama, is a water-table well in sand and gravel of the Tuscaloosa group. Tus-2, at the Tuscaloosa plant of the B. F. Goodrich Tire & Rubber Co., is developed in alluvial deposits of sand and gravel. Water-level fluctuations in these wells are mainly in response to rainfall and changes in barometric pressure (fig. 6). The level in Tus-1 rose from the lowest of record (27.86) on January 10, 11, and 13 to the highest of record (24.92) on May 13, then declined slowly for the remainder of the year. Water-level fluctuations in Wil-1 at Camden, an artesian well in sand of the Ripley formation, are mainly in response to pumping in the area. Fluctuations of 20 feet or more in a 1- to 3-day period are not uncommon. The low stages occur in the late summer and early fall, and the high in late winter and early spring. A new record low (130.92) was reached on September 18.

Acknowledgments

Acknowledgment is made of the assistance of E. F. Ivey of the H. K. Ferguson Co., Inc., for maintaining the recording gage on the observation well at Courtaulds, Inc., Mobile. The Montgomery Waterworks Superintendent, the Selma Waterworks Superintendent, and the Riviera Utilities Superintendent, at Foley, supplied pumpage data.

Well-Numbering System

Wells are listed serially within each county. The letters of the prefix are derived from the county names. For example, well 1 in Baldwin County is Bal-1, and well 3 in Montgomery County is Mtg-3.

Well Descriptions and Water-Level Measurements

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

Baldwin County

Bal-1. Riviera Utilities. Formerly City of Foley. In waterworks lot. SE¼NW¼ sec. 29, T. 7 S., R 4 E. Drilled unused artesian well in sand and gravel of Citronelle formation, diameter 24 to 12 inches, depth 146 feet, cased to 146. Land-surface datum is 76 feet above msl. Highest water level 16.0 below lsd, Sept. 26, 1949; lowest 30.4 below lsd, Nov. 28, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	25.3	25.7	28.3	....	28.8	29.1	....	29.5	29.9	29.5	29.5	29.7
2	25.4	25.8	28.2	....	28.9	29.1	....	28.2	29.7	27.3	29.5	29.7
3	26.3	27.8	28.3	....	28.9	29.2	....	29.6	29.7	29.5	29.5	29.8
4	26.4	27.9	28.3	28.6	28.9	29.1	....	....	29.8	29.5	29.5	27.5
5	27.9	29.2	28.2	28.6	28.9	28.7	28.2	....	29.2	29.5	29.5	29.7
6	25.5	25.8	28.3	28.7	28.8	29.1	29.5	....	28.2	29.8	27.2	29.8
7	25.5	25.8	28.3	28.7	28.7	29.1	28.1	....	29.6	29.8	29.6	29.9
8	25.5	25.8	28.4	28.7	28.8	29.1	29.5	29.5	29.7	29.7	29.6	30.3
9	25.5	25.8	28.4	28.6	29.9	29.1	28.1	28.2	29.6	....	29.5	29.9
10	25.6	25.7	28.4	28.6	29.0	29.2	28.2	29.5	29.7	28.3	29.6	29.8
11	25.6	25.9	28.4	28.6	....	28.7	29.4	28.2	28.4	29.6	27.3	29.8
12	26.7	25.0	28.5	28.6	....	26.9	28.2	29.5	28.4	29.4	29.5	29.8
13	26.8	25.8	28.5	28.6	....	29.1	29.5	28.2	29.6	29.5	27.3	29.9
14	27.2	28.1	28.5	28.7	....	29.2	28.2	27.2	29.7	29.6	29.6	29.9
15	25.6	28.1	28.5	28.7	....	27.9	29.5	29.5	29.6	....	29.7	29.9
16	25.6	28.2	28.5	28.7	28.3	29.3	28.1	28.2	29.6	....	29.7	29.9
17	27.2	28.2	28.5	28.7	29.2	27.9	28.2	29.6	30.1	29.7	29.7	29.9
18	26.1	28.2	28.5	28.8	29.0	29.3	29.5	28.3	29.7	29.7	29.7	29.8
19	26.2	28.2	28.6	28.8	29.0	26.9	29.5	29.6	30.1	29.7	29.7	29.9
20	26.3	28.2	26.2	28.8	28.9	27.9	29.5	28.3	29.1	29.8	29.7	29.8
21	25.7	28.3	29.7	28.7	28.9	28.8	28.1	30.3	29.6	29.6	29.7	29.8
22	25.7	28.2	28.7	28.7	29.0	27.5	29.5	29.7	29.7	29.7	29.7	29.8
23	25.7	28.2	28.6	28.8	29.0	28.9	29.6	29.6	29.6	29.7	29.9	29.8
24	25.7	28.2	28.7	28.8	29.0	27.5	28.2	29.8	30.0	29.7	28.4	29.8
25	25.7	28.3	29.1	28.8	29.0	28.8	29.7	29.8	29.7	29.7	29.7	29.8
26	29.0	28.3	29.1	28.8	29.0	27.5	28.3	29.7	29.6	29.7	29.7	....
27	29.0	25.9	28.6	28.8	29.0	29.4	29.5	29.8	29.6	29.7	27.5	....
28	25.8	28.3	28.6	28.8	28.7	28.0	28.2	29.7	28.3	29.7	30.4	....
29	25.8		28.6	28.9	27.3	29.4	29.5	29.9	29.6	29.7	29.7	....
30	25.8		....	28.9	28.9	29.4	28.5	29.8	29.4	28.3	29.7	....
31	25.7		....		29.1		27.2	29.8		29.5		....

Bibb County

Bib-1. Centreville Gin and Cotton Co. SE¼SW¼ sec. 25, T. 23 N., R. 9 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 404 feet, cased to 80. Land-surface datum is 230.93 feet above msl. Highest water level 18.00 below lsd, Apr. 2, 1951; lowest 32.3 below lsd, Oct. 16-17, 20, 22-24, 26, 30-Nov. 1, 1954. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	29.1	28.7	27.0	27.4	26.8	26.2	28.5	....	29.2	30.1	30.2	29.7
2	29.0	28.9	27.2	27.3	27.0	26.4	28.6	....	29.2	30.1	30.2	29.7
3	28.8	29.1	27.3	26.5	27.1	26.6	28.5	....	29.3	30.1	30.3	29.3
4	29.1	29.1	27.4	26.4	27.2	26.7	28.6	....	29.3	30.1	30.2	29.0
5	29.4	29.1	27.5	26.6	27.3	26.8	28.5	....	29.3	30.1	30.2	29.0
6	29.8	28.7	27.6	26.6	27.4	26.9	28.4	....	29.3	30.1	30.1	29.0
7	29.9	25.4	27.6	26.5	27.5	27.1	27.8	....	29.4	30.0	30.1	29.1
8	30.1	24.3	27.6	25.1	27.6	27.2	27.7	....	29.5	30.0	30.1	29.3
9	30.2	25.3	27.7	25.3	27.7	27.3	27.7	....	29.5	29.9	30.0	29.5
10	30.1	26.0	27.7	25.4	27.8	27.3	27.8	....	29.5	29.9	30.1	29.5
11	29.7	26.4	27.8	24.5	27.9	27.2	27.5	....	29.5	29.9	30.2	29.5
12	29.1	26.7	27.9	23.3	27.9	27.3	27.3	....	29.5	29.9	30.2	29.6
13	29.2	26.8	28.0	23.2	27.9	27.5	27.4	....	29.5	30.0	30.1	29.6
14	29.2	27.0	28.1	22.3	27.8	27.5	27.5	....	29.6	30.0	29.9	29.6
15	29.3	27.1	28.2	23.2	27.8	27.4	27.7	....	29.5	30.0	29.8	29.7
16	29.3	27.2	28.3	23.9	27.8	27.1	27.8	....	29.6	30.0	30.0	29.7
17	29.2	27.2	28.3	24.4	27.8	27.1	28.0	....	29.6	30.1	30.0	29.7
18	29.1	26.9	28.4	24.8	27.9	27.2	28.1	....	29.6	30.2	29.8	29.7
19	29.0	27.0	28.3	25.0	28.0	27.3	28.3	....	29.7	30.2	30.0	29.6
20	28.5	27.1	27.8	25.2	28.0	27.5	28.4	....	29.8	30.2	30.0	29.5
21	28.4	27.2	26.1	25.3	27.8	27.6	28.5	28.8	....	30.2	29.9	29.5
22	28.5	27.2	26.3	25.3	27.2	27.7	28.4	28.9	....	30.2	30.0	29.5
23	28.6	26.5	25.3	25.4	26.5	27.8	28.0	28.9	....	30.2	....	29.6
24	28.8	26.0	25.7	25.7	25.9	27.9	27.3	29.0	....	30.3	....	29.6
25	28.0	26.2	26.3	26.0	24.6	28.0	27.1	29.0	....	30.3	....	29.6
26	28.1	26.4	26.6	26.1	25.3	28.1	26.9	29.1	30.0	30.3	....	29.7
27	28.3	26.6	26.8	26.3	25.8	28.2	27.0	29.1	30.0	30.3	....	29.8
28	28.4	26.8	27.0	26.5	26.1	28.3	27.2	29.1	30.0	30.2	....	29.8
29	28.5		27.1	26.6	26.1	28.3	27.3	29.2	30.0	30.1	29.7	29.8
30	28.6		27.3	26.7	25.6	28.4	27.4	29.2	30.0	30.2	29.7	29.9
31	28.7		27.4		25.9		27.4	29.2		30.2		29.8

Chilton County

Chi-3. U. S. Geol. Survey. Clanton. In waterworks lot. NE¼SE¼ sec. 35, T. 22 N., R. 14 E. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 34 feet, cased to 34, screen 26-32. Land-surface datum is 571.56 feet above msl. Highest water level 2.25 below lsd, May 8, 1953; lowest 9.52 below lsd, Nov. 2-3, 1954. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.23	5.46	5.50	5.50	5.16	3.87	5.63	3.10	4.41	5.95	6.51	5.54
2	6.09	5.63	5.57	5.10	5.25	3.90	5.70	2.97	4.45	6.01	6.50	5.40
3	6.14	5.70	5.61	4.73	5.31	4.01	5.73	3.00	4.57	6.02	6.57	4.93
4	6.17	5.74	5.66	4.85	5.31	4.08	....	3.09	4.61	6.01	6.57	4.97
5	6.17	5.64	5.68	4.92	5.35	4.13	....	2.73	4.64	....	6.52	5.01
6	6.26	5.20	5.73	4.92	5.38	4.14	....	2.72	4.65	....	6.48	4.91
7	6.30	4.78	5.78	4.65	5.44	4.13	....	2.74	4.76	....	6.56	4.88
8	6.28	4.87	5.82	4.71	5.53	4.23	....	2.73	4.92	....	6.57	5.08
9	6.27	4.88	5.77	4.73	5.59	4.28	....	....	4.95	....	6.51	5.15
10	6.24	5.00	5.74	4.71	5.62	4.27	....	....	4.98	....	6.38	5.17
11	6.12	5.14	5.83	3.93	5.66	3.71	....	....	5.06	....	6.48	5.17
12	6.04	5.16	5.90	3.94	5.67	3.85	....	....	5.14	....	6.53	5.18
13	6.11	5.17	5.96	3.75	5.73	3.95	....	....	5.21	....	6.54	5.21
14	6.11	5.03	5.96	3.61	5.79	3.95	....	....	5.21	....	6.29	5.21
15	6.08	5.02	5.97	3.81	5.82	....	....	....	5.25	....	6.22	5.26
16	5.61	5.02	6.07	3.91	5.84	....	....	....	5.33	....	6.40	5.26
17	5.56	4.41	6.07	4.08	5.91	....	....	....	5.35	....	6.40	5.23
18	5.53	4.51	6.07	4.23	5.96	....	....	....	5.35	....	6.34	5.21
19	5.35	4.58	6.05	4.36	5.96	....	....	....	5.45	....	6.39	5.06
20	5.34	4.63	5.28	4.40	5.97	....	....	....	5.51	....	6.39	4.97

Chi-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	5.32	4.62	5.10	4.40	5.75	....	....	....	5.56	....	6.34	4.98
22	5.24	5.43	5.15	4.40	5.58	....	....	....	5.58	....	6.28	4.96
23	5.28	5.21	5.20	4.47	5.57	....	....	4.40	5.61	....	6.40	5.00
24	5.46	5.32	5.20	4.63	5.05	5.18	....	4.49	5.69	....	6.36	5.08
25	5.45	5.38	5.22	4.79	4.02	5.23	2.92	4.59	....	....	....	5.08
26	5.45	5.41	5.49	4.84	4.13	5.31	2.96	4.63	5.81	....	5.36	5.12
27	5.38	5.42	5.52	4.89	4.17	5.40	2.96	4.65	5.82	6.41	5.32	5.22
28	5.41	5.39	5.42	5.00	4.20	5.47	2.96	4.71	5.83	6.42	5.47	5.27
29	5.39		5.48	5.10	4.21	5.50	2.99	4.78	5.84	6.37	5.56	5.30
30	5.39		5.54	5.15	3.67	5.57	3.08	4.85	5.89	6.46	5.60	5.26
31	5.39		5.50		3.81		3.11	4.89		6.51		5.27

Colbert County

Col-1. U. S. Army, Corps of Engineers. Muscle Shoals. Diamond Alkali Co. plant. NE¼NW¼NW¼ sec. 30, T. 3 S., R. 10 W. Drilled unused artesian well in limestone of Fort Payne chert, diameter 8 inches, depth 265 feet. Land-surface datum is 527.8 feet above msl. Highest water level 5.3 below lsd, Mar. 21, 1955; lowest 37.5 Dec. 24, 27-28, 1954. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	8.5	8.6	10.2	11.0	20.6	17.0	26.4	....	34.6	34.3
2	....	....	8.6	8.3	10.6	11.3	20.9	17.4	26.5	....	33.9	34.2
3	....	....	8.8	8.9	11.0	11.5	20.4	17.5	26.0	....	33.1	33.2
4	....	....	8.9	8.8	10.8	11.7	20.8	18.2	26.2	....	35.0	27.8
5	....	....	9.0	8.7	10.9	11.9	21.2	18.7	26.3	....	34.4	28.4
6	....	....	9.0	7.6	11.5	12.3	18.6	18.6	27.0	....	33.7	27.4
7	....	....	8.8	7.8	11.5	12.6	16.0	18.8	26.9	....	33.8	27.8
8	....	....	8.9	8.1	11.5	12.8	15.8	19.4	27.2	....	33.8	....
9	....	....	9.1	8.6	12.0	13.1	15.0	19.8	26.6	....	33.9	28.9
10	....	....	9.2	8.4	12.1	13.6	15.1	20.1	26.7	....	33.9	29.2
11	....	....	9.3	8.4	12.3	13.7	15.4	20.3	26.5	....	34.1	29.6
12	....	....	9.5	8.2	12.3	13.9	15.7	20.4	27.5	....	34.1	30.0
13	....	....	9.7	8.0	12.6	14.7	16.0	20.9	28.3	31.6	34.1	31.2
14	....	....	9.7	7.9	12.8	14.9	16.3	20.8	27.8	31.5	33.8	31.9
15	....	....	9.8	8.2	12.9	15.2	15.6	21.7	28.0	30.7	34.1	32.1
16	....	....	9.8	8.4	12.8	15.5	13.9	22.2	28.7	32.1	34.2	32.2
17	....	....	10.0	8.7	12.9	15.8	12.9	22.5	27.8	32.1	34.1	31.7
18	....	....	10.0	8.6	13.2	16.1	13.3	23.5	29.0	32.4	34.8	32.0
19	....	11.3	9.9	9.3	13.1	16.0	13.3	23.5	28.9	32.3	34.2	31.7
20	....	11.5	8.6	9.3	13.3	16.8	13.4	22.7	....	33.0	33.9	31.9
21	....	11.2	7.5	9.1	13.1	17.3	13.7	22.6	....	32.6	34.0	32.5
22	....	6.9	6.5	9.4	11.6	17.9	14.1	23.5	....	32.0	33.9	32.0
23	....	7.3	6.9	9.0	10.1	18.1	14.2	23.8	....	33.2	33.2	32.4
24	....	7.6	7.2	9.0	10.3	18.6	14.4	23.8	....	33.0	33.5	32.8
25	....	7.8	7.4	9.5	10.4	18.3	14.9	24.1	....	32.8	34.8	32.7
26	....	7.9	7.6	9.8	10.6	18.5	15.2	24.3	....	33.0	33.7	33.5
27	....	8.1	7.8	9.9	10.8	19.1	15.4	25.4	....	32.7	33.8	34.1
28	....	8.3	7.9	10.0	10.9	19.4	15.6	26.4	....	33.7	34.6	34.0
29	....		8.2	10.1	10.4	19.4	16.2	26.8	....	32.4	34.3	35.8
30	....		8.3	10.0	10.5	19.7	16.1	26.6	....	35.3	35.1	35.7
31	....		8.4		10.7		16.3	26.2		34.3		34.1

Cullman County

Cul-1. City of Cullman. Second St. and Third Ave. West. NE¼NW¼ sec. 15, T. 10 S., R. 3 W. Drilled unused water-table well in sandstone of Pottsville formation, diameter 8 inches, depth 81 feet, cased to 13. Land-surface datum is 768 feet above msl. Highest water level 16.8 below lsd, Feb. 23, Aug. 17, 1955; lowest 26.6 below lsd, Aug. 6, 1952. Records available: 1952-55.

Cul-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	18.4	18.1	....	....	18.1	19.1	....	18.7	19.4	19.4	18.8
2	....	18.7	18.2	....	....	18.2	19.2	....	....	19.5	19.5	18.5
3	....	18.7	18.2	....	....	18.2	19.2	....	....	19.5	19.5	18.4
4	....	18.7	18.2	....	....	18.3	19.2	....	18.7	19.4	19.4	18.1
5	....	18.5	18.3	....	....	18.3	19.2	....	18.8	19.3	19.0	17.6
6	....	17.6	18.3	....	....	18.3	19.2	....	18.7	19.3	19.1	17.5
7	....	17.7	18.4	....	....	18.2	19.1	....	18.9	19.4	19.2	17.6
8	....	18.1	18.5	....	....	18.4	19.0	....	19.1	19.4	19.2	18.6
9	....	18.1	18.5	....	....	18.5	18.9	....	19.2	19.4	18.9	18.7
10	....	18.1	18.4	....	....	18.5	18.8	....	19.1	19.4	19.0	18.7
11	....	18.2	18.3	....	....	18.7	18.7	....	19.1	19.3	19.2	18.6
12	....	18.4	18.4	....	....	18.9	18.8	....	19.2	19.1	19.3	18.6
13	....	18.4	18.5	....	....	18.9	18.8	....	19.3	19.0	19.2	18.7
14	....	18.2	18.6	....	....	18.8	18.9	....	19.3	19.1	18.9	18.6
15	....	18.3	18.5	....	....	18.7	18.4	....	19.2	19.1	19.0	18.7
16	....	18.3	18.6	....	....	18.8	18.2	18.2	19.3	19.1	19.2	18.7
17	....	18.3	....	....	....	18.8	18.3	17.6	19.2	19.2	19.1	18.5
18	....	18.3	....	....	....	18.9	....	17.1	....	19.5	18.7	18.4
19	18.6	18.3	18.3	....	18.7	18.8	18.4	17.3	....	19.6	18.8	18.5
20	18.6	18.2	....	....	18.6	18.9	....	17.4	19.1	19.5	18.9	18.4
21	18.4	18.3	....	....	18.4	19.0	....	17.5	19.2	19.5	18.9	18.4
22	18.2	18.1	....	....	18.2	19.0	....	17.5	19.3	19.5	18.8	18.3
23	18.3	16.9	....	....	17.7	19.0	....	17.5	19.2	19.6	18.7	18.3
24	18.4	17.4	....	....	17.6	18.9	....	17.7	19.3	19.5	18.6	18.4
25	18.6	17.5	....	....	17.3	18.8	....	17.9	19.4	19.6	18.4	18.5
26	18.6	17.7	....	....	17.6	18.9	....	18.0	19.5	19.4	18.3	18.6
27	18.4	17.8	....	....	17.8	19.0	....	18.0	19.6	19.4	18.1	18.7
28	18.5	18.0	....	....	17.9	19.0	....	18.1	19.4	19.2	18.5	18.7
29	18.5		....	....	17.8	19.0	....	18.2	19.3	19.1	18.9	18.8
30	18.6		....	....	17.8	19.0	....	18.4	19.3	19.5	19.0	18.5
31	18.6		....		18.0		....	18.6		19.5		18.4

Dallas County

Dls-2. City of Selma. In waterworks lot. NW¼NW¼ sec. 31, T. 17 N., R. 11 E. Drilled unused artesian well in sand of Eutaw formation, diameter 6 inches, depth 420 feet. Land-surface datum is 125.26 feet above msl. Highest water level 13.5 below lsd, Feb. 17, 1946; lowest 39.1 below lsd, Aug. 11, 1953. Records available: 1941, 1945-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	23.6	22.9	20.9	21.8	25.3	26.1	30.8	28.5	35.4	36.4	....	23.1
2	22.9	21.8	21.2	21.9	26.2	27.5	31.3	27.8	34.8	36.9	....	25.3
3	23.0	21.8	21.2	21.3	27.7	28.9	31.1	29.0	35.4	35.3	....	24.7
4	23.2	21.8	21.4	20.9	30.2	29.0	29.3	30.0	35.2	35.2	23.3	25.0
5	23.5	21.7	21.6	21.5	31.0	28.5	30.3	30.3	34.1	34.8	23.3	24.9
6	23.6	20.7	21.2	22.3	30.5	27.6	29.5	29.0	35.8	34.3	26.7	21.3
7	23.7	20.5	21.2	21.9	29.8	27.1	29.8	30.2	36.3	34.0	22.8	20.8
8	23.8	20.3	21.4	21.5	31.8	27.7	30.6	30.5	36.4	33.4	22.8	20.6
9	23.0	20.1	21.4	21.4	32.7	28.0	30.7	30.5	38.0	32.4	22.7	24.2
10	23.1	19.9	21.4	20.6	32.5	27.6	29.7	30.9	38.6	32.4	22.5	....
11	23.3	20.0	21.5	20.2	33.5	28.0	28.6	31.7	37.1	31.1	22.4	....
12	23.3	20.1	22.0	20.3	33.4	26.4	28.8	32.1	37.4	32.1	22.3	24.3
13	23.3	20.0	21.6	20.0	32.8	....	28.9	32.6	37.1	32.1	25.5	21.0
14	23.2	20.1	21.4	19.2	31.2	....	28.6	32.7	36.9	33.2	27.1	24.1
15	23.1	20.5	22.5	19.4	29.7	....	28.6	33.2	36.0	32.8	27.6	21.1
16	22.6	20.7	23.0	19.2	29.0	....	28.7	34.0	36.6	31.9	27.9	....
17	23.0	20.8	23.3	19.1	30.0	....	28.8	35.8	36.1	32.0	27.0	....
18	23.2	20.9	23.1	19.5	30.7	....	27.9	36.4	35.3	30.7	26.7	....
19	23.2	21.0	23.2	19.8	31.0	....	30.2	36.7	36.5	30.3	24.0	23.9
20	23.1	20.5	22.1	21.9	31.2	....	30.7	36.6	36.9	29.3	26.1	20.4
21	23.0	20.8	22.0	21.6	29.0	....	32.7	36.2	37.6	28.8	....	20.1
22	23.0	21.1	21.8	22.0	27.4	....	32.5	36.7	37.8	26.8	....	19.9
23	22.4	21.0	21.9	23.0	26.4	....	29.6	38.1	37.7	27.4	....	19.6
24	22.4	21.2	21.6	22.7	26.9	....	28.9	36.6	37.4	28.2	....	23.8
25	22.8	21.2	21.3	22.2	27.1	....	31.4	36.4	37.5	....	....	23.7

Dls-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	22.9	21.2	21.7	23.5	25.6	....	31.9	36.1	38.5	....	....	22.7
27	23.0	20.6	....	23.9	25.7	28.7	32.1	35.7	37.8	....	....	20.0
28	23.0	21.6	20.9	24.8	25.8	28.6	33.2	35.4	37.3	....	....	19.6
29	23.1		20.8	25.5	26.5	29.9	33.1	35.6	36.3	....	26.1	19.6
30	23.0		21.1	26.4	26.1	30.7	29.2	36.1	36.5	....	25.6	19.5
31	22.0		21.3		25.4		28.6	35.8		....		22.0

Elmore County

Elm-1. City of Eclectic. High School. SW¼NE¼ sec. 14, T. 19 N., R. 20 E. Drilled unused artesian well in augen gneiss, diameter 8 inches, depth 402 feet, cased to 63. Land-surface datum is 557.5 feet above msl. Highest water level 6.96 below lsd, May 10, 1953; lowest 12.76 below lsd, Oct. 29, 1954. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.34	10.75	9.47	8.94	8.40	8.92	9.43	9.55	9.97	10.78	11.46	11.72
2	12.21	10.82	9.47	8.90	8.45	8.93	9.47	9.52	9.96	10.80	11.48	11.68
3	12.14	10.87	9.47	8.92	8.47	8.95	9.51	9.51	10.03	10.84	11.50	11.60
4	12.06	10.84	9.47	8.95	8.49	8.97	9.53	9.52	10.04	10.84	11.48	11.58
5	12.01	10.71	9.46	8.98	8.52	8.98	9.55	9.50	10.07	10.85	11.48	11.55
6	12.01	10.53	9.49	8.98	8.55	9.01	9.56	9.48	10.07	10.86	11.46	11.53
7	11.94	.....	9.44	8.95	8.59	8.94	9.57	9.46	10.11	10.87	11.50	11.56
8	11.85	.....	9.40	8.98	8.63	8.94	9.59	9.48	10.15	10.89	11.51	11.56
9	11.80	.....	9.39	8.98	.....	8.95	9.55	9.48	10.18	10.90	11.53	11.68
10	11.76	.....	9.39	8.93	.....	8.96	9.47	9.50	10.21	10.94	11.56	11.64
11	11.70	.....	9.43	8.68	.....	8.93	9.50	9.52	10.26	10.94	11.60	11.68
12	11.60	.....	9.43	8.61	.....	8.96	9.55	9.58	10.29	10.96	11.67	11.68
13	11.62	.....	9.42	8.60	.....	9.01	9.56	9.63	10.29	10.99	11.64	11.70
14	11.55	.....	9.46	8.49	.....	9.04	9.59	9.68	10.30	11.05	11.65	11.67
15	11.50	.....	9.46	8.44	.....	9.04	9.63	9.67	10.25	11.07	11.63	11.68
16	11.42	.....	9.48	8.35	.....	9.07	9.67	9.70	10.33	11.03	11.71	11.68
17	11.43	.....	9.40	8.29	.....	9.10	9.68	9.68	10.31	11.09	11.70	11.66
18	11.31	.....	9.25	8.28	.....	9.13	9.73	9.72	10.37	11.14	11.69	11.68
19	11.33	.....	....	8.30	.....	9.16	9.74	9.70	10.40	11.15	11.72	11.64
20	11.25	.....	....	8.29	.....	9.18	9.75	9.67	10.43	11.17	11.72	11.62
21	11.15	.....	....	8.29	.....	9.20	9.74	9.69	10.45	11.15	11.70	11.60
22	11.11	9.62	....	8.28	.....	9.21	9.74	9.71	10.47	11.18	11.70	11.66
23	11.06	9.62	....	8.19	.....	9.21	9.73	9.64	10.52	11.19	11.76	11.64
24	11.02	9.57	9.06	8.26	.....	9.21	9.67	9.72	10.53	11.22	11.77	11.72
25	10.99	9.55	8.99	8.27	.....	9.21	9.65	9.76	.....	11.23	11.64	11.74
26	10.99	9.51	9.06	8.27	8.86	9.23	9.69	9.80	10.60	11.25	11.64	11.80
27	10.91	9.48	9.04	8.26	8.85	9.27	9.69	9.83	10.63	11.28	11.66	11.83
28	10.85	9.47	8.98	8.27	8.85	9.33	9.68	9.87	10.66	11.28	11.70	11.84
29	10.84		8.97	8.28	8.86	9.37	9.63	9.90	10.66	11.37	11.76	11.85
30	10.82		8.97	8.33	8.83	9.40	9.59	9.94	10.70	11.40	11.72	11.82
31	10.79		8.95		8.88		9.59	9.96		11.46		11.81

Greene County

Gre-2. W. F. Bell. Boligee. NE¼NE¼ sec. 31, T. 21 N., R. 1 E. Drilled public-supply flowing artesian well in sand of Eutaw formation, diameter 3 inches, depth 560 feet. Land-surface datum is 117.13 feet above msl. Highest water level 8.59 above lsd, July 21, 1941; lowest 3.64 above lsd, Dec. 28, 1954. Records available: 1940-42, 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	+5.84	Apr. 24	+5.82	July 26	+5.40	Oct. 28	+4.21
Feb. 27	+5.69	May 22	+5.89	Aug. 28	+5.68	Nov. 29	+5.63
Mar. 28	+5.47	June 29	+5.62	Sept. 23	+5.57	Dec. 30	+5.85

Gre-3. U. S. Geol. Survey. Eutaw. Sewage pumping plant on Roberts St. SE¼SE¼ sec. 33, T. 22 S., R. 2 E. Drilled observation artesian well in sand of Eutaw formation, diameter 4 to 2 inches, depth 407 feet, cased to 407, screen 395-407. Land-surface datum is 172.14 feet above msl. Highest water level 35.94 below lsd, Apr. 2, 1953; lowest 38.84 below lsd, Oct. 25, 1955. Records available: 1952-55.

Gre-3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.01	37.63	37.35	37.15	36.88	37.26	37.61	37.72	38.37	38.72	.....	38.64
2	38.00	37.63	37.34	37.14	36.84	37.27	37.63	37.73	38.38	38.74	.....	38.63
3	37.98	37.62	37.33	37.13	36.85	37.28	37.65	37.73	38.39	38.75	.....	38.63
4	37.97	37.61	37.32	37.12	36.87	37.29	37.67	37.75	38.40	38.76	.....	38.62
5	37.95	37.61	37.31	37.10	36.88	37.31	37.68	37.76	38.41	38.78	.....	38.61
6	37.93	37.61	37.30	37.09	36.93	37.32	37.68	37.78	38.42	38.79	.....	38.59
7	37.91	37.60	37.29	37.08	36.96	37.32	37.68	37.80	38.42	38.79	38.82	38.59
8	37.90	37.58	37.28	37.06	36.98	37.33	37.68	37.81	38.43	38.80	38.81	38.59
9	37.90	37.57	37.27	37.05	37.00	37.34	37.67	37.82	38.44	38.80	38.80	38.59
10	37.89	37.55	37.27	37.04	37.03	37.35	37.67	37.84	38.45	38.80	38.80	38.54
11	37.87	37.54	37.26	37.03	37.06	37.36	37.67	37.85	38.47	38.80	38.79	38.54
12	37.85	37.53	37.25	37.02	37.09	37.36	37.66	37.87	38.48	38.80	38.78	38.53
13	37.84	37.52	37.25	37.00	37.11	37.37	37.66	37.88	38.50	38.80	38.78	38.52
14	37.83	37.51	37.24	36.98	37.13	37.38	37.66	37.91	38.51	38.80	38.77	38.52
15	37.81	37.50	37.24	36.97	37.14	37.39	37.65	37.92	38.52	38.80	38.76	38.52
16	37.80	37.48	37.24	36.95	37.15	37.39	37.65	37.94	38.53	38.80	38.75	38.51
17	37.79	37.48	37.24	36.93	37.15	37.40	37.64	37.97	38.55	38.80	38.75	38.51
18	37.77	37.48	37.24	36.92	37.16	37.40	32.64	37.99	38.56	38.80	38.74	38.51
19	37.76	37.48	37.24	36.91	37.17	37.41	37.64	38.02	38.57	38.80	38.73	38.50
20	37.75	37.48	37.24	36.91	37.18	37.42	37.64	38.05	38.58	38.80	38.72	38.50
21	37.74	37.48	37.22	36.90	37.18	37.43	37.63	38.08	38.59	38.81	38.72	38.50
22	37.73	37.48	37.22	36.89	37.18	37.45	37.63	38.11	38.61	38.82	38.71	38.50
23	37.72	37.48	37.20	36.89	37.18	37.46	37.63	38.14	38.59	38.82	38.70	38.50
24	37.70	37.48	37.20	36.89	37.18	37.48	37.64	38.18	38.60	38.83	38.70	38.49
25	37.69	37.48	37.19	36.88	37.18	37.51	37.65	38.21	38.62	38.84	38.69	38.49
26	37.68	37.48	37.18	36.87	37.18	37.53	37.64	38.25	38.63	.....	38.67	38.49
27	37.67	37.38	37.19	36.86	37.18	37.54	37.65	38.27	38.65	.....	38.67	38.48
28	37.66	37.37	37.16	36.86	37.20	37.56	37.66	38.29	38.67	.....	38.65	38.48
29	37.65		37.16	36.87	37.22	37.57	37.68	38.32	38.68	.....	38.64	38.48
30	37.64		37.16	36.88	37.23	37.59	37.69	38.35	38.70	.....	38.64	.....
31	37.64		37.15		37.24		37.71	38.36		.....		.....

Jackson County

Jac-1. Tennessee Valley Authority well 28. Scottsboro. SE¼NW¼ sec. 29, T. 4 S., R. 6 E. Drilled unused water-table well in Fort Payne chert, diameter 8 inches, depth 16 feet. Land-surface datum is 641.88 feet above msl. Highest water level 1.64 below lsd, Feb. 26, 1944; lowest dry, Sept. 28, 1937, July 21-Sept. 14, Sept. 21-28, Oct. 21, Nov. 3-17, 1944, Oct. 5-Nov. 3, 1947, Sept. 26-Nov. 1, 1948, Oct. 4-Nov. 22, 1954. Records available: 1936-41, 1943-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	9.74	Apr. 4	4.78	July 4	10.68	Oct. 3	11.78
10	8.20	11	5.72	11	10.74	10	11.85
17	8.52	18	4.77	18	11.67	17	11.81
24	7.87	25	4.84	28	11.72	24	11.78
31	7.38	May 2	4.90	Aug. 1	11.74	30	11.80
Feb. 7	6.92	9	5.55	8	11.70	Nov. 7	11.69
14	6.14	16	6.40	15	10.77	14	11.74
21	5.02	23	7.54	22	10.74	21	10.67
28	4.68	30	7.65	29	10.75	28	10.69
Mar. 7	3.78	June 6	8.70	Sept. 5	10.75	Dec. 5	9.68
14	3.80	13	8.74	12	11.71	12	8.70
21	3.78	20	9.67	19	11.74	19	7.76
28	3.84	27	9.72	26	12.68	26	6.69

Jefferson County

Jef-1. U. S. Geol. Survey. Birmingham. Songo test well 2. SE¼SW¼ sec. 29, T. 18 S., R. 3 W. Drilled observation artesian well in Bangor limestone, diameter 6 inches, depth 140 feet, cased to 68. Land-surface datum is 641.94 feet above msl. Highest water level 44.63 below lsd, Apr. 16, 1955; lowest 83.04 below lsd, Dec. 27-28, 1954. Records available: 1954-55.

Jef-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	55.57	50.42	47.39	51.14	.....	52.73	.....	.....	.....	.....
2	.....	.....	55.65	50.31	47.72	50.95	.....	52.61	.....	.....	.....	.....
3	.....	.....	55.54	49.97	47.92	50.80	.....	52.49	.....	.....	.....	.....
4	.....	.....	55.50	49.87	48.17	50.76	.....	52.49	.....	60.74	.....	.....
5	.....	.....	.....	49.83	48.45	50.77	.....	.....	.....	60.92	.....	.....
6	.....	.....	.....	49.61	48.69	50.85	.....	.....	.....	61.09	.....	.....
7	.....	.....	.....	48.98	48.97	51.00	.....	.....	.....	61.62	.....	.....
8	.....	64.99	.....	48.89	49.37	51.12	.....	.....	.....	61.81	.....	.....
9	.....	64.73	.....	48.53	49.66	51.31	.....	.....	.....	61.95	.....	.....
10	.....	63.85	.....	47.27	49.94	51.42	.....	.....	.....	62.09	.....	.....
11	.....	63.10	.....	47.56	50.22	51.65	.....	.....	.....	62.29	.....	.....
12	.....	62.87	.....	46.86	50.48	51.97	56.36	.....	56.56	62.45	.....	.....
13	.....	62.47	.....	46.38	50.73	52.15	56.23	.....	56.82	62.62	.....	.....
14	.....	61.89	.....	45.12	51.00	52.34	55.99	.....	56.94	62.72	.....	.....
15	.....	61.33	.....	44.90	51.30	52.54	55.65	.....	57.12	62.99	.....	.....
16	.....	60.97	.....	44.75	51.57	52.74	55.42	.....	57.34	63.24	67.80	.....
17	.....	.....	56.25	44.76	51.85	52.96	55.24	.....	57.55	63.41	67.84	.....
18	.....	.....	56.25	44.78	52.17	53.14	55.20	.....	57.69	63.59	67.91	.....
19	.....	.....	56.25	44.72	52.40	53.38	55.16	.....	57.86	63.72	68.10	.....
20	.....	.....	56.25	.....	52.61	53.62	55.11	.....	58.07	63.91	68.24	.....
21	.....	.....	55.35	.....	52.89	53.80	55.11	.....	58.30	64.07	68.33	.....
22	.....	.....	53.80	.....	53.11	54.00	55.12	.....	58.46	64.21	68.68	.....
23	.....	.....	53.04	.....	53.27	54.24	55.11	.....	58.66	64.33	68.68	.....
24	.....	.....	52.93	.....	53.22	54.46	55.03	.....	58.80	64.50	68.71	.....
25	.....	57.12	51.13	.....	52.90	54.64	54.97	.....	59.10	64.66	68.71	.....
26	.....	56.63	50.91	46.10	.....	54.90	54.69	.....	59.36	64.82	68.75	.....
27	.....	56.18	50.90	46.27	52.34	54.99	54.30	.....	59.50	65.00	68.84	.....
28	.....	55.85	50.64	46.65	52.33	.....	53.81	.....	.....	65.25	.....	.....
29	.....		50.41	46.96	52.22	.....	53.33	.....	.....	.....	.....	.....
30	.....		50.41	47.17	51.76	.....	53.02	.....	.....	.....	.....	.....
31	.....		50.42		51.39		52.90	.....		.....		.....

Lawrence County

Law-1. City of Moulton. East side of hospital. NE¼NE¼ sec. 32, T. 6 S., R. 7 W. Drilled unused artesian well in Bangor limestone and Hartselle sandstone, diameter 6 inches, depth 260 feet, cased to 20. Highest water level 14.16 below lsd, Mar. 20, 1955; lowest 19.66 below lsd, Nov. 12, 1955. Records available: 1955.

Daily lowest water level from recorder graph*

Day	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	15.61	17.23	18.62	19.37	18.74
2	.....	.....	.....	.....	15.77	17.26	18.67	19.42	18.68
3	.....	.....	.....	.....	15.90	17.32	18.70	19.40	18.60
4	.....	.....	.....	.....	15.85	17.37	18.72	19.37	17.90
5	.....	.....	.....	.....	15.88	17.37	18.75	19.35	17.80
6	.....	.....	.....	15.95	15.94	17.43	18.78	19.39	17.83
7	.....	.....	.....	.....	15.99	17.47	18.70	19.43	17.98
8	.....	.....	.....	.....	15.98	17.55	18.70	19.43	18.07
9	.....	.....	.....	.....	15.73	17.57	18.72	19.43	18.16
10	.....	.....	.....	.....	15.62	17.60	18.78	19.48	18.20
11	.....	.....	.....	.....	15.68	17.65	18.80	19.57	18.25
12	15.08	.....	.....	.....	15.71	17.71	18.83	19.66	18.27
13	15.19	.....	.....	.....	15.96	17.77	18.86	19.59	18.30
14	15.22	.....	.....	.....	16.07	17.80	18.91	19.47	18.32
15	15.28	.....	.....	.....	16.14	17.85	18.96	19.42	18.41
16	15.28	.....	16.03	.....	16.07	17.87	19.01	19.59	18.42
17	15.20	.....	16.13	.....	16.20	17.99	19.08	19.55	18.45
18	15.24	16.52	16.17	.....	16.31	18.00	19.17	19.49	18.26
19	14.85	16.54	16.22	.....	16.38	18.03	19.24	19.27	18.20
20	14.32	16.58	16.29	.....	16.55	18.09	19.25	19.16	18.22
21	.....	16.13	16.33	.....	16.62	18.22	19.28	19.22	18.29
22	.....	15.78	16.36	.....	16.64	18.24	19.35	19.28	18.29
23	.....	15.39	16.32	.....	16.70	18.31	19.41	18.75	18.39
24	.....	14.93	.....	.....	16.76	18.35	19.48	18.54	18.44
25	.....	14.50	.....	15.26	16.82	18.38	19.52	18.58	18.52

Law-1--Continued.

Day	Mar.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	.....	.....	.....	14.73	16.90	18.42	19.59	18.65	18.55
27	.....	.....	.....	14.83	16.96	18.43	19.62	18.68	18.60
28	.....	.....	.....	14.97	17.00	18.45	19.50	18.79	18.63
29	.....	.....	.....	15.15	17.10	18.51	19.29	18.84	18.66
30	.....	.....	.....	15.32	17.15	18.56	19.32	18.84	18.67
31	.....	.....		15.47	17.18		19.34		18.67

* No record for January, February, and April.

Macon County

Mac-1. Tuskegee Institute. NE¼ sec. 26, T. 17 N., R. 23 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 18 to 8 inches, depth 355 feet, cased to 355, screen 315-355. Land-surface datum is 436.47 feet above msl. Highest water level 61.85 below lsd, Sept. 20, 1949; lowest 94.15 below lsd, Jan. 1-2, 1951. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	74.05	73.60	73.10	73.00	72.35	72.15	72.55	.....	72.35	72.60	72.80	72.90
2	73.90	73.50	73.10	72.90	72.35	72.20	72.55	71.80	72.30	72.65	72.80	72.80
3	73.95	73.60	73.10	72.80	72.30	72.15	72.60	71.90	72.30	72.70	72.85	72.65
4	73.95	73.65	73.10	72.85	72.30	72.15	72.05	71.95	72.35	72.75	72.90	72.55
5	73.90	73.65	73.10	72.90	72.25	72.10	72.20	72.05	72.40	72.75	72.85	72.50
6	73.80	73.50	73.10	72.90	72.30	72.05	.....	72.15	72.40	72.70	72.80	72.50
7	73.85	73.40	73.15	72.85	72.20	72.05	.....	72.15	72.35	72.70	72.80	72.40
8	73.85	73.45	73.15	72.95	72.40	72.05	.....	72.15	72.35	72.75	72.85	72.35
9	73.80	73.45	73.15	73.05	72.45	71.95	.....	72.15	72.45	72.80	72.85	72.50
10	73.75	73.40	73.10	73.05	72.50	72.00	.....	72.05	72.45	72.85	72.75	72.60
11	73.80	73.45	73.00	73.00	72.50	72.00	72.00	72.10	72.50	72.85	72.70	72.60
12	73.80	73.60	72.95	72.90	72.50	72.10	72.20	72.05	72.45	72.75	72.75	72.60
13	73.85	73.70	72.95	72.85	72.45	72.15	72.30	72.10	72.55	72.70	72.75	72.65
14	73.85	73.70	73.00	72.45	72.40	72.25	72.35	72.15	72.60	72.65	72.65	72.65
15	73.80	73.50	73.00	72.50	72.45	72.30	72.35	72.27	72.55	72.65	72.65	72.60
16	73.70	73.40	72.95	72.50	72.45	72.35	72.35	72.20	72.50	72.70	72.60	72.65
17	73.65	73.35	73.05	72.45	72.40	72.35	72.35	72.20	72.50	72.50	72.75	72.60
18	73.35	73.30	73.00	72.50	72.40	.....	72.25	72.20	72.55	72.65	72.80	72.60
19	73.60	73.30	72.95	72.45	72.45	.....	70.85	72.25	72.50	72.75	72.75	72.55
20	73.65	73.25	72.95	72.45	72.40	72.40	.....	72.25	72.45	72.85	72.85	72.60
21	73.65	73.25	72.90	72.40	72.35	72.40	.....	72.25	72.45	72.85	72.80	72.60
22	73.60	73.20	72.95	72.35	72.40	72.35	.....	72.25	72.50	72.85	72.75	72.55
23	73.60	73.25	73.05	72.30	72.40	72.35	.....	72.25	72.50	72.90	72.70	72.50
24	73.60	73.25	73.05	72.20	72.25	72.40	.....	72.20	72.50	72.85	72.80	72.45
25	73.75	73.30	73.00	72.20	72.10	72.40	71.90	72.25	72.55	72.90	72.80	72.45
26	73.80	73.30	73.05	72.30	72.10	72.35	72.05	72.30	72.65	72.75	72.70	72.45
27	73.75	73.25	73.15	72.30	72.15	72.40	.....	72.30	72.70	72.75	72.70	.....
28	73.65	73.20	73.15	72.35	72.15	72.45	.....	72.30	72.70	72.65	72.70	.....
29	73.65		73.10	72.40	72.15	72.50	.....	72.30	72.65	72.60	72.85	.....
30	73.65		73.15	72.30	72.15	72.55	.....	72.30	72.60	72.60	72.85	.....
31	73.65		73.10		72.15		.....	72.30		72.75		.....

Madison County

Mad-1. City of Huntsville. Junior High School. NW¼SE¼ sec. 36, T. 3 S., R. 1 W. Drilled observation artesian well in Fort Payne chert, diameter 8 inches, depth 140 feet, cased to 69. Land-surface datum is 660.13 feet above msl. Highest water level 49.43 below lsd, Apr. 9, 1951; lowest 59.59 below lsd, Nov. 24, 1954. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	57.58	May 5	52.50	July 21	56.34	Oct. 11	58.23
26	56.07	11	53.22	28	56.24	19	58.49
Mar. 2	52.89	18	54.07	Aug. 5	56.26	26	57.65
9	53.25	25	54.50	12	56.67	Nov. 7	58.69
16	53.69	June 1	55.00	22	57.13	15	58.52
23	51.59	8	55.60	29	57.34	22	58.43
30	51.40	15	56.06	Sept. 6	57.61	29	58.08
Apr. 6	51.23	22	56.49	13	57.88	Dec. 6	57.39
14	51.04	29	56.89	19	58.04	13	57.35
20	51.33	July 7	57.07	26	58.11	20	57.69
26	51.90	13	56.68	Oct. 3	58.22	27	57.90

Marengo County

Mag-1. J. C. Webb Compress Co. Demopolis. NW¼SW¼ sec. 24, T. 18 N., R. 2 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches. Land-surface datum is 110 feet above msl. Highest water level 0.15 below lsd, Feb. 26, 1954; lowest 12.81 below lsd, Aug. 26, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph, 1953

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 19	2.67	Oct. 2	3.48	Nov. 8	3.96	Nov. 30	1.78
20	2.47	3	3.48	9	3.21	Dec. 1	1.88
21	2.36	4	2.88	10	3.34	2	2.01
22	2.58	19	2.93	11	3.24	3	1.97
23	2.23	20	3.15	12	3.22	4	1.96
24	1.63	21	3.12	13	3.39	5	1.91
25	1.23	22	3.22	14	3.30	6	1.83
26	2.03	23	3.26	15	3.04	7	1.93
27	2.11	24	3.45	16	3.08	8	2.13
28	2.22	25	3.43	17	3.29	9	2.22
29	2.29	26	2.83	18	3.32	10	2.22
30	2.29	27	3.13	19	3.48	11	2.05
Sept. 8	.90	28	3.22	20	3.74	12	1.80
9	1.46	29	3.24	21	3.46	13	1.43
10	1.83	30	3.24	22	3.25	21	1.51
11	2.05	31	3.27	23	2.71	22	1.71
12	2.05	Nov. 1	3.21	24	2.56	23	1.96
13	1.83	2	2.57	25	2.45	24	2.17
14	2.06	3	2.85	26	2.24	25	2.01
28	2.58	4	2.97	27	1.68	29	.32
29	6.78	5	2.95	28	1.83	30	.53
30	3.22	6	3.35	29	1.82	31	.92
Oct. 1	3.27	7	3.96				

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	1.76	0.76	....	4.96	3.85	....	8.71	11.89	10.97	....	7.69
2	....	2.05	.77	....	4.70	4.68	....	7.86	11.89	10.99	8.10	7.87
3	....	2.40	.48	....	4.15	5.04	....	8.39	12.10	10.91	8.12	7.70
4	1.61	3.13	.60	....	3.25	4.70	....	8.40	12.10	10.70	8.03	7.45
5	1.63	....	.98	....	4.05	5.82	....	8.35	12.07	11.00	8.25	7.15
6	1.94	....	1.94	3.33	4.66	6.36	7.10	8.98	11.43	11.23	8.20	6.95
7	2.24	....	2.21	4.00	5.10	5.80	8.23	9.01	11.54	11.02	7.95	7.14
8	2.29	3.22	2.44	4.00	5.10	6.19	8.23	9.01	11.69	10.92	8.15	6.99
9	2.27	3.15	3.18	4.28	5.00	7.44	7.68	8.80	11.60	11.20	8.15	7.08
10	2.10	3.00	3.56	4.74	4.02	7.44	8.56	9.28	11.80	11.15	8.48	7.10
11	1.62	2.97	....	4.45	3.41	7.05	8.54	9.50	11.81	10.65	8.40	7.13
12	1.71	2.88	3.96	4.25	4.25	7.90	7.07	9.72	11.81	10.78	8.29	7.13
13	1.65	2.72	3.96	4.40	4.43	7.87	....	9.93	10.65	11.10	8.20	7.10
14	1.56	2.30	4.00	4.56	4.87	7.10	....	10.16	10.99	10.99	8.15	7.23
15	1.63	2.31	4.16	4.65	5.02	7.23	....	10.19	11.22	10.78	7.83	7.32
16	1.50	2.28	4.12	4.65	5.00	7.23	....	10.05	11.51	10.50	7.90	7.35
17	1.36	2.28	4.20	4.47	4.10	7.45	....	10.52	11.49	10.25	7.89	7.35
18	1.08	1.98	4.35	4.28	3.35	....	....	10.90	11.59	10.34	7.83	7.10
19	....	1.75	4.35	3.80	3.45	....	7.05	10.85	11.19	10.22	7.85	6.92
20	....	1.64	4.20	4.22	3.85	....	6.90	10.71	11.15	9.90	7.75	6.59
21	....	1.64	3.98	4.75	4.84	5.34	6.90	11.11	11.13	9.52	7.55	6.62
22	....	1.10	3.86	5.22	5.03	5.40	6.20	11.29	11.06	9.50	7.68	6.74
23	....	.92	3.85	5.30	4.71	....	2.65	11.40	10.88	9.30	7.60	6.68
24	....	.68	3.76	5.89	3.85	....	5.91	11.55	11.35	9.12	7.70	6.53
25	2.10	.21	3.88	5.75	3.92	....	5.65	11.56	11.35	8.69	7.65	6.51
26	2.13	.15	4.05	4.78	4.53	....	4.79	11.79	10.98	8.67	7.80	5.02
27	1.92	.32	4.01	3.78	4.63	....	6.11	11.78	10.45	8.61	7.80	3.71
28	1.83	.31	3.46	4.17	4.85	7.41	6.78	11.90	10.81	8.64	7.60	3.08
29	1.31		2.50	4.20	5.22	....	7.42	11.65	10.90	8.86	7.60	....
30	1.45		1.80	4.96	4.83	....	7.41	10.87	10.75	8.76	7.60	....
31	1.60		....		3.90		8.79	11.44		8.58		....

Mag-1--Continued.

Daily lowest water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	5.20	4.68	5.40	6.20	6.25	8.62	9.60	11.30	12.31	9.40	....
2	....	5.27	5.12	5.00	5.76	6.55	9.72	9.85	11.20	12.30	9.10	....
3	....	5.49	5.65	4.82	6.21	7.46	9.26	10.53	11.91	11.55	8.21	....
4	4.18	5.51	5.88	4.45	6.15	7.86	8.70	10.36	11.87	11.46	8.02	....
5	4.13	5.42	5.85	4.63	6.48	7.65	8.60	9.96	10.32	11.45	7.88	....
6	4.48	5.25	5.83	4.99	7.00	6.96	8.65	10.66	9.75	11.38	7.54	....
7	4.53	4.89	5.33	5.22	6.85	7.88	8.89	10.30	9.83	11.33	7.37	....
8	4.59	4.87	5.10	5.36	6.65	7.87	9.35	10.65	10.30	11.05	7.05	....
9	4.58	4.85	5.20	5.34	6.53	....	9.50	11.03	10.30	.....	7.02	....
10	4.55	4.68	5.31	5.06	7.20	7.82	9.50	11.13	.....	.....	7.85	....
11	4.50	4.75	5.45	4.70	7.20	8.65	9.21	11.05	.....	10.06	7.83	....
12	4.50	4.75	5.41	4.68	....	8.64	9.25	11.70	.....	10.27	7.81	....
13	4.65	4.81	5.29	4.63	....	8.35	9.05	12.05	.....	10.35	7.72	6.53
14	4.81	4.99	5.65	4.84	....	8.92	8.88	.....	.....	10.34	7.65	6.63
15	4.84	4.90	5.69	4.80	....	8.80	9.46	.....	.....	10.19	7.58	6.67
16	4.69	4.70	5.88	4.80	....	6.85	10.24	.....	.....	10.05	7.72	6.68
17	4.84	5.02	6.08	4.80	....	5.55	10.10	12.20	.....	9.35	7.95	6.90
18	4.83	4.95	6.35	4.40	....	5.70	8.46	12.41	.....	9.51	....	6.89
19	....	5.21	6.25	4.50	7.15	5.55	9.39	12.40	.....	9.68	7.37	6.40
20	....	5.21	6.31	4.79	7.00	3.90	9.59	12.35	.....	10.05	7.31	6.44
21	....	5.10	5.74	5.06	7.16	4.42	9.45	11.70	.....	10.41	6.85	6.53
22	5.00	....	5.52	5.11	6.99	4.16	8.58	11.68	.....	10.45	7.05	6.73
23	5.05	....	5.40	5.22	6.93	....	8.95	12.31	.....	10.45	7.04	6.80
24	4.95	4.92	5.40	5.15	6.72	5.73	8.84	12.65	.....	10.09	6.93	6.75
25	4.97	4.86	4.81	5.06	6.50	7.23	9.20	12.73	.....	10.26	6.78	....
26	5.20	4.80	4.82	5.15	6.97	7.11	9.70	12.81	11.05	10.23	6.91	....
27	5.42	4.61	4.70	5.48	7.50	7.05	10.32	12.61	11.42	10.70	6.89	....
28	5.52	4.30	4.53	5.78	7.00	7.74	9.20	11.15	11.70	10.73	7.10	....
29	5.38		4.80	6.03	6.55	8.10	9.70	11.58	12.13	.....	7.40	....
30	5.28		5.03	6.20	5.91	8.63	10.32	11.53	12.26	.....	....	....
31	5.32		5.50		6.22		10.31	11.50		9.41		....

Mag-2. Thomaston Prison. SE¼NE¼ sec. 24, T. 15 N., R. 4 E. Drilled unused artesian well in sand of Eutaw formation, diameter 4 inches, depth 1,224 feet, cased to 20, screen 1,202-1,222. Land-surface datum is 154 feet above msl. Highest water level 7.83 below lsd, Mar. 30, 1954; lowest 10.07 below lsd, Sept. 14, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	7.97	....	8.17	....	7.94	9.13	9.26	9.46	9.48
2	....	....	....	8.00	....	8.14	....	7.94	9.13	9.26	9.48	9.44
3	....	....	....	8.00	8.13	8.17	....	8.04	9.13	9.29	9.51	9.42
4	....	....	....	8.22	8.17	8.19	....	7.99	9.15	9.29	9.40	9.38
5	....	....	....	8.22	8.13	8.23	8.09	7.98	9.17	9.31	9.42	9.33
6	....	....	....	8.03	8.12	8.24	8.09	8.00	9.19	9.33	9.42	9.45
7	....	....	....	8.01	8.11	8.26	8.09	8.00	9.15	9.46	9.43	9.45
8	....	....	....	8.02	8.17	8.27	8.13	7.97	9.18	9.46	9.45	9.42
9	....	....	....	8.07	8.20	8.29	8.09	....	9.18	9.44	9.43	9.42
10	....	....	....	8.09	8.23	8.33	8.08	....	9.17	9.35	9.52	9.45
11	....	....	....	8.11	8.20	8.35	8.09	8.71	9.19	9.33	9.52	9.45
12	....	....	....	8.13	8.16	8.39	8.08	8.76	9.23	9.35	9.52	9.43
13	....	....	....	8.11	8.13	8.45	8.08	8.80	9.23	9.40	9.46	9.32
14	....	....	....	8.07	8.16	8.45	8.07	8.86	9.26	9.40	9.43	9.33
15	....	....	....	8.08	8.20	8.42	8.08	8.90	9.22	9.37	9.41	9.37
16	....	....	....	....	8.22	8.45	9.18	8.89	9.30	9.38	9.38	9.39
17	....	....	....	....	8.23	8.45	8.20	8.91	9.29	9.41	9.38	9.34
18	....	....	....	....	8.17	....	8.17	8.92	9.27	9.43	9.40	9.31
19	....	....	....	8.07	8.18	....	8.14	8.93	9.21	9.39	9.34	9.38
20	....	....	....	8.10	8.22	....	8.14	8.92	9.20	9.43	9.34	9.38
21	....	....	....	8.09	8.23	8.32	8.16	8.95	9.21	9.42	9.36	9.32
22	....	....	....	8.05	8.23	8.30	8.15	8.99	9.22	9.46	9.35	9.35
23	....	....	7.89	8.04	8.24	8.30	8.13	9.02	9.21	9.54	9.33	9.39
24	....	....	7.86	8.06	8.27	8.30	8.15	8.98	9.24	9.56	9.33	9.45
25	....	....	7.93	8.09	8.29	8.29	8.10	8.98	9.22	9.55	9.35	9.48
26	....	....	7.96	8.09	8.32	8.26	8.09	9.04	9.21	9.51	9.36	9.47
27	....	....	7.93	8.09	8.31	8.24	8.07	9.06	9.21	9.49	9.32	9.41
28	....	....	7.86	8.05	8.18	8.24	8.06	9.06	9.22	9.46	9.37	....
29	....		7.86	....	8.21	8.21	8.05	9.02	9.26	9.42	9.47	....
30	....		7.83	....	....	8.15	7.98	9.02	9.26	9.45	9.49	....
31	....		7.91		8.14		7.96	9.12		9.45		....

Mag-2--Continued.

Daily lowest water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	9.33	8.69	9.17	9.28	9.21	9.31	9.30	9.66	9.96	9.86	9.85
2	....	9.21	9.07	8.99	9.28	9.19	9.30	9.31	9.67	10.00	9.86	9.81
3	....	9.26	9.08	9.07	9.32	9.18	9.33	9.27	9.68	10.00	9.93	9.67
4	9.18	9.27	9.14	9.08	9.26	9.19	9.34	9.31	9.74	9.98	9.94	9.65
5	9.16	9.26	9.17	9.09	9.30	9.15	9.32	9.33	9.77	10.02	9.92	....
6	9.25	9.01	9.20	9.09	9.33	9.15	9.29	9.31	9.78	10.03	9.86	9.67
7	9.27	9.06	9.22	9.11	9.36	9.10	9.26	9.29	9.80	10.02	9.88	9.62
8	9.26	9.08	9.24	9.18	9.38	9.08	9.28	9.22	9.88	10.03	9.91	9.67
9	9.19	9.08	9.21	9.23	9.42	....	9.30	9.20	9.92	10.03	9.86	9.79
10	9.19	9.08	9.14	9.15	9.45	9.03	9.30	9.23	9.96	10.05	9.76	9.81
11	9.22	9.21	9.13	8.98	9.46	9.02	9.27	9.27	10.00	9.99	9.84	9.85
12	9.22	9.26	9.16	9.04	....	9.08	9.29	9.31	10.04	10.02	9.90	9.85
13	9.23	9.26	9.18	9.00	....	9.11	9.31	9.28	10.06	.....	9.88	9.85
14	9.23	9.23	9.21	9.06	....	9.15	9.36	9.36	10.07	9.90	9.85	9.82
15	9.18	9.17	9.24	9.12	....	9.15	9.34	9.38	10.02	9.90	9.85	9.85
16	9.10	9.13	9.31	9.11	....	9.07	9.38	9.37	10.04	9.87	9.91	9.85
17	9.13	9.11	9.31	9.17	....	9.08	9.39	9.38	10.05	.....	9.93	9.80
18	9.09	9.11	9.25	9.19	....	9.09	9.41	9.40	10.04	9.85	9.93	9.80
19	9.31	9.08	9.24	9.19	9.33	9.15	9.41	9.47	10.01	9.88	9.92	9.80
20	9.33	9.10	9.16	9.18	9.37	9.17	9.41	9.49	9.96	9.91	9.93	9.78
21	9.33	9.10	9.07	9.14	9.27	9.22	9.38	9.53	9.98	9.91	9.91	9.72
22	9.32	9.10	9.16	9.12	9.27	9.22	9.31	9.53	10.01	9.94	9.84	9.68
23	9.35	8.69	9.16	9.08	9.27	....	....	9.54	10.03	9.94	9.84	9.62
24	9.35	8.75	9.14	9.03	9.15	9.23	....	9.55	10.04	9.93	9.89	9.64
25	9.42	8.78	9.10	9.08	9.07	9.24	....	9.61	10.03	9.94	9.82	9.70
26	9.42	8.79	9.28	9.09	9.08	9.26	....	9.63	10.04	9.90	9.76	....
27	9.35	8.77	9.31	9.13	9.14	9.26	....	9.61	10.04	9.89	9.72	....
28	9.34	8.74	9.26	9.18	9.16	9.29	....	9.36	10.01	9.83	9.78	9.85
29	9.39		9.22	9.23	9.15	9.32	9.28	9.33	9.97	9.79	9.85	9.84
30	9.40		9.25	9.23	9.18	....	9.27	9.64	9.96	9.84	9.85	9.85
31	9.41		9.22		9.20		9.30	9.65		9.85		9.85

Mag-3. U. S. Geol. Survey. NE¼SE¼ sec. 29, T. 16 N., R. 3 E. Drilled observation flowing artesian well in sand of Eutaw formation, diameter 5 to 2½ inches, depth 1,332 feet, cased to 0-147, 899-1,332, perforations 1,280-1,320. Land-surface datum is 95 feet above msl. Highest water level 64.2 above lsd, July 11, 1955; lowest 59.9 above lsd, Aug. 19, 1955. Records available: 1955.

Daily lowest water level, above lsd, from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	61.7	61.7	62.7	61.7	....	61.2	60.7	62.7
2	....	61.9	61.7	62.7	61.5	61.7	60.7	61.2	62.7
3	....	62.2	61.7	62.7	61.7	61.2	61.2	60.7	62.7
4	....	62.2	61.7	62.7	61.7	61.2	61.2	60.7	62.7
5	....	61.7	61.7	62.7	61.7	60.7	61.2	60.7	....
6	....	61.7	62.2	63.2	62.2	60.7	61.5	61.2	62.7
7	....	62.2	62.2	62.7	62.2	61.2	61.2	60.7	62.7
8	....	62.2	62.2	62.7	....	61.2	61.2	60.7	62.7
9	....	61.7	....	63.2	....	61.2	61.2	60.9	62.7
10	....	61.2	62.7	63.2	....	61.7	61.2	61.2	62.5
11	....	61.7	62.7	62.7	....	61.5	60.9	61.2	62.7
12	....	....	62.2	63.2	....	61.2	61.2	61.2	62.5
13	....	....	62.7	62.7	61.2	61.2	61.2	61.2	62.5
14	....	....	62.2	62.2	61.2	61.2	61.2	61.2	62.5
15	....	....	62.2	62.2	60.7	61.2	61.2	62.7	....
16	60.2	....	62.7	62.7	60.7	61.2	61.5	60.7	....
17	61.2	....	62.7	62.9	60.7	61.2	61.2	61.2	....
18	61.2	....	62.7	62.7	60.2	61.2	60.7	61.7	62.5
19	61.7	61.7	62.5	62.5	59.9	61.5	60.7	62.2	62.5
20	61.7	61.7	62.2	62.5	60.2	61.2	60.7	61.7	62.5
21	61.7	61.7	62.4	62.7	61.2	61.2	60.7	....	62.5
22	61.9	61.7	62.4	62.9	....	61.2	....	....	62.2
23	62.2	61.7	62.2	62.9	....	61.2	61.2	....	62.5
24	62.2	61.7	62.7	62.5	....	....	61.2	....	62.7
25	62.2	62.2	....	62.5	....	....	60.7	....	62.7

Mag-3--Continued.

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	61.7	61.7	....	62.5	....	61.2	60.7	....	....
27	62.2	61.2	....	62.7	61.2	61.2	60.9	62.7	....
28	61.5	61.7	60.7	62.5	60.7	60.7	61.2	62.2	62.7
29	61.7	61.2	61.4	62.7	....	60.7	61.2	62.7	62.7
30	61.7	61.2	62.2	61.2	....	60.7	60.7	62.2	62.7
31		61.2		61.9	....		60.7		62.7

* No record for January, February, and March.

Marion County

Mar-1. M. M. Burleson. Guin. NW¼SE¼ sec. 32, T. 12 S., R. 13 W. Drilled unused artesian well in sandstone of Pottsville formation, diameter 6 inches, depth 520 feet, cased to 80. Land-surface datum is 452 feet above msl. Highest water level 6.74 below lsd, Mar. 18, 1952; lowest 11.76 below lsd, Nov. 10, 1954. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.04	10.40	....	8.80	8.78	9.63	10.36	10.30	10.96	11.38	11.61	11.37
2	10.08	10.55	....	8.81	8.86	9.63	10.40	10.34	10.97	11.40	11.64	11.40
3	10.07	10.59	....	8.87	8.91	9.65	10.40	10.37	11.01	11.39	11.65	11.35
4	10.04	10.56	....	8.88	8.95	9.66	10.40	10.41	11.02	11.37	11.59	11.35
5	10.04	10.46	....	8.87	9.00	9.70	10.39	10.44	11.02	11.39	11.54	11.28
6	10.09	10.26	....	8.83	9.03	9.73	10.35	10.45	11.01	11.41	11.60	11.22
7	10.08	10.24	....	8.82	9.09	9.75	10.30	10.44	11.04	11.47	11.62	11.32
8	10.05	10.19	....	8.80	9.18	9.79	10.28	10.46	11.11	11.46	11.57	11.37
9	.....	10.14	....	8.76	9.21	9.79	10.27	10.53	11.12	11.48	.....	11.38
10	.....	10.19	....	8.59	9.25	9.85	10.26	10.53	11.12	11.46	11.57	11.36
11	.....	10.26	....	8.55	9.27	9.91	10.29	10.54	11.16	11.42	11.62	11.35
12	.....	10.28	....	8.49	9.28	9.97	10.34	10.59	11.18	11.42	11.63	11.33
13	.....	10.23	....	8.41	9.35	9.99	10.35	10.66	11.21	11.44	11.61	11.34
14	.....	10.09	....	8.43	9.40	9.96	10.27	10.68	11.17	11.46	11.55	11.35
15	.....	10.07	....	8.39	9.44	9.99	10.27	10.67	11.19	11.47	11.54	11.38
16	.....	10.14	....	8.38	9.45	9.95	10.26	10.67	11.19	11.48	11.68	11.31
17	.....	10.13	....	8.37	9.49	10.02	10.29	10.71	11.20	11.51	11.65	11.30
18	.....	10.10	....	8.36	9.48	10.06	10.31	10.72	11.19	11.58	11.58	11.40
19	.....	10.24	9.73	8.39	9.55	10.07	10.27	10.74	11.17	11.59	11.64	11.38
20	10.67	10.29	9.73	8.42	9.54	10.11	10.29	10.75	11.23	11.57	11.57	11.31
21	10.57	.....	9.62	8.39	9.56	10.13	10.23	10.75	11.26	11.54	11.52	11.30
22	10.55	.....	9.38	8.41	9.55	10.13	10.19	10.75	11.25	11.55	11.49	11.28
23	10.53	.....	9.25	8.37	9.59	10.15	10.17	10.78	11.26	11.55	11.55	11.34
24	10.50	.....	9.07	8.42	9.51	10.14	10.18	10.83	11.32	11.57	11.50	11.38
25	10.56	.....	9.01	8.49	9.53	10.18	10.21	10.87	11.33	11.54	11.47	11.39
26	10.55	.....	9.10	8.51	9.55	10.21	10.24	10.86	11.36	11.55	11.42	11.40
27	10.46	.....	9.07	8.50	9.56	10.25	10.23	10.89	11.34	11.53	11.49	11.44
28	10.46	.....	8.92	8.62	9.58	10.27	10.21	10.90	11.32	11.54	11.53	11.46
29	10.46		8.89	8.71	9.50	10.29	10.21	10.90	11.32	11.60	11.57	11.42
30	10.49		8.89	8.73	9.56	10.31	10.25	10.95	11.37	11.61	11.52	11.43
31	10.48		8.84		9.61		10.28	10.97		11.61		11.36

Mobile County

Mob-1. Courtaulds, Inc. Salco. Test well 9. NW¼SE¼ sec. 7, T. 1 S., R. 1 E. Drilled unused water-table well in sand and gravel, diameter 12 to 8 inches, depth 123 feet, cased to 123, screen 105-123. Land-surface datum is 43.1 feet above msl. Highest water level 38.50 below lsd, Sept. 22, 1954; lowest 42.04 below lsd, July 11, Aug. 5, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.13	40.73	41.35	41.69	41.67	41.53	41.88	41.86	40.64	40.11	39.98	.....
2	40.27	40.79	40.97	41.68	41.71	41.54	41.73	41.96	40.55	40.11	39.98	.....
3	40.30	40.90	41.08	41.53	41.74	41.58	41.40	42.01	40.57	40.12	40.02	.....
4	40.03	40.96	41.17	41.59	41.72	41.59	41.49	42.03	40.55	40.12	40.04	.....
5	40.11	40.96	41.26	41.69	41.59	41.60	41.58	42.04	40.53	40.12	40.04	.....
6	40.26	40.48	41.33	41.77	41.15	41.61	41.66	41.84	40.49	40.11	40.04	.....
7	40.30	40.62	41.37	41.82	40.90	41.64	41.72	.....	40.48	40.11	40.04	.....
8	40.13	40.79	41.18	41.87	40.79	41.66	41.92	.....	40.44	40.11	40.03	.....
9	40.18	40.92	41.16	41.89	40.71	41.66	41.99	.....	40.43	40.11	40.03	.....
10	40.30	40.97	41.22	41.89	40.74	41.67	42.01	.....	40.41	40.11	40.02	.....

Mob-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	40.44	41.08	41.29	41.81	40.95	41.69	42.04	.....	40.40	40.11	40.01	.....
12	40.47	41.20	41.37	41.82	41.14	41.71	42.03	40.85	40.38	40.06	39.91	.....
13	40.12	41.24	41.44	41.83	41.27	41.78	41.69	41.01	40.38	40.03	39.92	.....
14	40.24	41.01	41.48	.....	41.41	41.78	41.76	41.16	40.38	40.03	40.01	.....
15	40.33	40.87	41.54	41.94	41.52	41.78	41.84	41.23	40.36	40.02	40.24	.....
16	40.44	40.92	41.56	41.96	41.63	41.77	41.86	41.27	40.18	40.02	40.35	.....
17	40.53	41.01	41.57	41.97	41.70	41.76	41.76	41.36	40.18	40.01	40.36	.....
18	40.54	41.06	41.55	42.01	41.71	41.48	41.55	41.46	40.18	39.99	40.36	.....
19	40.70	41.13	41.47	42.01	41.79	41.44	41.52	41.51	40.15	40.00	40.30	.....
20	40.77	41.17	41.49	42.00	41.75	41.52	41.62	41.53	40.13	40.01	40.27	.....
21	40.78	41.21	41.50	41.61	41.76	41.60	41.71	41.40	40.11	40.01	40.24	.....
22	40.78	41.26	41.60	41.60	41.76	41.64	41.83	41.37	40.11	40.00	40.17	.....
23	40.81	41.30	41.66	41.62	41.78	41.69	41.88	41.42	40.16	39.99	40.12	.....
24	40.85	41.34	41.64	41.62	41.79	41.71	41.90	41.45	40.16	39.98	40.10	.....
25	40.91	41.39	41.64	41.50	41.78	41.74	41.71	41.38	40.13	39.98	.....	.....
26	40.93	41.39	41.33	41.27	41.79	41.83	41.46	41.42	40.11	39.97	.....	.....
27	40.93	41.39	41.47	41.29	41.80	41.88	41.54	41.40	40.10	39.96	.....	.....
28	40.83	41.37	41.53	41.39	41.80	41.91	41.61	41.21	40.12	39.95	.....	.....
29	40.43		41.60	41.53	41.45	41.91	41.66	41.01	40.12	39.94	.....	.....
30	40.60		41.66	41.62	41.42	41.87	41.72	40.84	40.11	39.95	.....	.....
31	40.69		.....		41.50		41.78	40.72		39.97		.....

Monroe County

Mon-3. U. S. Geol. Survey. Monroeville. American Legion Club. NE¼NW¼ sec. 2, T. 6 N., R. 7 E. Drilled observation artesian well in sand and gravel of Miocene and Pliocene age and limestone of Eocene and Oligocene age, diameter 6 inches, depth 128 feet, cased to 88, open hole. Land-surface datum is 408 feet above msl. Highest water level 59.75 below lsd, May 11, 1954; lowest 65.12 below lsd, Apr. 7, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.28	.....	64.76	.....	63.05	62.36	62.24	62.40	62.67	63.21	63.70	64.18
2	64.30	.....	64.77	.....	63.03	62.35	62.25	62.40	62.67	63.23	63.75	64.23
3	64.30	.....	64.77	65.06	62.99	62.33	62.24	62.42	62.69	63.23	63.75	64.26
4	64.30	.....	64.78	65.08	62.95	62.32	62.24	62.44	62.71	63.24	63.75	64.27
5	64.32	.....	64.79	65.09	62.90	62.31	62.24	62.44	62.71	63.26	63.76	64.27
6	64.37	.....	64.82	65.09	62.87	62.30	62.23	62.44	62.72	63.27	63.82	64.27
7	64.37	.....	64.82	65.12	62.84	62.30	62.25	62.43	62.74	63.30	63.82	64.29
8	64.37	.....	64.82	65.11	62.81	62.28	62.25	62.47	62.75	63.31	63.82	64.33
9	64.39	.....	64.82	65.11	62.79	62.31	62.25	62.45	62.76	63.33	63.85	64.34
10	64.45	.....	64.83	65.11	62.76	62.28	62.25	62.45	62.77	63.33	63.89	64.36
11	64.45	.....	64.84	65.11	62.73	62.28	62.27	62.45	62.79	63.35	63.90	64.37
12	64.46	.....	64.86	65.06	62.70	62.28	62.29	62.47	62.80	63.36	63.92	64.39
13	64.49	.....	64.86	65.07	62.67	62.27	62.29	62.48	62.81	63.38	63.93	64.40
14	64.49	.....	64.88	64.90	62.65	62.27	62.29	62.48	62.81	63.40	63.94	64.42
15	64.51	.....	64.89	64.35	62.63	62.26	62.30	62.48	62.83	63.40	63.97	64.43
16	64.56	.....	64.90	63.96	62.60	62.25	62.30	62.50	62.85	63.44	64.01	64.43
17	64.54	.....	64.90	63.76	62.58	62.24	62.32	62.52	62.85	63.45	64.00	64.48
18	64.60	.....	64.91	63.52	62.56	62.24	62.31	62.52	62.85	63.48	64.04	64.50
19	64.59	.....	64.94	63.44	62.54	62.24	62.33	62.52	62.87	63.50	64.05	64.51
20	64.56	.....	64.92	63.40	62.56	62.23	62.31	62.53	62.89	.....	64.05	64.51
21	64.59	.....	64.98	63.40	62.54	62.23	62.32	62.56	62.91	63.56	64.05	64.52
22	64.60	.....	64.98	63.35	62.51	62.24	62.32	62.55	62.92	63.56	64.06	64.53
23	64.63	.....	64.96	63.30	62.53	62.23	62.33	62.58	.....	63.58	64.09	64.54
24	.....	.....	64.96	63.27	62.49	62.23	62.33	62.58	63.14	63.59	64.10	64.56
25	.....	.....	65.01	63.25	62.44	62.22	62.35	62.60	63.14	63.60	64.12	64.57
26	.....	64.73	65.01	63.23	62.44	62.29	62.39	62.60	63.16	63.61	64.12	64.59
27	.....	64.76	65.00	63.17	62.42	62.23	62.36	62.61	63.16	63.63	64.13	64.62
28	.....	64.75	65.00	63.16	62.41	62.24	62.36	62.62	63.17	63.67	64.16	64.62
29	.....		65.01	63.12	62.39	62.23	62.36	62.63	63.18	63.67	64.17	64.65
30	.....		65.01	63.10	62.38	62.23	62.38	62.65	63.19	63.69	64.18	64.67
31	.....		65.01		62.38		62.38	62.67		63.70		64.67

Montgomery County

Mtg-1. City of Montgomery well 15A. Court and Chandler Sts. Drilled unused artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 674 feet. Land-surface datum is 164.50 feet above msl. Highest water level 102.9 below lsd, Mar. 14, 1951; lowest 150.2 below lsd, Sept. 30, 1955. Records available: 1940-41, 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	125.7	125.4	125.5	129.6	128.6	142.0	130.6	.....	150.0	128.4	.....
2	.....	126.0	125.5	125.4	129.7	131.3	137.5	130.8	.....	145.5	128.2	.....
3	.....	126.1	125.6	126.1	129.8	130.9	135.4	130.8	.....	.....	128.1	.....
4	.....	125.7	125.7	126.0	130.4	130.3	133.5	130.6	.....	.....	127.9	.....
5	.....	125.1	125.7	125.9	136.9	129.6	132.6	130.6	.....	.....	127.8	.....
6	.....	124.6	125.8	125.8	139.2	129.0	134.5	130.7	.....	.....	128.5	.....
7	.....	124.4	125.8	125.3	138.5	129.1	133.8	130.2	.....	.....	127.7	.....
8	.....	124.0	125.8	125.0	132.6	129.2	131.0	129.9	.....	.....	128.1	.....
9	.....	124.4	125.8	124.6	133.4	129.2	129.0	130.1	.....	.....	128.9	.....
10	.....	124.9	125.8	123.6	137.9	128.9	129.3	130.3	.....	.....	128.7	.....
11	.....	125.1	125.8	123.9	140.1	128.5	129.7	130.4	.....	.....	128.1	.....
12	.....	125.3	125.9	124.0	139.9	128.6	129.6	130.5	.....	.....	127.9	.....
13	.....	125.4	125.9	123.5	136.3	128.8	129.8	130.6	.....	.....	127.3	.....
14	.....	125.6	125.9	123.1	134.4	128.9	130.1	130.5	.....	.....	127.6	.....
15	.....	125.7	125.9	123.0	131.6	128.9	130.0	133.1	.....	.....	128.3	.....
16	.....	125.8	126.0	122.9	131.6	128.9	135.8	136.7	.....	.....	128.1	.....
17	.....	125.8	126.0	123.7	131.5	128.2	139.4	140.5	.....	.....	127.7	.....
18	.....	125.9	126.0	125.5	131.3	127.6	140.1	143.2	.....	.....	127.3	.....
19	.....	125.9	125.5	126.8	131.0	129.9	136.9	145.0	.....	.....	125.8	.....
20	.....	125.4	125.4	127.2	.....	132.3	134.9	145.6	.....	.....	125.4	.....
21	.....	125.3	125.5	127.5	.....	133.8	132.4	144.9	.....	.....	123.0	.....
22	.....	125.5	125.4	127.5	.....	135.0	.....	144.7	.....	.....	123.7	.....
23	.....	.....	125.3	126.8	.....	135.5	.....	.....	.....	.....	123.7	.....
24	.....	125.6	.....	.....	129.0	134.8	.....	.....	.....	.....	123.9	.....
25	.....	125.7	125.1	127.0	128.9	133.8	130.9	.....	.....	129.5	121.5	.....
26	.....	125.7	125.1	127.6	128.7	133.1	131.0	.....	147.7	129.8	120.2	.....
27	125.7	125.6	124.7	128.4	128.8	133.1	131.0	.....	147.9	129.5	.....	.....
28	125.9	125.2	124.5	128.9	128.4	134.7	133.2	.....	144.5	128.5	.....	.....
29	126.0		125.1	129.2	127.9	137.2	133.2	.....	148.4	128.2	.....	.....
30	125.5		125.3	129.5	127.5	140.4	130.9	.....	150.2	128.1	.....	.....
31	125.4		125.5		128.3		130.3	.....		128.4		.....

Mtg-2. City of Montgomery well 37. Hunter Loop Rd. NW¼NW¼ sec. 20, T. 16 N., R. 17 E. Drilled unused artesian well in sands of Eutaw formation and Tuscaloosa group, diameter 18 to 10 inches, depth 680 feet, cased to 670, screens 208-218, 232-242, 330-350, 376-386, 403-418, 605-620, 650-670. Land-surface datum is 161.5 feet above msl. Highest water level 67.1 below lsd, Apr. 27, 1952; lowest 128.1 below lsd, Oct. 2-3, 1955. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	82.4	90.5	....	97.2	102.0	114.4	117.0	123.8	127.8	110.2	.....
2	....	82.3	90.2	....	97.5	100.9	115.2	115.3	123.9	128.1	110.0	.....
3	....	82.3	88.7	....	98.8	100.6	115.2	115.1	123.5	128.1	109.7	.....
4	....	83.4	88.0	....	100.3	100.5	116.5	.....	123.9	127.9	109.5	.....
5	....	84.1	87.8	....	101.8	.....	117.4	.....	124.0	127.8	109.7	.....
6	....	83.9	88.3	....	103.2	.....	117.7	.....	123.3	127.1	109.5	.....
7	....	84.2	88.3	....	103.5	.....	118.4	.....	123.2	126.3	109.4	.....
8	....	....	88.1	....	103.4	.....	118.4	.....	123.1	126.6	.....	.....
9	....	....	88.1	....	103.8	.....	118.3	.....	123.2	126.7	.....	.....
10	....	....	88.1	....	105.0	.....	118.1	.....	123.3	125.9	.....	.....
11	....	....	88.1	....	106.0	.....	118.2	.....	123.4	123.5	.....	.....
12	....	....	88.1	....	107.5	.....	.....	.....	123.6	122.0	.....	.....
13	....	....	88.2	....	108.1	.....	.....	.....	124.0	121.5	.....	.....
14	....	....	87.5	....	108.0	.....	.....	.....	124.2	120.8	.....	.....
15	....	....	88.0	....	107.7	.....	.....	.....	124.2	119.9	.....	.....
16	....	....	88.5	....	106.3	.....	.....	.....	123.9	118.1	.....	.....
17	....	....	88.6	....	105.0	.....	.....	.....	124.0	117.4	.....	.....
18	....	....	88.9	....	104.7	.....	.....	.....	124.1	116.5	.....	.....
19	....	....	90.0	....	106.3	.....	.....	.....	124.0	115.5	.....	.....
20	....	....	....	....	106.5	.....	.....	.....	124.0	115.1	.....	.....
21	....	....	....	....	106.6	.....	.....	.....	124.1	114.7	.....	.....
22	....	....	....	....	107.3	.....	.....	.....	124.1	114.7	.....	.....
23	....	....	....	....	.....	.....	.....	.....	124.4	114.9	.....	.....
24	....	93.2	....	....	.....	108.3	.....	.....	125.0	114.9	.....	.....
25	....	92.6	....	92.6	107.0	108.9	117.6	122.3	125.8	114.3	.....	.....

Mtg-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	....	89.8	....	94.1	106.5	109.0	117.9	122.5	126.5	114.0	.....	.....
27	82.9	90.4	....	94.9	106.1	109.5	117.7	122.6	126.9	113.5	.....	.....
28	82.8	90.4	....	95.2	105.7	109.9	118.2	122.9	127.2	113.1	.....	.....
29	82.8		....	95.7	105.0	110.1	118.2	123.0	127.3	112.7	.....	.....
30	82.8		....	96.5	104.0	112.6	118.1	123.1	127.4	112.1	.....	.....
31	82.6		....		103.0		117.9	123.4		110.7		.....

Mtg-3. U. S. Geol. Survey. Montgomery. Lomax School on Old Hayneville Rd. SE¼SE¼ sec. 21, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Eutaw formation, diameter 6 to 4 inches, depth 271 feet, cased to 271, screens 210-215, 220-225, 265-270. Land-surface datum is 167.2 feet above msl. Highest water level 18.15 below lsd, May 11, 1953; lowest 31.32 below lsd, Oct. 1, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	24.21	.....	23.92	25.66	26.06	28.19	28.74	30.29	31.32	28.46	.....
2	.....	24.20	.....	23.95	25.75	25.96	28.36	28.40	30.31	31.31	28.38	.....
3	.....	24.24	.....	23.99	25.86	26.03	28.36	28.47	30.31	31.17	28.39	.....
4	.....	24.27	.....	24.03	26.17	26.26	28.25	28.80	30.28	31.04	28.45	.....
5	.....	24.36	.....	24.05	26.56	26.38	28.42	29.02	30.17	30.94	28.45	.....
6	.....	24.34	.....	24.05	26.86	26.45	28.56	29.12	30.09	30.89	28.40	.....
7	.....	24.17	.....	24.15	26.99	26.61	28.70	29.12	30.10	31.03	28.17	.....
8	.....	24.46	.....	24.22	27.14	26.61	28.77	28.97	30.22	31.04	28.48	.....
9	.....	24.70	.....	24.22	27.24	26.58	28.77	29.06	30.30	30.95	28.67	.....
10	.....	24.70	24.38	24.12	27.40	26.50	28.70	29.17	30.35	30.70	28.87	.....
11	.....	24.58	24.43	23.94	27.58	26.25	28.59	29.29	30.38	30.13	29.02	.....
12	.....	24.80	24.46	23.91	27.75	25.93	28.49	29.37	30.45	29.92	29.05	.....
13	.....	25.03	24.46	23.90	27.80	25.61	28.39	29.46	30.51	29.81	29.00	.....
14	.....	25.12	24.45	23.73	27.80	25.63	28.12	29.51	30.51	29.78	28.63	.....
15	.....	25.21	24.54	23.61	27.58	26.03	27.99	29.53	30.47	29.70	28.54	.....
16	.....	25.31	24.70	23.49	27.30	26.26	27.93	29.54	30.42	29.47	28.68	.....
17	.....	25.37	24.75	23.39	26.94	26.25	27.89	29.69	30.46	29.22	28.73	.....
18	.....	25.42	24.82	23.32	26.71	26.08	28.14	29.82	30.45	29.03	28.75	.....
19	.....	25.43	24.82	23.76	26.93	25.93	28.50	29.90	30.39	28.91	28.79	.....
20	.....	25.45	24.64	24.18	27.21	25.82	28.80	29.94	.....	28.81	28.71	.....
21	.....	25.44	24.42	24.49	27.21	25.92	29.03	29.95	30.70	28.68	28.40	.....
22	.....	25.38	24.42	24.68	27.13	26.31	29.13	29.97	30.96	28.65	28.61	.....
23	.....	25.34	24.36	24.80	27.05	26.65	29.13	30.04	31.13	28.67	28.81	.....
24	.....	25.24	24.13	24.88	26.99	27.05	.....	.....	31.15	28.72	28.86	.....
25	.....	.....	24.02	24.89	26.99	27.32	28.90	30.16	31.13	28.79	28.80	.....
26	.....	.....	24.06	25.02	27.00	27.55	28.79	30.18	31.10	28.93	.....	.....
27	24.25	.....	24.05	25.14	27.01	27.66	28.80	30.02	31.26	29.02	.....	.....
28	24.25	.....	23.98	25.30	26.97	27.66	28.87	30.02	31.29	29.05	.....	.....
29	24.26		23.98	25.45	26.73	27.77	28.97	30.18	31.30	29.07	.....	.....
30	24.25		23.96	25.56	26.40	27.92	29.02	30.19	31.28	29.06	.....	.....
31	24.25		23.93		26.32		29.01	30.21		28.70		.....

Mtg-4. City of Montgomery. West well field. SE¼SE¼ sec. 20, T. 16 N., R. 17 E. Drilled observation artesian well in sand of Tuscaloosa group, diameter 6 inches, depth 446 feet. Land-surface datum is 152.8 feet above msl. Highest water level 52.6 below lsd, Mar. 2, 1953; lowest 135.1 below lsd, Oct. 2-3, 1955. Records available: 1953-55.

Daily lowest water level from recorder graph, 1953

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	54.6	57.3	55.8	87.7	95.2	98.5	100.7	90.6	87.6	72.7
2	....	....	53.5	57.3	....	88.9	94.5	97.2	102.9	89.0	89.2	72.1
3	....	....	54.4	56.2	....	90.2	94.4	97.1	103.4	88.0	90.4	72.0
4	....	....	55.7	56.3	60.7	90.8	94.0	99.0	104.1	....	91.5	74.1
5	....	....	56.0	56.3	63.3	91.7	....	100.1	104.2	86.3	92.6	73.3
6	....	....	55.7	54.5	63.1	91.1	96.6	101.0	100.1	85.5	93.6	73.7
7	....	....	55.6	55.2	63.6	87.9	98.1	101.7	97.4	83.9	94.4	76.5
8	....	....	54.2	56.1	62.8	88.3	99.3	102.2	99.6	82.3	95.1	77.7
9	....	....	54.5	56.6	62.3	90.9	100.2	102.8	101.7	80.7	95.5	78.5
10	....	....	54.5	57.8	61.9	92.1	100.5	102.8	103.1	79.5	92.4	78.8
11	....	....	55.2	57.1	61.6	92.9	100.4	102.1	103.7	79.4	91.3	78.8
12	....	....	55.2	57.3	63.1	92.7	100.1	102.3	103.9	79.5	90.7	77.8
13	....	....	55.7	56.5	65.2	94.1	99.4	102.7	104.7	77.4	90.2	77.9
14	....	....	56.2	57.3	66.2	93.3	100.5	103.5	105.5	75.2	90.0	78.8
15	....	....	54.9	57.6	65.9	93.1	100.8	104.1	105.8	73.6	88.8	78.8

Mtg-4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	....	....	54.3	58.6	67.4	94.5	98.6	104.2	106.1	72.3	88.0	77.2
17	....	....	55.5	60.0	66.4	95.3	97.3	104.8	106.4	71.3	88.0	76.0
18	....	....	55.7	60.7	66.6	96.1	95.9	104.9	106.5	70.5	87.8	74.7
19	....	....	56.8	58.8	67.4	97.3	94.2	105.0	106.6	70.8	86.5	73.5
20	....	....	56.9	58.5	66.5	98.1	93.0	105.3	104.0	71.1	85.2	72.8
21	....	....	56.9	60.7	67.9	98.4	92.9	104.5	101.5	71.0	84.8	72.3
22	....	....	54.9	62.0	68.7	97.8	91.4	104.0	99.8	72.6	84.2	71.7
23	....	....	53.7	63.0	70.9	99.0	....	.....	98.1	75.0	83.5	70.4
24	....	53.7	54.6	63.7	72.9	99.8	....	99.4	96.3	76.4	82.4	69.5
25	....	54.2	55.9	63.1	74.7	100.1	....	102.0	93.4	77.2	81.7	68.7
26	....	53.9	55.5	60.7	77.2	100.0	....	103.2	90.8	78.5	80.3	67.7
27	....	54.9	55.0	59.2	80.2	77.5	89.4	104.1	93.0	79.4	78.2	67.0
28	....	54.8	55.0	59.1	82.5	95.6	90.4	103.2	93.5	78.7	76.6	66.2
29	....	....	54.4	58.5	84.3	97.5	93.3	101.4	92.5	81.1	75.0	65.5
30	....		55.1	56.7	85.8	97.7	96.2	100.3	91.9	83.6	73.7	64.8
31	....		57.3		87.2		97.7	99.1		85.8		64.9

Daily lowest water level from recorder graph, 1954

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.9	63.4	62.8	65.4	84.3	91.5	106.9	109.6	121.2	123.7	105.4	88.1
2	64.2	63.3	62.9	65.5	84.7	92.0	107.6	110.5	121.9	123.7	105.8	88.2
3	63.7	63.0	63.4	65.1	84.8	92.9	107.8	111.1	122.3	124.1	105.8	88.3
4	63.6	63.3	63.1	65.0	85.5	93.3	107.7	112.2	122.9	124.2	105.6	88.4
5	63.4	63.5	62.7	65.4	85.6	93.4	106.5	113.3	123.5	124.7	105.8	88.0
6	63.4	63.0	61.8	....	85.7	93.9	103.7	114.5	124.2	125.9	106.5	87.2
7	62.9	62.5	60.5	....	86.2	94.5	104.2	115.0	124.7	126.0	106.6	86.0
8	62.6	62.1	59.6	....	86.8	95.1	105.0	115.9	125.2	125.1	106.6	85.0
9	62.1	62.3	60.0	....	86.7	95.6	105.2	116.3	125.7	123.6	106.2	84.6
10	61.6	63.3	60.4	....	86.2	96.5	104.6	116.2	126.0	119.9	105.7	84.8
11	62.3	64.0	62.4	....	86.2	97.4	104.7	115.6	126.2	119.9	105.3	84.9
12	63.0	64.0	64.0	....	86.1	98.4	105.1	116.2	126.3	119.3	104.6	84.3
13	63.3	63.7	64.5	....	86.5	98.4	106.6	117.3	.....	119.3	104.1	83.4
14	63.6	63.8	64.4	....	85.5	98.1	108.6	118.0	.....	119.6	103.5	82.5
15	64.2	64.7	64.4	....	86.0	98.3	109.7	118.1	126.4	119.7	100.6	82.7
16	64.3	64.8	64.9	....	86.3	98.7	109.8	118.5	126.7	119.2	98.5	83.0
17	64.7	64.8	64.6	....	86.8	98.8	109.7	119.4	.....	115.5	97.4	83.1
18	65.3	64.6	64.5	....	86.8	99.0	109.0	119.8	.....	114.4	96.7	82.6
19	65.4	64.6	64.7	....	86.8	98.5	108.4	119.4	.....	114.8	96.0	81.8
20	....	63.5	63.9	....	86.6	98.0	109.0	118.8	.....	114.7	95.2	81.4
21	65.5	63.1	63.7	....	86.4	97.8	109.9	118.4	.....	114.3	94.0	81.7
22	66.5	63.9	63.3	....	87.5	98.2	110.5	115.0	.....	114.4	....	82.1
23	66.4	64.0	63.4	....	88.1	99.1	110.6	114.8	.....	114.2	....	82.5
24	65.3	63.9	64.6	....	88.6	99.9	110.2	115.7	121.4	113.9	....	82.7
25	64.4	63.9	65.9	....	....	100.3	109.8	116.9	121.3	.....	92.5	82.7
26	63.6	64.5	66.0	80.7	88.9	100.9	109.0	118.1	121.0	112.3	92.1	81.9
27	63.8	64.1	65.5	81.3	89.5	101.7	108.7	.....	120.8	112.5	91.6	81.0
28	64.3	63.8	64.5	82.2	90.1	102.2	108.7	118.7	121.7	112.5	90.2	80.4
29	64.7		65.0	82.8	90.2	103.6	108.4	119.7	122.7	109.9	89.5	79.7
30	64.2		64.5	83.5	90.5	105.3	108.5	120.2	123.6	107.0	88.3	79.4
31	63.5		65.3		90.9		109.1	120.3		105.0		79.6

Daily lowest water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	78.5	93.4	76.6	98.6	94.4	.....	.....	131.0	134.9	118.2	120.4
2	....	78.3	91.0	76.5	98.9	93.9	.....	.....	131.0	135.1	118.7	120.2
3	....	78.3	91.4	76.5	99.8	94.9	.....	.....	130.9	135.1	119.2	119.8
4	....	81.2	91.2	76.9	100.9	96.0	.....	.....	131.1	134.8	119.1	119.7
5	....	81.9	91.7	77.3	102.1	100.5	.....	.....	131.2	134.5	119.0	119.6
6	....	80.1	92.5	77.7	103.5	101.6	.....	.....	131.0	133.6	118.9	119.4
7	....	82.1	92.3	78.5	104.2	101.9	115.6	.....	130.6	132.7	118.9	119.0
8	....	85.4	92.0	79.0	104.6	99.6	116.6	.....	130.7	132.5	118.6	118.7
9	....	86.5	92.1	79.1	105.0	97.6	117.0	.....	130.7	132.6	119.1	118.6
10	....	84.7	92.1	78.8	106.0	97.0	116.8	.....	130.7	132.5	119.2	117.8
11	....	87.3	92.2	79.1	106.7	95.5	114.2	.....	131.0	131.6	119.8	118.4
12	....	90.1	92.1	80.2	108.2	94.3	113.4	.....	131.2	130.7	120.0	118.5
13	....	91.9	92.1	80.2	108.9	96.0	113.1	.....	131.4	130.3	120.0	118.4
14	....	93.0	90.1	80.0	109.0	98.2	113.3	.....	131.7	127.0	119.9	118.5
15	....	94.0	91.0	80.1	109.5	98.5	113.6	.....	131.7	124.4	119.7	118.7

Mtg-4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	....	95.0	91.5	80.2	106.3	95.7	113.9	.....	131.6	122.7	119.8	119.0
17	....	96.2	91.7	80.2	105.6	94.0	114.9	.....	131.5	121.7	120.0	119.0
18	....	96.9	91.8	83.1	106.7	93.3	114.9	.....	131.6	120.6	120.2	117.1
19	....	97.2	91.7	86.3	108.0	93.1	118.0	.....	131.6	119.8	120.1	118.2
20	....	97.3	86.6	....	108.2	96.5	119.7	.....	131.7	119.1	115.9	118.5
21	....	96.1	85.1	....	108.0	98.7	120.9	.....	131.8	118.6	116.1	118.7
22	....	96.2	84.0	....	108.4	100.4	122.8	.....	131.9	118.1	117.4	118.9
23	....	95.3	82.5	....	108.4	101.8	123.3	.....	132.1	118.0	118.1	119.1
24	....	95.5	81.1	....	107.8	102.6	.....	.....	132.6	117.8	118.3	119.1
25	....	93.6	80.0	92.5	106.1	.....	.....	129.8	133.3	116.5	118.4	115.5
26	....	93.4	79.3	94.4	105.2	.....	.....	130.0	133.6	116.3	.....	112.8
27	79.4	93.6	78.6	95.4	102.4	.....	.....	130.1	134.2	116.0	.....	113.9
28	79.1	93.6	78.1	96.0	101.3	.....	.....	130.3	134.4	115.8	120.3	114.8
29	79.1		77.6	96.8	99.5	.....	.....	130.5	134.5	115.5	120.5	115.7
30	78.9		77.0	97.8	98.2	.....	.....	130.6	134.6	115.0	120.4	116.6
31	78.8		76.5		95.8		.....	130.6		116.2		117.0

Morgan County

Mor-1. Jack Pitts. Pitts Motel on U. S. Highway 31. NE¼NW¼ sec. 5, T. 6 S., R. 4 W. Drilled unused artesian well in Tuscumbia limestone, diameter 6 inches, depth 228 feet. Land-surface datum is 588 feet above msl. Highest water level 9.8 below lsd, Mar. 28, 1955; lowest 29.6 below lsd, Oct. 20-21, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	....	10.6	12.9	....	25.3	....	....	....	....	....
2	....	....	....	10.3	13.2	....	25.4	....	....	....	....	....
3	....	....	....	10.0	13.5	....	25.6	....	....	....	....	....
4	....	....	....	10.0	....	....	25.8	....	....	....	....	....
5	....	....	....	10.2	....	....	25.9	....	....	....	....	....
6	....	....	....	10.3	15.9	....	25.6	....	....	....	....	....
7	....	....	....	10.3	16.4	....	24.2	....	....	....	....	....
8	....	....	....	10.7	16.6	....	23.7	....	....	....	....	....
9	....	....	....	11.1	17.0	....	23.3	....	....	....	....	....
10	....	....	....	11.2	17.3	....	....	....	....	....	....	....
11	....	....	....	11.2	17.7	....	....	....	....	....	....	....
12	....	....	....	11.1	17.9	....	....	....	....	....	....	....
13	....	....	....	10.8	18.2	....	....	....	....	....	....	27.1
14	....	....	....	10.7	18.6	....	....	....	....	....	....	27.4
15	....	....	....	10.8	18.7	....	....	....	....	....	28.9	....
16	....	....	....	10.7	18.8	20.4	....	....	....	....	28.9	....
17	....	....	....	....	19.1	21.4	....	....	....	....	28.3	....
18	....	....	12.9	11.0	19.4	22.6	23.8	....	....	29.2	28.4	....
19	h10.2	h11.4	13.1	11.1	19.9	23.2	24.5	....	....	29.4	28.1	....
20	....	....	13.5	11.2	20.4	23.5	24.5	....	29.2	29.6	27.5	....
21	....	....	13.4	11.2	....	23.7	24.3	27.0	29.2	29.6	27.0	....
22	....	....	12.4	11.2	....	23.9	24.3	27.7	28.9	29.4	....	....
23	....	....	11.4	11.3	....	24.2	24.3	....	28.9	29.2	....	....
24	....	....	10.8	11.3	....	24.2	24.3	....	28.7	29.2	....	....
25	....	....	10.7	11.0	....	24.2	24.2	....	28.5	....	....	....
26	....	....	10.4	11.2	....	24.2	....	....	28.3	....	....	....
27	....	....	10.2	11.3	....	24.4	....	....	....	....	....	....
28	....	....	9.9	11.9	....	24.4	....	....	....	....	....	....
29	....		10.0	12.3	....	24.6	....	....	....	....	....	....
30	....		10.4	12.6	....	25.0	....	....	....	....	....	....
31	....		10.6		....		....	....		....		....

h Tape measurement.

Pickens County

Pic-3. Reform Gin Co. SE¼NW¼ sec. 28, T. 19 S., R. 14 W. Drilled unused artesian well in sand of Tuscaloosa group, diameter 4 to 2 inches, depth 78 feet, cased to 51. Land-surface datum is 229.73 feet above msl. Highest water level 3.21 below lsd, Apr. 20, 1948; lowest 7.62 below lsd, Oct. 22, 1954. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 19	5.48	Apr. 20	4.52	July 20	5.98	Oct. 6	6.93
Feb. 24	4.73	May 18	5.06	Aug. 24	5.87	Nov. 19	6.89
Mar. 23	4.81	June 22	5.67	Sept. 16	6.23	Dec. 17	7.14

Talladega County

Tal-1. City of Sylacauga. City brickyard. NE¼NE¼NE¼ sec. 32, T. 21 S., R. 4 E. Drilled unused artesian well in marble of Cambrian or Ordovician age, diameter 14 inches, depth 1,360 feet, cased to 40. Land-surface datum is 541.6 feet above msl. Highest water level 6.83 below lsd, Apr. 17, 1955; lowest 39.78 below lsd, Dec. 31, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	32.35	21.03	14.15	13.28	18.56	23.16	23.16	28.75	36.32	37.88	37.47
2	.....	31.83	21.50	14.10	11.65	18.74	23.58	23.48	29.45	36.27	37.85	.....
3	.....	32.23	22.00	12.58	12.88	19.00	23.89	23.80	29.70	36.20	37.73	.....
4	.....	32.38	22.00	12.57	13.55	19.25	24.22	24.30	29.70	36.42	37.68	.....
5	.....	32.76	22.30	12.52	14.65	19.45	24.92	24.65	30.10	35.78	37.56	.....
6	34.99	32.75	22.10	12.22	14.35	19.78	25.04	24.91	30.40	36.19	37.70	.....
7	35.35	32.33	22.00	11.30	14.36	19.90	25.28	25.10	30.80	36.42	38.00	37.33
8	35.39	32.10	22.05	9.90	15.47	20.10	25.33	25.13	31.25	36.37	38.08	37.58
9	35.28	31.48	22.20	9.95	16.23	20.42	25.32	25.37	31.60	36.40	37.84	37.78
10	35.20	26.45	20.40	9.82	16.65	20.10	25.42	25.63	31.83	36.49	37.80	38.15
11	41.50	26.80	18.85	8.62	17.20	17.95	25.57	25.73	32.08	36.58	.....	38.40
12	32.88	27.25	18.18	8.08	17.45	18.25	25.66	25.98	32.38	36.57	.....	38.57
13	33.35	27.40	17.90	7.53	17.65	18.65	25.80	26.30	32.77	36.85	.....	38.69
14	33.65	27.50	17.80	7.30	17.86	19.00	25.85	26.65	33.08	36.93	.....	38.79
15	33.84	27.40	17.73	8.02	16.80	19.00	26.05	26.86	33.27	36.95	.....	38.98
16	33.37	27.38	17.82	7.20	17.23	19.22	26.23	27.05	33.57	36.82	.....	38.98
17	32.27	25.45	17.96	6.83	18.48	19.48	26.53	27.48	33.84	37.07	.....	38.95
18	31.70	24.30	17.78	7.50	19.20	19.65	26.85	27.58	33.90	37.10	38.72	39.09
19	30.85	23.98	17.35	7.60	19.55	19.85	27.06	27.61	34.17	37.23	38.66	39.09
20	27.75	23.70	15.80	9.30	18.40	20.18	27.15	27.78	34.38	37.05	38.33	39.08
21	30.45	23.83	14.33	10.80	18.48	20.73	23.98	27.96	34.60	36.68	38.36	39.11
22	30.45	23.65	13.40	11.68	15.90	21.20	24.14	28.08	34.73	37.01	38.25	39.20
23	30.58	21.10	12.92	9.73	17.38	21.38	23.88	28.29	35.00	37.33	38.30	39.21
24	30.63	20.93	13.18	9.28	17.28	21.45	22.15	28.03	35.23	37.37	38.08	39.36
25	31.27	20.70	13.30	9.48	17.18	21.75	22.13	28.80	35.28	37.48	37.55	39.52
26	31.50	20.75	13.53	8.68	17.55	21.95	22.78	28.90	35.45	37.60	.....	38.85
27	31.80	20.68	13.72	11.83	17.95	22.13	22.15	29.28	35.68	37.66	.....	37.79
28	32.05	20.83	13.71	11.87	18.37	22.35	22.30	29.60	35.78	37.62	.....	38.85
29	32.35		14.60	12.22	18.30	22.60	22.65	29.90	35.87	37.49	.....	39.29
30	32.50		16.43	13.04	18.33	22.83	22.63	30.18	35.83	37.70	37.24	39.55
31	32.10		14.43		18.43		22.79	28.70		37.91		39.78

Tuscaloosa County

Tus-1. University of Alabama. North end of Smith Hall. NE¼NE¼NE¼ sec. 23, T. 21 S., R. 10 W. Drilled observation water-table well in sand and gravel of Tuscaloosa group, diameter 4 to 2 inches, depth 56 feet, cased to 56, screen 50-56. Land-surface datum is 230.1 feet above msl. Highest water level 24.92 below lsd, May 13, 1955; lowest 27.86 below lsd, Jan. 10-11, 13, 1955. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.84	27.60	.....	26.25	25.06	25.00	.....	.....	25.85	26.15	28.54	.....
2	27.85	27.61	.....	28.18	25.04	24.99	.....	.....	25.68	26.17	26.59	.....
3	27.83	27.62	.....	26.20	25.03	24.99	.....	.....	25.68	.....	26.58	26.82
4	27.81	27.61	.....	26.19	25.00	24.98	.....	25.52	25.69	.....	26.58	.....
5	27.81	27.60	.....	26.20	24.99	24.98	.....	25.53	25.69	.....	26.59	.....
6	27.82	27.62	.....	26.18	24.98	25.01	.....	25.52	25.81	.....	26.62	.....
7	27.82	27.60	26.86	26.15	24.96	25.02	.....	25.51	25.82	.....	26.64	26.82
8	27.83	27.58	26.85	26.10	24.96	25.03	.....	25.53	25.84	.....	26.65	26.87
9	27.82	27.54	26.81	26.06	24.96	25.06	.....	25.54	25.85	.....	26.63	26.88
10	27.86	27.50	26.79	26.05	24.96	25.06	.....	25.55	25.86	26.26	26.66	26.88
11	27.86	27.50	26.77	.....	24.95	25.08	.....	25.54	25.87	26.26	26.67	26.87
12	27.84	27.45	26.76	25.94	24.98	25.09	25.43	25.56	25.88	26.28	26.68	26.87
13	27.86	27.40	26.74	25.95	24.94	25.16	25.45	25.57	25.91	26.29	26.69	26.86
14	27.82	27.34	26.74	25.89	24.95	.....	25.44	25.58	25.92	26.31	26.69	26.87
15	27.82	27.33	26.72	25.83	24.95	.....	25.46	25.58	25.93	26.32	26.70	26.88
16	27.81	27.30	26.73	25.75	24.95	.....	25.46	25.58	25.94	26.33	26.74	26.89
17	27.79	27.30	26.72	25.66	24.95	.....	25.48	25.63	25.96	26.34	26.74	26.90
18	27.82	27.26	26.72	.....	24.97	.....	25.48	25.62	25.96	26.37	26.73	26.91
19	27.82	27.23	26.71	.....	24.98	.....	.....	25.63	25.98	26.37	26.75	26.93
20	27.78	27.23	26.71	.....	24.97	25.26	.....	25.64	25.99	26.39	26.75	26.92

Tus-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	27.74	.....	26.69	.....	24.99	.....	.....	25.66	26.02	26.41	26.76	26.93
22	27.74	.....	26.70	.....	25.02	.....	25.50	25.67	26.02	26.42	26.77	26.91
23	27.72	27.05	.....	.....	25.08	.....	25.48	25.67	26.03	.....	26.82	26.90
24	27.60	27.06	.....	.....	25.06	.....	25.48	25.69	26.05	26.47	26.81	26.92
25	27.60	27.04	.....	25.22	25.03	.....	25.47	25.69	.....	26.47	26.82	26.93
26	27.58	27.01	.....	25.21	25.05	.....	25.48	25.70	26.10	26.49	.....	26.95
27	27.56	26.97	.....	25.17	25.06	25.31	25.47	25.71	26.09	26.50	.....	26.96
28	27.55	26.98	.....	25.16	25.06	.....	25.47	25.72	26.10	26.53	.....	26.97
29	27.55		26.34	25.12	25.07	.....	25.46	25.61	26.11	26.52	26.83	26.97
30	27.54		26.33	25.10	25.02	.....	.....	25.64	26.14	26.54	.....	26.98
31	27.60		26.28		24.99		.....	25.65		26.53		26.99

Tus-2. B. F. Goodrich Tire & Rubber Co. SE¼NE¼SW¼ sec. 29, T. 21 S., R. 10 W. Drilled observation artesian well in sand and gravel, diameter 6 to 5 inches, depth 72 feet, cased to 72, screen 58-71. Land-surface datum is 161 feet above msl. Highest water level 19.45 below lsd, Apr. 23, 1955; lowest 22.28 below lsd, Dec. 27-30, 1955. Records available: 1955.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	20.68	19.70	20.72	20.63	20.64	20.77	21.29	21.83	22.14
2	.....	.....	.....	20.64	19.73	20.71	20.66	.....	20.77	21.30	21.88	22.14
3	.....	.....	.....	20.68	19.78	20.69	20.66	.....	20.80	.....	21.89	22.17
4	.....	.....	.....	20.69	19.75	20.68	20.68	20.68	20.83	.....	21.89	22.17
5	.....	.....	.....	20.76	19.75	20.68	20.69	20.70	20.84	.....	21.89	22.12
6	.....	.....	.....	20.74	19.77	20.68	20.73	20.68	20.79	.....	21.88	22.06
7	.....	.....	.....	20.70	19.78	20.71	20.71	20.69	20.80	.....	21.94	22.05
8	.....	.....	.....	20.69	19.86	20.72	20.73	20.68	20.84	.....	21.94	22.20
9	.....	.....	.....	20.65	19.87	20.75	20.75	20.69	20.87	.....	21.92	22.19
10	.....	.....	.....	20.57	19.90	20.75	20.75	20.69	20.88	.....	.....	22.17
11	.....	.....	.....	20.50	19.92	20.78	20.77	20.58	20.89	21.43	21.92	22.16
12	.....	.....	.....	20.37	19.94	20.84	20.80	20.48	20.94	21.43	21.92	22.11
13	.....	.....	.....	20.28	19.91	20.62	20.83	20.47	20.97	21.46	.....	22.14
14	.....	.....	.....	20.15	19.94	20.43	20.81	20.49	20.98	21.47	21.97	22.15
15	.....	.....	.....	20.04	19.98	20.35	20.86	20.48	20.96	21.49	.....	22.17
16	.....	.....	.....	19.91	19.99	20.40	20.73	20.42	20.99	21.53	.....	22.17
17	.....	.....	.....	19.83	20.53	20.39	20.73	20.42	21.01	.....	.....	22.13
18	.....	.....	.....	19.75	20.56	20.41	20.73	20.47	21.01	.....	.....	22.25
19	.....	.....	.....	19.72	20.58	20.41	20.60	20.50	21.00	21.54	.....	22.19
20	.....	.....	.....	19.68	20.57	20.44	20.59	20.52	21.04	21.58	.....	22.17
21	.....	.....	.....	19.70	20.61	20.45	20.59	20.50	21.08	21.58	.....	22.16
22	.....	.....	.....	19.59	20.66	20.46	20.60	20.49	21.09	21.59	.....	22.17
23	.....	.....	.....	19.55	20.72	20.51	20.59	20.52	21.10	21.61	.....	22.22
24	.....	.....	21.88	19.57	20.70	20.49	20.55	20.55	21.13	21.68	.....	22.22
25	.....	.....	21.86	19.63	20.66	20.50	20.67	20.61	21.16	21.68	.....	22.25
26	.....	.....	21.90	19.63	20.71	20.53	20.69	20.64	21.20	21.69	.....	22.26
27	.....	.....	21.87	19.60	20.72	20.55	20.66	20.64	21.20	21.71	.....	22.28
28	.....	.....	21.78	19.65	20.72	20.58	20.62	20.67	21.21	21.70	.....	22.28
29	.....		21.71	19.70	20.70	20.60	20.61	20.70	21.25	21.74	.....	22.28
30	.....		21.67	19.74	20.69	20.61	20.63	20.73	21.27	21.78	22.19	22.28
31	.....		21.61		20.72		20.64	20.75		21.83		22.26

Wilcox County

Wil-1. City of Camden. NE¼NE¼ sec. 29, T. 12 N., R. 8 E. Drilled unused artesian well in sand of Ripley formation, diameter 4 inches, depth 400 feet, cased to 395. Land-surface datum is 165 feet above msl. Highest water level 68.10 below lsd, Apr. 27, 1953; lowest 130.92 below lsd, Sept. 18, 1955. Records available: 1953-55. Recording gage installed Dec. 8.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	101.62	Nov. 4	99.80	Dec. 14	83.75	Dec. 23	83.69
Feb. 27	91.43	14	88.90	15	83.60	24	83.47
Mar. 29	87.54	Dec. 5	84.80	16	83.50	25	82.62
Apr. 22	85.37	8	85.97	17	86.10	26	81.32
May 20	99.08	9	84.90	18	83.05	27	97.30
June 24	112.23	10	84.10	19	82.42	28	100.79
July 21	128.71	11	84.00	20	83.00	29	88.75
Aug. 28	125.89	12	82.72	21	83.40	30	86.35
Sept. 18	130.92	13	83.36	22	83.62	31	85.58
Oct. 15	119.26						

FLORIDA

By C. B. Sherwood, Jr., C. F. Essig, Jr., and L. R. Mills

Scope of Water-Level Program

The observation-well program is part of the cooperative investigations of the ground-water resources of Florida, which were begun in some areas as early as 1930 and in southern Florida in 1939. During 1955 the statewide observation program was continued in cooperation with the Florida Geological Survey; with the Central and Southern Florida Flood Control District; with the counties of Dade, Manatee, Pinellas, Polk, and Seminole; and with the cities of Daytona Beach, Fort Lauderdale, Miami, Miami Beach, Naples, New Smyrna Beach, Pensacola, and Sanford.

During 1955 an extensive search of old records and publications revealed water-level measurements that establish new lows or highs in several wells. At the close of 1955, water-level measurements were being made in 750 wells throughout the State, 145 of which are equipped with recording gages. (See table below.) Figures 9-13 show the location of observation wells in Florida. A report, "Water resources of southeastern Florida, with special reference to the geology and ground water of the Miami area," by Garald G. Parker and others, was published as Geological Survey Water-Supply Paper 1255. A report, "Geology and ground-water resources of Highlands County, Fla.," by E. W. Bishop, was placed in the open file.

County	Wells reported in annual water-level report for 1955		Wells not reported in annual water-level report	
	Measured periodically	Equipped with recording gages	Measured periodically	Equipped with recording gages
Bay	3	-	--	1
Brevard	5	-	37	6
Broward	-	4	68	2
Citrus	2	-	--	-
Clay	7	-	--	-
Collier	-	2	18	1
Columbia	-	1	--	-
Dade	1	30	152	7
Duval	13	1	6	-
Escambia	3	4	2	2
Flagler	1	-	--	-
Franklin	-	-	2	-
Gadsden	1	-	--	-
Gulf	-	1	--	-
Hendry	-	2	--	1
Highlands	-	7	--	-
Hillsborough	-	3	16	-
Holmes	2	-	--	-
Indian River	-	1	--	1
Jackson	1	1	--	-
Lake	4	-	--	-
Lee	1	2	--	2
Leon	2	1	1	-
Madison	-	1	1	-
Manatee	-	1	23	3
Marion	4	1	--	-
Martin	-	1	25	2
Nassau	9	1	--	-
Okaloosa	6	-	2	-
Okeechobee	-	3	--	-
Orange	-	3	--	-

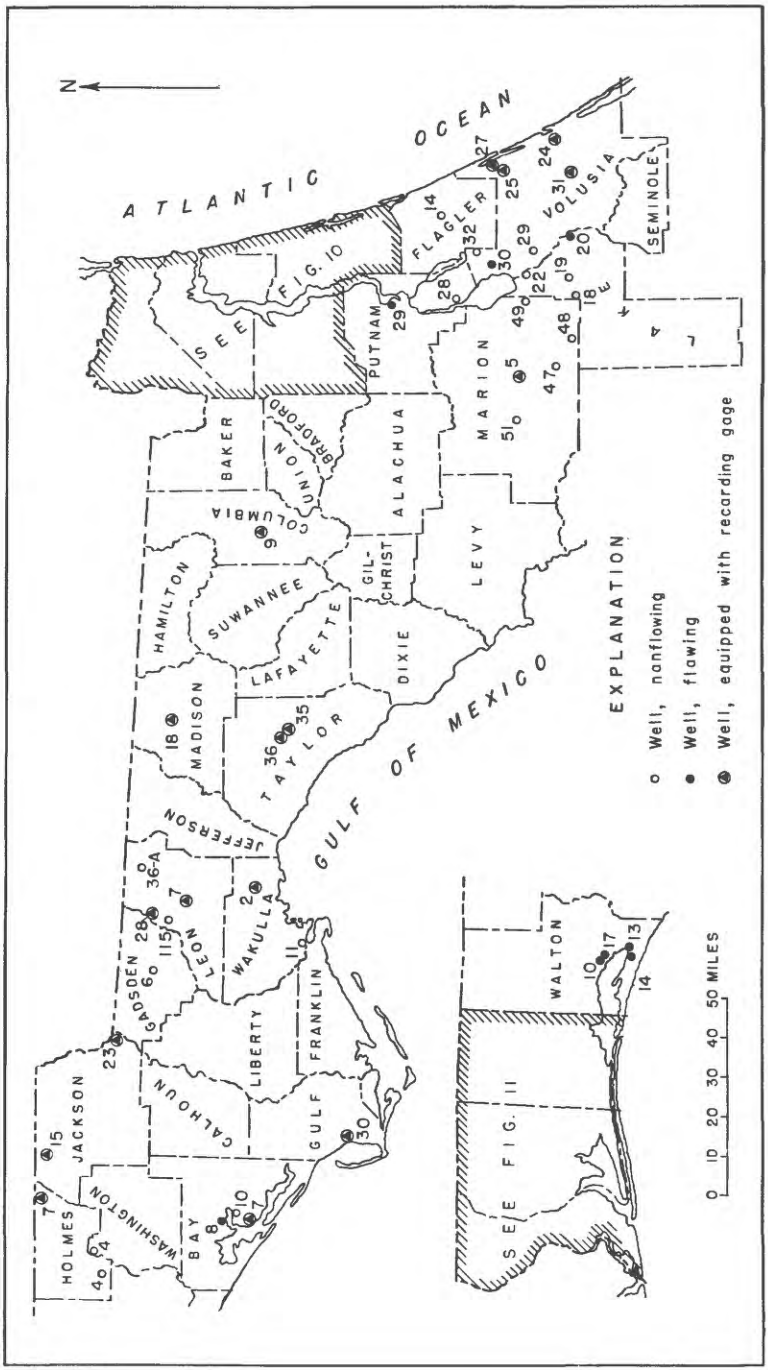


Figure 9.--Location of observation wells in northern Florida, 1955.

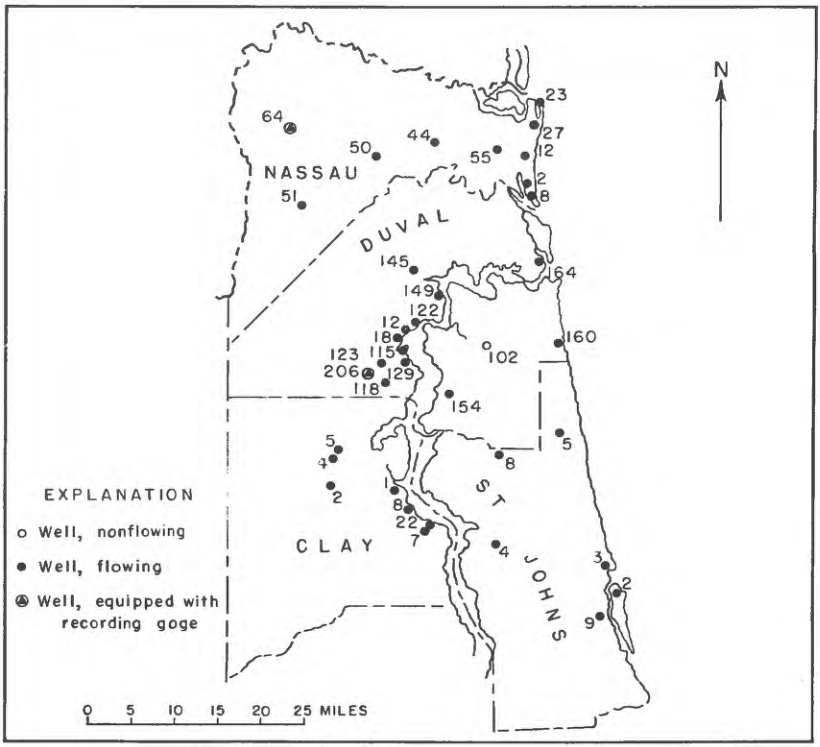


Figure 10. --Location of observation wells in Nassau, Duval, Clay, and St. Johns Counties, Fla., 1955.

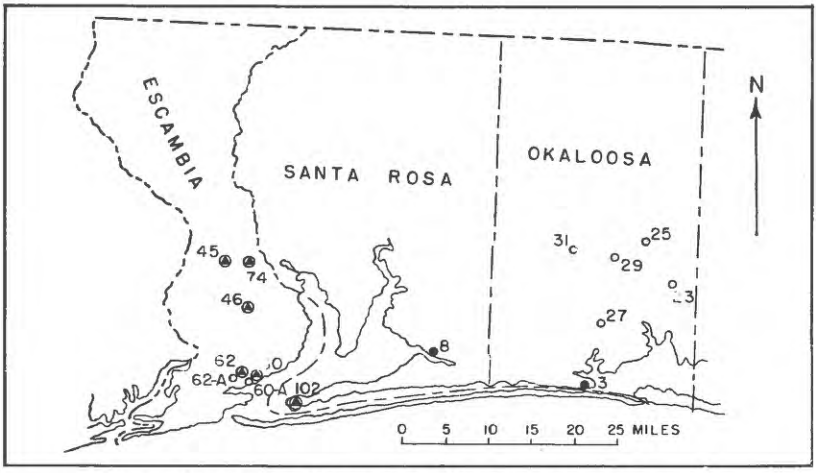


Figure 11. --Location of observation wells in Escambia, Santa Rosa, and Okaloosa Counties, Fla., 1955.

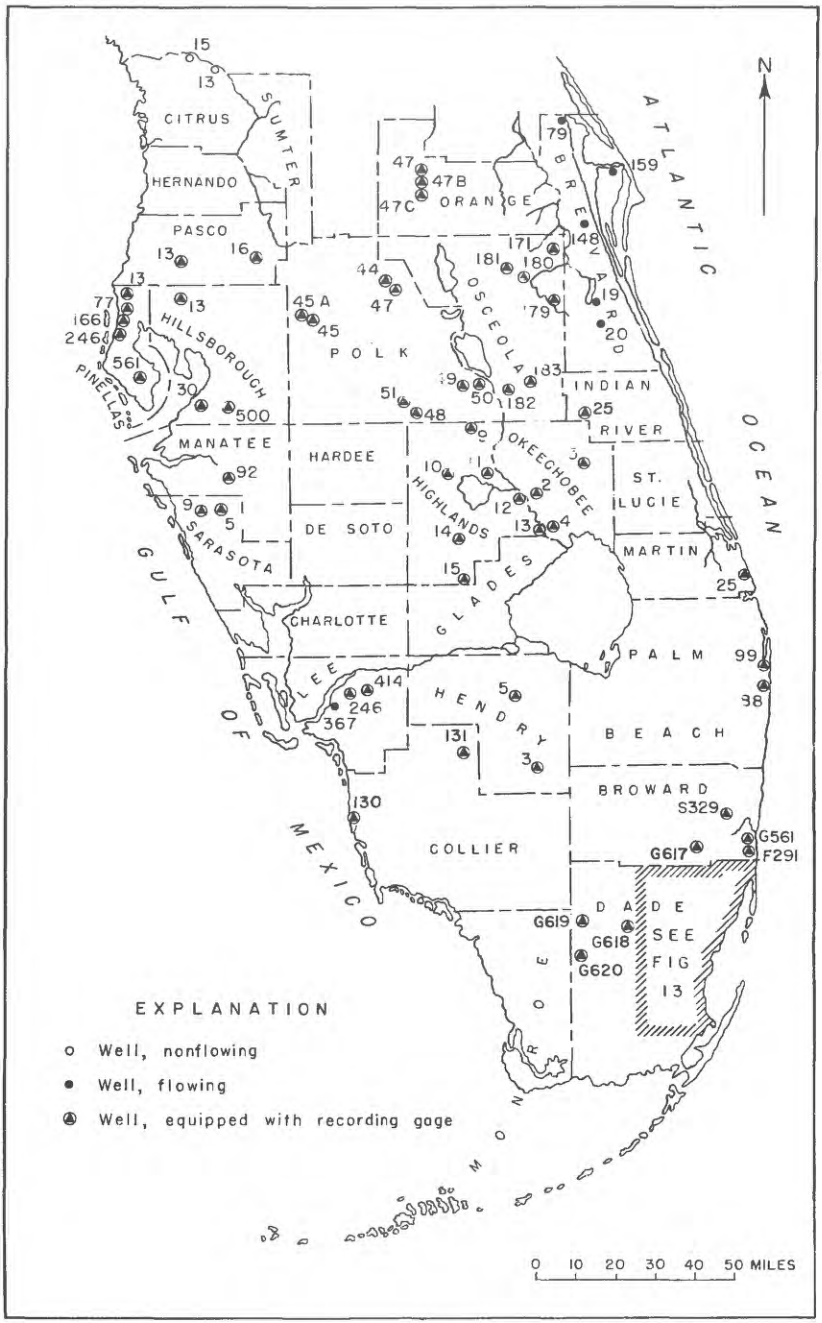


Figure 12. --Location of observation wells in southern Florida, 1955.

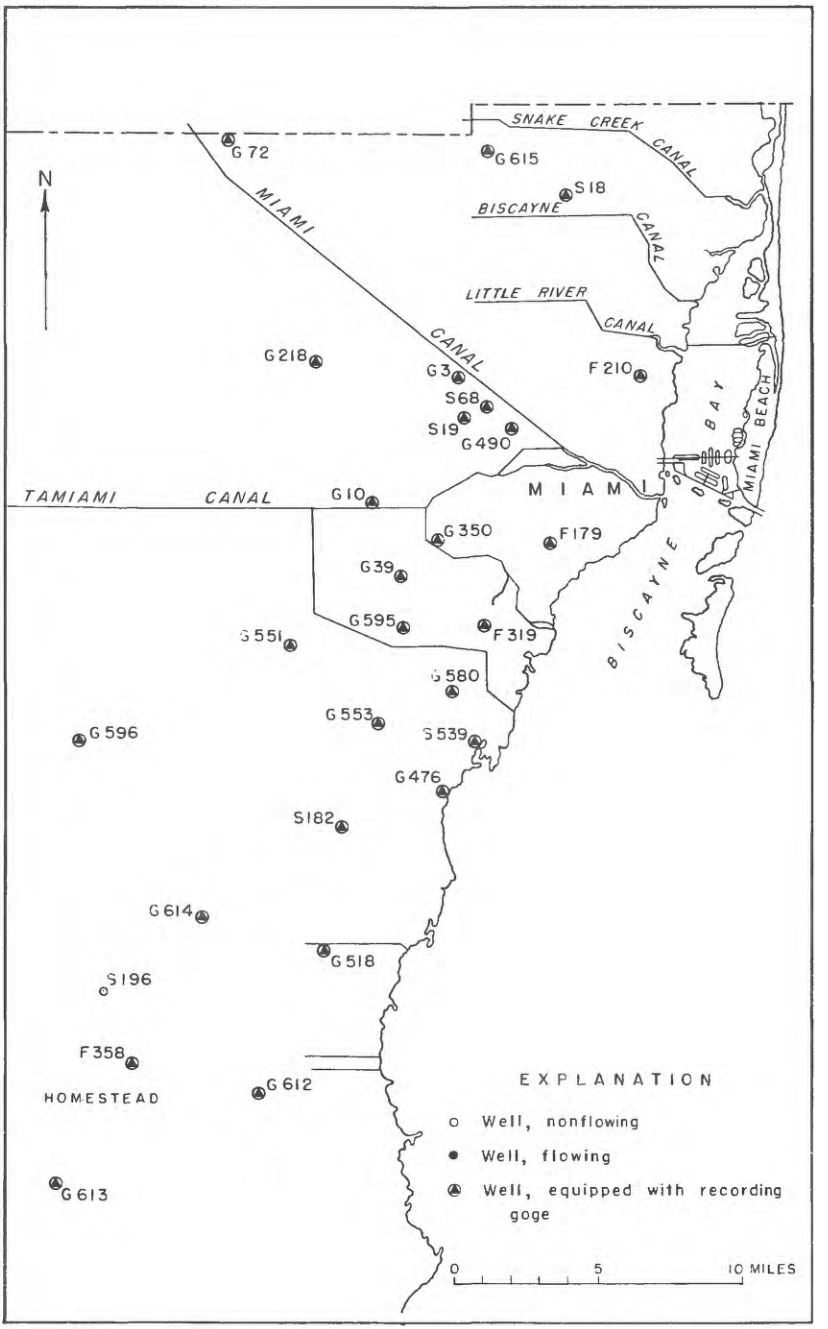


Figure 13. --Location of observation wells in eastern Dade County, Fla., 1955.

List of wells--Continued

County	Wells reported in annual water-level report for 1955		Wells not reported in annual water-level report	
	Measured periodically	Equipped with recording gages	Measured periodically	Equipped with recording gages
Osceola	-	6	--	-
Palm Beach	-	2	--	4
Pasco	-	2	--	-
Pinellas	-	5	--	2
Polk	-	8	65	5
Putnam	2	-	--	-
St. Johns	6	-	--	-
St. Lucie	-	-	--	2
Santa Rosa	1	1	1	-
Sarasota	-	2	--	-
Seminole	-	-	70	2
Taylor	-	2	22	1
Volusia	3	4	12	3
Wakulla	1	1	--	-
Walton	3	-	--	-
Washington	1	-	--	-
Total	82	104	523	41

Precipitation

The average precipitation for the State, which was 7.44 inches below normal in 1954, was 42.33 inches in 1955, 10.84 inches below normal. As a result, there was drought in many parts of Florida. Departures from normal precipitation ranged from 0.92 inch below at Everglades to 24.41 inches below at West Palm Beach. Rainfall distribution with reference to the normal for the year at selected stations is summarized in the following table.

Precipitation at selected stations in Florida, 1955

Town	County	Total precipitation (inches)	Departure from normal
Everglades	Collier	50.48	-0.92
Fort Lauderdale	Broward	41.20	-23.99
Fort Myers	Lee	43.96	-9.31
Homestead	Dade	52.59	-10.01
Jacksonville	Duval	46.21	-6.09
Lake City	Columbia	31.97	-17.91
Miami	Dade	40.34	-6.86
Orlando	Orange	42.26	-8.97
Palatka	Putnam	43.75	-8.01
Pensacola	Escambia	57.38	-4.22
Tallahassee	Leon	44.11	-12.55
Tampa	Hillsborough	48.81	-1.13
West Palm Beach	Palm Beach	37.28	-26.29

Pumpage

The average pumpage from the city of Miami well fields during 1955 was 72 mgd (million gallons per day); 19 mgd of which was obtained from Alexander Orr well field, near well G551. The heaviest pumping occurred during March when the average was 87 mgd.

Occurrence of Ground Water

The source of water for most cities, industries, farms, citrus groves, and rural homes in Florida north of Lake Okeechobee is the highly productive and extensive Floridan aquifer consisting of the Ocala limestone and associated limestones of Eocene, Oligocene, and Miocene ages. These limestones are overlain by a thick section of younger deposits, including relatively impermeable beds that confine the water in the limestone formations under artesian pressure sufficient to rise above the land surface. The areas of artesian flow extend over a large part of the State, including a band about 20 miles wide along the east coast, all the area south of Lake Okeechobee, and the Kissimmee River valley. In a narrow band along the east coast south of St. Augustine and in the area south of Lake Okeechobee where the water in the aquifer is too highly mineralized for most uses, the source of water is the shallow deposits. In Escambia and Santa Rosa Counties, where the Floridan aquifer is either absent or at relatively great depth, the principal sources of water are the shallow aquifers. These aquifers, composed of limestone, sand, shell marl, and coquina range in age from Miocene to Pleistocene. The water-transmitting capacity of these aquifers differs widely. The Biscayne aquifer, which serves as a source of supply for the city of Miami, is one of the most productive in the world. Generally, however, the shallow aquifers are less permeable and less productive than the Floridan.

Interpretation of Water-Level Fluctuations

The drought which prevailed over large areas of the State during 1954 continued in 1955. Water levels showed the effects of extremely dry weather by declining to record lows in 101 of the 186 wells for which measurements are included in this report. Except for 11 wells in Collier, Dade, Hendry, Palm Beach, and Sarasota Counties, all the record lows were in central and northern Florida. Water levels in most areas declined to a minimum during the late spring and summer, then started to recover during the fall and winter. In most wells, the fall and winter water stages failed to recover to those of the beginning of 1955. Water levels in several wells declined steadily throughout 1955, reaching record lows in November and December.

The annual change in water level in each aquifer is summarized in the following table by comparing the year-end measurements in 184 observation wells for 1954 and 1955. The water-level change in all aquifers was a continuation of the 1954 downward trend. The declines were greatest in the Floridan aquifer; they were generally small in the shallow aquifers. In the Floridan aquifer, the average declines ranged from 1 to 5 feet, except in Duval, Santa Rosa, and Okaloosa Counties, where they exceed 5 feet. Declines of less than 1 foot were noted in Flagler, Madison, Pinellas, and Volusia Counties; a slight rise was noted in Gulf, Wakulla, and Washington Counties.

In southeastern Florida, the water levels in the Biscayne and other shallow aquifers ranged from 0.2 foot to 3.0 feet below normal, except during June, July, and August, when they were as much as 0.5 foot above normal in Dade and Broward Counties. The major declines occurred in Palm Beach County where average water levels were the lowest of record (1945 to date) during the last 4 months of 1955. In the Kissimmee Valley area, the average ranged from about normal to 2.5 feet below normal. Declines were greatest throughout the year in the ridge area of Highlands and Polk Counties. The lowering of water levels increased during the last half of 1955 in the lower Kissimmee Valley. In southwestern Florida, the average water levels were generally below normal, except during the first half of the year in the Fort Myers area, where they were a few tenths of a foot above the average for the period of record. Figures 14-17 are hydrographs of selected wells in southern Florida showing average monthly water level in 1955 and high, low, and mean of the average monthly water levels for the period of record. The water level in well L246 is affected by pumping of nearby wells. The level in well G72 is affected by a nearby impounding levee.

Net change in 1955 year-end water levels from 1954 year-end level in selected observation wells

[Yearly rise (+) or decline (-), in feet]

County	Aquifer	Number of wells	Average change	Range of change	
Bay	Floridan	3	-0.81	+0.59	-3.40
Brevard	Floridan	5	-2.5	-1.89	-3.7
Broward	Biscayne	4	+.48	+.96	-.36
Citrus	Floridan	2	-2.60	-1.39	-3.82
Clay	Floridan	7	-2.7	-1.8	-3.4
Collier	Water-table	2	+.21	+.16	+.27
Columbia	Floridan	1	-2.64	-	-
Dade	Biscayne	31	.00	+1.72	-1.07
Duval	Floridan	14	-2.83	+.98	-4.0
Escambia	Artesian	4	-2.60	-.63	-4.42
	Semiartesian	1	-2.28	-	-
	Water-table	2	+.16	+.03	+.29
Flagler	Floridan	1	-.16	-	-
Gadsden	Floridan	1	-3.19	-	-
Gulf	Floridan	1	+2.23	-	-
Hendry	Water-table	2	+.19	+.10	+.28
Highlands	Water-table	7	-1.46	-.61	-2.23
Hillsborough	Floridan	3	-2.00	-1.54	-2.48
Holmes	Floridan	2	-.72	+.14	-1.58
Indian River	Water-table	1	-.65	-	-
Jackson	Floridan	2	-4.64	-.76	-8.52
Lake	Floridan	4	-1.33	+.38	-2.83
Lee	Water-table	2	-2.61	-.63	-4.59
Leon	Floridan	2	-3.59	-.68	-6.5
	Water-table	1	-2.36	-	-
Madison	Floridan	1	-.41	-	-
Manatee	Floridan	1	-2.96	-	-
Marion	Floridan	5	-2.11	+1.02	-3.66
Martin	Water-table	1	-1.18	-	-
Nassau	Floridan	9	-3.38	+.41	-11.48
Okaloosa	Floridan	6	-3.65	+5.16	-11.0

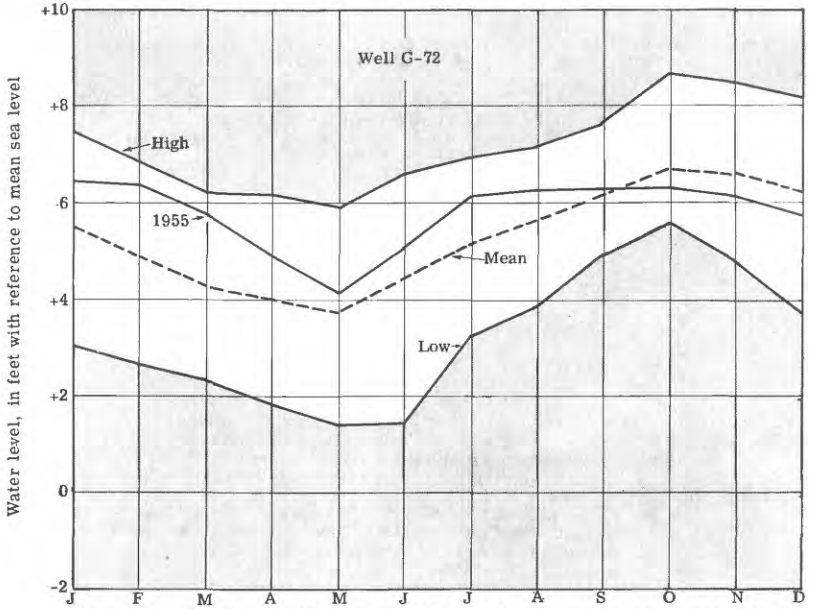


Figure 14. --Hydrograph of well G-72 in Dade County, Fla., showing average monthly water level in 1955 and high, low, and mean of the average monthly water levels for the period 1940-54.

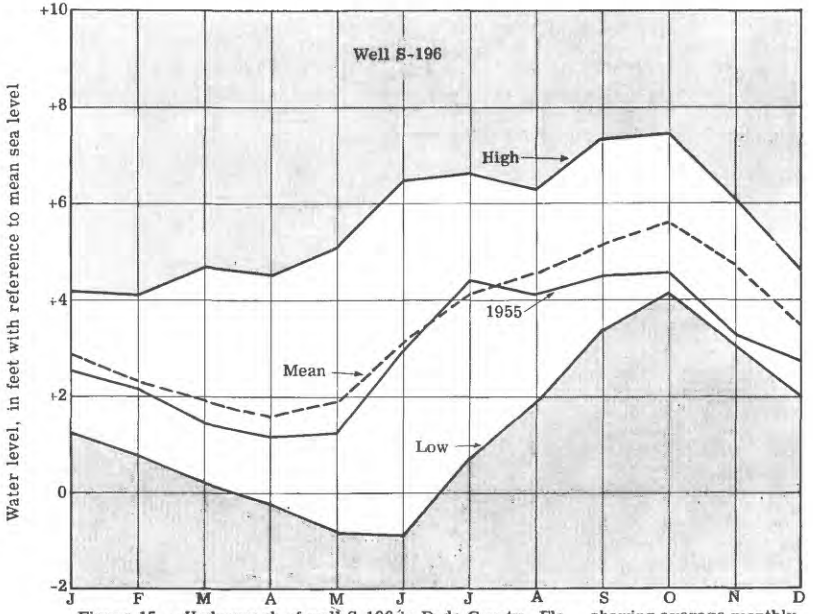


Figure 15. --Hydrograph of well S-196 in Dade County, Fla., showing average monthly water level in 1955 and high, low, and mean of the average monthly water levels for the period 1932-54.

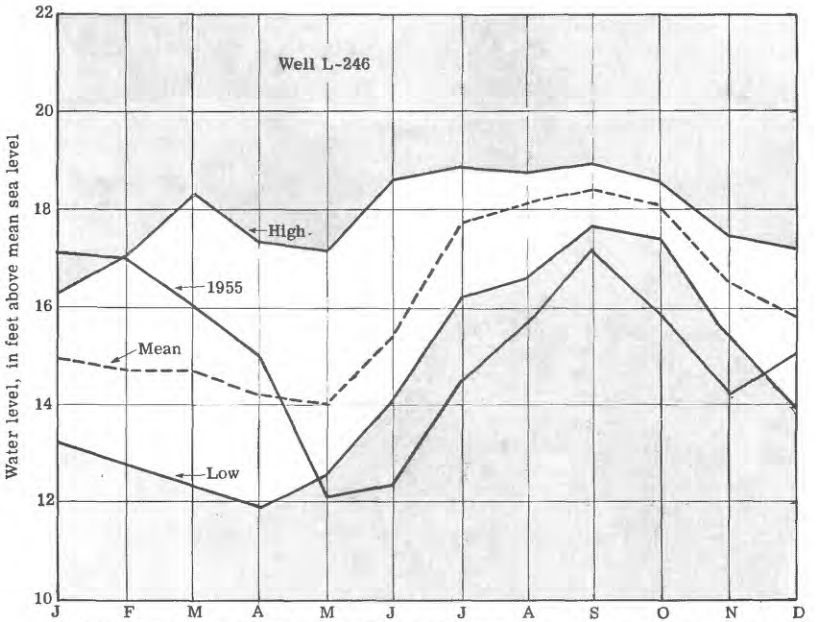


Figure 16.--Hydrograph of well L-246 in Lee County, Fla., showing average monthly water level in 1955 and high, low, and mean of the average monthly water levels for the period 1945-54.

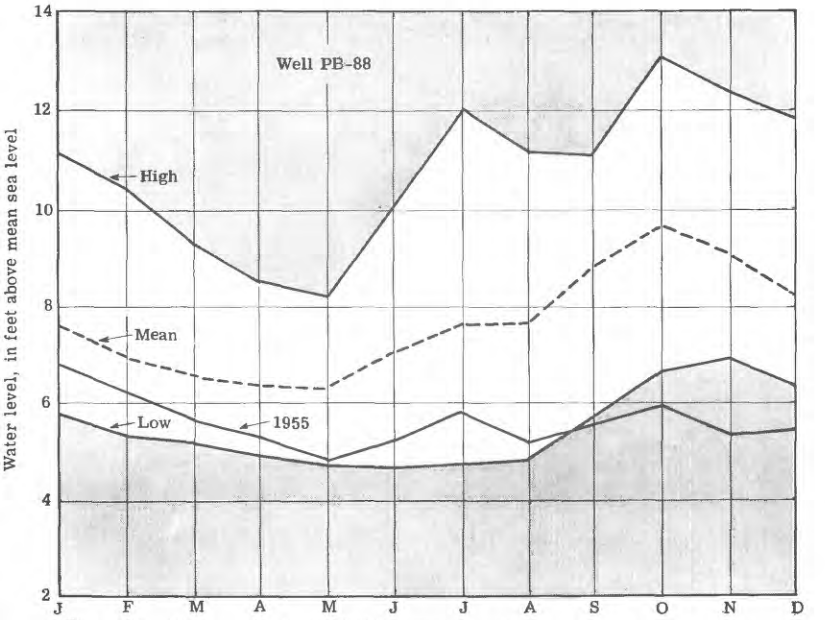


Figure 17.--Hydrograph of well PB-88 in Palm Beach County, Fla., showing average monthly water level in 1955 and high, low, and mean of the average monthly water levels for the period 1945-54.

Net change in 1955 year-end water levels from 1954 year-end level in selected observation wells--Continued

County	Aquifer	Number of wells	Average change	Range in change	
Okeechobee	Water-table	3	-1.25	-0.62	-1.71
Orange	Floridan	1	-2.94	-	-
	Water-table	2	-2.32	-.98	-3.67
Osceola	Water-table	6	-.73	+.20	-1.17
Palm Beach	Biscayne	2	-1.25	-.82	-1.68
Pasco	Floridan	1	-2.13	-	-
	Water-table	1	-.07	-	-
Pinellas	Floridan	5	-.22	+.30	-1.02
Polk	Floridan	3	-2.54	-1.13	-3.90
	Water-table	5	-1.32	+.37	-2.58
Putnam	Floridan	2	-1.24	-.64	-1.85
St. Johns	Floridan	6	-2.6	-2.2	-3.7
Santa Rosa	Floridan	1	-6.7	-	-
	Water-table	1	+.71	-	-
Sarasota	Floridan	2	-2.26	-2.00	-2.52
Taylor	Floridan	1	-6.40	-	-
	Water-table	1	-2.06	-	-
Volusia	Floridan	7	-.34	+.34	-1.06
Wakulla	Floridan	2	+.18	+.81	-.44
Walton	Floridan	3	-1.4	-1.2	-1.7
Washington	Floridan	1	+1.38	-	-

Acknowledgments

The water-level measurements for Dade County well S196 were furnished by the University of Florida Subtropical Experiment Station, Homestead.

Well-Numbering System

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

Well Descriptions and Water-Level Measurements

Water levels are in feet below land-surface datum unless otherwise indicated. When some measurements in a table are above and others below the plane of reference, a plus (+) or minus (-) sign is placed immediately before the first entry in each column of each mixed table. Readings between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

Bay County

7. Panama City. Clay and 11th Sts., St. Andrew. $SW\frac{1}{4}NE\frac{1}{4}$ sec. 1, T. 4 S., R. 15 W. Drilled unused artesian well in Floridan aquifer, diameter 3 inches, depth 356 feet. Land-surface datum is 26.3 feet above msl. Highest water level 36.6 below lsd, Aug. 20, 1936; lowest 68.25 below lsd, June 30, 1955. Records available: 1936, 1946-55. Previously shown as T. 3 S.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	56.66	May 17	66.41	Aug. 19	66.41	Nov. 9	65.25
Feb. 23	59.18	June 30	68.25	Sept. 29	66.94	Dec 21	62.70
Apr. 8	63.37						

8. St. Joe Paper Co. $SW\frac{1}{4}SE\frac{1}{4}$ sec. 28, T. 2 S., R. 14 W. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 435 feet, cased to 300. Land-surface datum is 4 feet above msl. Highest water level 2.64 above lsd, Oct. 25, 1949; lowest 0.70 above lsd, Dec. 1, 1954. Records available: 1936, 1947-55. Previously shown as $NE\frac{1}{4}SE\frac{1}{4}$ sec. 28.

Jan. 13	+0.90	May 17	+1.08	Aug. 19	+1.60	Nov. 9	+1 45
Feb. 23	+1.32	June 30	+.95	Sept. 29	+1.73	Dec. 21	+1.29
Apr. 8	+1.18						

10. L. R. Pierson. $NE\frac{1}{4}NE\frac{1}{4}$ sec. 11, T. 3 S., R. 14 W. Drilled domestic artesian well in Floridan aquifer, diameter 8 inches, depth 300 feet. Land-surface datum is 25.74 feet above msl. Highest water level 5.53 below lsd, Aug. 20, 1936; lowest 10.25 below lsd, Sept. 9, 1954. Records available: 1936, 1946-55. Previously shown as $NE\frac{1}{4}NE\frac{1}{4}$ sec. 10.

10--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	8.51	May 17	9.22	Aug. 19	8.10	Nov 9	7.65
Feb. 23	7.93	June 30	9.71	Sept. 29	7.63	Dec. 21	7.89
Apr. 8	9.10						

Brevard County

19. R. M. Wall. NE¼NE¼ sec. 6, T. 28 S., R. 36 E. Drilled domestic artesian well in Floridan aquifer, diameter 2 inches, reported depth 413 feet, cased to 80. Land-surface datum is 19.04 feet above msl. Highest water level 30.0 above lsd, Oct. 15, 1949; lowest 24.4 above lsd, Mar. 23, 1953. Records available: 1934, 1946-55. Previously shown as NW¼NW¼ sec. 5.

Jan. 27	+27.6	Apr. 21	+27.0	July 14	+25.0	Oct. 27	+24 7
Mar. 4	+27.0	June 1	+25.7	Sept. 6	+25.6	Dec. 9	+24.7

20. Marion Platt. NE¼NW¼ sec. 4, T. 29 S., R. 36 E. Drilled irrigation artesian well in Floridan aquifer, diameter 4 inches, reported depth 447 feet, cased to 125. Land-surface datum is 23 feet above msl. Highest water level 28.7 above lsd, May 12, 1947; lowest 22.9 above lsd, July 14, 1955. Records available: 1934, 1942, 1946-55.

Jan. 27	+25.9	Apr. 21	+24.5	July 14	+22.9	Oct. 27	+24.1
Mar. 4	+24.7	June 1	+24.1	Sept. 14	+23.2	Dec. 9	+23.0

79. Nevins Fruit Co. Formerly C. W. Carlisle. Delspine Grant. T. 20 S., R. 35 E. Drilled artesian well in Floridan aquifer, diameter 4 inches, reported depth 160 feet, cased to 85. Land-surface datum is 8.98 feet above msl. Highest water level 6.7 above lsd, Aug. 29, 1946; lowest 1.28 above lsd, May 13, 1955. Records available: 1946-55. Previously shown as NE¼NW¼ sec. 11.

Jan. 14	+3.72	May 13	+1.28	Sept. 20	+2.68	Nov. 16	+2 64
Mar. 7	+3.04	June 1	+1.79	Oct. 19	+2.98	Dec 10	+2 39
Apr. 5	+2.77	July 14	+2.42	28	+3.25		

148. W. P. Warren. NE¼NE¼ sec. 31, T. 24 S., R. 36 E. Drilled irrigation artesian well in Floridan aquifer, diameter 4 inches, reported depth 206 feet, cased to 105. Land-surface datum is 19.49 feet above msl. Highest water level 13.1 above lsd, Sept. 16, 1947; lowest 7.7 above lsd, Aug. 1, 1950 Records available: 1946-55.

Jan. 27	+11.4	Apr. 21	+9.9	July 14	+8.4	Oct. 28	+9.3
Mar. 4	+10.6	June 1	b+8.9	Sept 6	+8.3	Dec 10	+9.7

b Pumped recently.

159. H. R. Jacobsen. NW¼NW¼ sec. 19, T. 22 S., R. 37 E. Drilled irrigation well in Floridan aquifer, diameter 6 inches, depth 210 feet, cased to 144. Land-surface datum is 3.77 feet above msl. Highest water level 17.2 above lsd, Dec. 14, 1946; lowest 12.0 above lsd, July 14, 1955. Records available: 1946-47, 1949-55. Jan. 27, +14.7; Mar. 4, +13.9; Apr. 21, +13.8; June 1, +13.1, pumped recently; July 14, +12.0; Sept. 13, +12.4; Oct. 28, +13.0. Previously shown as NE¼SW¼ sec. 18.

Broward County

F291. City of Hollywood. South 20th Ave. and Dewey St., Hollywood. NW¼NW¼ sec. 22, T. 51 S., R. 42 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 107 feet. Land-surface datum is 9.16 feet above msl. Highest water level 7.26 above msl, Oct. 5, 1948; lowest 0.16 above msl, July 2, 1952. Records available: 1939-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct	Nov.	Dec.
1	1 19	1.28	1.02	0.85	0.58	0 91	2.51	2.13	2.12	1.79	2.45	1.59
2	1.19	1.24	1.00	.80	.58	.92	2.42	2.13	2.11	1 75	2 39	1.57
3	1.19	1.22	.98	.77	.57	.92	2.37	2.14	2.04	1 73	2.34	1 56
4	1.18	1.20	.96	.77	.59	.90	2.31	2.14	1 96	1.70	2.30	1.55
5	1.18	1.20	.94	.75	.57	.88	2.27	2.12	1.91	1.66	2.25	1.54
6	1.16	1.20	.92	.73	.57	.86	2.29	2.08	1.86	1 64	2.21	1.51
7	1.14	1.19	.89	.69	.58	.83	2.29	2.05	1.93	1.64	2.17	1.49
8	1.13	1.18	.87	.66	.58	.83	2.26	2.03	2.84	1.62	2.13	1.56
9	1.12	1.17	.86	.73	.55	.82	2.22	2.00	3 03	1.58	2.12	1.57
10	1.12	1.16	.85	.73	.55	.81	2.19	1.96	3.02	1.55	2.11	1.57

F291--Continued.

Day	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	1.13	1.14	0.82	0.71	0.56	1.42	2.16	1.91	2.94	2.13	2.08	1.57
12	1.15	1.13	.81	.66	54	1.89	2.12	1.87	2.81	4.06	2 05	1.62
13	1.15	1.11	.79	66	.55	2.14	2.07	1.85	2.67	4.06	2.02	1.64
14	1.15	1 10	.77	.66	.56	2.22	2.05	1.86	2.56	4.06	1.99	1.86
15	1.17	1.10	.75	.63	.57	2.26	2.02	1.88	2.47	3.97	1.96	1.87
16	1.18	1 07	.73	.60	.60	2.28	1.98	1.87	2 37	3.84	1.92	1 87
17	1 18	1.07	.71	.59	.77	2.37	1.93	1.84	2.30	3.71	1.87	1 87
18	1.19	1.10	.69	.57	.85	2.89	1.88	1.87	2.24	3.58	1.84	1.85
19	1.19	1.13	.67	.56	1.02	3.14	1.93	1.86	2.19	3.49	1.81	1.81
20	1.19	1.13	.65	.55	1.02	3.15	1.91	1.84	2.14	3.38	1.79	1.77
21	1.18	1.10	.64	.54	1.02	3.14	1.98	1.80	2.09	3.27	1.75	1.74
22	1.18	1.10	.61	.54	1.02	3.07	1.97	1.75	2.04	3.17	1.73	1.71
23	1.19	1.08	.60	.55	1.02	2.98	2.02	1.72	2.02	3.08	1.70	1.69
24	1.23	1.07	.83	.55	1.00	2.88	2.01	1.91	2.10	2.98	1.66	1.66
25	1.24	1.06	.85	.54	.98	2.80	1.99	1.91	2.12	2.91	1.65	1.64
26	1.24	1.05	.93	.53	.96	2.93	1.94	1.86	2.07	2.80	1.63	1.61
27	1.26	1.05	.93	.50	.91	2.87	1.92	1.79	1.99	2.74	1.62	1.58
28	1.27	1.05	.92	.51	.88	2.76	1.86	1.75	1.95	2.67	1.60	1.56
29	1.30		.91	.53	.84	2.68	1.94	1.77	1.90	2.60	1.62	2.08
30	1.30		.89	.58	.81	2.60	2.04	1.72	1.84	2.56	1.60	2.13
31	1.29		.88		.86		2.10	2.08		2.50		2.14

G561. U. S. Geol. Survey. Southeast 4th Ave. and 20th St., Fort Lauderdale. SE¼SE¼ sec. 15, T. 50 S., R. 42 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 20 feet, cased to 20. Land-surface datum is 8.15 feet above msl. Highest water level 7.40 above msl, Oct. 5, 1948; lowest 0.05 above msl, July 2, 1952. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.98	0.95	0.72	0.53	1.06	0.94	2.01	1.84	1.40	1.42	1.80	0.89
2	.95	.88	.70	.47	1.02	.96	2.02	1.76	1.40	1.43	1.76	.88
3	.94	.85	.67	.51	.99	.95	2.00	1.73	1.40	1.43	1.71	.86
4	.89	.84	.64	.51	.99	.93	1.94	1.69	1.45	1.40	1.65	.85
5	.86	.87	.61	.48	.99	.90	1.89	1.68	1.45	1.39	1.59	.82
6	.84	.88	.58	.46	.97	.85	1.81	1.65	1.43	1.39	1.56	.77
7	.83	.88	.54	.43	.94	.83	1.78	1.65	1.59	1.36	1.54	.77
8	.86	.88	.51	.40	.92	....	1.72	1.63	2.15	1.35	1.51	.86
9	.90	.88	.50	.42	.88	....	1.66	1.62	2.37	1.31	1.51	.87
10	.94	.88	.49	.42	.79	....	1.61	1.63	2.39	1.31	1.50	.87
11	.97	.87	.48	.39	.71	....	1.54	1.60	2.37	1.74	1.48	.87
12	.99	.84	.48	.34	.64	....	1.47	1.58	2.23	2.74	1.45	.86
13	.99	.80	.45	.32	.60	....	1.41	1.60	2.10	3.23	1.42	.90
14	.99	.77	.44	.32	.57	....	1.36	1.60	2.00	3.25	1.35	1.09
15	.99	.74	.42	.27	.58	....	1.32	1.57	1.94	3.20	1.30	1.12
16	1.01	.73	.42	.25	.63	....	1.27	1.67	1.95	3.04	1.26	1.11
17	.99	.75	.41	.25	.81	....	1.24	1.60	1.97	2.89	1.20	1.11
18	.97	.79	.37	.27	1.05	....	1.20	1.64	1.95	2.75	1.16	1.09
19	.96	.82	.33	.30	1.22	....	1.18	1.61	1.86	2.66	1.12	1.02
20	.94	.82	.32	.34	1.29	....	1.19	1.59	1.31	2.54	1.11	.97
21	.92	.81	.30	.38	1.29	....	1.29	1.53	1.77	2.44	1.06	.96
22	.93	.80	.30	.44	1.28	....	1.31	1.44	1.72	2.34	1.02	.93
23	.94	.81	.28	.49	1.21	....	1.34	1.40	1.65	2.28	.99	.92
24	.98	.79	.42	.53	1.15	....	1.34	1.45	1.60	2.19	.96	.91
25	1.01	.79	.46	.53	1.05	....	1.28	1.42	1.59	2.12	.93	.90
26	1.00	.79	.52	.52	.96	....	1.22	1.35	1.56	2.06	.95	.87
27	1.01	.77	.54	.49	.92	....	1.20	1.32	1.52	2.03	.96	.85
28	1.02	.70	.57	.51	.87	2.18	1.16	1.29	1.48	1.98	.95	1.46
29	1.03		.60	1.38	.80	2.14	1.15	1.28	1.43	1.94	.94	1.62
30	1.05		.58	1.24	.76	2.07	1.80	1.27	1.41	1.91	.92	1.64
31	1.00		.56		.90		1.84	1.32		1.86		1.64

G617. U. S. Geol. Survey. SE¼NW¼ sec. 15, T. 50 S., R. 40 E. Drilled observation water-table well in sandstone of Biscayne aquifer, diameter 6 inches, depth 29 feet, cased to 28. Land-surface datum is 6.0 feet above msl. Highest water level 6.61 above msl, May 16, 1954; lowest 2.80 above msl, May 25-27, 1951. Records available: 1950-55.

G617--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.99	4.12	3.74	3.70	3.07	3.92	5.66	4.64	....	4.09	4.10	3.65
2	3.99	4.07	3.73	3.65	3.07	3.92	5.66	4.50	....	4.13	4.05	3.65
3	3.99	4.02	3.72	3.67	3.06	3.92	5.30	4.45	....	4.08	4.03	3.67
4	3.99	3.98	3.70	3.68	3.06	3.88	4.99	4.41	....	3.94	4.01	3.68
5	3.97	3.93	3.68	3.68	3.08	3.81	5.48	4.31	....	3.88	4.00	3.68
6	3.95	3.90	3.66	3.64	3.09	3.75	6.15	4.22	....	3.81	3.97	3.68
7	3.93	3.87	3.63	3.59	3.10	3.71	5.66	4.15	....	3.71	3.93	3.68
8	3.91	3.85	3.62	3.53	3.20	3.68	5.28	4.78	....	3.70	3.91	3.72
9	3.90	3.85	3.58	3.50	3.33	3.64	5.01	4.78	....	3.67	4.00	3.78
10	3.89	3.82	3.56	3.50	3.36	3.59	4.82	4.63	....	3.68	4.07	3.78
11	3.88	3.80	3.55	3.47	3.38	5.27	4.66	4.45	....	4.17	4.07	3.79
12	3.87	3.79	3.53	3.45	3.40	5.90	4.54	4.29	....	6.22	4.07	3.82
13	3.86	3.78	3.53	3.41	3.40	6.06	4.45	4.19	....	6.12	4.05	3.85
14	3.85	3.78	3.52	3.38	3.36	5.68	4.42	4.46	....	5.78	4.03	3.92
15	3.83	3.80	3.51	3.37	3.74	6.03	4.30	4.47	....	5.50	3.98	3.95
16	3.83	3.81	3.50	3.36	4.07	5.85	4.21	4.45	....	5.24	3.94	3.95
17	3.83	3.95	3.48	3.34	4.75	6.12	4.76	4.29	....	5.10	3.90	3.89
18	3.84	4.02	3.46	3.33	4.83	6.37	4.76	4.85	....	5.65	3.88	3.82
19	3.88	4.03	3.45	3.29	5.48	6.23	4.50	4.85	....	5.25	3.86	3.78
20	3.88	4.04	3.45	3.27	5.33	5.90	4.40	4.65	....	4.91	3.85	3.74
21	3.86	4.04	3.45	3.25	4.97	5.83	4.28	4.45	....	4.77	3.81	3.72
22	3.90	4.01	3.44	3.23	4.72	5.55	4.21	4.27	3.88	4.67	3.84	3.70
23	3.93	3.97	3.43	3.21	4.52	5.25	4.16	4.12	3.87	4.57	3.78	3.69
24	4.00	3.91	3.42	3.20	4.36	5.04	4.09	4.18	4.25	4.50	3.75	3.68
25	4.04	3.87	3.47	3.18	4.24	4.90	4.02	4.21	4.33	4.41	3.73	3.65
26	4.04	3.83	3.50	3.18	4.10	6.33	3.90	4.15	4.29	4.36	3.72	3.63
27	4.15	3.79	3.54	3.15	3.98	6.42	3.91	4.02	4.25	4.35	3.71	3.61
28	4.18	3.71	3.60	3.14	3.90	6.38	3.91	3.95	4.18	4.30	3.70	4.81
29	4.24		3.68	3.12	3.81	6.21	4.90	4.04	4.05	4.26	3.67	4.83
30	4.24		3.70	3.08	3.78	5.88	4.90	....	3.95	4.22	3.66	4.72
31	4.18		3.70		3.90		4.80	....		4.18		4.60

S329. City of Fort Lauderdale. SW¼NE¼ sec. 12, T. 50 S., R. 41 E. Drilled test water-table well in limestone of Biscayne aquifer, diameter 4 inches, depth 68 feet. Land-surface datum is 9.22 feet above msl. Highest water level 10.76 above msl, Oct. 17, 1947; lowest 0.45 above msl, July 2, 1952. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.93	2.58	1.66	1.04	1.22	1.67	3.53	3.03	2.30	2.06	2.54	1.75
2	2.92	2.34	1.67	.96	1.27	1.68	3.58	3.04	2.40	2.12	2.52	1.66
3	2.93	1.88	1.67	1.45	1.12	1.67	3.58	3.01	2.42	2.12	2.46	1.80
4	2.87	2.16	1.19	1.50	1.10	1.63	3.56	2.97	2.43	2.07	2.40	1.82
5	2.83	2.21	1.57	.98	1.13	1.07	3.51	2.98	2.43	1.97	2.36	1.78
6	2.80	2.21	1.59	.90	.65	1.42	3.48	2.77	2.42	2.05	2.28	1.70
7	2.78	2.17	1.65	1.34	1.08	1.38	3.45	2.79	2.50	2.04	2.28	1.75
8	2.80	2.13	1.63	1.39	1.12	1.35	3.41	2.80	2.94	1.96	2.23	1.75
9	2.74	2.15	1.67	1.60	1.14	1.32	3.34	2.70	3.18	1.93	2.23	1.80
10	2.75	2.07	1.62	1.64	1.06	1.29	3.21	2.64	3.33	1.96	2.32	1.81
11	2.73	2.02	1.54	1.67	1.05	1.60	3.12	2.53	3.34	1.92	2.37	1.81
12	2.69	2.06	1.47	1.45	.97	2.07	3.06	2.47	3.33	2.80	2.27	1.78
13	2.67	2.12	1.46	1.56	.98	2.56	2.97	2.40	3.24	3.06	2.17	1.80
14	2.66	2.03	1.50	1.57	.96	2.43	2.98	2.45	3.07	3.15	2.18	1.82
15	2.62	1.98	1.46	1.47	1.02	2.92	2.90	2.47	3.03	3.20	2.14	1.80
16	2.53	1.85	1.37	1.45	1.04	3.00	2.81	2.48	2.85	3.15	2.12	....
17	2.49	1.91	1.38	1.45	1.17	3.03	2.72	2.32	2.70	3.09	2.07	....
18	2.48	1.98	1.32	1.45	1.23	3.77	2.69	2.28	2.77	3.00	2.03	....
19	2.44	1.97	1.37	1.37	1.41	4.06	2.63	2.23	2.67	3.05	2.01	....
20	2.50	1.95	1.31	1.31	1.50	4.20	2.68	2.25	2.64	3.08	1.96	....
21	2.49	1.95	1.36	1.35	1.58	4.19	2.78	2.24	2.60	3.12	1.99	....
22	2.48	1.84	1.32	1.31	1.64	4.19	2.80	2.18	2.42	3.08	1.93	....
23	2.43	1.40	1.35	1.32	1.66	4.15	2.82	2.12	2.32	3.08	1.90	....
24	2.43	1.35	1.38	1.24	1.57	3.91	2.85	2.15	2.25	3.05	1.86	....
25	2.47	1.32	1.46	1.31	1.57	3.90	2.80	2.24	2.32	2.89	1.86	....
26	2.55	1.74	1.42	1.25	1.48	3.92	2.66	2.26	2.28	2.85	1.85	....
27	2.56	1.48	1.49	1.26	1.46	3.87	2.60	2.23	2.23	2.70	1.93	1.86
28	2.52	1.62	1.55	1.13	1.41	3.73	2.52	2.12	2.25	2.67	1.97	2.15
29	2.58		1.56	1.19	1.39	3.63	2.59	2.17	2.16	2.64	1.87	2.44
30	2.63		1.62	1.25	1.54	3.52	2.78	2.22	2.08	2.62	1.78	2.54
31	2.65		1.48		1.57		2.98	2.12		2.58		2.57

Citrus County

13. A. C. Yonley. SW¼NW¼ sec. 30, T. 17 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diameter 3 inches, reported depth 113 feet. Land-surface datum is 38.4 feet above msl. Highest water level 0.4 above lsd, September 1945; lowest 8.3 below lsd, July 7, 1933. Records available: 1933, 1935-55. Previously shown as SE¼NE¼ sec. 25, R. 19 E.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	5.69	May 3	6.65	July 25	5.23	Oct. 24	5.77
Feb. 7	5.71	June 13	7.30	Sept. 17	5.32	Dec. 6	6.47
Mar. 22	6.13						

15. Charles Rush. NE¼NW¼ sec. 3, T. 17 S., R. 18 E. Drilled domestic artesian well in Floridan aquifer, diameter 3 inches, depth 78 feet. Land-surface datum is 44.2 feet above msl. Highest water level 7.84 below lsd, Oct. 16, 1950; lowest 17.9 below lsd, June 1945. Records available: 1933, 1935-55.

Jan. 3	14.37	May 3	16.36	July 25	15.98	Oct. 24	16.59
Feb. 7	14.62	June 13	17.29	Sept. 17	15.90	Dec. 6	17.02
Mar. 22	15.39						

Clay County

1. Girl Scouts of America. NE¼NE¼ sec. 29, T. 5 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 400 feet, cased to 72. Land-surface datum is 11.74 feet above msl. Highest water level 44.3 above lsd, Mar. 22, 1948; lowest 28.3 above lsd, Aug. 24, 1955. Records available: 1934, 1940, 1942, 1944-55.

Jan. 26	+32.8	Apr. 20	+32.0	July 13	+29.2	Oct. 5	+30.1
Mar. 5	+35.8	June 3	+33.0	Aug. 24	+28.3	Nov. 16	+31.4

2. Mrs. M. A. Chaulker. Middleburg. NW¼NW¼ sec. 13, T. 5 S., R. 24 E. Drilled domestic artesian well in Floridan aquifer, diameter 3 inches, reported depth 498 feet, cased to 300. Land-surface datum is 27.72 feet above msl. Highest water level 48.1 above lsd, Apr. 30, 1948; lowest 34.6 above lsd, Aug. 24, 1955. Records available: 1934, 1940-42, 1944-55.

Jan. 26	+38.9	Apr. 20	+36.0	July 13	+35.1	Oct. 5	+35.5
Mar. 5	+38.1	June 3	+36.7	Aug. 24	+34.6	Nov. 16	+35.5

4. T. J. Jennings. SW¼SW¼ sec. 32, T. 4 S., R. 25 E. Drilled stock well in Floridan aquifer, diameter 4 inches, reported depth 481 feet, cased to 80. Land-surface datum is 26.07 feet above msl. Highest water level 42.3 above lsd, July 15, 1947; lowest 27.1 above lsd, Aug. 24, 1955. Records available: 1940-42, 1944-55.

Jan. 26	+30.7	Apr. 20	+30.5	July 13	+28.4	Oct. 5	+29.1
Mar. 5	+31.3	June 3	+29.6	Aug. 24	+27.1	Nov. 16	+29.3

5. John Huntley. NE¼NE¼ sec. 32, T. 4 S., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, reported depth 530 feet, cased to 157. Land-surface datum is 24.02 feet above msl. Highest water level 36.9 above lsd, Apr. 26, 1944; lowest 23.2 above lsd, Aug. 24, 1955. Records available: 1940-41, 1944-55.

Jan. 26	+27.5	Apr. 20	+25.9	July 13	+23.9	Oct. 5	+24.5
Mar. 5	+26.8	June 3	+25.4	Aug. 24	+23.2	Nov. 16	+24.5

7. U. S. Navy. Auxiliary airbase. T. 6 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 650 feet, cased to 276. Land-surface datum is 12.14 feet above msl. Highest water level 27.2 above lsd, Oct. 10, 1940; lowest 11.8 above lsd, May 28, 1953. Records available: 1940-42, 1946-47, 1949-55. Jan. 26, +19.0; Apr. 20, +15.1; June 3, +12.6; July 13, +13.0; Aug. 24, +12.7; Oct. 5, +13.4; Nov. 16, +15.8.

8. St. Elmo Hotel. T. 6 S., R. 26 E. North of St. Elmo Hotel in Green Cove Springs. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, reported depth 600 feet, cased to about 150. Land-surface datum is 15.89 feet above msl. Highest water level 22.5 above lsd, July 15, 1947; lowest 14.8 above lsd, Nov. 16, 1955. Records available: 1934-35, 1940-42, 1944-55. Jan. 26, +18.5; Apr. 20, +17.6; June 3, +17.0; July 13, +15.8; Aug. 24, +15.3; Oct. 5, +16.5; Nov. 16, +14.8.

22. U. S. Navy. Auxiliary airbase. T. 6 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 650 feet, cased to 282. Highest water level 23.5 above lsd, Sept. 4, 1946; lowest 11.4 above lsd, June 3, 1955. Records available: 1946-55. Jan. 26, +18.4; Apr. 20, +15.2; June 3, +11.4; July 13, +12.6; Aug. 24, +12.4; Oct. 5, +14.2; Nov. 16, +15.5.

Collier County

130. U. S. Geol. Survey. North 4th Ave. and 2d St., Naples. NW¼NE¼ sec. 4, T. 50 S., R. 25 E. Drilled observation water-table well in limestone of Tamiami formation, diameter 6 inches, depth 71 feet, cased to 69. Land-surface datum is 5.39 feet above msl. Highest water level 4.95 above msl, Oct. 9, 1953, Sept. 1, 1954; lowest 0.57 above msl, May 17, 1955. Records available: 1952-55. Affected by tides in the Gulf of Mexico.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.36	2.42	1.97	1.85	1.90	2.52	....	....	4.30	3.69	3.07	2.66
2	2.35	2.35	1.92	2.17	2.30	2.47	....	....	4.35	3.70	3.00	2.73
3	2.25	2.28	1.88	2.26	2.39	2.30	....	4.53	4.13	3.76	3.02	2.66
4	2.18	2.32	1.89	2.25	2.30	2.28	....	4.61	....	3.78	2.96	2.68
5	2.25	2.40	1.81	2.13	2.27	2.31	....	4.49	....	3.67	2.93	2.68
6	2.26	2.56	2.02	2.07	2.23	2.23	....	4.22	....	3.65	2.90	2.68
7	2.27	2.57	2.02	2.06	2.17	2.16	....	4.10	....	3.55	2.90	2.70
8	2.30	2.42	1.93	1.97	2.15	2.16	....	4.01	....	3.52	2.82	2.73
9	2.35	2.42	1.71	1.90	2.13	2.12	....	3.96	....	3.46	3.20	2.73
10	2.43	2.30	1.85	1.92	2.02	2.05	....	3.88	....	3.37	3.34	2.61
11	2.22	2.38	1.83	1.95	1.96	2.35	....	3.82	....	3.33	3.33	2.62
12	2.38	2.27	1.81	1.92	1.96	2.67	....	3.80	4.48	3.30	3.22	3.00
13	2.35	2.07	1.79	1.93	1.93	2.70	....	3.71	4.48	3.45	3.15	3.03
14	2.22	2.14	1.86	1.88	1.92	2.65	....	3.82	4.18	3.42	3.07	3.02
15	2.27	2.08	1.80	1.80	1.95	2.58	....	3.82	4.12	3.40	2.87	2.98
16	2.31	2.07	1.79	1.76	1.92	....	....	3.70	4.03	3.38	2.94	2.94
17	2.28	2.07	1.75	1.75	1.92	....	....	3.58	3.97	3.40	2.97	2.83
18	2.18	2.07	1.75	1.70	2.07	....	....	3.73	4.08	3.35	2.86	2.80
19	2.37	2.12	1.73	1.63	2.12	....	....	3.83	3.95	3.25	2.86	2.80
20	2.37	2.19	1.85	1.64	2.08	....	....	3.90	4.38	3.03	2.88	2.64
21	2.24	2.20	1.85	1.68	2.05	....	....	3.73	4.37	3.07	2.80	2.60
22	2.30	2.14	1.81	1.73	1.97	....	....	3.63	4.14	2.98	2.74	2.60
23	2.57	2.16	1.75	1.72	2.40	....	....	3.72	4.33	2.89	2.72	2.53
24	2.85	2.12	1.82	1.79	2.73	....	....	4.04	4.48	3.00	2.67	2.48
25	2.92	2.08	1.82	1.80	2.67	....	....	4.19	4.45	2.93	2.63	2.56
26	2.70	2.04	1.80	2.23	2.58	....	....	4.21	4.17	2.90	2.58	2.57
27	2.70	2.04	1.72	2.14	2.53	....	....	4.23	4.00	2.87	2.64	2.53
28	2.78	2.07	1.80	2.10	2.70	....	....	4.39	3.87	2.82	2.87	2.58
29	2.70		2.07	2.05	2.77	....	....	4.40	3.79	3.25	2.93	2.54
30	2.60		1.95	1.99	2.70	....	....	4.17	3.76	3.25	2.70	2.62
31	2.52		1.91		2.62		....	4.00		3.20		2.67

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.00	2.00	1.14	1.08	1.17	1.96	....	....	3.70	3.33	2.40	2.08
2	1.96	1.78	1.35	1.25	1.35	1.75	....	....	3.98	3.35	2.38	1.97
3	1.75	1.73	1.28	2.07	2.07	1.92	....	4.27	3.88	3.52	2.15	1.93
4	1.81	1.96	1.31	1.82	1.95	1.68	....	4.26	3.78	3.47	2.22	2.30
5	1.67	1.65	1.02	1.54	1.90	1.47	....	4.12	....	3.37	2.23	2.06
6	1.69	1.92	1.34	1.25	1.64	1.32	....	3.95	....	3.23	2.40	2.33
7	1.80	1.55	1.02	1.37	1.70	1.33	....	3.84	....	2.93	2.01	2.34
8	1.85	2.15	.85	1.48	1.50	1.35	....	3.80	....	2.94	2.22	2.09
9	1.95	1.87	.89	1.67	1.17	1.09	....	3.69	....	3.12	2.60	2.51
10	1.50	1.53	1.08	1.60	1.24	1.55	....	3.54	....	2.77	3.18	2.28
11	1.49	1.97	1.07	1.62	1.05	1.85	....	3.44	....	2.72	3.01	2.40
12	1.65	1.98	1.00	1.43	1.27	2.17	....	3.43	3.97	3.04	2.80	2.42
13	1.78	1.97	1.14	1.38	1.12	2.54	....	3.23	4.07	3.25	2.89	2.84
14	1.82	1.71	1.15	1.27	1.33	2.27	....	2.85	3.97	3.09	2.40	2.62
15	1.72	1.68	1.14	1.15	1.38	1.82	....	3.47	3.88	2.98	2.43	2.55
16	2.02	1.38	.80	1.07	.90	....	....	3.05	3.80	2.93	2.29	2.43
17	1.58	1.55	.95	.95	.57	....	....	3.15	3.72	2.90	2.23	2.43
18	1.53	1.55	1.13	.75	1.77	....	....	3.36	3.75	2.64	2.28	2.33
19	1.98	1.50	1.03	.77	1.74	....	....	3.52	3.45	2.37	2.30	2.04
20	1.52	1.58	1.35	.73	1.34	....	....	3.58	3.72	2.32	2.34	1.85
21	1.75	1.57	1.07	.67	1.38	....	....	3.43	4.05	2.15	2.22	1.70
22	1.66	1.37	1.05	.68	1.40	....	....	2.99	3.83	2.28	2.20	1.99
23	1.80	1.23	.90	.98	1.60	....	....	3.00	3.74	2.52	1.78	1.92
24	2.10	1.52	1.25	1.12	2.40	....	....	3.62	4.04	1.95	2.17	2.14
25	2.51	1.23	.89	.80	2.42	....	....	4.00	4.16	2.09	1.95	2.25

130--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	2.29	1.66	1.05	1.40	2.30	....	....	3.67	3.93	2.04	2.10	2.15
27	2.33	1.37	1.52	1.73	2.08	....	....	4.00	3.75	2.09	2.19	1.84
28	2.41	1.38	1.27	1.53	2.18	....	....	3.73	3.51	2.26	2.59	1.92
29	2.43		1.76	1.62	2.63	....	....	4.09	3.41	2.62	2.40	2.00
30	2.43		1.70	1.02	2.42	....	....	3.94	3.35	3.00	2.02	1.76
31	1.96		1.33		2.25		....	3.71		2.63		1.97

131. U. S. Geol. Survey. SE¼NW¼ sec. 1, T. 47 S., R. 30 E. Drilled observation water-table well in limestone of Tamiami formation, diameter 6 inches, depth 54 feet, cased to 22. Land-surface datum is 26.60 feet above msl. Highest water level 26.72 above msl, Oct. 9, 1953; lowest 21.75 above msl, June 10, 1955. Records available: 1952-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.47	24.20	23.32	22.85	22.04	22.11	25.77	25.40	25.73	25.82	25.12	24.23
2	24.40	24.12	23.28	22.86	22.00	22.12	25.66	25.41	26.03	25.78	25.00	24.26
3	24.37	24.07	23.25	23.07	21.96	22.09	25.45	25.22	26.05	25.71	24.90	24.26
4	24.34	24.03	23.24	23.09	21.94	22.02	25.22	25.02	25.99	25.67	24.83	24.28
5	24.31	23.99	23.21	23.06	21.91	21.98	25.09	24.93	25.97	25.60	24.83	24.26
6	24.31	23.94	23.17	22.95	21.88	21.94	25.17	24.77	25.95	25.58	24.77	24.69
7	24.29	23.91	23.12	22.90	22.03	21.90	25.06	24.61	26.13	25.50	24.71	24.72
8	24.26	23.98	23.07	22.93	22.25	21.85	25.58	24.50	26.18	25.45	24.67	24.75
9	24.21	23.97	23.03	23.02	22.35	21.82	25.58	24.38	26.18	25.48	25.65	24.78
10	24.14	23.85	23.01	23.02	22.37	21.78	25.47	24.28	26.18	25.67	25.65	24.56
11	24.15	23.88	22.97	23.02	22.36	22.20	25.21	24.17	26.20	25.82	25.54	24.45
12	24.12	23.87	22.96	22.94	22.30	23.21	25.12	24.14	26.23	26.07	25.34	25.30
13	24.07	23.74	22.94	22.83	22.23	23.26	24.90	24.24	26.20	26.07	25.20	25.30
14	24.02	23.70	22.90	22.80	22.16	23.27	24.77	24.41	26.17	25.97	25.09	25.06
15	23.98	23.68	22.85	22.70	22.10	23.27	24.67	25.1.	26.17	25.85	25.00	24.98
16	23.97	23.67	22.82	22.67	22.02	24.43	24.64	25.19	26.11	25.72	24.95	24.82
17	24.01	23.69	22.80	22.62	21.98	25.00	24.55	24.87	26.02	25.72	24.[illegible]7	24.65
18	23.97	23.66	22.79	22.56	22.23	25.19	24.44	25.44	25.93	25.65	24.82	24.57
19	24.19	23.63	22.75	22.53	22.45	25.13	24.34	25.75	25.86	25.58	24.75	24.52
20	24.05	23.60	22.72	22.45	22.57	25.22	25.15	25.76	25.90	25.47	24.89	24.45
21	23.95	23.57	22.67	22.40	22.60	25.46	25.27	25.73	26.22	25.41	24.60	24.40
22	23.95	23.52	22.65	22.37	22.63	25.44	25.22	25.54	26.23	25.35	24.58	24.35
23	23.90	23.49	22.63	22.35	22.63	25.23	24.95	25.33	26.20	25.28	24.55	24.33
24	24.60	23.46	22.59	22.31	22.62	25.16	24.85	25.90	26.23	25.24	24.48	24.25
25	24.60	23.44	22.57	22.27	22.59	25.14	25.43	25.94	26.23	25.18	24.44	24.22
26	24.36	23.42	22.56	22.24	22.52	25.10	25.43	25.97	26.16	25.13	24.43	24.18
27	24.64	23.39	22.54	22.20	22.45	25.10	25.25	25.85	26.06	25.08	24.41	24.18
28	24.64	23.37	22.74	22.16	22.37	24.95	25.23	25.84	25.97	25.00	24.68	25.00
29	24.47		22.94	22.11	22.28	24.97	25.10	25.84	25.90	24.98	24.61	25.05
30	24.40		22.94	22.07	22.22	25.77	24.90	25.75	25.83	25.48	24.30	24.77
31	24.26		22.92		22.13		24.98	25.73		25.36		24.62

Columbia County

9. Lake City. Sec. 5, T. 4 S., R. 17 E. Drilled unused artesian well in Floridan aquifer, diameter 12 inches, reported depth 836 feet. Highest water level 79.58 below lsd, June 5, 1948; lowest 96.08 below lsd, Dec. 28, 1955. Records available: 1942, 1948-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	93.25	93.55	93.57	93.86	94.12	94.45	94.73	.....	95.15	.....	.....	95.83
2	93.29	93.45	93.60	93.71	94.15	94.45	94.77	.....	95.11	.....	.....	95.74
3	93.36	93.55	93.63	93.66	94.20	94.45	94.80	.....	95.10	.....	.....	95.70
4	93.30	93.71	93.63	93.80	94.19	94.44	94.80	.....	95.15	95.42	.....	95.67
5	93.23	93.62	93.67	93.90	94.12	94.42	94.79	.....	95.18	.....	.....	95.62
6	93.20	93.42	93.60	93.87	94.10	94.40	94.75	.....	95.15	.....	.....	95.57
7	93.27	93.35	93.63	93.79	94.14	94.38	94.75	.....	95.06	.....	.....	95.53
8	93.31	93.45	93.78	93.91	94.16	94.33	94.77	.....	95.10	.....	.....	95.53
9	93.27	93.55	93.76	94.03	94.23	94.35	94.77	.....	95.17	.....	.....	95.70
10	93.22	93.49	93.71	93.98	94.30	94.40	94.73	.....	95.15	.....	.....	95.84
11	93.27	93.42	93.66	93.90	94.28	94.40	94.73	.....	95.15	.....	.....	95.83
12	93.35	93.77	93.63	93.89	94.27	94.45	94.76	.....	95.15	.....	.....	95.82
13	93.35	93.86	93.66	93.88	94.25	94.55	94.85	.....	95.23	.....	.....	95.85
14	93.45	93.70	93.68	93.88	94.24	94.58	94.85	.....	95.27	.....	.....	95.84
15	93.36	93.58	93.70	93.91	94.25	94.57	94.80	.....	95.20	.....	95.50	95.75

9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	93.24	93.55	93.68	93.91	94.25	94.55	94.80	.....	95.20	.....	95.48	95.85
17	93.32	93.50	93.72	93.95	94.19	94.53	94.80	.....	95.22	.....	95.58	95.85
18	93.24	93.52	93.69	94.02	94.23	94.52	94.82	.....	95.20	.....	95.63	95.84
19	93.28	93.53	93.70	94.01	94.28	94.56	94.84	.....	95.15	.....	95.54	95.87
20	93.53	93.57	93.75	94.00	94.27	94.62	94.85	.....	95.15	.....	95.70	95.88
21	93.48	93.58	93.67	93.97	94.30	94.63	94.85	.....	95.23	.....	.....	95.81
22	93.37	93.56	93.65	93.93	94.36	94.63	94.85	.....	95.29	.....	.....	95.75
23	93.35	93.58	93.81	93.89	94.39	94.67	94.86	95.03	.....	.....	95.65	95.78
24	93.38	93.65	93.78	93.88	94.36	94.71	94.85	95.02	.....	.....	95.69	95.83
25	93.56	93.73	93.66	93.85	94.35	94.68	94.86	95.07	.....	.....	95.61	95.79
26	93.63	93.73	93.65	93.88	94.35	94.65	94.90	95.12	.....	.....	95.63	95.78
27	93.48	93.68	93.92	93.90	94.41	94.66	.....	95.10	.....	.....	95.55	95.85
28	93.43	93.62	93.87	93.98	94.43	94.72	.....	95.10	.....	.....	95.55	95.99
29	93.49		93.82	94.05	94.38	94.75	.....	95.10	.....	.....	95.80	96.03
30	93.58		93.91	94.10	94.35	94.73	.....	95.11	.....	.....	95.88	95.90
31	93.64		93.89		94.40		.....	95.13		.....		95.92

Dade County

F179. City of Miami. Southwest 24th Ter. and 32d Ave. SE¼NW¼ sec. 16, T. 54 S., R. 41 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 77 feet. Land-surface datum is 8.77 feet above msl. Highest water level 7.21 above msl, Oct. 14, 1947; lowest 0.69 above msl, Mar. 18, 1955. Records available: 1939-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.02	1.16	0.98	0.80	1.32	1.38	1.92	2.07	1.87	1.93	1.95	1.27
2	1.00	1.10	.95	.83	1.35	1.38	1.92	2.13	1.89	1.93	1.89	1.27
3	.97	1.05	e.92	.86	1.41	1.39	1.88	2.14	1.90	1.93	1.83	1.28
4	.95	1.04	.90	.86	1.44	1.40	1.85	2.13	1.89	1.92	1.78	1.27
5	.95	1.12	.89	.86	1.44	1.41	1.87	2.11	1.86	1.90	1.73	1.22
6	.97	1.17	.86	.86	1.45	1.42	2.01	2.07	1.84	1.90	1.68	1.20
7	.99	1.18	.83	.85	1.45	1.43	1.99	2.06	2.03	1.90	1.70	1.24
8	1.04	1.17	.83	.84	1.43	1.45	1.93	2.05	2.28	1.87	1.70	1.32
9	1.08	1.16	.82	1.05	1.37	1.47	1.86	2.05	2.48	1.83	1.77	1.32
10	1.14	1.12	.82	1.07	1.34	1.47	1.80	2.02	e2.53	1.85	1.78	1.30
11	1.19	1.10	.82	1.07	1.29	2.10	1.75	1.96	2.49	2.08	1.78	1.25
12	1.21	1.08	.82	1.06	1.23	3.04	1.72	1.93	2.41	e2.80	1.73	1.27
13	1.22	.99	.80	1.06	1.20	3.41	1.67	1.90	2.36	....	1.68	1.35
14	1.21	.93	.78	1.05	1.20	3.41	1.64	1.86	2.31	2.83	1.62	1.39
15	1.18	.93	.76	.99	1.18	3.15	1.60	1.87	2.31	2.82	1.59	1.41
16	1.19	.93	.75	1.20	1.23	2.92	1.57	1.90	2.30	2.74	1.57	1.42
17	1.20	.95	.72	1.22	1.37	2.75	1.68	1.93	2.30	2.66	1.53	1.40
18	1.20	.95	.70	1.23	1.43	2.66	1.68	1.97	2.30	2.58	1.48	1.38
19	1.20	.98	.70	1.25	1.56	2.79	1.69	1.97	2.27	2.48	1.43	1.36
20	1.15	.99	.71	1.30	1.59	2.79	1.75	1.93	2.24	2.39	1.40	1.32
21	1.07	1.00	.74	1.33	1.59	2.73	1.93	1.88	2.18	2.29	1.36	1.30
22	1.10	1.02	.75	1.33	1.58	2.63	1.93	1.83	2.12	2.22	1.34	1.28
23	1.13	1.04	.74	1.36	1.56	2.54	1.91	1.81	2.05	2.20	1.33	1.23
24	1.19	1.05	.75	1.39	1.53	2.45	1.94	1.90	2.02	2.19	1.32	1.20
25	1.20	1.05	.78	1.38	1.49	2.33	1.93	1.90	2.01	2.17	1.30	1.17
26	1.18	1.05	.79	1.36	1.44	2.21	1.88	1.83	1.97	2.13	1.29	1.16
27	1.17	1.04	.77	1.31	1.38	2.11	1.84	1.77	1.93	2.10	1.31	1.20
28	1.22	1.01	.76	1.28	1.34	2.00	2.00	1.74	1.91	2.07	1.35	1.35
29	1.25		.77	1.35	1.32	1.93	2.03	1.71	1.88	2.05	1.34	1.43
30	1.25		.75	1.35	1.31	1.89	2.04	1.68	1.91	2.04	1.29	1.44
31	1.23		.75		1.35		2.09	1.81		2.01		1.45

e Estimated.

F210. City of Miami. Northwest 62d St. and Miami Ct. Miami. SW¼NE¼ sec. 13, T. 53 S., R. 41 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 112 feet. Land-surface datum is 8.77 feet above msl. Highest water level 7.92 above msl, Oct. 12, 1947; lowest 0.24 above msl, Mar. 10-11, 1945. Records available: 1940-55.

F210--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.82	0.85	0.78	0.51	0.72	1.14	2.02	1.67	1.63	e1.84	e1.88	e1.21
2	.80	.83	.76	.52	.76	1.15	1.97	1.66	1.70	e1.82	e1.83	e1.19
3	.78	.80	.74	.56	.80	1.14	1.93	1.66	1.74	e1.80	e1.78	e1.17
4	.76	.78	.68	.58	.82	1.13	1.87	1.67	1.78	e1.78	e1.75	e1.15
5	.73	.82	.66	.56	.83	1.13	1.83	1.66	1.79	e1.75	e1.72	e1.14
6	.73	.85	.63	.50	.83	1.13	1.90	1.63	1.76	e1.73	e1.69	e1.15
7	.73	.85	.62	.51	.83	1.13	1.90	1.62	1.78	e1.72	e1.66	e1.22
8	.75	.85	.62	.50	.84	1.15	1.89	1.61	2.35	e1.70	e1.64	e1.28
9	.78	.85	.61	.51	.84	1.17	1.80	1.63	2.66	e1.70	e1.68	e1.30
10	.83	.85	.60	.52	.81	1.19	1.75	1.61	2.78	e1.70	e1.74	e1.28
11	.86	.85	.60	.52	.78	1.80	1.73	1.59	2.78	e2.14	e1.74	1.25
12	.88	.83	.60	.51	.75	2.44	1.69	1.57	2.75	e2.95	e1.70	1.22
13	.90	.76	.58	.53	.74	2.57	1.65	1.56	2.66	e3.08	e1.68	1.27
14	.90	.73	.57	.53	.74	2.57	1.61	1.57	2.56	e3.08	e1.65	1.35
15	.90	.72	.56	.49	.73	2.53	1.58	1.60	2.52	e3.01	e1.62	1.36
16	.92	.71	.55	.49	.78	2.45	1.54	1.60	2.45	e2.93	e1.59	1.36
17	.93	.72	.54	.51	1.10	2.38	1.50	1.61	2.38	e2.86	e1.57	1.36
18	.94	.74	.53	.54	1.22	2.43	1.48	1.63	2.33	e2.79	e1.54	1.35
19	.95	.77	.52	.57	1.28	2.60	1.45	1.67	2.28	e2.72	e1.51	1.33
20	e.88	.77	.52	.60	1.33	2.63	1.45	1.70	2.23	e2.65	e1.48	1.30
21	e.90	.77	.52	.63	1.35	2.62	1.47	1.70	2.18	e2.59	e1.45	1.28
22	e.91	.77	.52	.65	1.35	2.58	1.48	1.68	2.12	e2.52	e1.42	1.27
23	e.92	.79	.51	.68	1.35	2.60	1.51	1.66	2.08	e2.45	e1.40	1.24
24	e.93	.80	.51	.70	1.32	2.57	1.52	1.69	2.03	e2.42	e1.37	1.20
25	e.92	.80	.53	.72	1.29	2.49	1.52	1.75	2.02	2.31	e1.34	1.18
26	e.91	.81	.53	.72	1.25	2.40	1.50	1.75	2.00	e2.19	e1.31	1.15
27	.90	.80	.53	.70	1.21	2.32	1.46	1.69	1.96	e2.15	e1.28	1.15
28	.96	...	.51	.70	1.17	2.22	1.41	1.66	1.93	e2.10	e1.25	1.23
29	.96		.52	.69	1.15	2.16	1.52	1.62	e1.89	e2.05	1.27	1.27
30	.93		.51	.69	1.13	2.07	1.64	1.58	e1.87	e2.00	1.24	1.28
31	.88		.50		1.13		1.65	1.58		e1.94		....

e Estimated.

F319. U. S. Geol. Survey. North First Ave. and Sunset Dr. South Miami. $SE\frac{1}{4}SE\frac{1}{4}$ sec. 25, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 17 feet, cased to 13. Land-surface datum is 11.12 feet above msl. Highest water level 8.86 above msl, Oct. 11, 1947; lowest 0.47 above msl, May 19, 1945. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.45	1.49	1.74	1.22	1.27	1.59	2.48	1.96	2.16	2.35	2.48	....
2	1.44	1.45	1.72	1.22	1.29	1.59	2.48	2.00	2.20	2.34	2.42	....
3	1.41	1.48	1.69	1.23	1.33	1.60	2.45	2.01	2.23	2.30	2.37	....
4	1.39	1.54	1.66	1.23	1.35	1.61	2.43	2.06	2.24	2.27	2.32	....
5	1.37	1.61	1.64	1.23	1.37	1.60	2.40	2.06	2.24	2.24	2.29	....
6	1.36	1.66	1.60	1.21	1.37	1.60	2.45	2.08	2.34	2.22	2.30	....
7	1.37	1.70	1.57	1.20	1.37	1.60	2.43	2.08	2.42	2.20	2.33	....
8	1.38	1.76	1.54	1.23	1.35	1.60	2.36	2.14	2.62	2.18	2.35	....
9	1.41	1.77	1.53	1.30	1.33	1.62	2.30	2.15	2.90	2.19	2.43	....
10	1.45	1.79	1.51	1.33	1.29	1.63	2.23	2.17	3.04	2.15	2.44	....
11	1.48	1.81	1.49	1.34	1.26	2.15	2.16	2.17	3.04	2.50	2.44	....
12	1.50	1.81	1.48	1.33	1.22	3.08	2.10	2.16	3.01	....	2.43	....
13	1.52	1.78	1.46	1.33	1.21	3.48	2.06	2.16	2.93	....	2.42	....
14	1.52	1.75	1.44	1.33	1.20	3.50	2.03	2.32	2.91	....	2.40	2.20
15	1.41	1.75	1.41	1.30	1.18	3.45	2.01	2.33	2.91	....	2.38	2.21
16	1.52	1.76	1.39	1.28	1.20	3.31	2.00	2.35	2.90	....	2.37	2.21
17	1.52	1.77	1.36	1.27	1.30	3.20	1.98	2.36	2.88	....	2.35	2.19
18	1.53	1.77	1.33	1.28	1.34	3.30	1.98	2.37	2.84	....	2.30	2.18
19	1.53	1.77	1.31	1.30	1.53	3.54	2.01	2.41	2.84	....	2.25	2.15
20	1.51	1.77	1.29	1.32	1.61	3.58	2.03	2.41	2.81	....	2.20	2.12
21	1.46	1.78	1.29	1.33	1.64	3.50	2.14	2.41	2.76	....	2.16	2.10
22	1.44	1.78	1.29	1.34	1.66	3.37	2.15	2.40	2.70	....	2.13	2.07
23	1.45	1.79	1.28	1.36	1.66	3.20	2.31	2.36	2.66	....	2.10	2.04
24	1.49	1.79	1.26	1.38	1.66	3.07	2.30	2.32	2.59	....	2.09	2.02
25	1.50	1.79	1.27	1.38	1.65	2.93	2.29	2.31	2.56	....	2.08	1.99

F319--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	1.49	1.78	1.27	1.37	1.63	2.79	2.24	e2.29	2.52	e2.78	2.07	1.97
27	1.51	1.78	1.25	1.34	1.60	2.66	2.18	e2.25	2.49	2.74	....	1.93
28	1.50	1.77	1.25	1.32	1.57	2.54	2.10	e2.22	2.45	2.69	....	2.04
29	1.53		1.25	1.31	1.54	2.49	2.03	e2.17	2.41	2.64	....	2.06
30	1.53		1.23	1.29	1.53	2.48	1.97	2.12	2.36	2.60	....	2.06
31	1.53		1.22		1.59		1.98	2.07		2.54		2.06

e Estimated.

F358. Town of Homestead. Northwest 6th St. and 2d Ave. Homestead. NE¼NE¼ sec. 13, T. 57 S., R. 38 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 54 feet. Land-surface datum is 7.76 feet above msl. Highest water level 8.19 above msl, Oct. 5, 1948; lowest 0.85 below msl, May 24, 1945. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.24	2.00	1.61	0.98	0.76	1.34	3.89	3.18	3.94	....	3.17	2.16
2	2.23	1.98	1.59	.94	.78	1.37	3.84	3.15	3.84	....	3.09	2.13
3	2.21	1.95	1.57	.90	.84	1.37	3.77	3.12	3.70	....	3.00	2.15
4	2.19	1.92	1.55	.89	.90	1.34	3.72	3.13	3.56	....	2.94	2.15
5	2.17	1.90	1.52	.85	.92	1.29	3.81	3.11	3.47	....	2.86	2.13
6	2.14	1.89	1.49	.81	.91	1.24	4.08	3.09	3.62	....	2.79	2.11
7	2.12	1.86	1.46	.78	.90	1.18	4.08	3.11	3.85	....	2.75	2.10
8	2.10	1.84	1.43	.74	.88	1.14	4.05	3.40	4.47	....	2.73	2.19
9	2.08	1.84	1.40	1.07	.86	1.09	3.95	3.41	4.60	....	2.70	2.21
10	2.06	1.83	1.37	1.15	.84	1.03	3.85	3.38	4.52	....	2.71	2.21
11	2.04	1.81	1.34	1.16	.80	1.58	3.83	3.31	4.36	....	2.70	2.19
12	2.03	1.78	1.31	1.17	.76	2.52	3.81	3.22	4.21	....	2.68	2.12
13	2.01	1.75	1.28	1.17	.72	2.84	3.72	3.24	4.08	....	2.66	2.09
14	2.00	1.72	1.25	1.14	.67	2.99	3.65	3.73	3.98	e5.07	2.64	2.05
15	1.98	1.70	1.22	1.12	.84	3.10	3.58	4.55	3.88	4.95	2.61	2.02
16	1.98	1.67	1.20	1.11	.97	3.28	3.50	4.32	3.78	4.81	2.57	1.99
17	1.98	1.71	1.17	1.14	1.17	3.52	3.74	4.14	3.70	4.67	2.53	1.95
18	1.99	1.74	1.14	1.15	1.27	3.66	3.69	4.69	3.70	4.52	2.50	1.93
19	2.00	1.75	1.10	1.15	1.57	3.70	3.69	4.48	3.85	4.41	2.46	1.91
20	1.98	1.74	1.07	1.13	1.66	3.69	3.63	4.31	3.93	4.29	2.42	1.88
21	1.96	1.71	1.04	1.11	1.68	3.90	3.70	4.15	3.96	4.17	2.40	1.86
22	1.96	1.67	1.01	1.09	1.68	4.55	3.69	4.01	3.95	4.06	2.38	1.87
23	1.96	1.66	.98	1.07	1.66	4.54	3.61	3.89	3.89	3.96	2.34	1.87
24	1.94	1.65	.94	1.04	1.60	4.35	3.54	3.77	3.88	....	2.31	1.85
25	1.94	1.64	.92	1.00	1.54	4.17	3.46	3.58	3.87	....	2.28	1.80
26	1.93	1.64	.89	.96	1.46	4.04	3.41	3.59	3.81	3.69	2.26	1.76
27	1.91	1.63	.85	.94	1.41	3.98	3.35	3.55	3.73	3.59	2.25	1.73
28	1.91	1.62	.94	.90	1.34	3.98	3.30	3.45	3.69	3.49	2.24	1.83
29	1.98		1.00	.85	1.28	4.04	3.29	3.38	....	3.40	2.24	1.96
30	2.01		1.00	.80	1.20	3.99	3.27	3.63	....	3.31	2.20	1.97
31	2.01		.99		1.26		3.23	3.69		3.25		1.96

e Estimated.

G3. U. S. Geol. Survey. NE¼SW¼ sec. 13, T. 53 S., R. 40 E. Dug and driven water-table well in oolitic limestone of Biscayne aquifer, diameter 6 inches, depth 9 feet, cased to 8. Land-surface datum is 4.88 feet above msl. Highest water level 7.64 above msl, Oct. 12, 1947; lowest 1.12 below msl, Apr. 9, 1955. Records available: 1940-55. Affected by pumping of nearby wells.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.00	....	....	-1.03	-0.02	+0.35	+0.82	+0.89	+0.50	+0.78	+0.70	+0.12
2	+.17	....	....	....	+.30	.29	.61	.91	.55	.78	.62	....
3	+.09	....	....	....	.35	.27	.60	e.85	.56	.86	.56	....
4	.00	-0.32	....	....	.31	.27	.86	.68	.55	.69	.45	....
5	-.06	.17	-0.65	....	.27	.36	.83	.47	.69	.47	.43	....
6	.07	.08	.66	....	.23	.36	1.40	.29	.62	.43	.66	....
7	.13	.17	.49	....	.22	.28	1.32	.28	.71	.40	.62	....
8	.12	.21	.61	1.11	.20	.28	1.02	.51	.79	.32	.49	....
9	.02	.15	.38	1.12	.21	.34	.79	.36	1.05	.28	.59	....
10	.07	.13	....	.83	.15	.34	.79	.35	1.28	.37	.72	.33

G3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	0.10	0.21	....	0.58	0.10	0.33	0.77	0.30	1.31	0.48	0.74	0.17
12	.11	.11	.70	.84	.08	1.23	.48	.28	1.18	1.18	.65	.14
13	.10	.12	.75	.90	.05	1.31	.43	.30	1.11	2.04	.63	.16
14	.07	.17	.79	.90	+.01	1.06	.39	.30	1.17	1.80	.54	.30
15	....	.14	.85	.89	-.02	.84	.32	.78	1.33	1.72	.54	.32
16	....	-.03	.94	.93	+.14	.67	.32	.75	1.35	1.74	.53	.43
17	....	....	....	.84	.28	.55	.22	.72	1.35	1.65	.55	.44
18	....	....	....	.81	.48	.46	.10	.67	1.41	1.57	.40	.56
19	....	+.10	1.04	.67	.56	.55	.01	.67	.97	1.69	.26	.58
20	....	+.07	1.03	.68	.75	.70	-.03	.66	.96	1.49	.08	.45
21	.18	-.03	1.06	.76	.74	.69	+.34	.42	1.03	1.15	e.08	.54
22	.27	.07	1.07	.77	.59	.81	.35	.29	.82	1.18	e+.08	.45
23	.31	.27	1.08	.76	.60	1.06	.32	.18	.88	1.20	....	.20
24	.20	.42	1.08	.77	.63	.90	.61	.17	.88	1.06	....	.20
25	.28	.42	.98	.76	.64	.80	.50	.39	1.15	.87	-.06	.33
26	.29	....	1.00	.77	.63	.76	.35	.42	1.06	....	.12	.44
27	.18	....	.95	.65	.61	.66	.37	.41	1.08	....	-.12	.20
28	-.08	....	.79	.52	.60	.53	.27	.33	1.00	.78	+.05	.08
29	+.03		.88	e.32	.60	.63	....	.16	.72	.75	.07	.23
30	....		.92	-.07	.54	.66	....	.14	.73	.78	....	.24
31	....		.96		.47		.87	.22		.84		.27

e Estimated.

G10. U. S. Geol. Survey. $NW\frac{1}{4}SW\frac{1}{4}$ sec. 4, T. 54 S., R. 40 E. Dug and driven observation water-table well in oolitic limestone of Biscayne aquifer, diameter 8 inches, depth 6 feet, cased to 6. Land-surface datum is 5.64 feet above msl. Highest water level 8.92 above msl, Oct. 13, 1947; lowest 0.53 above msl, June 20-21, 1945. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.17	3.02	2.49	1.79	2.36	2.59	3.58	3.80	....	3.23	....	3.16
2	3.14	2.95	2.47	1.76	2.37	2.60	3.43	3.54	....	3.20	....	3.18
3	3.12	2.92	2.44	1.78	2.38	2.60	3.27	3.54	....	3.16	....	3.18
4	3.09	2.90	2.42	1.78	2.39	2.56	3.18	3.49	....	3.15	....	3.18
5	3.07	2.90	2.40	1.76	2.39	2.52	3.44	3.38	....	3.15	....	3.16
6	3.09	2.91	2.37	1.73	2.38	2.47	4.27	3.28	....	3.12	....	3.16
7	3.09	2.91	2.34	1.71	2.35	2.43	4.00	3.24	....	3.07	....	3.16
8	3.11	2.95	2.33	1.77	2.33	2.39	3.70	3.98	....	3.03	....	3.44
9	3.13	2.95	2.31	2.42	2.30	2.38	3.50	3.80	....	3.03	....	3.44
10	3.15	2.93	2.29	2.37	2.27	2.35	3.34	3.63	....	3.50	....	3.31
11	3.16	2.90	2.27	2.23	2.24	4.34	3.19	3.49	....	....	....	3.25
12	3.15	2.85	2.25	2.14	2.20	4.84	3.15	3.49	....	....	....	3.27
13	3.14	2.78	2.22	2.05	2.17	4.62	3.07	3.46	....	....	....	3.34
14	3.10	2.73	2.19	2.01	2.13	4.25	3.01	3.96	....	....	....	3.35
15	3.07	2.70	2.15	1.91	2.11	3.86	2.93	3.90	....	....	....	3.32
16	3.06	2.66	2.12	2.71	2.22	3.75	2.83	3.69	....	....	....	3.28
17	3.06	2.70	2.09	2.71	2.42	3.77	2.81	3.52	....	....	....	3.23
18	3.04	2.70	2.04	2.60	2.62	3.73	2.82	e3.95	....	....	....	3.22
19	3.04	2.68	2.01	2.45	2.86	4.32	2.81	....	....	....	....	3.22
20	3.02	2.65	1.99	2.32	3.01	4.87	3.21	....	....	....	....	3.20
21	2.98	2.63	1.96	2.22	2.98	3.63	....	....	....	....	....	3.20
22	2.96	2.60	1.94	2.24	2.86	3.93	3.51	....	3.48	....	....	3.16
23	2.96	2.59	1.93	2.28	2.74	3.92	3.44	....	3.50	....	....	3.14
24	2.97	2.59	1.95	2.30	2.65	3.67	3.52	....	3.82	....	....	3.12
25	3.10	2.58	1.95	2.32	2.63	3.49	3.33	....	3.82	....	....	3.12
26	3.07	2.57	1.94	2.32	2.60	3.38	3.17	....	3.63	3.56	....	3.10
27	3.05	2.55	1.91	2.32	2.54	3.27	3.15	....	3.58	....	....	....
28	3.08	2.52	1.87	2.32	2.49	3.72	4.42	....	3.44	....	3.22	3.66
29	3.15		1.86	2.34	2.43	3.84	4.08	....	3.34	....	3.22	3.59
30	3.15		1.84	2.35	2.38	3.73	4.71	....	3.26	....	3.16	3.47
31	3.10		1.81		2.54		4.28	....		....		3.36

e Estimated.

G39. U. S. Geol. Survey. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 22, T. 54 S., R. 40 E. Dug observation water-table well in oolitic limestone of Biscayne aquifer, diameter 6 inches, depth 6 feet, cased to 6. Land-surface datum is 8.08 feet above msl. Highest water level 8.99 above msl, Sept. 21, 1940; lowest 1.73 above msl, Apr. 12, 1945. Records available: 1940-43, 1945, 1947, 1949-55.

G39--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.53	3.23	3.03	2.41	2.31	2.58	4.78	4.28	4.28	4.49	4.60	3.72
2	3.52	3.23	3.02	2.39	2.31	2.57	4.71	5.10	4.26	4.43	4.54	3.71
3	3.51	3.24	3.00	2.37	2.30	2.54	4.63	5.08	4.24	4.37	4.47	3.70
4	3.50	3.24	2.99	2.37	2.30	2.52	4.53	5.00	4.22	4.32	4.41	3.70
5	3.49	3.24	2.98	2.35	2.30	2.51	4.55	4.88	4.20	4.27	4.35	3.67
6	3.47	3.23	2.96	2.33	2.30	2.50	4.50	4.83	4.16	4.23	4.30	3.67
7	3.46	3.23	2.95	2.31	2.30	2.49	4.51	4.75	4.16	4.17	4.24	3.66
8	3.44	3.23	2.94	2.30	2.29	2.48	4.51	5.10	4.36	4.12	4.18	3.66
9	3.43	3.23	2.91	2.36	2.28	2.47	4.49	5.09	4.51	4.08	4.24	3.67
10	3.42	3.22	2.88	2.36	2.27	2.46	4.45	5.04	4.61	4.06	4.25	3.66
11	3.42	3.22	2.87	2.36	2.26	2.83	4.38	4.95	4.65	4.30	4.25	3.65
12	3.41	3.20	2.84	2.36	2.25	3.62	4.31	4.84	4.65	....	4.23	3.66
13	3.39	3.19	2.82	2.35	2.23	3.85	4.25	4.77	4.68	....	4.20	3.67
14	3.37	3.18	2.80	2.35	2.23	3.96	4.19	4.75	4.68	....	4.18	3.72
15	3.36	3.17	2.78	2.34	2.23	4.03	4.12	4.73	4.67	....	4.15	3.73
16	3.35	3.16	2.75	2.35	2.23	4.17	4.05	4.65	4.64	....	4.11	3.73
17	3.34	3.15	2.73	2.35	2.23	4.30	3.99	4.59	4.65	....	4.08	3.73
18	3.32	3.14	2.69	2.34	2.23	4.43	3.94	4.60	4.64	....	4.05	3.73
19	3.31	3.13	2.67	2.34	2.51	4.73	3.88	4.62	4.62	....	4.01	3.73
20	3.29	3.13	2.65	2.33	2.57	4.75	3.82	4.63	4.61	....	3.98	3.71
21	3.27	3.12	2.63	2.33	2.61	4.91	3.83	4.63	4.59	....	3.94	3.71
22	3.27	3.11	2.60	2.33	2.65	4.93	3.83	4.59	4.57	....	3.91	3.69
23	3.25	3.10	2.57	2.32	2.67	4.93	3.84	4.54	4.56	....	3.89	3.69
24	3.24	3.09	2.54	2.32	2.68	4.89	3.88	4.48	4.69	....	3.87	3.66
25	3.24	3.08	2.53	2.32	2.68	4.82	3.92	4.47	4.71	....	3.84	3.65
26	3.22	3.07	2.51	2.32	2.68	4.79	3.93	....	4.71	5.04	3.81	3.63
27	3.23	3.05	2.49	2.32	2.67	4.71	3.93	....	4.69	4.97	3.78	3.62
28	3.22	3.05	2.47	2.32	2.64	4.61	4.12	....	4.65	4.90	3.77	3.67
29	3.22		2.45	2.32	2.63	4.89	4.15	....	4.60	4.82	3.77	3.67
30	3.22		2.43	2.31	2.62	4.85	4.21	4.30	4.54	4.76	3.75	3.67
31	3.23		2.42		2.60		4.25	4.25		4.68		3.67

G72. U. S. Geol. Survey. NW¼NE¼ sec. 3, T. 52 S., R. 39 E. Dug observation water-table well in oolitic limestone of Biscayne aquifer, diameter 8 inches, depth 5 feet, cased to 4. Land-surface datum is 5.75 feet above msl. Highest water level 9.38 above msl, Oct. 11, 1947; lowest 1.14 above msl, June 5, 1945. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.56	6.38	6.14	5.50	3.76	4.24	5.98	6.32	6.39	6.33	6.28	5.88
2	6.55	6.37	6.13	5.47	3.72	4.26	5.99	6.29	6.33	6.32	6.26	5.88
3	6.55	6.37	6.11	5.45	3.68	4.19	6.01	6.26	6.31	6.30	6.25	5.87
4	6.54	6.36	6.10	5.44	3.67	4.10	6.01	6.25	6.29	6.29	6.25	5.86
5	6.54	6.36	6.08	5.42	3.67	4.03	6.07	6.23	6.29	6.29	6.24	5.85
6	6.53	6.35	6.06	5.39	3.61	3.96	6.16	6.23	6.32	6.28	6.24	5.84
7	6.53	6.34	6.03	5.36	3.59	3.92	6.16	6.23	6.40	6.29	6.24	5.84
8	6.52	6.35	6.00	5.31	3.93	3.87	6.16	6.24	6.40	6.28	6.23	5.88
9	6.52	6.35	5.96	5.27	3.90	3.81	6.16	6.24	6.39	6.28	6.22	5.91
10	6.51	6.34	5.93	5.22	3.78	3.75	6.16	6.23	6.39	6.27	6.21	5.93
11	6.49	6.34	5.91	5.18	3.68	5.26	6.15	6.23	6.38	6.34	6.20	5.94
12	6.48	6.32	5.89	5.13	3.57	5.47	6.14	6.22	6.37	6.71	6.20	5.95
13	e6.47	6.30	5.87	5.09	3.47	5.57	6.16	6.22	6.36	6.67	6.18	5.92
14	e6.46	6.28	5.85	5.04	3.40	5.58	6.16	6.22	6.35	6.60	6.20	5.87
15	e6.45	6.28	5.83	4.96	3.84	5.60	6.15	6.22	6.34	6.54	6.20	5.85
16	e6.44	6.25	5.81	5.12	4.02	5.62	6.15	6.25	6.33	6.50	6.16	5.84
17	6.44	6.56	5.80	5.06	4.68	5.68	6.16	6.24	6.33	6.46	6.16	5.79
18	6.44	6.44	5.78	4.91	4.84	5.77	6.16	6.24	6.34	6.46	6.15	5.76
19	6.43	6.38	5.75	4.79	4.93	5.81	6.16	6.23	6.34	6.45	5.10	5.73
20	6.43	6.34	5.72	4.67	4.95	5.84	6.16	6.22	6.34	6.42	6.05	5.70
21	6.42	6.31	5.70	4.55	4.95	5.90	6.16	6.22	6.34	6.40	6.04	5.68
22	6.42	6.29	5.67	4.45	4.92	5.90	6.16	6.22	6.33	6.39	6.02	5.66
23	6.41	6.28	5.65	4.35	4.87	5.90	6.16	6.22	6.33	6.37	6.01	5.65
24	6.42	6.26	5.64	4.25	4.82	5.90	6.16	6.21	6.34	6.36	5.98	5.63
25	6.42	6.25	5.61	4.16	4.81	5.97	6.16	6.21	6.34	6.35	5.97	5.60
26	6.41	6.23	5.59	4.04	4.54	5.96	6.16	6.21	6.34	6.33	5.96	5.58
27	6.41	6.20	5.57	3.95	4.26	5.93	6.26	6.21	6.34	6.32	5.95	5.55
28	6.41	6.17	5.56	3.89	4.08	5.94	6.23	6.21	6.33	6.31	5.91	5.58
29	6.40		5.56	3.84	4.04	5.96	6.22	6.22	6.33	6.30	5.91	5.58
30	6.40		5.54	3.80	4.04	5.97	6.22	6.31	6.33	6.29	5.90	5.57
31	6.39		5.53		4.15		6.22	6.39		6.28		5.56

e Estimated.

G218. U. S. Geol. Survey. NW¼NW¼ sec. 18, T. 53 S., R. 40 E. Drilled test water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 71 feet, cased to 70. Land-surface datum is 5.25 feet above msl. Highest water level 8.95 above msl, Oct. 12, 1947; lowest 1.20 above msl, May 19, 1945. Records available: 1945-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.72	5.46	4.90	3.35	2.92	3.48	....	5.21	5.40	5.39	....	....
2	5.72	5.45	4.86	3.32	2.91	3.48	....	4.26	5.43	5.37	....	....
3	5.71	5.44	4.82	3.26	2.89	3.45	....	5.27	5.44	5.34	....	....
4	5.70	5.44	4.74	3.26	3.03	3.35	....	5.27	5.43	5.34	....	....
5	5.70	5.43	4.67	3.25	3.04	3.25	....	5.27	5.42	5.32	....	....
6	5.68	5.41	4.61	3.23	3.02	3.15	....	5.25	5.46	5.30	....	....
7	5.67	5.35	4.53	3.18	2.96	3.07	....	5.23	5.65	5.28	....	....
8	5.65	5.35	4.47	3.13	2.92	3.00	5.33	5.40	5.69	5.27	....	....
9	5.64	5.38	4.40	3.92	2.88	2.93	5.33	5.39	5.70	5.25	....	....
10	5.62	5.38	4.34	3.92	2.87	2.88	5.29	5.37	5.69	5.29	....	....
11	5.62	5.37	4.28	3.81	2.84	4.31	5.25	5.35	5.68	5.62	....	....
12	5.60	5.37	4.23	3.71	2.79	4.67	5.21	5.37	5.66	5.67	....	....
13	5.59	5.37	4.16	3.62	2.75	e4.70	5.16	5.37	5.64	5.76	....	....
14	5.58	5.30	4.12	3.55	2.71	4.68	5.11	5.48	5.62	5.76	....	....
15	5.55	5.28	4.06	3.45	2.72	4.57	5.04	5.46	5.59	5.75	....	....
16	5.52	5.26	4.00	4.03	3.52	4.66	4.96	5.45	5.57	5.74	....	....
17	5.52	5.23	3.95	4.04	3.94	4.66	4.94	5.43	5.56	5.72	....	....
18	5.52	5.22	3.88	4.00	4.04	4.93	5.00	5.49	5.54	5.70	....	....
19	5.50	5.21	3.85	3.85	4.05	4.97	5.02	5.48	5.52	5.69	....	....
20	5.50	5.20	3.80	3.71	4.05	4.97	5.06	5.45	5.52	5.66	....	....
21	5.50	5.18	3.75	3.58	4.00	5.00	5.17	5.41	5.50	5.64	....	....
22	5.49	5.15	3.67	3.47	3.89	5.11	5.17	5.38	5.49	5.62	....	....
23	5.48	5.11	3.64	3.35	3.78	5.12	5.16	5.35	5.48	5.60	....	....
24	5.47	5.10	3.58	3.27	3.66	5.12	5.15	5.34	5.50	5.57	....	....
25	5.47	5.07	3.60	3.17	3.55	5.08	5.09	5.34	5.49	5.54	....	....
26	5.46	5.00	3.58	3.11	3.46	5.11	5.03	5.34	5.49	....	....	....
27	5.45	4.93	3.53	3.01	3.36	....	4.93	....	5.48	....	....	....
28	5.45	4.92	3.50	2.99	3.25	....	4.94	....	5.46	....	....	....
29	5.45		3.46	2.96	3.18	....	5.11	5.27	5.44	....	....	....
30	5.46		3.45	2.93	3.15	....	5.15	5.27	5.42	....	....	....
31	5.46		3.36		3.42		5.20	5.34		....		....

e Estimated.

G350. U. S. Geol. Survey. NW¼NW¼ sec. 14, T. 54 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 4 inches, depth 15 feet, cased to 10. Land-surface datum is 7.48 feet above msl. Highest water level 8.85 above msl, Oct. 14, 1947; lowest 0.61 above msl, June 20-23, 1945. Records available: 1944-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.37	2.35	1.93	1.46	2.48	2.37	2.86	2.71	2.48	2.69	2.96	2.89
2	2.36	2.30	1.90	1.47	2.48	2.40	2.75	2.86	2.50	2.66	2.88	2.89
3	2.36	2.25	1.86	1.49	2.48	2.43	2.65	2.88	2.50	2.63	2.82	2.89
4	2.35	2.30	1.84	1.48	2.43	2.43	2.55	2.86	2.46	2.60	2.77	2.89
5	2.32	2.36	1.82	1.46	2.43	2.42	2.62	2.78	2.43	2.60	2.72	2.88
6	2.36	2.38	1.78	1.44	2.43	2.41	2.86	2.69	2.37	2.60	2.68	2.93
7	2.40	2.36	1.76	1.41	2.42	2.37	2.87	2.65	2.47	2.58	2.68	2.89
8	2.44	2.31	1.77	1.39	2.40	2.35	2.80	2.86	2.74	2.53	2.67	....
9	2.47	2.31	1.77	1.53	2.37	2.34	2.68	2.87	2.92	2.47	2.82	....
10	2.52	2.27	1.76	1.64	2.35	2.34	2.58	2.85	2.92	2.55	2.93	....
11	2.53	2.23	1.77	1.65	2.31	2.76	2.47	2.78	2.91	3.14	2.93	....
12	2.52	2.19	1.75	1.61	2.28	3.50	2.39	2.70	2.84	3.80	2.89	....
13	2.51	2.11	1.72	1.59	2.25	3.48	2.35	2.67	2.81	3.81	2.81	....
14	2.46	2.07	1.68	1.57	2.19	3.21	2.27	2.78	2.84	3.78	2.74	....
15	2.44	2.06	1.64	1.51	2.17	2.96	2.18	2.80	2.84	3.69	2.71	....
16	2.45	2.03	1.61	1.66	2.15	2.76	2.15	2.80	2.84	3.59	2.69	....
17	2.45	2.03	1.57	1.86	2.27	2.71	2.14	2.92	2.85	3.51	2.67	....
18	2.41	2.03	1.53	1.90	2.31	2.72	2.25	2.98	2.85	3.46	2.67	....
19	2.40	2.04	1.49	1.92	2.47	3.00	2.36	2.94	2.80	3.41	2.70	....
20	2.34	2.05	1.50	1.93	2.60	3.00	2.45	2.90	2.80	3.32	2.70	....
21	2.29	2.02	1.48	2.03	2.55	2.93	2.58	2.79	2.79	3.30	2.76	....
22	2.31	2.02	1.50	2.18	2.45	2.94	2.60	2.70	2.75	e3.23	2.78	....
23	2.33	2.05	1.47	2.27	2.37	2.97	2.60	2.63	2.75	e3.22	2.81	....
24	2.37	2.05	1.49	2.33	2.39	2.87	2.62	2.61	2.78	e3.20	2.81	....
25	2.40	2.03	1.54	2.34	2.46	2.73	2.52	2.59	2.84	e3.15	2.89	....

G350--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	2.36	2.03	1.53	2.36	2.46	2.60	2.38	....	2.83	3.10	2.93	....
27	2.38	1.98	1.50	2.39	2.48	2.59	2.27	....	2.79	3.09	2.97	....
28	2.44	1.95	1.48	2.42	2.47	2.80	2.57	....	2.75	3.10	2.97	....
29	2.47		1.47	2.44	2.43	2.97	2.63	....	2.68	3.09	2.96	....
30	2.46		1.43	2.46	2.40	2.98	2.74	e2.45	2.67	3.07	2.93	....
31	2.42		1.43		2.35		2.76	2.38		3.04		....

e Estimated.

G476. U. S. Geol. Survey. NW¼NE¼ sec. 35, T. 55 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 24 feet, cased to 19. Land-surface datum is 12.15 feet above msl. Highest water level 6.55 above msl, Sept. 24, 1948; lowest 0.18 above msl, June 29, 1950. Records available: 1947-55. Affected by tides in Biscayne Bay.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.86	0.93	0.98	0.87	1.18	1.20	1.65	1.80	1.78	1.96	2.09	1.42
2	.88	.90	.89	.85	1.33	1.23	1.68	1.88	1.84	1.94	2.06	1.42
3	.85	.90	.82	.82	1.38	1.33	1.69	1.99	1.85	1.93	1.96	1.40
4	.85	1.27	.88	.78	1.38	1.35	1.68	2.00	1.80	1.89	1.85	1.33
5	.93	1.45	.76	.78	1.37	1.34	1.69	1.98	1.84	1.90	1.77	1.18
6	.96	1.44	.80	.81	1.37	1.35	1.69	1.97	1.75	1.92	1.88	1.28
7	1.05	1.36	.83	.74	1.29	1.40	1.66	2.01	1.63	1.96	1.92	1.32
8	1.18	1.20	.83	.69	1.18	1.38	1.58	2.09	1.60	1.83	1.88	1.42
9	1.25	1.14	.90	.93	1.07	1.45	1.59	2.10	1.57	1.73	1.83	1.34
10	1.32	1.20	.89	1.01	.95	1.45	1.55	2.03	1.62	1.75	1.86	1.18
11	1.35	1.16	.90	1.00	.94	1.43	1.51	1.97	....	1.87	1.77	1.21
12	1.32	.85	.85	.90	.93	1.55	1.46	1.93	....	2.42	1.71	1.32
13	1.28	.90	.75	.91	.97	1.70	1.43	1.92	....	2.71	1.69	1.43
14	1.14	.99	.74	.82	.95	1.68	1.43	1.92	....	2.77	1.65	1.44
15	1.16	.88	.69	.64	.94	1.67	1.44	1.99	....	....	1.63	1.44
16	1.22	.96	.62	.67	1.08	1.67	1.45	2.09	....	....	1.62	1.42
17	1.18	.95	.58	.78	1.27	1.69	1.50	2.14	....	2.73	1.51	1.33
18	1.19	.99	.61	.88	1.35	1.68	1.62	2.10	....	2.63	1.39	1.29
19	1.04	1.08	.65	1.05	1.39	1.69	1.70	....	....	2.56	1.38	1.27
20	.94	1.12	.71	1.10	1.47	1.69	1.74	....	1.92	2.40	1.31	1.18
21	1.11	1.15	.77	1.12	1.47	1.70	1.76	....	1.88	2.42	1.34	1.23
22	1.19	1.16	.76	1.15	1.45	1.75	1.73	....	1.83	2.47	1.31	1.10
23	1.28	1.21	.75	1.25	1.38	1.81	1.71	....	1.75	2.57	1.38	1.10
24	1.32	1.23	.79	1.29	1.33	1.75	1.72	....	1.79	2.49	1.31	1.07
25	1.30	1.15	.82	1.22	1.29	1.65	1.75	....	1.76	2.40	1.31	1.08
26	1.21	1.22	.82	1.03	1.16	1.57	1.75	....	1.77	2.32	1.29	1.15
27	1.24	1.15	.75	1.02	1.13	1.51	1.59	1.66	1.83	2.31	1.41	1.28
28	1.34	1.02	.83	1.04	1.13	1.45	1.51	1.66	1.81	2.32	1.37	1.56
29	1.37		.80	.98	1.15	1.47	1.59	1.61	1.85	2.32	1.32	1.67
30	1.22		.77	1.00	1.16	1.60	1.65	1.63	1.97	2.24	1.30	1.62
31	1.00		.80		1.16		1.72	1.64		2.15		1.52

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.56	0.57	0.59	0.55	0.75	0.92	1.36	1.54	1.45	1.67	1.70	0.90
2	.54	.56	.52	.53	1.00	.90	1.40	1.60	1.52	1.60	1.69	1.10
3	.53	.54	.52	.47	1.08	1.01	1.42	1.69	1.55	1.55	1.58	1.07
4	.50	.57	.51	.43	1.06	1.02	1.38	1.70	1.47	1.52	1.48	.94
5	.48	1.09	.41	.37	1.04	1.03	1.36	1.65	1.53	1.57	1.54	.87
6	.53	1.10	.40	.42	1.00	1.04	1.40	1.67	1.37	1.60	1.50	.88
7	.55	.87	.45	.33	.90	1.12	1.31	1.72	1.31	1.62	1.62	1.01
8	.68	.83	.48	.32	.80	1.14	1.33	1.77	1.31	1.47	1.61	1.04
9	.82	.77	.50	.53	.62	1.21	1.32	1.77	1.28	1.47	1.55	1.07
10	.90	.83	.45	.70	.63	1.18	1.26	1.73	1.33	1.46	1.57	.92
11	.95	.67	.53	.59	.60	1.18	1.26	1.65	....	1.53	1.49	.85
12	.95	.55	.43	.56	.65	1.28	1.19	1.62	....	1.62	1.42	.92
13	.85	.52	.41	.60	.67	1.41	1.16	1.57	....	2.22	1.39	1.02
14	.87	.67	.37	.40	.63	1.40	1.15	1.61	....	2.43	1.37	1.16
15	.88	.63	.38	.38	.62	1.37	1.13	1.65	....	....	1.33	1.10
16	.89	.62	.35	.38	.72	1.36	1.07	1.72	....	....	1.33	1.10
17	.89	.70	.33	.43	.89	1.33	1.15	1.76	....	2.53	1.20	1.04
18	.86	.69	.31	.55	1.00	1.32	1.24	1.73	....	2.43	1.14	1.01
19	.68	.70	.36	.72	1.03	1.36	1.33	....	....	2.22	1.12	.94
20	.59	.83	.39	.73	1.10	1.33	1.40	....	1.67	2.13	1.03	.89

G476--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	.67	.80	.44	.69	1.06	1.35	1.38	....	1.61	2.20	1.15	.92
22	.83	.77	.37	.77	1.03	1.42	1.38	....	1.57	2.27	1.05	.87
23	.89	.86	.33	.85	.95	1.43	1.39	....	1.55	2.38	1.15	.83
24	.99	.82	.37	.87	.92	1.35	1.45	....	1.58	2.24	1.09	.79
25	.89	.78	.40	.66	.83	1.27	1.48	....	1.56	2.17	1.05	.75
26	.75	.83	.37	.55	.76	1.27	1.43	....	1.55	2.13	1.00	.72
27	.90	.71	.30	.55	.77	1.19	1.31	1.43	1.62	2.05	.99	.80
28	.98	.63	.40	.64	.80	1.18	1.25	1.43	1.54	2.03	1.05	.94
29	.97		.37	.63	.87	1.20	1.32	1.33	1.53	2.00	.99	1.35
30	.77		.37	.68	.85	1.33	1.37	1.35	1.63	1.92	.89	1.18
31	.63		.49		.84		1.50	1.33		1.79		1.14

G490. U. S. Geol. Survey. NE¼NW¼ sec. 29, T. 53 S., R. 41 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 23 feet, cased to 20. Land-surface datum is 5.40 feet above msl. Highest water level 6.27 above msl, Oct. 12, 1947; lowest 0.29 above msl, Mar. 15, 1950. Records available: 1947-55. Affected by tides in Miami Canal. Measurement discontinued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.92	0.93	0.95	0.71	1.20	1.41	1.65	1.65	1.72	1.75	....	....
2	.90	.90	.88	.77	1.34	1.36	1.63	1.65	1.69	1.72	....	....
3	.85	.90	.82	.79	1.37	1.39	1.59	1.74	1.67	1.70	....	....
4	.85	1.00	.83	.74	1.39	1.43	1.56	1.73	1.62	1.69	....	....
5	.91	1.17	.74	.71	1.40	1.43	1.73	1.66	1.61	1.72	....	....
6	.96	1.21	.76	.70	1.40	1.43	1.84	1.72	1.55	1.73	....	....
7	1.03	1.17	.82	.65	1.38	1.46	1.81	1.72	1.62	1.69	....	....
8	1.13	1.16	.78	.64	1.32	1.51	1.71	1.75	1.90	1.62	....	....
9	1.20	1.10	.77	.67	1.25	1.52	1.65	1.77	2.08	1.56	....	....
10	1.28	1.12	.77	.71	1.17	1.52	1.59	1.74	2.06	1.56	....	....
11	1.27	1.10	.83	.71	1.12	2.10	1.52	1.70	1.83	2.00	....	....
12	1.27	.88	.80	.68	1.10	2.36	1.54	1.69	1.84	2.62	....	....
13	1.20	.78	.72	.69	1.11	2.29	1.40	1.66	1.85	2.65	....	....
14	1.12	.89	.70	.64	1.12	1.94	1.35	1.71	1.91	....	....	....
15	1.14	....	.67	.54	1.12	1.77	1.35	1.74	1.93	....	....	....
16	1.21	....	.61	.75	1.24	1.68	1.33	1.79	2.00	....	....	....
17	1.17	....	.58	.79	1.52	1.66	1.36	1.83	2.02	....	....	....
18	1.18	.94	.62	.84	1.42	1.90	1.43	1.87	2.02	....	....	....
19	1.12	.99	.63	.92	1.54	1.99	1.46	1.80	1.99	....	....	....
20	.94	.98	.66	.98	1.56	1.89	1.50	1.76	1.92	....	....	....
21	1.05	1.02	.70	1.01	1.55	1.75	1.60	1.65	1.82	....	....	....
22	1.11	1.04	.73	1.07	1.50	1.73	1.59	1.59	1.76	....	....	....
23	1.20	1.11	.67	1.11	1.51	1.78	1.55	1.55	1.68	....	....	....
24	1.28	1.10	.71	1.12	1.49	1.80	1.56	1.55	1.72	....	....	....
25	1.20	1.05	.74	1.06	1.42	1.63	1.54	1.58	1.74	....	....	....
26	1.11	1.08	.74	.95	1.38	1.56	1.47	1.44	1.64	....	....	....
27	1.21	1.01	.69	1.08	1.34	1.50	1.37	1.45	1.66	....	....	....
28	1.23	.97	.68	1.14	1.32	1.47	1.55	1.47	1.63	....	....	....
29	1.25		.66	1.12	1.33	1.50	1.74	1.44	1.62	....	....	....
30	1.15		.62	1.12	1.35	1.56	1.70	1.46	1.73	....	....	....
31	1.01		.66		1.53		1.68	1.67		....	....	....

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.69	0.67	0.67	0.50	1.00	1.20	1.38	1.39	1.44	1.45	....	....
2	.63	.64	.60	.49	1.12	1.15	1.34	1.39	1.40	1.44	....	....
3	.60	.64	.56	.55	1.21	1.20	1.31	1.45	1.38	1.40	....	....
4	.59	.65	.60	.48	1.21	1.25	1.27	1.45	1.32	1.36	....	....
5	.60	.76	.50	.44	1.21	1.24	1.37	1.37	1.32	1.40	....	....
6	.65	.93	.46	.42	1.21	1.24	1.56	1.38	1.22	1.42	....	....
7	.68	.85	.52	.40	1.17	1.29	1.47	1.44	1.18	1.41	....	....
8	.76	.84	.49	.35	1.11	1.33	1.39	1.46	1.34	1.32	....	....
9	.87	.80	.51	.42	1.03	1.37	1.35	1.47	1.61	1.28	....	....
10	.93	.85	.51	.46	.98	1.34	1.29	1.44	1.65	1.30	....	....
11	1.01	.77	.57	.45	.94	1.39	1.27	1.43	1.55	1.33	....	....
12	.99	.61	.50	.44	.95	1.88	1.20	1.41	1.56	1.88	....	....
13	.93	.59	.48	.47	.97	1.79	1.12	1.37	1.54	2.31	....	....
14	.91	.71	.44	.33	.96	1.58	1.08	1.33	1.58	....	....	....
15	.94	....	.44	.35	.97	1.46	1.04	1.44	1.62	....	....	....

G490--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	1.00	....	.41	.38	1.05	1.35	1.03	1.48	1.65	....	....	....
17	.94	....	.39	.59	1.14	1.35	1.05	1.51	1.69	....	....	....
18	.97	.74	.45	.61	1.19	1.40	1.10	1.50	1.71	....	....	....
19	.73	.73	.43	.67	1.23	1.65	1.14	1.50	1.68	....	....	....
20	.74	.77	.44	.71	1.29	1.48	1.19	1.41	1.62	....	....	....
21	.76	.72	.43	.71	1.25	1.39	1.22	1.35	1.55	....	....	....
22	.84	.78	.48	.74	1.27	1.43	1.28	1.32	1.49	....	....	....
23	.88	.81	.39	.80	1.26	1.44	1.27	1.31	1.47	....	....	....
24	.96	.77	.43	.78	1.26	1.37	1.32	1.31	1.53	....	....	....
25	.88	.77	.44	.73	1.20	1.30	1.28	1.30	1.47	....	....	....
26	.77	.78	.43	.73	1.16	1.29	1.18	1.22	1.43	....	....	....
27	.90	.71	.30	.90	1.15	1.22	1.10	1.24	1.42	....	....	....
28	.99	.70	.41	.97	1.16	1.16	1.05	1.25	1.37	....	....	....
29	.95		.34	.97	1.18	1.26	1.32	1.21	1.35	....	....	....
30	.81		.38	.97	1.18	1.30	1.44	1.22	1.42	....	....	....
31	.71		.46		1.20		1.43	1.22		....		....

G518. U. S. Geol. Survey. NE¼NW¼ sec. 30, T. 56 S., R. 40 E. Drilled test water-table well in limestone of Biscayne aquifer, diameter 4 inches, depth 75 feet, cased to 73. Land-surface datum is 5.65 feet above msl. Highest water level 4.77 above msl, Oct. 7-8, 1953; lowest 0.43 above msl, July 1-2, 1950. Records available: 1947-55. Affected by tides in Goulds Canal.

Daily highest water level. above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.73	1.65	1.36	0.99	0.84	1.60	2.15	2.10	2.10	....	2.69	2.01
2	1.72	1.65	1.34	.93	.83	1.60	2.10	1.99	....	....	2.63	1.95
3	1.71	1.65	1.31	.86	.84	1.55	2.10	1.95	....	....	2.60	1.95
4	1.70	e1.65	1.28	.85	.88	1.43	2.03	1.95	....	....	2.56	1.96
5	1.68	e1.64	1.24	.84	.92	1.30	1.96	1.90	....	....	2.50	1.96
6	1.66	e1.64	1.20	.77	.92	1.20	e2.87	1.91	....	....	2.47	1.95
7	1.65	1.63	1.16	.75	.92	1.13	e2.82	1.95	....	....	2.45	1.91
8	1.65	1.64	1.14	.70	.95	1.05	2.50	1.95	....	....	2.41	2.02
9	1.65	1.68	1.12	1.20	.95	1.04	2.28	1.96	....	....	2.38	2.17
10	1.65	1.68	1.10	1.47	.92	1.00	2.15	1.95	....	....	2.42	2.17
11	1.64	1.64	1.09	1.47	.85	....	2.02	1.89	....	e4.27	2.42	2.10
12	1.63	1.57	1.08	1.47	.78	....	2.07	1.86	....	e4.76	2.40	2.05
13	1.61	1.47	1.07	1.38	.70	....	2.15	2.77	....	e4.60	2.34	2.07
14	1.60	1.45	1.05	1.30	.63	....	2.18	2.68	....	e4.35	2.30	2.12
15	1.59	1.45	1.01	1.20	.57	....	2.10	2.56	....	e4.02	2.25	2.12
16	1.59	1.41	1.00	1.12	.85	....	1.97	2.57	....	e3.65	2.22	2.07
17	1.59	1.57	.98	1.09	1.36	....	1.98	2.56	....	e3.38	2.20	1.93
18	1.58	1.87	.95	1.05	1.60	....	1.95	2.77	....	e3.32	2.16	1.87
19	1.56	1.87	.94	1.00	1.95	....	1.96	2.77	....	e3.20	2.13	1.85
20	1.53	1.80	.92	.97	e3.00	....	2.65	2.77	....	e3.14	2.11	1.80
21	1.52	1.70	.91	.95	2.40	....	e2.83	2.66	3.55	e3.08	2.08	1.78
22	1.57	1.60	.89	.95	1.88	....	e2.83	2.50	3.35	e3.02	2.04	1.95
23	1.62	1.50	.88	.95	1.61	....	2.55	2.44	....	e2.96	2.01	2.07
24	1.64	1.47	.84	.95	1.40	....	2.34	2.68	....	e2.90	1.98	2.07
25	1.67	1.45	.84	.93	1.24	....	2.17	2.68	....	e2.85	1.95	1.98
26	1.67	1.43	.84	.90	1.18	....	2.02	2.63	....	2.79	2.48	1.85
27	1.90	1.43	.84	.87	1.11	2.23	1.99	2.46	....	2.76	2.48	1.78
28	1.94	1.37	.84	.85	1.03	2.10	2.24	2.33	....	2.76	2.42	1.74
29	1.94		1.01	.85	.95	e2.27	2.24	2.22	....	2.75	2.24	2.00
30	1.88		1.03	.85	.94	e2.26	2.14	2.15	....	2.73	2.11	2.00
31	1.74		1.03		1.53		2.14	2.10		2.72		1.97

e Estimated.

G551. City of Miami. NW¼SW¼ sec. 36, T. 54 S., R. 39 E. Drilled test water-table well in limestone of Biscayne aquifer, diameter 24 to 18 inches, depth 80 feet, cased to 71, slotted 29-71. Land-surface datum is 8.04 feet above msl. Highest water level 8.77 above msl, Oct. 5, 1948; lowest 2.05 above msl, May 14-15, 1955. Records available: 1947-55. Affected by pumping in city of Miami well field.

G551--Continued.

Daily lowest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.74	4.46	3.78	3.15	2.85	2.80	5.21	5.45	5.27	5.18	5.34	4.40
2	4.73	4.43	3.72	3.00	2.83	2.82	5.14	5.40	5.41	5.13	5.27	4.41
3	4.72	4.28	3.69	3.08	2.82	2.85	5.07	6.15	5.35	5.10	5.22	4.56
4	4.72	4.25	3.65	3.10	2.80	2.88	4.98	6.02	5.30	5.08	5.17	4.57
5	4.83	4.25	3.60	3.23	2.78	2.89	4.93	5.87	5.25	5.18	5.13	4.42
6	4.80	4.23	3.57	3.18	2.76	2.70	4.96	5.60	5.24	5.15	5.00	4.48
7	4.78	4.23	3.56	3.13	2.74	2.60	5.40	5.47	5.33	5.09	4.87	4.50
8	4.76	4.48	3.62	3.10	2.72	2.47	5.38	5.41	5.80	5.02	4.82	4.60
9	4.56	4.47	3.58	3.08	2.69	2.40	5.30	5.78	6.18	4.91	4.80	4.63
10	4.53	4.40	3.55	3.13	2.62	2.35	5.20	5.68	6.33	5.07	4.97	4.67
11	4.51	4.38	3.50	3.18	2.30	2.37	5.17	5.52	6.18	5.11	5.19	4.64
12	4.49	4.37	e3.48	3.23	2.17	2.68	5.20	5.41	6.05	5.95	5.15	4.63
13	4.48	4.35	e3.46	3.26	2.11	4.05	5.12	5.33	5.99	7.68	5.11	4.68
14	4.70	4.15	e3.45	3.26	2.05	4.56	5.05	5.29	5.97	7.59	5.10	4.75
15	4.67	4.12	e3.43	3.14	2.05	4.53	4.95	5.29	5.84	7.45	5.02	4.73
16	4.63	4.10	e3.42	3.11	2.07	4.53	4.88	5.43	5.71	7.36	4.94	4.63
17	4.61	4.09	e3.40	2.94	2.23	4.85	4.86	5.38	5.67	6.85	4.92	4.62
18	4.60	4.09	e3.38	2.91	2.35	5.25	4.86	5.31	5.82	6.80	4.86	4.62
19	4.48	4.08	e3.37	2.87	2.50	5.26	4.89	5.43	5.71	6.65	4.86	4.58
20	4.45	4.06	e3.35	2.88	2.73	5.28	4.87	5.73	5.70	6.48	4.87	4.54
21	4.43	4.05	e3.33	2.93	3.07	5.14	4.90	5.67	5.82	6.35	4.85	4.50
22	4.39	4.27	e3.32	2.90	3.20	5.09	5.06	5.60	5.72	6.22	4.82	4.37
23	4.39	4.23	e3.30	2.90	3.25	....	5.03	5.35	5.66	6.10	4.79	4.55
24	4.50	4.20	e3.28	3.05	3.18	....	5.27	5.27	5.66	6.07	4.76	4.52
25	4.50	4.20	e3.26	2.88	3.13	....	5.28	5.40	5.79	6.04	4.74	4.48
26	4.52	4.18	e3.24	2.90	3.08	....	5.14	5.40	5.51	5.94	4.70	4.45
27	4.50	4.17	e3.22	2.84	2.94	5.33	5.05	5.37	5.41	5.87	4.69	4.42
28	4.48	3.86	e3.20	2.81	2.84	5.18	4.98	5.39	5.33	5.79	4.49	4.40
29	4.48		e3.18	2.78	2.77	5.30	5.30	5.30	5.30	5.73	4.60	4.45
30	4.50		3.17	2.83	2.75	5.35	5.32	5.23	5.22	5.66	4.42	4.62
31	4.49		3.17		2.73		5.57	5.21		5.40		4.60

e Estimated.

G553. City of Miami. NE¼SE¼ sec. 16, T. 55 S., R. 40 E. Drilled test water-table well in limestone of Biscayne aquifer, diameter 24 to 18 inches, depth 91 feet, cased to 79, slotted 36-79. Land-surface datum is 12.11 feet above msl. Highest water level 11.06 above msl, Oct. 5, 1948; lowest 1.86 above msl, May 17, 1955. Records available: 1947-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.93	3.30	3.03	2.42	2.11	2.52	5.63	6.55	5.47	5.34	6.23	4.44
2	3.91	3.30	3.02	2.40	2.10	2.55	5.58	6.48	5.44	5.28	6.17	4.40
3	3.88	3.30	3.01	2.38	2.09	2.57	5.53	6.42	5.43	5.23	6.08	4.38
4	3.85	3.28	3.00	2.37	2.07	2.59	5.47	6.37	5.37	5.19	6.00	4.37
5	3.83	3.28	2.97	2.35	2.06	2.60	5.42	6.30	5.31	5.12	5.92	4.33
6	3.80	3.27	2.95	2.33	2.05	2.60	5.52	6.23	5.27	5.07	5.83	4.30
7	3.78	3.27	2.93	2.31	2.03	2.60	5.52	6.17	5.29	5.02	5.75	4.27
8	3.76	3.26	2.92	2.30	2.02	2.59	5.51	6.51	5.36	4.95	5.67	4.27
9	3.73	3.26	2.89	2.30	2.01	2.58	5.48	6.61	5.52	4.89	5.60	4.30
10	3.70	3.25	2.87	2.32	1.99	2.57	5.42	6.62	5.59	4.82	5.67	4.28
11	3.67	3.24	2.85	2.32	1.97	2.86	5.40	6.54	5.63	4.91	5.67	4.24
12	3.65	3.23	2.83	2.32	1.95	4.10	5.40	6.41	5.64	6.68	5.58	4.22
13	3.63	3.21	2.80	2.32	1.93	4.81	5.34	6.28	5.62	7.35	5.52	4.24
14	3.60	3.20	2.78	2.32	1.91	4.97	5.30	6.22	5.63	7.35	5.43	4.26
15	3.58	3.20	2.77	2.31	1.89	5.18	5.22	6.10	5.63	7.35	5.38	4.26
16	3.57	3.18	2.75	2.31	1.88	5.43	5.15	6.01	5.61	7.32	5.33	4.24
17	3.55	3.20	2.72	2.31	1.89	e5.75	5.10	5.90	5.58	7.30	5.27	4.20
18	3.52	3.22	2.70	2.31	1.94	e5.85	5.09	5.85	5.56	7.27	5.20	4.17
19	3.50	3.22	2.67	2.29	2.15	e6.15	5.02	5.88	5.61	7.27	5.18	4.16
20	3.47	3.19	2.65	2.28	2.25	e6.11	5.00	5.88	5.61	7.20	5.09	4.13
21	3.45	3.17	2.62	2.27	2.30	e6.07	5.10	5.86	5.61	7.14	5.04	4.11
22	3.43	3.15	2.60	2.25	2.33	e6.03	5.11	5.79	5.57	7.10	4.97	4.08
23	3.41	3.14	2.57	2.23	2.35	e6.00	5.15	5.71	5.53	7.05	4.91	4.06
24	3.40	3.13	2.54	2.22	2.37	e5.97	5.30	5.62	5.66	6.97	4.86	4.04
25	3.37	3.11	2.53	2.20	2.38	e5.93	5.37	5.63	5.66	6.90	4.80	4.02

G553--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	3.35	3.10	2.50	2.19	2.38	e5.89	5.38	5.60	5.62	6.84	4.75	3.99
27	3.32	3.08	2.48	2.17	2.38	5.85	5.37	5.52	5.56	6.71	4.70	3.95
28	3.33	3.05	2.45	2.16	2.38	5.81	5.75	5.47	5.51	6.63	4.60	3.93
29	3.32		2.45	2.15	2.37	5.74	6.56	5.39	5.45	6.54	4.55	3.96
30	3.33		2.45	2.13	2.36	5.70	6.62	5.31	5.40	6.45	4.48	3.94
31	3.33		2.44		2.43		6.60	5.35		6.32		3.92

e Estimated.

G580. U. S. Geol. Survey. Northwest corner of Ludlum Rd. and Killian Dr. SE¼NE¼ sec. 11, T. 55 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 2½ inches, depth 100 feet, cased to 95. Land-surface datum is 9.20 feet above msl. Highest water level 7.38 above msl, Oct. 9, 1953; lowest 1.10 above msl, July 1-2, 1952. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.69	1.60	1.96	1.37	1.32	1.70	3.33	2.84	2.66	2.79	3.26	2.65
2	1.67	1.58	1.95	1.36	1.34	1.72	3.27	2.84	2.71	2.77	3.20	2.61
3	1.66	1.62	1.93	1.36	1.36	1.72	3.21	2.85	2.74	2.75	e3.12	2.60
4	1.63	1.70	1.90	1.36	1.38	1.72	3.17	2.85	2.74	2.73	3.02	2.59
5	1.61	1.77	1.80	1.36	1.35	1.72	3.13	2.85	2.73	2.70	3.02	2.57
6	1.59	1.84	1.77	1.35	1.35	1.72	3.30	2.85	2.70	2.69	3.02	2.54
7	1.58	1.88	1.75	1.35	1.35	1.72	3.30	2.84	2.74	2.67	3.01	....
8	1.58	1.91	1.73	1.33	1.35	1.72	3.25	2.83	2.87	2.65	3.01	....
9	1.59	1.92	1.72	1.31	1.34	1.73	3.15	2.82	3.00	2.59	3.04	....
10	1.61	1.95	1.69	1.33	1.31	1.73	3.06	2.81	3.10	2.55	3.06	....
11	1.62	1.95	1.68	1.35	1.30	2.34	2.96	2.80	3.15	2.72	3.06	....
12	1.63	1.95	1.67	1.29	1.24	3.60	2.89	2.79	3.16	4.20	3.06	....
13	1.64	1.95	1.65	1.29	1.22	4.00	2.86	2.79	3.15	4.34	3.04	....
14	1.64	1.95	1.64	1.29	1.20	4.13	2.83	2.80	3.16	4.35	3.02	2.74
15	1.63	1.95	1.62	1.28	1.19	4.14	2.79	2.81	3.17	4.35	3.01	2.75
16	1.63	1.95	1.59	1.27	1.17	4.14	2.76	2.82	3.17	4.34	3.00	2.75
17	1.62	1.96	1.56	1.25	1.26	4.14	2.72	2.82	3.16	4.30	2.97	2.75
18	1.62	1.98	1.52	1.25	1.33	4.42	2.70	2.83	3.15	4.24	2.94	2.75
19	1.56	1.98	1.49	1.25	1.61	4.60	2.67	2.83	3.15	4.21	2.90	2.73
20	1.53	1.99	1.47	1.26	1.74	4.60	2.67	2.83	3.14	4.13	2.85	2.71
21	1.52	1.99	1.45	1.26	1.79	4.52	2.70	2.83	3.13	4.05	2.81	2.68
22	1.52	1.99	1.45	1.28	1.80	4.36	2.71	2.79	3.11	e4.00	2.78	2.65
23	1.52	1.99	1.43	1.30	1.81	4.21	2.79	2.74	3.07	e3.92	2.76	2.62
24	1.52	1.99	1.42	1.31	1.81	4.06	2.89	2.68	2.98	e3.85	2.74	2.58
25	1.53	1.99	1.41	1.32	1.81	3.89	2.90	2.69	2.96	e3.77	2.71	2.55
26	1.53	1.98	1.40	1.32	1.79	3.76	2.90	2.69	2.95	e3.70	2.69	2.53
27	1.53	1.98	1.39	1.33	1.77	3.69	2.88	2.67	2.92	3.63	2.66	2.45
28	1.54	1.98	1.39	1.33	1.74	3.57	2.86	e2.64	2.89	3.51	2.66	2.45
29	1.59		1.38	1.31	1.70	3.45	2.83	e2.61	2.86	3.45	2.66	2.47
30	1.62		1.38	1.32	1.67	3.38	2.83	2.58	2.82	3.39	2.65	2.48
31	1.62		1.37		1.65		2.83	2.56		3.33		2.49

e Estimated.

G595. U. S. Geol. Survey. NW¼NW¼ sec. 34, T. 54 S., R. 40 E. Drilled observation well in limestone of Biscayne aquifer, diameter 6 inches, depth 14 feet, cased to 11. Land-surface datum is 8.80 feet above msl. Highest water level 9.12 above msl, Oct. 5, 1952; lowest 1.67 above msl, June 21, 1952. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.76	3.37	3.28	2.58	2.26	2.54	4.84	4.48	4.38	4.59	4.74	3.93
2	3.75	3.38	3.26	2.56	2.25	2.55	4.76	4.96	4.44	4.55	4.66	3.90
3	3.73	3.40	3.25	2.54	2.24	2.54	4.67	4.99	4.47	4.50	4.60	3.90
4	3.72	3.42	3.23	2.53	2.22	2.53	4.60	4.98	4.46	4.45	4.55	3.89
5	3.70	3.43	3.19	2.52	2.21	2.51	4.54	4.94	4.41	4.37	4.50	3.89
6	3.69	3.43	3.17	2.50	2.20	2.49	4.76	4.86	4.36	4.35	4.47	3.87
7	3.69	3.43	3.15	2.49	2.19	2.48	4.78	4.85	4.41	4.30	4.43	3.86
8	3.67	3.44	3.13	2.47	2.16	2.47	4.75	5.44	4.53	4.25	4.39	3.86
9	3.65	3.45	3.11	2.46	2.16	2.46	4.69	5.38	4.82	4.19	4.37	3.89
10	3.64	3.44	3.08	2.47	2.15	2.46	4.59	5.18	4.92	....	....	3.87

G595--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	3.62	3.44	3.05	2.46	2.14	2.86	4.51	5.02	4.94	....	....	3.86
12	3.61	3.44	3.02	2.45	2.13	4.68	4.44	4.97	4.94	....	....	3.87
13	3.59	3.42	3.01	2.44	2.11	4.69	4.39	4.91	4.93	....	....	3.90
14	3.53	3.43	2.98	2.43	2.08	4.53	4.36	4.81	4.98	....	....	3.90
15	3.49	3.42	2.96	2.42	2.07	4.41	4.30	4.80	4.98	....	....	4.00
16	3.47	3.41	2.94	2.42	2.05	4.73	4.29	4.76	4.95	....	....	3.98
17	3.42	3.41	2.92	2.39	2.07	4.99	4.18	5.08	4.89	....	....	3.95
18	3.41	3.42	2.90	2.40	2.11	5.02	4.13	5.27	4.89	....	....	3.93
19	3.39	3.41	2.88	2.39	2.34	5.28	4.08	5.15	4.92	....	....	3.93
20	3.37	3.40	2.84	2.38	2.45	5.28	4.04	4.97	4.92	....	....	3.90
21	3.35	3.39	2.81	2.37	2.51	5.15	4.07	4.82	4.91	....	....	3.88
22	3.33	3.38	2.78	2.37	2.54	5.07	4.07	4.70	4.87	....	....	3.86
23	3.32	3.36	2.76	2.36	2.56	5.06	4.23	4.60	4.82	....	....	3.84
24	3.31	3.35	2.74	2.35	2.58	5.02	4.33	4.55	4.85	....	....	3.82
25	3.31	3.33	2.72	2.34	2.58	4.93	4.33	....	4.88	....	....	3.80
26	3.31	3.32	2.70	2.33	2.58	4.88	4.26	....	4.88	5.14	....	3.80
27	3.35	3.31	2.68	2.32	2.58	4.81	4.21	....	4.86	5.09	....	3.79
28	3.36	3.29	2.66	2.31	2.56	4.81	4.35	....	4.80	5.02	4.01	3.80
29	3.37		2.64	2.29	2.54	4.86	4.37	....	4.73	4.95	4.01	3.89
30	3.38		2.62	2.27	2.52	4.87	4.46	4.35	4.66	4.88	3.99	3.91
31	3.38		2.60		2.52		4.48	4.30		4.80		3.91

G596. U. S. Geol. Survey. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 14, T. 55 S., R. 38 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 13 feet, cased to 11. Land-surface datum is 7.70 feet above msl. Highest water level 8.01 above msl, Oct. 25-26, 1949; lowest 3.16 above msl, May 28, 1952. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.42	7.09	6.46	5.31	4.45	4.12	6.80	....	....	7.00	e7.10	6.66
2	7.42	7.06	6.44	5.25	4.39	4.30	6.81	....	....	6.99	e7.08	6.65
3	7.42	7.05	6.41	5.20	4.34	4.31	6.76	....	....	6.98	e7.06	6.64
4	7.40	7.03	6.38	5.20	4.30	4.31	6.82	....	....	6.97	e7.04	6.62
5	7.38	7.01	6.36	5.18	4.24	4.29	6.86	....	....	7.04	e7.02	6.61
6	7.36	6.98	6.33	5.13	4.18	4.20	6.84	....	....	6.97	e7.00	6.61
7	7.35	6.95	6.30	5.10	4.16	4.12	6.78	....	....	6.91	e6.98	6.60
8	7.35	6.94	6.27	5.04	4.15	4.03	6.70	....	....	6.87	e6.96	6.67
9	7.34	6.93	6.23	5.45	4.14	3.95	....	....	....	6.82	e7.12	6.68
10	7.31	6.92	6.18	5.58	4.12	3.88	....	....	....	....	e7.34	6.66
11	e7.29	6.90	6.15	5.58	4.09	5.10	....	....	....	....	e7.32	6.58
12	e7.28	6.85	6.12	5.53	4.04	.42	....	....	....	....	e7.28	6.54
13	e7.26	6.83	6.09	5.44	3.99	e7.17	....	....	....	....	e7.25	6.65
14	e7.24	6.82	6.03	5.35	3.95	e7.10	....	....	....	....	e7.21	6.78
15	e7.22	6.82	6.02	5.27	3.90	e7.03	....	....	....	7.70	e7.17	6.78
16	e7.21	6.80	5.98	5.20	3.85	e6.96	....	....	....	7.55	e7.13	6.71
17	e7.19	6.79	5.96	5.15	3.85	e6.89	....	....	....	7.48	e7.10	6.64
18	e7.17	6.77	5.94	5.15	4.05	e6.84	....	....	....	7.54	e7.06	6.58
19	e7.15	6.76	5.84	5.12	4.25	e6.78	....	....	....	7.53	e7.02	6.56
20	e7.13	6.73	5.80	5.06	4.65	e6.73	....	....	7.19	7.43	e6.99	6.54
21	e7.12	6.65	5.76	4.99	4.65	e6.67	....	....	7.19	7.38	e6.95	6.50
22	e7.10	6.62	5.72	4.94	4.57	e6.61	....	....	7.14	7.37	e6.92	6.47
23	e7.08	6.59	5.68	4.90	4.48	e6.59	....	....	7.11	7.33	e6.88	6.46
24	e7.06	6.59	5.59	4.83	4.38	e6.60	....	....	7.31	7.31	e6.85	6.44
25	e7.05	6.59	5.58	4.77	4.30	e6.62	....	....	7.19	7.28	e6.81	6.42
26	e7.04	6.58	5.56	4.72	4.21	e6.64	6.37	....	7.14	7.25	e6.78	6.40
27	7.28	6.54	5.51	4.67	4.11	e6.75	6.52	....	7.11	e7.20	e6.74	e6.33
28	7.24	6.50	5.47	4.61	4.03	6.92	6.52	6.59	7.07	e7.18	6.77	6.46
29	7.18		5.40	4.55	3.95	6.93	....	....	7.06	e7.16	6.77	6.50
30	7.17		5.33	4.50	3.90	6.85	....	....	7.02	e7.14	6.69	6.42
31	7.12		5.33		3.82		....	....		e7.12		6.38

e Estimated.

G612. U. S. Geol. Survey. Tallahassee Rd., 0.5 mile south of North Canal. $SW\frac{1}{4}NW\frac{1}{4}$ sec. 23, T. 57 S., R. 39 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 19 feet, cased to 17. Land-surface datum is 3.90 feet above msl. Highest water level 3.40 above msl, Oct. 8, 1953; lowest 0.20 below msl, May 15, 1950. Records available: 1950-55.

G612--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	0.92	1.06	0.92	0.64	0.18	0.54	1.68	1.35	2.05	1.85	0.75	0.80
2	.93	.98	.93	.56	.50	.56	1.63	1.37	1.90	1.81	.58	.95
3	.96	.84	.90	.53	.57	.45	1.77	1.40	1.87	1.73	.55	1.06
4	.84	.98	.86	.50	.63	.35	1.67	1.43	1.80	1.70	.50	1.06
5	.79	1.03	.82	.42	.64	.24	1.64	1.38	1.78	1.70	.37	.95
6	.80	.90	.78	.33	.60	.17	1.99	1.37	2.09	1.67	1.00	1.12
7	.82	.86	.75	.27	.56	.13	1.84	1.45	2.24	1.70	1.17	1.18
8	.87	.92	.72	.22	.48	.09	1.72	2.20	2.56	1.68	1.24	1.29
9	.88	.97	.68	1.13	.41	.08	1.64	2.05	2.73	2.05	1.27	1.34
10	.90	.95	.67	1.15	.35	.02	1.52	1.77	2.57	1.92	1.20	1.34
11	.90	.87	.66	1.10	.27	2.24	1.62	1.65	2.28	2.53	1.15	.99
12	.92	.73	.64	1.00	.20	2.97	1.79	1.55	2.17	3.16	1.07	.70
13	.92	.71	.61	.90	.14	2.87	1.55	1.70	2.15	3.12	1.19	.68
14	.96	.68	.59	.80	.09	2.38	1.54	2.00	2.10	2.85	1.24	.65
15	1.06	.68	.62	.73	1.34	2.28	1.47	2.39	2.07	2.53	1.13	.64
16	1.10	.70	.57	.66	1.15	2.10	1.46	2.39	2.07	2.38	1.01	.56
17	1.14	.70	.52	.63	1.55	2.43	1.52	2.29	2.05	2.28	1.00	.60
18	1.19	.90	.50	.62	1.42	2.37	1.62	2.64	2.32	2.22	.94	.62
19	1.20	.94	.47	.56	1.63	1.94	1.65	2.57	2.29	2.13	1.00	.62
20	1.13	.93	.44	.47	1.63	1.73	1.73	2.35	2.31	1.95	1.08	.65
21	1.16	.88	.40	.44	1.27	2.19	1.75	2.22	2.25	1.85	1.09	.77
22	1.20	.90	.37	.42	1.05	2.18	1.75	2.10	2.08	1.81	.96	....
23	1.21	.97	.33	.42	.85	2.02	1.67	2.01	2.10	1.66	.98	....
24	1.13	.99	.31	.42	.55	1.77	1.60	1.98	2.23	1.53	1.05	....
25	1.12	1.02	.31	.37	.51	1.68	1.55	1.98	2.18	1.35	1.08	....
26	1.04	1.02	.27	.38	.43	1.79	1.47	1.85	1.96	1.03	1.10	....
27	1.02	....	.25	.35	.39	1.80	1.38	1.90	1.92	.80	1.24	.57
28	1.13	.97	.42	.28	.55	1.80	1.39	1.79	1.87	.68	1.24	e1.10
29	1.27		.74	.23	.28	1.83	1.42	1.71	1.78	.59	.93	1.25
30	1.28		.74	.23	.19	1.73	1.40	2.65	1.82	.62	.65	.94
31	1.15		.70		.39		1.37	2.41		.67		.70

e Estimated.

G613. U. S. Geol. Survey. NW¼SW¼ sec. 3, T. 58 S., R. 38 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 21 feet, cased to 18. Land-surface datum is 5.0 feet above msl. Highest water level 5.82 above msl, May 30, 1954; lowest 0.24 below msl, May 16, 1950. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.75	1.41	0.93	0.42	0.11	1.86	2.92	2.80	2.48	2.53	2.40	1.48
2	1.73	1.38	.91	.37	.18	1.83	2.89	2.76	2.48	2.50	2.35	1.47
3	1.70	1.35	.88	.32	.27	1.67	2.80	2.71	2.48	2.47	2.30	1.50
4	1.70	1.32	.85	.30	.35	1.50	2.76	2.69	2.45	2.42	2.27	1.50
5	1.67	1.30	.82	.24	.37	1.37	4.19	2.66	2.43	2.41	2.21	1.45
6	1.63	1.28	.79	.18	.38	1.24	4.19	2.70	2.77	2.35	2.16	1.45
7	1.61	1.27	.75	.13	.41	1.12	3.85	2.70	2.98	2.32	2.11	1.43
8	1.60	1.25	.72	.07	.42	1.02	3.46	2.73	3.32	2.27	2.08	1.44
9	1.57	1.23	.67	.65	.38	.93	3.37	2.72	3.57	2.43	2.09	1.45
10	1.55	1.21	.63	.85	.31	.83	3.31	2.67	3.57	2.60	2.10	1.46
11	1.63	1.20	.60	.88	.23	1.65	3.32	2.61	3.40	3.25	2.05	1.45
12	1.51	1.16	.57	.87	.14	3.64	3.24	2.55	3.25	3.44	2.01	1.44
13	1.48	1.12	.53	.80	.06	3.35	3.11	2.84	3.14	3.42	1.98	1.44
14	1.45	1.09	.50	.78	.00	3.07	3.02	2.94	3.10	3.36	1.94	1.43
15	1.43	1.07	.47	.70	.35	2.90	2.92	2.93	3.03	3.24	1.90	1.42
16	1.42	1.04	.44	.70	.70	2.95	3.00	2.90	2.97	3.13	1.88	1.35
17	1.41	1.30	.40	.77	.95	3.21	3.00	3.52	2.90	3.06	1.84	1.33
18	1.40	1.32	.37	.79	1.04	3.20	2.91	3.77	2.85	3.00	1.82	1.30
19	1.41	1.30	.34	.78	1.60	3.15	2.86	3.55	2.80	2.93	1.78	1.27
20	1.37	1.24	.30	.74	1.67	3.08	2.93	3.33	2.77	2.84	1.77	1.25
21	1.35	1.19	.27	.67	1.67	3.30	2.93	3.17	2.77	2.79	1.75	1.23
22	1.36	1.13	.23	.61	1.63	3.40	2.87	3.04	2.75	2.74	1.72	1.22
23	1.35	1.09	.20	.56	1.58	3.33	2.82	2.94	2.75	e2.72	1.69	1.23
24	1.37	1.06	.17	.51	1.50	3.20	2.76	2.87	2.73	e2.67	1.66	1.22
25	1.37	1.03	.15	.45	1.40	3.08	2.74	2.82	2.73	e2.61	1.63	1.20

G613--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	1.33	1.00	.11	.40	1.33	3.00	2.82	2.74	2.70	2.61	1.62	1.17
27	1.33	.98	.07	.35	1.25	2.93	2.82	2.70	2.66	2.60	1.61	1.14
28	1.34	.98	.40	.30	1.15	2.95	2.91	2.64	2.62	2.57	1.57	1.32
29	1.43		.48	.23	1.05	2.92	2.92	2.58	2.57	2.52	1.53	1.43
30	1.46		.48	.17	1.31	2.89	2.89	2.52	2.53	2.53	1.51	1.45
31	1.44		.46		1.74		2.80	2.48		2.49		1.43

e Estimated.

G614. U. S. Geol. Survey. Southeast corner of Newton Rd. and Silver Palm Dr. $NW\frac{1}{4}NW\frac{1}{4}$ sec. 21, T. 56 S., R. 39 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 20 feet, cased to 18. Land-surface datum is 11.10 feet above msl. Highest water level 8.83 above msl, Oct. 8, 1953; lowest 1.30 above msl, May 22, 1950. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.52	3.11	2.71	1.92	1.74	1.98	5.86	4.64	4.70	4.96	5.01	3.60
2	3.51	3.12	2.69	1.91	1.73	1.99	5.77	4.64	4.69	4.87	4.93	3.58
3	3.49	3.12	2.67	1.89	1.70	2.01	5.66	4.63	4.70	4.79	4.83	3.55
4	3.46	3.12	2.65	1.88	1.67	2.01	5.55	4.62	4.71	4.71	4.75	3.53
5	3.45	3.10	2.61	1.85	1.65	2.02	5.44	4.60	4.70	4.64	4.67	3.51
6	3.42	3.09	2.60	1.83	1.63	2.02	5.46	4.58	4.66	4.58	4.60	3.49
7	3.39	3.07	2.57	1.79	1.61	2.01	5.47	4.59	4.66	4.51	4.52	3.47
8	3.37	3.06	2.54	1.77	1.60	2.00	5.46	4.62	4.77	4.45	4.45	3.45
9	3.35	3.04	2.51	1.79	1.59	1.97	5.38	4.65	4.98	4.38	4.37	3.43
10	3.34	3.02	2.48	1.85	1.57	1.95	5.30	4.67	5.12	4.32	4.32	3.41
11	3.30	3.01	2.45	1.91	1.55	1.96	5.21	4.67	5.19	5.00	4.31	3.40
12	3.29	2.99	2.43	1.95	1.53	2.29	5.15	4.66	5.21	6.64	4.29	3.40
13	3.27	2.98	2.40	1.97	1.51	2.76	5.10	4.62	5.21	6.88	4.26	3.38
14	3.25	2.96	2.36	1.99	1.50	3.10	5.04	4.67	5.18	6.89	4.23	3.37
15	3.22	2.94	2.33	1.99	1.48	3.39	4.98	4.88	5.13	6.86	4.20	3.35
16	3.20	2.92	2.30	1.99	1.48	3.70	4.90	5.09	5.06	6.78	4.15	3.33
17	3.18	2.90	2.27	1.99	1.51	4.03	4.85	5.14	5.00	6.69	4.11	3.31
18	3.17	2.88	2.25	1.99	1.56	4.47	4.85	5.38	4.93	6.55	4.06	3.29
19	3.15	2.87	2.23	1.98	1.65	4.73	4.83	5.54	5.13	6.45	4.02	3.27
20	3.13	2.85	2.20	1.97	1.78	4.90	4.81	5.55	5.37	6.32	3.98	3.24
21	3.12	2.84	2.16	1.95	1.90	5.06	4.80	5.53	5.46	6.19	3.94	3.22
22	3.10	2.82	2.14	1.93	1.98	5.25	4.79	5.45	5.47	6.09	3.89	3.19
23	3.09	2.80	2.10	1.92	2.03	5.36	4.77	5.37	5.47	5.96	3.84	3.17
24	3.08	2.79	2.07	1.90	2.06	5.50	4.73	5.28	5.42	e5.82	3.80	3.16
25	3.05	2.77	2.04	1.87	2.06	5.51	4.71	5.16	5.39	e5.72	3.75	3.14
26	3.05	2.75	2.02	1.84	2.07	5.49	4.70	5.08	5.34	5.60	3.71	3.12
27	3.05	2.73	1.98	1.84	2.07	5.48	4.66	4.98	5.27	5.52	3.68	3.10
28	3.05	2.72	1.94	1.83	2.07	5.78	4.63	4.91	5.19	5.41	3.65	3.09
29	3.05		1.95	1.80	2.04	5.87	4.60	4.81	5.11	5.31	3.63	3.06
30	3.07		1.94	1.77	2.02	5.88	4.60	4.72	5.04	5.21	3.62	3.05
31	3.10		1.94		1.99		4.62	4.69		5.12		3.04

e Estimated.

G615. U. S. Geol. Survey. $NW\frac{1}{4}SE\frac{1}{4}$ sec. 6, T. 52 S., R. 41 E. Drilled observation water-table well in sand of Biscayne aquifer, diameter 6 inches, depth 24 feet, cased to 22, gravel packed 17-24. Land-surface datum is 6.50 feet above msl. Highest water level 6.65 above msl, Nov. 24, 1950; lowest 0.87 above msl, May 16, 1955. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.08	2.16	1.88	1.46	1.05	1.47	3.40	3.73	2.20	2.13	2.93	2.65
2	2.10	2.16	1.88	1.45	1.03	1.46	3.30	3.73	2.22	2.10	2.92	2.64
4	2.12	2.13	1.88	1.45	1.02	1.46	3.29	3.83	2.22	2.08	2.91	2.62
4	2.15	2.10	1.85	1.44	1.01	1.47	3.23	3.68	2.20	2.06	2.90	2.63
5	2.15	2.10	1.85	1.43	1.00	1.46	3.45	3.47	2.18	2.03	2.89	2.63
6	2.13	2.10	1.82	1.43	.99	1.45	3.97	3.33	2.17	2.03	2.88	2.62
7	2.08	2.07	1.82	1.42	.97	1.43	3.96	3.22	2.17	2.02	2.87	2.62
8	2.06	2.10	1.78	1.41	.96	1.40	3.72	3.13	2.34	2.02	2.85	2.74
9	2.05	2.13	1.76	1.40	.95	1.37	3.52	3.07	2.50	2.00	2.93	2.77
10	2.03	2.13	1.74	1.39	.95	1.34	3.38	3.02	2.62	1.98	3.02	2.77
11	2.02	2.10	1.73	1.39	.95	1.45	3.27	2.95	2.65	2.13	3.02	2.74
12	2.02	2.06	1.72	1.38	.93	2.00	3.20	2.86	2.67	4.27	3.00	2.71
13	2.04	2.02	1.70	1.38	.92	2.42	3.15	2.78	2.67	4.62	2.97	2.71
14	2.06	2.00	1.68	1.37	.90	2.63	3.12	2.74	2.65	4.62	2.93	2.74
15	2.07	1.98	1.67	1.36	.89	2.70	3.10	2.68	2.62	4.20	2.90	2.77

G615--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	2.08	1.98	1.65	1.35	0.88	2.76	3.05	2.64	2.57	3.92	2.87	2.77
17	2.09	1.96	1.63	1.32	.94	2.85	2.99	2.59	2.50	3.74	2.83	2.75
18	2.10	1.96	1.62	1.31	1.12	3.75	2.95	2.55	2.46	3.83	2.82	2.72
19	2.11	1.96	1.60	1.30	1.30	4.04	2.90	2.52	2.42	3.80	2.80	2.70
20	2.11	1.96	1.58	1.29	1.50	4.02	2.86	2.50	2.38	3.57	2.78	2.67
21	2.11	1.95	1.57	1.26	1.60	3.88	2.85	2.47	2.33	3.47	2.77	2.66
22	2.10	1.95	1.55	1.25	1.63	3.88	2.86	2.43	2.27	3.40	2.75	2.64
23	2.10	1.94	1.53	1.23	1.65	3.80	2.83	2.40	2.25	3.33	2.73	2.62
24	2.10	1.94	1.52	1.20	1.66	3.68	2.85	2.36	2.27	3.27	2.72	2.61
25	2.12	1.94	1.50	1.18	1.66	4.16	2.85	2.43	2.31	3.18	2.70	2.60
26	2.14	1.92	1.50	1.17	1.66	4.17	2.80	2.43	2.32	3.11	2.70	2.60
27	2.14	1.90	1.50	1.15	1.65	4.00	2.77	2.40	2.32	3.05	2.69	2.58
28	2.16	1.90	1.49	1.12	1.62	3.75	2.78	2.35	2.27	3.00	2.68	2.75
29	2.17		1.48	1.10	1.58	3.72	3.58	2.32	2.22	2.96	2.67	2.86
30	2.18		1.47	1.08	1.52	3.57	3.82	2.25	2.18	2.95	2.67	2.90
31	2.18		1.46		1.48		3.83	2.23		2.95		2.90

G618. U. S. Geol. Survey. On U. S. Highway 41. NE¼NE¼ sec. 12, T. 54 S., R. 37 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 20 feet, cased to 11. Land-surface datum is 7.40 feet above msl. Highest water level 8.55 above msl, Nov. 17, 1953; lowest 3.49 above msl, June 5, 1951. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.88	7.45	7.00	6.40	5.81	5.15	6.48	6.60	7.03	7.31	7.31	7.00
2	7.87	7.43	6.99	6.39	5.73	5.15	6.49	6.85	7.08	7.30	7.30	7.00
3	7.86	7.42	6.98	6.38	5.67	5.08	6.53	6.95	7.08	7.28	7.28	7.00
4	7.84	7.40	6.95	6.38	5.62	4.97	6.57	6.95	7.08	7.28	7.27	7.00
5	7.83	7.38	6.94	6.38	5.62	4.84	6.59	6.95	7.06	7.27	7.26	7.00
6	7.81	7.36	6.93	6.35	5.53	4.72	6.59	7.03	7.08	7.26	7.25	6.98
7	7.80	7.35	6.90	6.33	5.52	4.62	6.59	7.03	7.31	7.25	7.23	6.97
8	7.78	7.33	6.88	6.31	5.43	4.54	6.58	7.00	7.36	7.23	7.22	6.96
9	7.77	7.32	6.85	6.42	5.37	4.44	6.56	7.00	7.38	7.22	7.20	6.95
10	7.75	7.31	6.83	6.42	5.28	4.37	6.54	6.99	7.38	7.21	7.20	6.94
11	7.73	7.30	6.81	6.42	5.20	6.00	6.52	6.97	7.40	7.20	7.20	6.93
12	7.71	7.28	6.79	6.39	5.10	6.14	6.52	6.95	7.40	7.35	7.21	6.95
13	7.70	7.25	6.78	6.36	5.01	6.19	6.52	6.93	7.40	7.40	7.21	6.95
14	7.68	7.23	6.76	6.34	4.86	6.24	6.52	6.93	7.40	7.43	7.21	6.95
15	7.66	7.22	6.74	6.32	4.88	6.29	6.50	6.93	7.40	7.43	7.21	6.95
16	7.65	7.20	6.72	6.32	4.88	6.35	6.49	6.93	7.38	7.43	7.20	6.95
17	7.63	7.18	6.70	6.32	5.00	6.39	6.48	6.93	7.38	7.43	7.20	6.94
18	7.61	7.18	6.69	6.32	5.11	6.42	6.47	6.93	7.38	7.43	7.18	6.93
19	7.60	7.16	6.66	6.30	5.26	6.42	6.48	6.93	7.38	7.43	7.17	6.92
20	7.59	7.15	6.65	6.27	5.26	6.43	6.49	6.93	7.38	7.43	7.16	6.90
21	7.57	7.14	6.62	6.25	5.20	6.43	6.50	6.92	7.37	7.43	7.14	6.88
22	7.55	7.12	6.60	6.22	5.10	6.45	6.50	6.91	7.37	7.43	7.13	6.87
23	7.54	7.10	6.59	6.19	5.01	6.46	6.50	6.90	7.35	7.42	7.12	6.86
24	7.53	7.09	6.56	6.16	4.88	6.47	6.50	6.89	7.35	7.41	7.11	6.85
25	7.53	7.07	6.55	6.12	4.78	6.47	6.50	6.89	7.35	7.40	7.10	6.83
26	7.53	7.05	6.53	6.08	4.67	6.47	6.53	6.89	7.35	7.38	7.08	6.82
27	7.51	7.03	6.51	6.05	4.66	6.47	6.53	6.89	7.35	7.37	7.07	6.81
28	7.50	7.02	6.50	5.99	4.60	6.47	6.54	6.89	7.34	7.36	7.06	6.81
29	7.49		6.47	5.94	4.52	6.47	6.57	6.89	7.33	7.34	7.05	6.82
30	7.48		6.46	5.87	4.48	6.48	6.58	6.94	7.32	7.33	7.03	6.82
31	7.47		6.45		4.53		6.59	6.94		7.33		6.81

G619. U. S. Geol. Survey. On U. S. Highway 41. NW¼ sec. 19, T. 54 S., R. 36 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 12 feet, cased to 6. Land-surface datum is 7.20 feet above msl. Highest water level 8.38 above msl, Oct. 2, 1954; lowest 4.77 above msl, June 6, 1951. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.03	7.90	7.63	6.40	5.81	6.36	7.44	7.87	7.85	7.93	7.85	7.73
2	8.03	7.89	7.60	6.35	5.74	6.36	7.41	7.90	7.84	7.92	7.84	7.73
3	8.03	7.88	7.60	6.60	5.70	6.27	7.37	7.92	7.90	7.91	7.84	7.73
4	8.03	7.88	7.58	6.60	5.98	6.18	7.34	7.95	7.90	7.90	7.83	7.72
5	8.02	7.86	7.57	6.57	6.00	6.05	7.28	7.97	7.90	7.90	7.82	7.72

G619--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	8.01	7.85	7.55	6.48	6.00	5.93	7.28	7.97	7.93	7.89	7.81	7.72
7	8.00	7.84	7.51	6.42	6.00	5.84	7.27	7.92	8.05	7.88	7.81	7.72
8	8.00	7.83	7.50	6.58	5.98	5.75	7.25	7.89	8.12	7.88	7.80	7.71
9	8.00	7.83	7.46	6.93	5.85	5.68	7.19	7.95	8.17	7.87	7.81	7.71
10	8.00	7.83	7.43	6.93	5.75	5.57	7.19	7.94	8.15	7.87	7.82	7.70
11	8.00	7.83	7.40	6.85	5.65	6.99	7.19	7.90	8.10	7.87	7.82	7.70
12	7.99	7.83	7.37	6.78	5.55	7.38	7.30	7.87	8.08	7.91	7.82	7.70
13	7.99	7.82	7.35	6.69	5.47	7.39	7.30	7.85	8.06	7.98	7.82	7.71
14	7.98	7.80	7.31	6.65	5.70	7.39	7.30	7.85	8.05	7.98	7.82	7.72
15	7.97	7.80	7.27	6.65	6.30	7.40	7.26	7.85	8.04	7.95	7.82	7.72
16	7.97	7.79	7.23	6.67	6.35	7.45	7.23	7.83	8.02	7.93	7.82	7.72
17	7.95	7.78	7.19	6.83	6.53	7.45	7.30	7.83	8.01	7.93	7.81	7.71
18	7.95	7.78	7.14	6.85	6.95	7.54	7.35	7.83	8.01	7.91	7.81	7.71
19	7.94	7.77	7.10	6.80	7.12	7.54	7.36	7.83	8.00	7.91	7.80	7.70
20	7.94	7.76	7.02	6.72	7.12	7.57	7.67	7.83	8.00	7.90	7.79	7.70
21	7.94	7.75	6.95	6.65	7.09	7.60	7.80	7.83	8.00	7.90	7.78	7.69
22	7.93	7.75	6.89	6.58	7.07	7.60	7.80	7.81	8.00	7.89	7.77	7.68
23	7.91	7.73	6.83	6.50	7.02	7.60	7.80	7.80	8.00	7.88	7.77	7.67
24	7.92	7.72	6.78	6.43	6.92	7.56	7.78	7.79	8.00	7.88	7.76	7.67
25	7.91	7.70	6.73	6.33	6.81	7.53	7.77	7.79	8.00	7.88	7.75	7.67
26	7.91	7.68	6.67	6.25	6.70	7.50	7.76	7.78	7.98	7.87	7.75	7.66
27	7.91	7.67	6.61	6.18	6.59	7.48	7.76	7.78	7.97	7.87	7.75	7.65
28	7.91	7.65	6.61	6.08	6.47	7.49	7.79	7.78	7.96	7.87	7.75	7.65
29	7.91		6.61	6.00	6.39	7.49	7.82	7.80	7.95	7.85	7.75	7.65
30	7.91		6.57	5.90	6.41	7.49	7.84	7.85	7.94	7.85	7.74	7.66
31	7.90		6.48		6.40		7.85	7.85		7.85		7.66

G620. Owner unknown. Sec. 30, T. 55 S., R. 36 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 16 feet, cased to 6. Land-surface datum is 6.13 feet above msl. Highest water level 7.11 above msl, Oct. 2-3, 1954; lowest 3.57 above msl, May 26, 1952. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.52	6.28	5.93	5.21	4.81	4.60	5.90	5.91	5.82	6.07	5.95	5.78
2	6.52	6.27	5.91	5.17	4.82	4.60	5.85	5.90	5.80	6.04	5.93	5.78
3	6.51	6.26	5.90	....	4.82	4.55	5.81	6.02	5.79	6.02	5.92	5.78
4	6.50	6.25	5.89	....	4.80	4.43	5.78	6.11	5.78	6.00	5.91	5.77
5	6.49	6.23	5.87	....	4.77	4.32	5.77	6.11	5.77	5.98	5.90	5.77
6	6.48	6.21	5.86	....	4.73	4.23	5.77	6.11	5.81	5.96	5.89	5.77
7	6.47	6.20	5.85	....	4.68	4.38	5.77	6.11	6.20	5.94	5.88	5.76
8	6.46	6.19	5.84	....	4.63	4.38	5.76	6.10	6.40	5.93	5.86	5.75
9	6.45	6.18	5.83	....	4.57	4.32	5.73	6.08	6.45	5.91	5.92	5.75
10	6.44	6.17	5.81	....	4.50	4.21	5.71	6.03	6.45	5.90	5.92	5.75
11	6.43	6.15	5.79	....	4.43	5.50	5.70	6.00	6.44	5.92	5.92	5.74
12	6.42	6.15	5.77	....	4.37	5.66	5.78	5.96	6.43	5.98	5.91	5.80
13	6.41	6.13	5.76	....	4.28	5.66	5.78	5.94	6.42	6.06	5.90	5.80
14	6.40	6.11	5.75	....	4.35	5.65	5.76	5.92	6.38	6.06	5.90	5.79
15	6.38	6.10	5.74	....	4.38	5.65	5.74	5.91	6.35	6.05	5.89	5.79
16	6.36	6.09	5.72	....	4.38	5.79	5.73	5.89	6.31	6.04	5.88	5.78
17	6.35	6.08	5.70	....	4.39	5.84	5.72	5.88	6.28	6.04	5.87	5.77
18	6.35	6.08	5.69	....	4.51	5.97	5.72	5.95	6.25	6.03	5.87	5.76
19	6.34	6.07	5.67	....	....	5.99	5.72	5.92	6.23	6.03	5.86	5.75
20	6.33	6.05	5.65	....	....	6.03	5.90	5.90	6.23	6.03	5.85	5.75
21	6.31	6.04	5.60	....	....	6.02	5.95	5.87	6.37	6.03	5.84	5.74
22	6.30	6.02	5.57	....	....	6.20	5.93	5.85	6.37	6.03	5.83	5.74
23	6.30	6.01	5.53	....	....	6.15	5.93	5.83	6.28	6.02	5.82	5.73
24	6.33	6.00	5.51	....	....	6.08	5.93	5.81	6.24	6.02	5.81	5.73
25	6.33	5.99	5.48	....	....	6.03	5.90	5.80	6.22	6.01	5.80	5.73
26	6.32	5.97	5.45	....	4.72	6.00	5.88	5.80	6.20	6.00	5.80	5.72
27	6.32	5.96	5.38	5.01	4.70	5.97	5.85	5.79	6.17	5.98	5.79	5.71
28	6.31	5.95	5.34	5.00	4.60	5.95	5.94	5.77	6.14	5.97	5.84	5.70
29	6.30		5.33	4.93	4.56	5.91	5.93	5.90	6.12	5.96	5.83	5.72
30	6.30		5.31	4.87	4.58	5.90	5.95	5.89	6.09	5.96	5.80	5.72
31	6.29		5.27		4.60		5.93	5.85		5.96		5.72

S18. Model Dairy. NW¼NW¼ sec. 15, T. 52 S., R. 41 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 8 inches, depth 52 feet. Land-surface datum is 9.12 feet above msl. Highest water level 7.54 above msl, Oct. 12, 1947; lowest 0.05 above msl, June 3, 1945. Records available: 1939-55.

Daily highest water level, above msl, from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Oct.	Dec.
1	0.89	1.12	0.97	....	0.61	....	....	....	....
2	.91	1.08	.95	....	.61	....	....	....	....
3	.91	1.06	.92	....	.60	....	....	....	....
4	.91	1.06	.91	....	.59	....	....	....	....
5	.92	1.11	e.90	....	.60	....	....	....	....
6	e.94	1.15	e.89	....	.61	....	....	....	....
7	e.95	1.14	e.88	....	.60	....	....	....	....
8	e.96	1.14	e.86	....	.62	....	....	....	....
9	e.98	1.13	e.85	....	.63	....	....	....	....
10	e.99	1.12	e.84	....	.62	....	....	....	....
11	e1.01	1.11	e.83	....	.61	....	....	....	....
12	e1.02	1.04	e.81	....	.60	....	....	....	....
13	e1.03	.96	e.80	....	.59	....	....	....	....
14	1.06	.96	e.79	....	.55	....	....	....	....
15	1.06	.94	e.78	....	.54	....	....	....	....
16	1.09	.94	e.76	....	.55	....	....	....	....
17	1.10	.95	e.75	....	.72	....	....	....	....
18	1.11	.96	.74	....	e.85	....	....	....	....
19	1.13	.98	.75	....	e1.00	....	....	....	....
20	1.06	.98	.75	....	e1.07	....	....	....	....
21	1.09	1.00	.75	....	e1.18	....	....	....	....
22	1.11	1.00	.76	0.67	e1.30	....	....	....	....
23	1.14	1.02	.75	.68	e1.29	....	....	....	....
24	1.18	1.02	.78	.67	e1.28	....	....	....	....
25	1.13	1.00	.81	.67	e1.28	....	....	....	....
26	1.11	1.01	.81	.66	e1.28	....	....	h2.44	....
27	1.16	.99	e.82	.65	1.28	....	h2.10	....	2.06
28	1.19	.98	e.80	.63	....	h2.79	....	....	....
29	1.21		e.79	.62	....	....	....	....	....
30	1.20		e.78	.62	....	....	....	....	....
31	1.16		e.76		....		....	....	....

* No record for August, September, and November.
e Estimated.
h Tape measurement.

S19. City of Miami. NW¼NE¼ sec. 25, T. 53 S., R. 40 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 95 feet, cased to 91. Land-surface datum is 7.24 feet above msl. Highest water level 7.63 above msl, Oct. 11, 1947; lowest 1.41 below msl, June 18-21, 1945. Records available: 1939-55.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.89	+0.80	+0.58	....	+0.77	+1.24	+1.64	+1.48	+1.28	+1.46	+1.50	+0.88
2	.94	.70	.44	-0.19	.83	1.23	1.55	1.46	1.41	1.58	1.40	.89
3	.93	.67	.33	....	.91	1.20	1.47	1.44	1.35	1.59	1.36	.92
4	.90	.63	.33	....	.96	1.18	1.45	1.46	1.34	1.51	1.23	.92
5	.81	.61	.33	....	1.04	1.20	1.66	1.38	1.34	1.50	1.17	.89
6	.75	.61	.29	....	1.08	1.21	2.17	1.28	1.33	1.36	1.20	.89
7	.78	.66	.32	....	1.09	1.16	2.21	1.27	1.36	1.30	1.22	.95
8	.89	.57	.24	.24	1.13	1.13	2.00	1.39	1.52	1.30	1.22	1.00
9	.81	.64	.26	-.07	1.13	1.18	1.93	1.42	1.78	1.31	1.18	1.05
10	.83	.53	.18	+.13	1.10	1.12	1.73	1.42	1.84	1.31	1.24	1.05
11	.87	.47	.13	.24	1.09	e2.10	1.46	1.26	1.79	....	1.24	1.09
12	.81	.47	.11	.24	1.08	....	1.33	1.14	1.73	....	1.22	1.10
13	.80	.44	.11	+.01	1.08	e2.35	1.21	1.06	1.65	....	1.17	1.04
14	.74	.43	.12	.00	.94	2.31	1.14	1.15	1.62	....	1.08	1.06
15	.65	.42	.05	....	.91	2.13	1.06	1.20	1.65	....	1.02	1.06
16	.60	.38	+.02	....	.95	1.90	.93	1.20	1.67	....	1.02	.93
17	.58	.50	-.02	....	1.15	1.73	.88	1.26	1.60	....	.98	.88
18	.60	.55	.03	....	1.23	1.68	.85	1.26	1.78	....	.92	.87
19	.63	.54	.02	....	1.26	1.98	.84	1.19	1.85	....	1.01	....
20	.69	.66	.10	....	1.27	2.01	.90	1.16	1.83	....	1.03	....

S19--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	+0.73	+0.68	-0.08	+0.13	+1.25	+2.09	+1.24	+1.10	+1.83	....	+1.01	....
22	.75	.59	.06	.21	1.17	2.29	1.31	1.09	1.79	....	.98	....
23	.81	.66	.04	.25	1.28	2.29	1.31	1.0	1.75	....	.94	....
24	.85	.56	.07	.31	1.35	2.24	1.49	1.03	1.74	....	.93	....
25	.90	.51	.03	.32	1.39	2.05	1.52	1.05	1.79	....	.92	....
26	.92	.59	.07	.28	1.40	1.82	1.51	1.04	1.75	e+1.72	.99	....
27	.80	.64	.11	.37	1.35	1.66	1.30	1.05	1.74	1.64	e+1.04	+0.58
28	.74	.65	.07	.50	1.27	1.60	1.22	1.11	1.70	1.57	1.04	.61
29	.95		....	.60	1.24	1.67	1.40	1.12	1.52	1.51	.99	.75
30	1.02		....	.70	1.20	1.65	1.49	.99	1.49	1.52	.93	.84
31	.95		....		1.24		1.50	.91		1.52		.87

e Estimated.

S68. City of Miami. In center of Parkway, 75 feet northeast of Deer Run, Miami Springs. SW¼NW¼ sec. 19, T. 53 S., R. 41 E. Drilled observation water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 61 feet, cased to 51. Land-surface datum is 6.45 feet above msl. Highest water level 7.06 above msl, Oct. 12, 1947; lowest 2.38 below msl, June 17, 1945. Records available: 1940-55. Affected by nearby wells being pumped.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-0.23	-0.24	-0.61	-1.13	-0.26	+0.39	+0.70	+0.71	+0.14	+0.53	+0.38	-0.26
2	.22	.30	.73	1.30	.34	+.32	.57	.72	.16	.66	.52	.22
3	.39	.60	.77	1.32	.35	-.02	.74	.61	.46	.66	.34	.03
4	.43	.60	.87	1.15	.13	.09	.76	.45	.39	.60	.30	.09
5	.33	.29	.77	1.21	.17	.14	.79	.38	.28	.48	.15	.20
6	.37	.47	.82	1.32	.18	.13	1.07	.32	.35	.33	+.16	.22
7	.22	.43	.94	1.29	.25	.17	1.33	.27	.33	.32	-.03	.02
8	.31	.55	1.03	1.35	.18	.21	1.25	.28	.39	.20	-.04	-.03
9	.34	.16	1.07	1.34	.08	.22	1.07	.45	.63	.31	+.08	+.17
10	.35	.23	1.04	1.27	.30	.18	.79	.36	.78	.33	.20	.16
11	.32	.60	.95	1.19	.40	-.04	.73	.26	1.15	.31	.50	.19
12	.34	.61	1.03	1.24	.52	+.99	.63	.23	.71	1.01	.43	.08
13	.48	.52	1.15	1.12	.52	1.48	.55	.24	.70	1.60	.35	.11
14	.49	.55	1.13	1.07	.38	1.42	.42	.32	.60	1.60	.43	.42
15	.40	.47	1.23	1.32	.15	1.18	.13	.51	.73	1.90	.32	.20
16	.30	.50	1.27	1.28	-.15	1.10	+.02	.32	.64	1.46	.16	.10
17	.37	.58	1.30	1.00	+.07	1.26	-.07	.12	.71	1.54	.02	.07
18	.39	.74	1.27	1.06	.24	1.31	.13	.02	.84	1.81	.08	+.03
19	.40	.72	1.22	1.14	.16	1.65	-.13	.15	.87	1.69	.10	-.13
20	.40	.30	1.27	1.14	.20	1.48	+.11	.14	1.08	1.29	.13	-.17
21	.39	.47	1.12	1.10	.21	1.36	.22	.08	.61	1.17	+.06	+.04
22	.34	.51	1.19	1.10	.27	1.36	.32	.02	.62	1.03	0.00	-.11
23	.14	.32	1.21	1.12	.28	1.27	.23	.03	.62	.92	-.08	.13
24	-.28	.62	1.17	1.14	.27	1.15	.56	.28	.75	.89	.19	.11
25	0.00	.47	1.03	.96	.28	.95	.58	.25	.83	.87	.19	.15
26	+.03	.41	1.24	1.04	.20	.81	.50	.18	.87	1.35	.14	.15
27	-.09	.40	1.32	.90	.16	.74	.23	.13	.80	1.06	.13	.16
28	.26	.56	1.26	.88	.30	.68	.17	.13	.76	1.00	.12	.29
29	.27		.86	.86	.24	.80	.36	+.13	.86	.96	.10	-.25
30	-.08		1.05	.51	.23	1.02	.68	-.06	.56	.92	.18	+.09
31	+.07		1.14		.32		.75	.04		.76		.20

S182. International Fruit Co. NW¼NW¼ sec. 5, T. 56 S., R. 40 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 6 inches, depth 51 feet. Land-surface datum is 11.14 feet above msl. Highest water level 10.06 above msl, Oct. 5, 1948; lowest 0.44 below msl, June 20-22, 1945. Records available: 1940-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.55	3.02	2.66	2.05	1.94	2.31	5.43	6.01	4.93	4.80	5.73	e4.07
2	3.53	3.02	2.65	2.04	1.91	2.39	5.38	5.97	4.92	4.75	5.65	e4.05
3	3.50	3.01	2.64	2.03	1.89	2.43	5.32	5.91	4.88	4.70	5.55	e4.03
4	3.47	3.00	2.62	2.00	1.86	2.45	5.23	5.80	4.85	4.68	5.48	e4.02
5	3.45	2.98	2.60	1.99	1.85	2.45	5.16	5.71	4.80	4.64	5.38	e4.00
6	3.43	2.98	2.57	1.97	1.83	2.45	5.50	5.60	4.76	4.60	5.32	e3.98
7	3.40	2.98	2.55	1.96	1.80	2.45	5.50	5.55	4.81	4.54	5.25	e3.96
8	3.38	2.97	2.54	1.95	1.79	2.45	5.49	5.47	4.83	4.49	5.15	e3.94
9	3.35	2.96	2.52	2.38	1.78	2.42	5.42	5.43	4.99	4.43	5.08	e3.92
10	3.33	2.95	2.48	2.67	1.76	2.39	5.35	5.38	5.04	4.38	5.10	e3.90

S182--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	3.31	2.93	2.47	2.68	1.75	2.53	5.25	5.30	5.04	4.65	5.08	e3.88
12	3.30	2.92	2.45	2.68	1.73	3.80	5.30	5.23	5.04	6.89	5.00	e3.85
13	3.26	2.90	2.42	2.68	1.71	4.30	5.28	5.42	5.03	7.03	4.95	e3.83
14	3.25	2.88	2.39	2.64	1.68	4.43	5.22	5.42	5.00	7.04	4.88	e3.82
15	3.23	2.86	2.37	2.60	1.66	4.78	5.12	5.37	4.97	7.04	4.82	e3.80
16	3.20	2.85	2.35	2.55	1.65	5.04	5.03	5.27	4.92	6.99	4.77	e3.77
17	3.18	2.83	2.33	2.50	1.70	5.28	4.94	5.20	4.87	6.93	4.72	e3.7
18	3.14	2.83	2.30	2.44	1.88	5.59	4.87	5.20	4.83	6.84	4.65	e3.73
19	3.14	2.83	2.28	2.40	2.05	5.80	4.80	5.26	4.85	6.82	4.60	e3.70
20	3.13	2.82	2.26	2.35	2.18	5.83	4.73	5.26	4.97	6.73	4.55	e3.68
21	3.11	2.82	2.23	2.30	2.24	5.83	4.93	5.26	4.98	6.65	4.48	e3.65
22	3.10	2.80	2.20	2.25	2.26	5.85	4.95	5.23	4.99	6.54	4.41	e3.63
23	3.08	2.79	2.18	2.21	2.26	5.85	4.98	5.18	4.99	6.43	4.37	e3.60
24	3.05	2.77	2.15	2.17	2.26	5.75	5.00	5.26	4.99	6.36	4.31	e3.58
25	3.01	2.74	2.15	2.14	2.26	5.67	5.00	5.31	4.99	6.27	4.27	e3.55
26	2.98	2.72	2.14	2.09	2.26	5.59	4.95	5.30	4.99	6.20	4.20	e3.53
27	2.96	2.70	2.12	2.05	2.25	5.55	4.90	5.23	4.97	6.15	4.15	e3.49
28	2.99	2.66	2.09	2.01	2.24	5.42	4.95	5.15	4.94	6.07	4.12	....
29	3.00		2.07	1.98	2.21	5.42	5.18	5.08	4.90	5.98	e4.10	....
30	3.02		2.05	1.96	2.17	5.43	5.93	5.00	4.85	5.90	e4.08	....
31	3.02		2.05		2.15		6.01	4.96		5.83		....

e Estimated.

S196. University of Florida Experiment Station. SW¼SE¼ sec. 35, T. 56 S., R. 38 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 4 inches, depth 20 feet. Land-surface datum is 10.32 feet above msl. Highest water level 9.58 above msl, Oct. 5, 1933; lowest 1.23 below msl, June 20, 1945. Records available: 1932-55.

Daily water level above msl*

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.78	2.38	1.88	1.06	0.92	1.32	4.72	3.82	4.32	4.06	3.90	2.68
2	2.76	2.36	1.86	1.02	.92	1.38	4.57	3.80	4.32	3.96	3.78	2.66
3	2.72	2.34	1.82	.98	.90	1.42	4.52	3.82	4.22	3.90	3.70	2.62
4	2.72	2.32	1.82	1.00	.90	1.44	4.42	3.88	4.12	3.82	3.60	2.62
5	2.68	2.30	1.78	1.00	.92	1.42	4.32	3.82	4.02	3.76	3.52	2.60
6	2.64	2.30	1.78	.96	.92	1.38	4.32	3.82	3.98	3.68	3.44	2.58
7	2.62	2.30	1.72	.96	.94	1.36	4.62	3.88	4.08	3.62	3.42	2.56
8	2.62	2.26	1.70	.90	.96	1.32	4.72	3.88	4.32	3.54	3.34	2.52
9	2.58	2.24	1.66	.86	.96	1.28	4.62	3.98	4.82	3.48	3.28	2.56
10	2.58	2.22	1.66	.94	.96	1.26	4.52	4.02	4.88	3.48	3.34	2.54
11	2.54	2.22	1.66	1.04	.92	1.18	4.42	4.00	4.82	3.62	3.34	2.52
12	2.50	2.22	1.60	1.08	.92	1.42	4.42	3.92	4.72	5.36	3.32	2.52
13	2.50	2.18	1.58	1.12	.86	2.36	4.32	3.78	4.62	5.82	3.28	....
14	2.46	2.16	1.50	1.14	.82	2.86	4.32	3.82	4.52	5.78	3.26	2.48
15	2.46	2.12	1.50	1.14	.78	3.08	4.19	4.10	4.46	5.60	3.24	2.48
16	2.42	2.08	1.46	1.14	.78	3.32	4.12	4.52	4.34	5.46	3.20	2.44
17	2.42	2.08	1.42	1.18	.88	3.62	4.07	4.52	4.28	5.32	3.14	2.42
18	2.40	2.06	1.36	1.22	.94	4.04	4.32	4.48	4.18	5.18	3.12	2.36
19	2.40	2.08	1.30	1.27	1.08	4.22	4.37	4.62	4.42	5.08	3.06	2.34
20	2.36	2.06	1.28	1.28	1.26	4.26	4.32	4.58	4.78	4.94	3.02	2.30
21	2.36	2.04	1.28	1.32	1.44	4.28	4.32	4.56	4.72	4.84	2.98	2.28
22	2.34	2.02	1.22	1.26	1.58	4.72	4.32	4.48	4.68	4.78	2.94	2.24
23	2.34	2.00	1.22	1.26	1.64	5.08	4.32	4.40	4.58	4.62	2.86	2.28
24	2.32	1.98	1.22	1.22	1.66	4.96	4.22	4.28	4.46	5.16	2.82	2.22
25	2.30	1.96	1.14	1.20	1.62	4.82	4.12	4.22	4.46	4.42	2.78	2.20
26	2.30	1.96	1.08	1.18	1.56	4.72	4.02	4.12	4.38	4.36	2.78	2.22
27	2.28	1.92	1.06	1.12	1.54	4.67	3.92	4.06	4.32	4.24	2.72	2.18
28	2.28	1.92	1.02	1.06	1.54	4.67	3.92	3.98	4.28	4.20	2.70	2.14
29	2.30		1.04	1.02	1.42	4.67	3.92	3.86	4.20	4.08	2.72	2.14
30	2.34		1.04	.98	1.32	4.70	3.87	3.82	4.12	4.02	2.72	2.22
31	2.38		1.06		1.28		3.82	4.28		3.94		2.22

* One reading is made daily.

S539. U. S. Dept. of Agriculture. NW¼NE¼ sec. 24, T. 55 S., R. 40 E. Drilled unused water-table well in limestone of Biscayne aquifer, diameter 8 inches, depth 29 feet. Land-surface datum is 16.97 feet above msl. Highest water level 5.99 above msl, Sept. 15, 1945; lowest 0.31 below msl, Mar. 31, June 29, 1950. Records available: 1945-55. Affected by tides in Biscayne Bay. Measurement discontinued.

S539--Continued.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.18	+0.25	+0.38	+0.25	+0.47	+0.56	+0.90	+0.75	+1.07	+1.11	....	....
2	.19	.21	.28	.23	.62	.54	.92	.82	1.01	1.10	....	....
3	.16	.22	.20	.25	.65	.60	.90	.97	1.02	1.10	....	....
4	.17	.56	.24	.20	.65	.61	.89	.97	.99	1.03	....	....
5	.27	.73	.11	.18	.61	.60	.93	.98	1.00	1.05	....	....
6	.32	.71	.16	.20	.60	.62	.95	1.02	1.04	1.05	....	....
7	.41	.64	.20	.13	.50	.65	.89	1.12	.90	1.05	....	....
8	.56	.53	.20	.10	.42	.67	.80	1.20	.88	.93	....	....
9	.62	.50	.25	.30	.30	.76	.79	1.22	.93	.87	....	....
10	.70	.57	.24	.35	.18	.77	.74	1.15	.87	.90	....	....
11	.72	.53	.27	.30	.12	1.08	.73	1.06	.72	1.05	....	....
12	.70	.17	.21	.16	.11	1.28	.70	1.02	.90	1.45	....	....
13	.64	.21	.13	.16	.17	1.15	.63	1.10	.97	1.50	....	....
14	.52	.32	.13	+.09	.17	1.04	.63	1.15	1.10	1.55	....	....
15	.54	.21	+.05	-.07	.17	1.01	.66	1.20	1.20	1.55	....	....
16	.58	.30	-.02	-.02	.28	.98	.66	1.27	1.30	1.47	....	....
17	.53	.29	.07	+.09	.62	.98	.75	1.31	1.33	....	....	....
18	.55	.34	-.02	.18	.63	.99	.86	1.30	1.32	....	....	....
19	.35	.42	0.00	.34	.63	1.07	.92	1.26	1.28	....	....	....
20	.27	.46	+.08	.42	.73	1.01	.98	1.12	1.19	....	....	....
21	.40	.53	.12	.47	.72	.98	.98	1.00	1.03	....	....	....
22	.43	.54	.15	.55	.67	1.03	.96	.97	.95	....	....	....
23	.52	.63	.15	.61	.60	1.10	1.03	.95	.87	....	....	....
24	.57	.63	.18	.66	.56	1.00	.98	.94	1.01	....	....	....
25	.54	.56	.23	.58	.50	.88	.92	.95	.96	....	....	....
26	.39	.60	.22	.41	.47	.80	.85	.75	.88	....	....	....
27	.55	.50	.16	.35	.51	.72	.67	.78	.93	....	....	....
28	.67	.40	.22	.33	.51	.65	.60	.78	.89	....	....	....
29	.68		.21	.49	.51	.70	.63	.74	.94	....	....	....
30	.55		.15	.35	.51	.82	.64	.77	1.07	....	....	....
31	.32		.18		.55		.73	.95		....		....

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-0.13	-0.10	-0.02	-0.08	+0.05	+0.28	+0.60	+0.46	+0.87	+0.90	....	....
2	.14	.12	.09	.08	.26	.22	.61	.54	.83	.89	....	....
3	.14	.15	.10	.09	.29	.29	.60	.67	.84	.85	....	....
4	.15	-.12	.13	.17	.28	.30	.58	.72	.80	.84	....	....
5	.17	+.24	.22	.19	.23	.30	.60	.73	.83	.86	....	....
6	.12	.30	.23	.18	.21	.32	.65	.77	.74	.85	....	....
7	-.08	.14	.18	.24	.13	.35	.52	.85	.71	.80	....	....
8	+.02	.13	.17	.28	+.04	.41	.51	.92	.70	.72	....	....
9	.14	.10	.12	.10	-.12	.50	.49	.92	.63	.72	....	....
10	.19	.16	.13	.02	.17	.48	.46	.86	.71	.72	....	....
11	.25	+.03	.10	.15	.20	.52	.47	.82	.59	.74	....	....
12	.25	-.14	.19	.20	.16	.87	.43	.84	.64	.97	....	....
13	.13	.17	.19	.17	.10	.83	.39	.91	.77	1.24	....	....
14	.13	.05	.24	.31	.13	.74	.37	.90	.85	1.27	....	....
15	.17	.08	.25	.32	.13	.76	.33	.95	.95	1.27	....	....
16	.18	.08	.30	.32	-.07	.71	.33	1.00	1.03	1.25	....	....
17	.17	-.02	.32	.26	+.10	.70	.38	1.07	1.12	....	....	....
18	+.15	+.02	.32	.17	.27	.70	.43	1.04	1.10	....	....	....
19	0.00	.02	.29	-.02	.23	.76	.52	.95	1.04	....	....	....
20	-.08	.12	.25	+.07	.37	.70	.61	.86	.90	....	....	....
21	-.03	.10	.20	.08	.30	.69	.62	.80	.85	....	....	....
22	+.03	.13	.22	.11	.26	.75	.53	.78	.75	....	....	....
23	.05	.19	.27	.21	.20	.74	.55	.77	.74	....	....	....
24	.14	.16	.19	.22	.18	.63	.68	.75	.79	....	....	....
25	+.03	.15	.13	+.09	.10	.55	.62	.75	.81	....	....	....
26	-.07	.17	.17	-.03	.10	.53	.52	.62	.74	....	....	....
27	+.07	.07	.25	.04	.18	.47	.43	.61	.75	....	....	....
28	.23	0.00	.12	.07	.18	.44	.39	.62	.71	....	....	....
29	.22		.20	-.07	.22	.47	.38	.57	.72	....	....	....
30	+.05		.16	+.04	.20	.53	.41	.61	.83	....	....	....
31	-.07		.16		.18		.49	.62		....		....

Duval County

12. Jacksonville Motor Transit Co. McCoy St. and Riverside Ave., Jacksonville. T. 2 S., R. 26 E. Drilled industrial artesian well in Floridan aquifer, diameter 6 inches, reported depth 785 feet. Land-surface datum is 8.34 feet above msl. Highest water level 32.1 above lsd, Nov. 25, 1938; lowest 17.3 above lsd, Aug. 22, 1955. Records available: 1938, 1940-42, 1944, 1946-55. Jan. 24, +26.2; Mar. 7, +24.5; Apr. 18, +22.0; June 3, +18.8; July 11, +19.7; Aug. 22, +17.3; Nov. 14, +23.1.

18. C. J. Price. Riverside Ave. and Lomax St., Jacksonville. T. 2 S., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diameter 8 inches. Land-surface datum is 4.48 feet above msl. Highest water level 43.2 above lsd, Nov. 26, 1938; lowest 24.4 above lsd, Aug. 22, 1955. Records available: 1938, 1940-41, 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	+33.9	Apr. 18	+29.9	July 11	+28.0	Oct. 3	+28.9
Mar. 7	+30.7	June 3	+26.5	Aug. 22	+24.4	Nov. 14	+30.5

102. V. A. Stevens. SW¼NW¼ sec. 24, T. 2 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, reported depth 875 feet, cased to 400. Land-surface datum is 53.04 feet above msl. Highest water level 6.68 above lsd, Aug. 13, 1930; lowest 14.23 below lsd, Aug. 23, 1955. Records available: 1930-31, 1934, 1939-42, 1946-55.

Jan. 25	8.94	Apr. 19	11.59	July 12	12.26	Oct. 4	9.05
Mar. 8	10.98	June 4	12.18	Aug. 23	14.23	Nov. 15	8.05

115. City of Jacksonville. Oxford Ave. and Baltic St., Ortega. T. 3 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 729 feet, cased to 476. Land-surface datum is 16.12 feet above msl. Highest water level 40.0 above lsd, Aug. 22, 1930; lowest 17.7 above lsd, Aug. 22, 1955. Records available: 1930-31, 1938, 1940-42, 1944-55.

Jan. 24	+25.4	Apr. 18	+21.8	July 11	+19.7	Oct. 3	+20.5
Mar. 7	+21.4	June 3	+18.0	Aug. 22	+17.7	Nov. 14	+22.2

118. City of Jacksonville. Post and Dancy Sts., Jacksonville. SE¼ sec. 20, T. 2 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 900 feet. Land-surface datum is 24.59 feet above msl. Highest water level 34.5 above lsd, Apr. 7, 1942; lowest 18.4 above lsd, Aug. 22, 1955. Records available: 1939-55.

Jan. 24	+24.8	Apr. 18	+22.4	July 11	+19.8	Oct. 3	+20.2
Mar. 7	+22.9	June 5	+20.4	Aug. 22	+18.4	Nov. 14	+20.8

122. City of Jacksonville. Russell and 63d Sts., Jacksonville. T. 1 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 905 feet, cased to 571. Land-surface datum is 14.87 feet above msl. Highest water level 47.0 above lsd, Aug. 21, 1930; lowest 30.0 above lsd, Aug. 23, 1955. Records available: 1930, 1938, 1940-42, 1944-55.

Jan. 25	+34.9	Apr. 19	+33.4	July 12	+30.9	Oct. 4	+30.9
Mar. 7	+33.5	June 4	+32.2	Aug. 23	+30.0	Nov. 15	+31.6

123. City of Jacksonville. Beaver and Huron Sts., Jacksonville. NE¼ sec. 16, T. 2 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diameter 10 inches, reported depth 1,075 feet. Land-surface datum is 22.78 feet above msl. Highest water level 39.2 above lsd, Aug. 13, 1930; lowest 21.5 above lsd, Aug. 22, 1955. Records available: 1930-31, 1938-55. Jan. 24, +26.8, Mar. 7; +25.7; Apr. 18, +25.2; June 5, +23.3; July 11, +22.6; Aug. 22, +21.5; Nov. 14, +23.3.

129. Jim Merrill. Ortega Blvd. and First St., Ortega. T. 3 S., R. 26 E. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, depth 600 feet, cased to 470. Land-surface datum is 8.63 feet above msl. Highest water level 42.3 above lsd, July 9, 1940; lowest 21.0 above lsd, Aug. 22, 1955. Records available: 1940-42, 1944-55.

Jan. 24	+31.8	Apr. 18	+26.4	July 11	+25.2	Oct. 3	+26.7
Mar. 7	+27.3	June 3	+22.0	Aug. 22	+21.0	Nov. 14	+28.2

145. Duval County School Board. Oceanway School. T. 1 N., R. 27 E. Drilled public-supply artesian well in Floridan aquifer, diameter 2 inches. Land-surface datum is 34.79 feet above msl. Highest water level 24.2 above lsd, June 3, 1947; lowest 9.6 above lsd, Aug. 23, 1955. Records available: 1940-42, 1944-55.

Jan. 25	+14.4	Apr. 19	+13.0	July 12	+10.5	Oct. 4	+10.9
Mar. 7	+13.6	June 4	+11.6	Aug. 23	+9.6	Nov. 15	+11.1

149. Mrs. W. M. Bostwick. Drummond Creek, 1.2 miles southwest of Eastport. T. 1 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, reported depth 800 feet. Land-surface datum is 29.22 feet above msl. Highest water level 28.5 above lsd, July 16, 1947; lowest 15.0 above lsd, July 12, 1955. Records available: 1940-41, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	+19.3	Apr. 18	+17.3	July 12	+15.0	Oct. 4	+15.3
Mar. 7	+16.0	June 4	+16.1	Aug. 23	b+12.6	Nov. 15	+15.8

b Pumped recently.

154. J. M. Shield. T. 3 S., R. 27 E. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, depth 625 feet, cased to 461. Land-surface datum is 25.2 feet above msl. Highest water level 30.1 above lsd, July 15, 1947; lowest 16.9 above lsd, Aug. 23, 1955. Records available: 1940-42, 1944, 1946-55. Jan. 25, +21.7; Mar. 8, +20.1; Apr. 19, +20.2; June 4, +20.0; July 11, +18.1; Aug. 23, +16.9; Nov. 14, +20.1. Previously shown as SW¼ sec. 22.

160. City of Neptune Beach. Florida Ave. and First St. T. 2 S., R. 29 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 585 feet, cased to 357. Land-surface datum is 12.05 feet above msl. Highest water level 41.7 above lsd, June 15, 1934; lowest 25.5 above lsd, Nov. 20, 1951. Records available: 1930, 1934, 1939-42, 1944-55.

Jan. 25	+33.2	Apr. 19	+31.3	July 12	+28.3	Oct. 4	+29.6
Mar. 8	+31.3	June 4	+30.5	Aug. 23	+27.6	Nov. 15	+30.3

164. Ribault Club. Fort George Island. T. 1 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diameter 8 inches, reported depth 840 feet, cased to 450. Land-surface datum is 15.71 feet above msl. Highest water level 45.2 above lsd, Aug. 19, 1930; lowest 29.3 above lsd, June 29, 1954. Records available: 1930-31, 1940-41, 1944-55.

Jan. 25	+34.8	Apr. 19	+34.3	July 12	+32.0	Oct. 4	+32.3
Mar. 8	+34.2	June 4	+33.3	Aug. 23	+32.3	Nov. 15	+32.4

206. John Harrell. SW¼SW¼ sec. 12, T. 3 S., R. 25 E. Drilled unused artesian well in Floridan aquifer, diameter 10 inches, reported depth 1,920 feet, cased to 1,000. Highest water level 2.07 below lsd, June 5, 1948; lowest 13.73 below lsd, June 10, 15, 1955. Records available: 1941-42, 1948-55. Depth previously shown as 1,700 feet.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.33	10.36	10.71	11.58	12.56	.....	13.20	12.90	13.40	12.87	12.40	12.58
2	10.35	10.29	10.84	11.43	12.62	....	13.21	12.88	13.33	12.88	12.38	12.50
3	10.41	10.44	10.97	11.35	12.70	.....	13.20	12.85	13.27	12.82	12.35	12.48
4	10.34	10.59	11.03	11.46	12.73	.....	13.15	12.92	13.25	12.74	12.42	12.49
5	10.30	10.48	11.11	11.61	12.75	.....	13.09	13.02	13.20	12.69	12.37	12.41
6	10.31	10.26	11.08	11.62	12.87	13.39	13.06	13.05	13.09	12.66	12.32	12.36
7	10.40	10.18	11.12	11.61	.....	13.43	13.12	13.01	13.00	12.65	12.30	12.30
8	10.45	10.25	11.25	11.78	.....	13.48	13.22	12.96	13.06	12.62	12.33	12.29
9	10.40	10.38	11.27	11.90	.....	13.58	13.27	13.05	13.10	12.63	12.27	12.38
10	10.33	10.37	11.24	11.85	.....	13.70	13.18	13.10	13.01	12.59	12.04	12.58
11	10.37	10.72	11.24	11.71	.....	13.65	13.05	13.10	12.95	12.50	12.26	12.55
12	10.46	10.59	11.28	11.73	.....	13.55	13.06	13.21	12.91	12.40	12.39	12.50
13	10.45	10.70	11.38	11.76	.....	13.54	13.10	13.33	12.95	12.30	12.40	12.50
14	10.58	10.50	11.46	11.75	.....	13.60	13.05	13.40	12.92	12.30	12.30	12.50
15	10.47	10.40	11.53	11.69	.....	13.70	13.00	13.30	12.82	12.35	12.28	12.42
16	10.37	10.41	11.56	11.66	.....	13.61	12.99	13.11	12.80	12.32	12.30	12.51
17	10.42	10.40	11.68	11.70	.....	13.47	13.00	13.09	12.80	12.16	12.41	12.54
18	10.32	10.43	11.69	11.76	.....	13.36	13.03	13.25	12.70	12.20	12.50	12.50
19	10.32	10.46	11.76	11.80	.....	13.28	13.16	13.42	12.60	12.33	12.38	12.54
20	10.57	10.49	11.88	11.84	.....	13.23	13.30	13.55	12.60	12.45	12.55	12.59
21	10.52	10.49	11.82	11.87	.....	13.26	13.40	13.63	12.69	12.43	12.50	12.55
22	10.39	10.48	11.76	11.90	.....	13.36	13.45	13.54	12.75	12.43	12.45	12.50
23	10.33	10.54	11.86	11.94	.....	13.50	13.42	13.51	12.78	12.45	12.48	12.52
24	10.29	10.64	11.76	12.01	.....	13.61	13.30	13.51	12.82	12.38	12.55	12.58
25	10.36	10.48	11.65	12.00	.....	13.60	13.22	13.59	12.90	12.40	12.48	12.53
26	10.53	10.78	11.65	12.09	.....	13.50	13.17	13.47	12.98	12.38	12.47	12.45
27	10.35	10.76	11.93	12.16	.....	13.40	13.10	13.46	13.00	12.40	12.38	12.45
28	10.32	10.71	11.82	12.28	.....	13.37	13.06	13.39	12.90	12.39	12.27	12.54
29	10.36		11.67	12.37	.....	13.33	12.92	13.31	12.84	12.26	12.50	12.58
30	10.42		11.72	12.45	.....	13.26	12.90	13.32	12.83	12.28	12.61	12.43
31	10.47		11.64		.....		12.91	13.40		12.38		12.45

Escambia County

45. U. S. Geol. Survey. Sec. 15, T. 1 N., R. 31 W. Drilled observation artesian well in sand, diameter 4 inches, depth 152 feet, cased to 152. Highest water level 70.01 below lsd, Aug. 5, 1940; lowest 111.06 below lsd, Nov. 30, Dec. 29, 1955. Records available: 1940-55.

Daily mean water level, below lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	106.38	106.97	107.39	107.89	108.16	108.72	109.08	109.26	109.78	110.09	110.42	110.85
2	106.47	106.91	107.45	107.65	108.17	108.72	109.15	109.44	109.74	110.14	110.36	110.60
3	106.56	107.12	107.48	107.77	108.24	108.70	109.20	109.46	109.74	110.19	110.45	110.56
4	106.51	107.24	107.49	107.92	108.22	108.68	109.19	109.48	109.85	110.15	110.55	110.56
5	106.35	107.05	107.55	107.84	108.18	108.61	.....	109.55	.....	110.10	110.42	110.59
6	106.29	106.71	107.52	107.82	108.14	108.57	109.09	109.54	.....	110.12	110.30	110.52
7	106.41	107.02	107.67	107.80	108.14	108.59	109.06	109.43	109.76	.....	110.32	110.37
8	106.38	107.20	107.82	107.98	108.20	108.60	109.09	109.29	109.81	.....	110.43	110.39
9	106.29	107.25	107.76	108.06	108.30	108.60	109.13	109.35	109.92	.....	110.27	110.77
10	106.17	107.13	107.59	107.90	108.40	108.59	109.08	109.38	109.90	.....	110.03	110.95
11	106.43	107.28	107.52	107.82	108.41	108.65	109.03	109.33	109.87	110.19	110.27	110.92
12	106.45	107.72	107.53	107.81	108.38	108.75	109.10	109.27	109.90	110.02	110.45	110.86
13	106.50	107.74	107.59	107.75	108.31	108.87	109.30	109.31	110.02	109.92	110.57	110.87
14	106.56	107.48	107.64	107.87	108.28	108.90	109.35	109.44	110.07	109.94	110.51	110.87
15	106.38	107.27	107.66	108.02	108.27	108.85	109.30	109.49	109.96	110.00	110.37	110.84
16	106.30	107.19	107.69	108.02	108.29	108.83	109.27	.....	109.92	109.91	110.33	110.89
17	106.47	107.19	107.75	108.05	108.26	108.83	109.28	.....	109.95	109.90	110.62	110.81
18	106.30	107.20	107.70	108.09	108.28	108.84	109.30	109.55	109.93	110.04	110.62	110.75
19	106.76	107.21	107.68	108.05	108.31	108.87	109.32	109.65	109.85	110.32	110.55	110.90
20	107.00	107.24	107.72	107.96	108.27	108.93	109.32	109.68	109.86	110.48	110.74	110.89
21	.....	107.27	107.52	107.83	108.28	108.97	109.29	109.69	109.97	110.47	110.67	110.78
22	.....	107.25	107.80	107.74	108.43	108.97	109.28	109.65	110.02	110.42	110.51	110.67
23	.....	107.40	107.94	107.61	108.57	108.99	109.29	109.59	109.97	110.42	110.52	110.57
24	106.89	107.49	107.83	107.57	108.53	109.02	109.28	109.55	109.98	110.36	110.67	110.66
25	107.14	107.59	107.65	107.69	108.49	109.00	109.32	109.63	110.06	110.37	110.60	110.66
26	107.22	107.59	107.89	107.84	108.50	108.97	.....	109.66	110.12	110.28	110.63	110.63
27	107.00	107.51	108.22	107.84	108.59	109.05	109.37	109.68	110.20	110.25	110.47	.....
28	106.95	107.42	108.05	107.92	108.65	109.10	109.33	109.72	110.14	110.10	110.59	110.91
29	107.06		108.03	108.11	108.62	109.12	109.25	109.72	110.05	110.02	110.88	111.02
30	107.15		108.09	108.19	108.60	109.11	109.20	109.72	110.04	110.17	111.02	110.96
31	107.20		108.02		108.67		109.22	109.75		110.38		110.97

46. U. S. Geol. Survey. Ensley. Sec. 11, T. 1 S., R. 30 W. Drilled observation artesian well in sand, diameter 4 inches, depth 239 feet, cased to 239. Land-surface datum is 131.52 feet above msl. Highest water level 56.45 below lsd, Sept. 23, 1948; lowest 78.67 below lsd, Dec. 19, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	75.17	Apr. 11	76.89	July 11	78.07	Oct. 3	78.17
10	75.08	18	77.12	18	78.21	10	78.20
17	75.37	25	77.05	25	78.26	17	77.92
24	75.59	May 2	77.37	Aug. 2	78.27	24	78.23
31	75.87	9	77.46	8	78.09	31	78.27
Feb. 7	75.72	16	77.44	15	78.19	Nov. 7	78.20
14	76.09	23	77.71	18	78.21	14	78.32
21	76.06	30	77.72	22	78.18	21	78.43
28	76.14	June 6	77.65	29	78.13	28	78.40
Mar. 7	76.41	13	77.89	Sept. 6	78.12	Dec. 5	78.39
14	76.47	20	77.92	12	78.13	12	78.55
21	76.42	27	77.92	19	78.04	19	78.67
28	76.87	July 5	78.12	26	78.22	27	78.58
Apr. 4	76.84						

60. U. S. Geol. Survey. South end of H St., Pensacola. T. 2 S., R. 30 W. Drilled observation artesian well in sand, diameter 4 inches, depth 178 feet, cased to 178. Land-surface datum is about 6.94 feet above msl. Highest water level 4.40 below lsd, May 11, 1949; lowest 13.79 below lsd, May 3, 1940. Records available: 1940-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.22	7.13	6.47	6.87	7.11	7.71	....	8.32	8.26	8.19	8.09	7.83
2	7.20	....	6.43	6.88	7.14	7.73	....	8.24	8.27	8.20	8.09	7.81
3	7.19	....	6.41	6.88	7.16	7.74	....	8.22	8.27	8.20	8.09	7.80
4	....	....	....	6.88	7.20	7.75	....	8.22	8.26	8.20	8.09	7.78
5	....	7.13	6.40	6.85	7.25	....	....	8.21	8.25	8.21	....	7.75

60--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	7.20	6.98	....	6.84	7.31	....	8.07	8.22	....	8.22	....	7.74
7	7.21	6.77	6.40	6.84	7.36	7.86	8.09	8.22	8.21	8.23	....	7.74
8	7.23	6.75	6.42	6.84	7.39	7.87	8.11	8.20	8.21	8.23	8.11	7.73
9	7.23	6.74	6.43	6.85	7.43	7.87	8.14	8.18	8.21	8.21	8.10	7.74
10	7.24	6.73	6.45	6.83	7.46	7.88	8.15	8.18	8.21	8.11	8.10	7.75
11	7.24	6.73	6.47	6.77	7.50	7.88	8.15	8.17	8.19	8.11	8.10	7.76
12	7.25	6.73	6.48	6.75	7.54	7.87	8.17	8.17	8.15	8.10	8.10	7.76
13	7.26	6.74	6.50	6.75	7.58	7.82	8.18	8.17	8.13	8.08	8.09	7.75
14	7.28	....	6.55	6.75	7.62	7.81	8.20	8.14	8.11	8.08	8.08	7.75
15	7.28	6.78	6.58	6.76	7.65	7.82	8.21	8.09	8.10	8.07	8.07	7.75
16	7.27	6.78	6.60	6.78	7.65	7.83	8.22	8.10	8.10	....	8.07	7.76
17	7.24	6.77	6.63	6.78	7.65	7.84	8.23	8.10	8.07	....	8.07	7.77
18	7.23	6.78	6.65	6.86	7.65	7.85	8.23	8.13	8.05	8.10	8.08	7.78
19	7.22	6.77	6.68	6.90	7.66	7.85	8.23	8.14	....	8.10	8.08	7.80
20	7.24	6.73	6.70	6.91	7.66	7.84	8.23	....	8.05	8.10	8.07	7.85
21	7.25	6.66	6.71	6.92	7.66	7.84	8.23	....	8.05	8.10	8.06	7.85
22	7.25	6.63	6.72	6.93	7.64	7.85	8.24	....	8.06	8.10	8.04	7.85
23	7.24	6.61	6.74	6.94	7.63	7.87	8.25	8.25	8.08	8.10	8.03	7.85
24	7.21	6.60	6.75	6.95	7.63	7.90	8.25	8.26	8.10	8.10	8.03	7.85
25	7.21	6.60	6.76	6.97	7.64	7.92	8.27	8.28	8.10	8.10	8.01	7.85
26	7.21	6.59	6.77	6.98	7.65	7.93	8.28	8.29	8.13	8.10	8.00	7.85
27	7.20	6.57	6.79	7.01	7.66	....	8.29	8.29	8.14	8.10	7.97	....
28	7.20	6.52	6.81	7.03	7.68	8.00	8.30	8.28	8.15	8.10	7.85	7.85
29	7.20		6.82	7.05	7.70	8.00	8.33	8.27	8.16	8.10	7.83	7.85
30	7.17		6.85	7.08	....	8.00	8.35	8.26	8.17	8.09	7.82	7.85
31	7.14		6.86		7.70		8.35	8.26		8.09		7.85

60-A. U. S. Geol. Survey. H St., Pensacola. T. 2 S., R. 30 W. Drilled observation water-table well in sand, diameter 4 inches, depth 18 feet, cased to 18. Land-surface datum is 7.20 feet above msl. Highest water level 3.04 below lsd, Apr. 26, 1944; lowest 7.39 below lsd, Nov. 17, 1952. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	6.82	Apr. 4	5.22	July 11	5.98	Oct. 10	5.66
10	6.61	11	5.23	18	5.72	17	5.83
17	5.33	18	5.48	25	5.88	24	6.04
24	6.20	25	5.26	Aug. 1	5.85	31	5.98
31	6.33	May 2	5.77	8	5.66	Nov. 7	6.10
Feb. 7	4.25	9	5.87	15	5.66	14	6.10
14	5.35	16	5.94	22	6.98	21	6.18
21	5.35	23	5.42	29	5.11	28	6.13
28	5.57	30	5.78	Sept. 6	5.48	Dec. 5	6.09
Mar. 7	5.73	June 6	5.66	12	5.46	12	6.54
14	5.87	20	5.61	19	5.51	19	6.40
21	5.59	27	6.00	26	5.73	27	6.42
28	6.05	July 5	5.79	Oct. 3	5.79		

62. U. S. Geol. Survey. Pensacola. T. 2 S., R. 30 W. Drilled observation artesian well in sand, diameter 6 inches, depth 142 feet, cased to 142. Land-surface datum is 13.95 feet above msl. Highest water level 6.05 below lsd, Mar. 30, 1949; lowest 24.73 below lsd, July 31, 1955. Records available: 1940-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	22.38	.....	21.75	22.43	22.70	23.72	23.91	24.60	22.33	23.66	23.75	23.31
2	22.17	22.32	21.75	22.38	.....	23.79	23.93	.....	22.35	23.70	23.75	.....
3	22.04	22.34	21.77	22.23	22.90	23.87	23.94	.....	22.37	23.74	23.76	.....
4	22.07	22.38	21.80	22.03	23.02	23.92	23.95	.....	22.26	23.76	23.77	.....
5	22.10	22.39	21.83	22.00	23.14	23.94	.....	.....	22.13	23.79	23.80	.....
6	22.16	22.14	21.85	22.03	23.25	.....	24.04	.....	.....	23.85	.....	23.31
7	22.20	21.88	21.81	22.06	23.34	23.96	24.10	.....	22.08	23.89	.....	23.32
8	22.24	21.81	21.88	22.10	23.41	23.96	24.19	.....	22.07	23.92	23.77	23.34
9	22.25	21.80	21.99	22.12	23.47	23.99	24.25	23.69	22.06	23.73	23.74	23.37
10	22.25	21.80	22.07	21.88	23.52	23.90	24.28	23.72	22.05	23.36	23.75	23.40
11	22.25	21.80	22.13	20.95	23.60	.....	24.30	23.75	22.15	23.22	23.76	23.41
12	22.27	21.80	22.17	20.88	23.69	23.63	24.33	23.78	22.17	23.24	23.75	.....
13	22.32	21.83	.....	21.00	23.78	23.40	24.37	23.82	22.24	23.27	.....	23.64
14	22.37	21.83	22.19	21.17	23.84	23.41	24.40	23.77	22.32	23.32	.....	e23.65
15	22.37	21.79	22.24	21.33	23.82	23.48	24.43	23.55	22.38	23.38	23.24	e23.64

62--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	22.35	21.77	22.29	21.44	23.64	23.55	24.41	23.47	22.45	.....	23.28	.....
17	22.34	21.80	22.37	21.48	23.56	23.63	24.38	23.47	22.53	.....	23.35	.....
18	22.28	21.77	22.43	21.53	23.56	23.69	.....	23.51	22.60	23.42	23.39	.....
19	22.27	21.75	22.48	21.60	23.60	23.70	.....	23.52	22.65	23.45	23.41	.....
20	22.33	21.59	22.52	21.68	23.64	23.68	.....	23.55	22.73	23.50	23.42	23.80
21	22.37	21.45	22.48	21.77	23.62	23.71	.....	23.59	22.84	23.54	.....	23.82
22	22.41	21.49	22.38	21.85	23.53	23.75	.....	23.62	22.94	23.55	23.50	23.82
23	22.38	21.58	22.33	21.92	23.45	23.81	.....	23.62	23.05	.....	23.53	23.81
24	22.26	21.65	22.32	21.98	23.46	23.87	.....	23.37	23.15	.....	23.58	.....
25	.....	21.73	22.32	22.04	23.50	23.92	.....	23.16	23.25	23.59	23.52	.....
26	.....	21.78	22.33	22.16	23.58	23.95	24.59	23.04	23.30	23.65	23.48	.....
27	.....	21.82	22.35	22.28	23.65	23.90	24.62	22.65	23.38	23.68	23.33	.....
28	.....	21.81	22.34	22.38	23.73	23.88	24.64	22.43	23.45	23.72	.....	23.82
29	.....		22.35	22.49	23.78	23.89	24.65	22.30	23.52	23.74	23.29	23.84
30	.....		22.36	22.60	23.72	23.90	24.70	.....	23.60	.....	23.31	23.85
31	.....		22.40		23.70		24.73	22.31		.....		23.87

e Estimated.

62-A. U. S. Geol. Survey. Pensacola. T. 2 S., R. 30 W. Drilled observation water-table well in sand, diameter 4 inches, depth 18 feet, cased to 17. Land-surface datum is 13.95 feet above msl. Highest water level 9.03 below lsd, July 16, 1940; lowest 13.19 below lsd, Jan. 10, 1955. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	13.02	Mar. 28	12.42	June 27	12.05	Oct. 3	11.79
10	13.19	Apr. 4	11.92	July 5	12.10	10	11.86
17	13.14	11	11.72	11	12.10	17	12.01
24	12.92	18	12.81	Aug. 1	11.97	24	12.21
31	12.79	25	11.86	8	11.97	31	12.26
Feb. 1	12.96	May 2	12.05	15	11.61	Nov. 7	12.43
7	11.69	9	12.19	22	12.84	14	12.50
14	11.47	16	12.31	29	11.26	21	12.54
21	11.77	23	12.14	Sept. 6	12.15	28	12.70
28	11.93	30	12.09	12	11.40	Dec. 5	12.66
Mar. 7	12.10	June 6	12.23	19	11.55	12	12.78
14	12.32	13	11.92	26	11.71	27	12.94
21	12.19	20	11.40				

74. Chemstrand Corp. Sec. 30, T. 1 N., R. 30 W. Drilled semiartesian observation well in sand, diameter 4 to 2½ inches, depth 352 feet, screen 260-270, 340-350. Highest water level 73.97 below lsd, Nov. 10, 1951; lowest 86.51 below lsd, Dec. 17, 1955. Records available: 1951-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	84.13	84.46	84.44	85.29	85.05	85.36	86.00	85.91	85.95	85.50	86.11	86.41
2	84.12	84.41	84.41	85.21	85.19	85.37	86.19	85.83	85.90	85.50	85.93	86.30
3	84.20	84.49	84.49	85.22	85.21	85.40	86.32	85.84	85.96	85.49	85.97	86.20
4	84.27	84.56	84.43	85.28	85.19	85.40	86.41	85.79	86.00	85.50	86.13	86.19
5	84.26	84.42	84.46	85.27	85.25	85.40	86.43	85.82	86.00	85.50	86.14	86.18
6	84.21	84.11	84.46	85.13	85.20	85.44	86.42	85.92	85.99	85.50	86.10	86.17
7	84.24	84.12	84.65	84.86	85.31	85.53	86.40	.....	85.89	85.48	86.02	86.14
8	84.24	84.30	84.78	84.83	85.44	85.52	86.41	.....	85.85	85.39	85.99	86.12
9	84.30	84.31	84.72	84.77	85.52	85.58	86.41	.....	85.84	85.40	85.80	86.21
10	84.33	84.27	84.54	84.70	85.56	85.60	86.41	.....	85.85	85.43	85.65	86.33
11	84.43	84.33	84.53	84.86	85.57	85.59	86.40	.....	85.93	85.48	85.65	86.43
12	84.48	84.37	84.56	84.92	85.63	85.61	86.25	85.91	85.97	85.45	85.68	86.47
13	84.47	84.33	84.64	84.92	85.68	85.71	86.13	85.85	85.99	85.39	85.70	86.48
14	84.42	84.22	84.73	85.00	85.64	85.89	86.08	85.84	86.02	85.46	85.70	86.44
15	84.39	84.20	84.80	85.17	85.62	85.79	86.14	85.89	85.99	85.55	85.70	86.43
16	84.33	84.27	84.80	84.93	85.59	85.62	86.15	.....	85.98	85.58	85.70	86.49
17	84.34	84.31	84.86	84.41	85.38	85.64	86.17	.....	85.95	85.50	85.71	86.50
18	84.29	84.35	84.94	84.16	85.32	85.68	86.15	85.97	85.92	85.53	85.90	86.44
19	84.27	84.36	85.04	83.99	85.30	85.70	86.20	85.98	85.89	85.65	86.10	86.39
20	84.33	84.32	84.99	83.88	85.40	85.75	86.30	86.00	85.88	85.86	86.22	86.44
21	84.36	84.21	84.76	83.85	85.48	85.80	86.30	86.01	85.87	85.99	86.25	86.40
22	84.32	84.10	84.65	83.80	85.49	85.81	86.31	86.01	85.88	86.00	86.28	86.34
23	84.34	84.10	84.73	83.68	85.46	85.86	86.32	.....	85.84	86.01	86.27	86.32
24	84.33	84.14	84.90	83.74	85.53	85.91	86.30	.....	85.81	86.01	86.28	86.33
25	84.40	84.20	85.03	83.92	85.55	85.90	86.25	86.02	85.80	86.01	86.30	86.40

74--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	84.51	84.38	85.10	84.18	85.60	85.90	86.22	86.10	85.80	86.00	86.30	86.40
27	84.41	84.46	85.15	84.32	85.53	85.93	86.25	85.99	85.70	85.99	86.28	86.33
28	84.33	84.46	85.24	84.63	85.37	85.99	86.25	85.94	85.60	86.00	86.27	86.30
29	84.30		85.23	84.83	85.35	85.99	86.27	85.95	85.51	86.00	86.35	86.33
30	84.35		85.28	84.92	85.31	85.99	86.28	85.91	85.50	86.00	86.43	86.40
31	84.45		85.25		85.31		86.22	85.95		86.08		86.42

Flagler County

14. W. E. Kudna. NE¼ sec. 15, T. 12 S., R. 30 E. Drilled unused artesian well in Floridan aquifer, diameter 6 to 4 inches, reported depth 180 feet. Land-surface datum is 21.0 feet above msl. Highest water level 2.7 below lsd, September 1947; lowest 7.20 below lsd, June 3, 1955. Records available: 1936-55. Previously shown as NE¼SW¼ sec. 10.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	5.29	Apr. 20	5.47	July 13	5.72	Oct. 5	5.18
Mar. 5	5.60	June 3	7.20	Aug. 24	5.89	Nov. 16	5.16

Gadsden County

6. State of Florida. NW¼NW¼ sec. 18, T. 2 N., R. 3 W. Drilled public-supply artesian well in Floridan aquifer, diameter 7 to 5 inches, reported depth 422 feet, cased to 420. Highest water level 135.6 below lsd, May 20, 1952; lowest 157.29 below lsd, Aug. 16, 1955. Records available: 1936, 1946-55.

Jan. 11	152.30	May 16	154.12	Aug. 16	157.29	Nov. 7	156.50
Feb. 21	152.80	June 28	155.51	Sept. 26	156.71	Dec. 19	155.66
Apr. 4	153.74						

Gulf County

30. Apalachicola Northern RR. Port St. Joe. NE¼NW¼ sec. 1, T. 8 S., R. 11 W. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, reported depth 563 feet, cased to 300. Highest water level 5.95 below lsd, Sept. 20, 1955; lowest 28.41 below lsd, July 3, 1948. Records available: 1946-55. Previously shown as T. 7 S.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.48	7.79	7.90	8.49	9.48	9.89	8.27	6.78	6.40	6.30	6.43	6.60
2	8.40	7.71	7.90	8.50	9.50	9.96	8.18	6.83	6.47	6.28	6.53	6.38
3	8.60	7.69	8.40	8.15	9.80	9.99	8.10	6.88	6.35	6.40	6.61	6.39
4	8.65	7.79	8.47	8.07	9.83	10.00	8.02	7.00	6.28	6.39	6.84	6.30
5	8.63	7.73	8.28	8.01	9.87	10.01	8.11	6.94	6.25	6.40	6.99	6.25
6	8.60	7.36	8.49	8.05	9.90	10.00	8.10	6.89	6.36	6.40	6.90	6.30
7	8.70	7.24	8.55	8.27	9.91	10.11	8.00	6.78	6.37	6.36	6.89	6.26
8	8.65	7.43	8.72	8.19	9.93	10.10	8.03	6.74	6.49	6.30	7.19	6.22
9	8.56	7.62	8.89	8.51	9.97	10.04	8.01	6.76	6.55	6.50	7.16	6.35
10	8.43	7.63	8.88	8.17	10.09	10.12	7.91	6.79	6.42	6.41	6.90	6.43
11	8.45	8.03	8.89	7.95	10.12	10.16	7.78	6.83	6.40	6.64	6.84	6.36
12	8.54	8.21	8.91	7.99	10.17	10.05	7.73	6.84	6.30	6.43	6.89	6.34
13	8.43	8.28	8.93	7.98	10.20	10.02	7.73	6.75	6.30	6.60	6.78	6.33
14	8.48	8.09	8.94	7.84	10.22	10.15	7.76	6.63	6.34	6.61	6.69	6.29
15	8.65	8.35	9.05	7.90	10.13	10.09	7.80	6.63	6.34	6.40	6.65	6.24
16	8.27	8.12	9.12	7.95	10.01	9.83	7.74	6.90	6.28	6.30	6.61	6.29
17	8.11	8.26	9.19	7.90	9.88	9.51	7.57	6.81	6.23	6.20	6.57	6.27
18	7.94	7.99	9.17	7.95	9.80	9.00	7.50	6.90	6.16	6.33	6.50	6.27
19	7.92	7.91	9.13	8.10	9.71	8.65	7.54	6.90	6.16	6.40	6.36	6.24
20	8.20	7.74	9.10	8.55	9.61	8.54	7.75	7.01	6.20	6.43	6.40	6.30
21	8.16	7.57	8.94	8.81	9.49	8.55	7.54	6.93	6.32	6.52	6.40	6.30
22	8.01	7.49	8.84	8.86	9.39	8.63	7.42	6.83	6.40	6.50	6.35	6.21
23	7.95	7.40	8.59	8.90	9.50	8.60	7.33	6.80	6.39	6.40	6.40	6.22
24	7.90	7.43	8.35	8.81	9.58	8.58	7.15	6.82	6.37	6.34	6.65	6.21
25	8.00	7.50	8.50	8.76	9.60	8.36	7.13	6.92	6.30	6.35	6.55	6.21
26	8.00	7.50	8.60	8.91	9.64	8.22	7.22	6.56	6.30	6.34	6.50	6.25
27	7.93	7.47	8.94	9.03	9.71	8.20	7.29	6.40	6.46	6.30	6.34	6.26
28	7.78	7.54	8.90	9.25	9.76	8.30	7.22	6.36	6.40	6.21	6.35	6.30
29	7.80		8.46	9.38	9.69	8.33	7.18	6.36	6.39	6.14	6.60	6.30
30	7.83		8.29	9.49	9.66	8.51	7.04	6.44	6.35	6.20	6.70	6.24
31	7.84		8.20		9.82		6.83	6.46		6.29		6.28

Hendry County

3. U. S. Geol. Survey. SW¼SW¼ sec. 12, T. 48 S., R. 33 E. Jetted observation water-table well in shelly sand, diameter 6 inches, depth 10 feet, cased to 8, gravel packed 5-10. Highest water level 0.90 above lsd, Oct. 2, 1951; lowest 4.43 below lsd, June 10, 1955. Records available: 1941-44, 1950-55.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-1.08	-1.80	-2.40	-2.87	-3.74	-4.03	-0.02	-0.37	-0.63	-0.59	-0.76	-1.36
2	1.11	1.82	2.44	2.95	3.79	4.00	.12	.61	.59	.65	.77	1.37
3	1.13	1.87	2.48	2.91	3.85	4.01	.42	.61	.39	.67	.79	1.30
4	1.15	1.92	2.52	2.92	3.88	4.08	.52	.64	.68	.62	.80	1.31
5	1.18	1.95	2.55	2.93	3.92	4.15	.61	.68	.70	.03	.81	1.40
6	1.18	2.00	2.60	3.00	3.95	4.20	.65	.72	.73	.19	.84	1.00
7	1.20	2.02	2.63	3.08	3.99	4.25	.72	.76	.62	.48	.86	.99
8	1.22	2.01	2.67	3.14	4.02	4.30	.72	.81	.15	.53	.87	.69
9	1.27	2.03	2.74	3.13	4.03	4.35	.74	.83	.28	.55	.12	.76
10	1.30	2.11	2.78	3.13	4.07	4.40	.42	.88	.53	.36	.43	1.17
11	1.33	2.15	2.80	3.16	4.10	2.12	.04	.92	.55	-.04	.70	1.23
12	1.37	2.18	2.83	3.20	4.12	.27	.06	.96	.56	+.13	.77	.13
13	1.40	2.25	2.87	3.26	4.15	.45	.52	.98	.60	-.15	.80	.42
14	1.48	2.29	2.92	3.30	4.19	.95	.68	.99	.62	.35	.83	.64
15	1.53	2.30	2.95	3.35	4.23	1.15	.74	.98	.63	.42	.85	.73
16	1.54	2.32	2.98	3.28	4.26	.65	.20	.98	.67	.46	.87	.88
17	1.56	2.35	3.03	3.18	4.30	.36	.33	1.13	.62	.47	.90	.95
18	1.59	1.73	3.07	3.17	4.15	.35	.67	.85	.62	.42	.92	.95
19	1.17	1.77	3.11	3.20	4.05	-.26	.80	.26	.69	.50	.93	.97
20	1.47	1.90	3.14	3.29	3.98	+.10	.60	.39	-.66	.54	.97	1.00
21	1.60	2.02	3.18	3.37	3.90	+.04	.23	.90	+.03	.53	1.02	1.00
22	1.63	2.08	3.22	3.42	3.77	-.40	.57	1.01	-.07	.55	1.03	.97
23	1.67	2.13	3.26	3.46	3.72	.50	.72	1.01	.40	.57	1.05	1.02
24	1.17	2.17	3.30	3.47	3.71	.13	.77	.22	.50	.59	1.07	1.10
25	1.17	2.22	3.33	3.50	3.72	+.15	.66	.37	.50	.61	1.10	1.11
26	1.50	2.28	3.36	3.55	3.77	+.04	.53	.82	.56	.63	1.11	1.12
27	1.59	2.32	3.40	3.59	3.85	-.38	.64	.83	.59	.64	1.14	1.12
28	1.59	2.37	3.03	3.63	3.93	+.14	.67	.72	.61	.66	1.17	.31
29	1.63		2.85	3.67	4.00	.25	.72	.75	.63	.67	1.23	.35
30	1.68		2.83	3.71	4.05	.13	.48	.71	.55	.67	1.35	.94
31	1.77		2.83		4.13		.17	.72		.73		.99

5. U. S. Geol. Survey. SW¼SW¼ sec. 22, T. 44 S., R. 32 E. Jetted observation water-table well in sand, diameter 6 inches, depth 13 feet, cased to 8, gravel packed 7-13. Highest water level 0.48 above lsd, Oct. 2, 1951; lowest 4.02 below lsd, Apr. 5, 1945. Records available: 1941-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.38	2.40	2.76	2.97	3.06	2.91	0.23	0.67	0.37	0.89	2.12	2.35
2	2.40	2.44	2.78	3.00	3.10	2.96	.23	.67	.35	.94	2.17	2.40
3	2.43	2.47	2.80	2.55	3.14	3.00	.30	.68	.35	.94	2.20	2.44
4	2.45	2.50	2.82	2.54	3.16	3.05	.37	.68	.36	1.00	2.23	2.45
5	2.48	2.53	2.85	2.55	3.20	3.09	.44	.71	.43	1.03	2.25	2.47
6	2.51	2.57	2.87	2.60	3.23	3.13	.48	.80	.49	1.05	2.27	2.35
7	2.53	2.59	2.90	2.65	3.26	3.17	.55	.87	.47	1.09	2.29	2.22
8	2.54	2.44	2.91	2.71	3.25	3.20	.56	.85	.40	1.13	2.31	2.22
9	2.55	2.43	2.94	2.75	3.28	3.25	.61	.85	.40	1.16	1.93	2.22
10	2.57	2.43	2.97	2.79	3.30	3.29	.63	.96	.40	1.21	1.91	2.29
11	2.58	2.32	2.99	2.83	3.33	2.80	.59	1.05	.41	1.24	1.91	2.34
12	2.58	2.32	3.01	2.87	3.37	1.60	.58	1.10	.42	1.05	1.97	2.32
13	2.62	2.32	3.03	2.92	3.39	1.57	.56	1.18	.43	1.06	2.03	2.30
14	2.64	2.34	3.05	2.57	3.42	1.58	.57	1.25	.46	1.15	2.10	2.23
15	2.67	2.36	3.08	2.29	3.39	1.65	.57	1.29	.51	1.22	2.17	2.23
16	2.68	2.40	3.10	2.27	3.39	1.55	.53	1.35	.57	1.30	2.22	2.25
17	2.69	2.42	3.12	2.29	2.98	1.17	.52	1.43	.64	1.35	2.25	2.32
18	2.69	2.40	3.14	2.37	2.73	1.05	.52	.40	.70	1.35	2.28	2.35
19	2.65	2.40	3.16	2.43	2.55	1.05	.53	.34	.72	1.40	2.32	2.40
20	2.65	2.42	3.18	2.50	2.48	.55	.45	.34	.60	1.49	2.37	2.45
21	2.70	2.47	3.20	2.58	2.48	.19	.45	.37	.53	1.57	2.40	2.49
22	2.72	2.51	3.23	2.65	2.47	.17	.45	.45	.52	1.64	2.42	2.52
23	2.73	2.55	3.25	2.70	2.48	.17	.45	.52	.52	1.72	2.45	2.55
24	2.41	2.58	3.22	2.75	2.49	.24	.49	.45	.52	1.80	2.46	2.57
25	2.37	2.62	3.22	2.80	2.47	.32	.56	.45	.53	1.86	2.48	2.58

5--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	2.37	2.66	3.25	2.86	2.50	0.40	0.57	0.43	0.58	1.92	2.36	2.60
27	2.36	2.70	3.27	2.90	2.58	.38	.60	.37	.66	1.97	2.32	2.62
28	2.35	2.72	3.05	2.94	2.65	.38	.69	.36	.73	2.02	2.22	2.10
29	2.35		2.95	2.98	2.73	.20	.72	.36	.78	2.06	2.22	2.07
30	2.35		2.95	3.02	2.80	.20	.72	.37	.85	2.02	2.29	2.08
31	2.37		2.95		2.86		.73	.37		2.04		2.10

Highlands County

9. U. S. Geol. Survey. Avon Park Bombing Range. NE¼NW¼ sec. 7, T. 33 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 26 feet, cased to 22, gravel packed 19-26. Land-surface datum is 131.00 feet above msl. Highest water level 130.54 above msl, Oct. 9, 1953; lowest 125.27 above msl, Aug. 8, 1950. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	128.02	128.15e	127.55	.....	126.96	127.20	128.24	128.50	128.04	128.37	127.77	127.17
2	127.99	128.10e	127.53	.....	126.94	127.20	128.25	128.83	128.04	128.33	127.74	127.15
3	127.96	128.07e	127.52	.....	126.93	127.20	128.24	128.87	128.02	128.29	127.72	127.13
4	127.93	128.03e	127.50	.....	126.90	127.19	128.18	128.87	127.99	128.26	127.70	127.12
5	127.90	128.00e	127.48	.....	126.89	127.16	128.10	128.77	127.95	128.23	127.67	127.11
6	127.88	127.96e	127.46	.....	126.87	127.13	128.04	128.65	127.91	128.20	127.65	127.10
7	127.85	127.93e	127.44	.....	126.85	127.09	128.35	128.54	127.88	128.17	127.62	127.09
8	127.83	127.91e	127.42	.....	126.83	127.05	128.37	128.44	128.58	128.13	127.60	127.08
9	127.81	127.90e	127.40	.....	126.82	127.02	.....	128.35	128.66	128.10	127.58	127.07
10	127.79	127.88e	127.38	.....	126.80	126.98	.....	128.26	129.47	128.06	127.56	127.05
11	127.77	127.86	127.36	.....	126.78	126.95	.....	128.39	129.64	128.07	127.55	127.03
12	127.75	127.84	127.36	.....	126.78	126.92	.....	128.37	129.74	128.35	127.53	127.02
13	127.72	127.80	127.35	.....	126.77	126.90	.....	128.25	129.45	128.42	127.51	127.00
14	127.70	127.78	127.34	.....	126.76	126.87	128.66	128.39	129.13	128.42	127.50	126.99
15	127.67e	127.76	127.33	.....	126.75	126.85	128.62	128.48	129.25	128.40	127.47	126.98
16	127.65e	127.75	127.31	.....	126.74	126.81	128.52	128.49	129.18	128.35	127.45	126.97
17	127.72e	127.73	127.29	.....	126.73	126.80	128.46e	128.47	128.90	128.27	127.43	126.95
18	127.73e	127.72	127.28	.....	126.72	126.78	128.41e	128.46	129.11	128.41	127.41	126.93
19	127.73e	127.70	127.25	.....	126.71	126.77	128.31e	128.42	129.13	128.41e	127.39	126.93
20	127.73e	127.68	127.24	.....	126.68	126.76	128.34e	128.40	128.97	128.33e	127.36	126.91
21	127.73e	127.67	127.22	127.13	126.68	126.75	128.35e	128.37	128.80	128.25e	127.33	126.90
22	127.71e	127.66	127.21	127.13	126.97	126.80	128.35e	128.35	128.74	128.17	127.30	126.89
23	127.69e	127.65	127.19	127.12	127.38	127.10	128.25e	128.32	128.70	128.10	127.28	126.88
24	128.25e	127.63	127.30	127.10	127.40	127.13	128.18e	128.30	128.65	128.03	127.27	126.87
25	128.32e	127.62	127.50	127.08	127.40	127.40	128.12e	128.27	128.67	127.99	127.27	126.85
26	128.32e	127.60	127.50	127.05	127.40	127.41	128.10	128.27	128.67	127.96	127.25	126.84
27	128.32e	127.58	.....	127.04	127.39	127.77	128.05	128.22	128.56	127.93	127.24	126.83
28	128.30e	127.57	.....	127.02	127.35	128.07	128.01	128.14	128.50	127.88	127.22	126.82
29	128.27		.....	127.00	127.30	128.15	127.96	128.08	128.45	127.85	127.21	126.82
30	128.23		.....	126.98	127.26	128.22	127.92	128.10	128.42	127.83	127.18	126.82
31	128.19		.....		127.21		128.42	128.10		127.81		126.81

e Estimated.

10. U. S. Geol. Survey. About 4 miles southeast of Sebring on Florida Highway 623. NE¼SE¼ sec. 2, T. 35 S., R. 29 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 45 feet, cased to 41, gravel packed 37-45. Land-surface datum is 118 feet above msl. Highest water level 92.72 above msl, Oct. 14-15, 1948; lowest 84.65 above msl, Apr. 6-8, 1951. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	87.55	87.00	86.57	86.11	85.93	85.54	.....	.....	85.96	87.04	86.62	86.12
2	87.54	86.98	86.56	86.10	85.92	85.53	.....	.....	85.96	87.05	86.60	86.10
3	87.51	86.97	86.55	86.09	85.91	85.52	.....	.....	85.97	87.05	86.58	86.08
4	87.49	86.95	86.53	86.07	85.90	.....	.....	.....	85.98	87.06	86.57	86.07
5	87.48	86.93	86.52	86.06	85.89	.....	.....	.....	85.99	87.06	86.55	86.05
6	87.46	86.93	86.50	86.05	85.88	.....	.....	.....	86.00	87.06	86.54	86.03
7	87.45	86.92	86.49	86.06	85.87	.....	.....	.....	86.00	87.05	86.53	86.01
8	87.43	86.90	86.47	86.06	85.86	.....	.....	.....	86.01	87.05	86.51	85.99
9	87.40	86.89	86.45	86.05	85.85	.....	.....	.....	86.02	87.05	86.49	85.98
10	87.40	86.87	86.44	86.05	85.83	.....	.....	85.87	86.03	87.04	86.48	85.95

10--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	87.37	86.86	86.43	86.05	85.81	.....	.....	85.88	86.05	87.03	86.46	85.94
12	87.35	86.85	86.40	86.05	85.80	.....	.....	85.88	86.09	87.02	86.44	85.92
13	87.34	86.83	86.39	86.05	85.80	.....	.....	85.88	86.13	87.01	86.42	85.90
14	87.32	86.81	86.37	86.05	85.78	.....	.....	85.89	86.16	87.00	86.40	85.88
15	87.29	86.80	86.36	86.05	85.77	.....	.....	85.90	86.22	86.98	86.39	85.87
16	87.28	86.78	86.35	86.04	85.76	.....	.....	85.90	86.29	86.96	86.37	85.85
17	87.27	86.76	86.33	86.03	85.75	.....	.....	85.90	86.37	86.95	86.36	85.83
18	87.23	86.75	86.31	86.03	85.74	.....	.....	85.90	86.47	86.93	86.34	85.82
19	87.22	86.75	86.30	86.02	85.72	.....	.....	85.91	86.55	86.90	86.33	85.80
20	87.20	86.73	86.29	86.02	85.70	.....	.....	85.90	86.67	86.86	86.31	85.78
21	87.18	86.71	86.27	86.01	85.69	.....	.....	85.90	86.73	86.83	86.29	85.77
22	87.17	86.69	86.26	86.01	85.68	.....	.....	85.90	86.80	86.82	86.28	85.75
23	87.17	86.68	86.25	86.00	85.67	.....	.....	85.91	86.84	86.79	86.26	85.73
24	87.16	86.67	86.23	86.00	85.65	.....	.....	85.92	86.88	86.77	86.25	85.72
25	87.15	86.65	86.21	85.99	85.64	.....	.....	85.92	86.92	86.75	86.23	85.70
26	87.13	86.63	86.20	85.98	85.62	.....	.....	85.93	86.95	86.73	86.21	85.68
27	87.10	86.62	86.18	85.97	85.61	.....	.....	85.93	86.97	86.71	86.20	85.67
28	87.06	86.60	86.17	85.96	85.60	.....	.....	85.93	87.00	86.69	86.18	85.65
29	87.05		86.16	85.95	85.58	.....	.....	85.94	87.02	86.67	86.15	85.63
30	87.03		86.15	85.94	85.57	.....	.....	85.95	87.03	86.66	86.13	85.62
31	87.01		86.14		85.55		.....	85.95		86.64		85.61

11. U. S. Geol. Survey. On Florida Highway 66, 3.1 miles northwest of Istokpoga Canal. NE¼SW¼ sec. 23, T. 35 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 16 feet, cased to 13, gravel packed 10-16. Land-surface datum is 50.30 feet above msl. Highest water level 50.30 above msl, Oct. 9, 1953; lowest 45.10 above msl, Apr. 25, 1950. Records available: 1948-55. Previously shown as NW¼SW¼ sec. 14.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.01	48.53	47.87	47.68	46.75	46.83	48.57	49.84	49.62	48.40	47.48	46.94
2	47.96	48.49	47.83	48.02	46.72	46.78	48.44	49.99	49.63	48.32	47.45	46.92
3	47.93	48.45	47.79	48.15	46.68	46.73	48.23	50.01	49.78	48.31	47.42	46.90
4	47.90	48.39	47.75	48.13	46.66	46.68	48.08	49.98	49.77	48.25	47.38	46.88
5	47.85	48.33	47.70	48.03	46.61	46.65	47.98	49.64	49.31	48.26	47.34	46.88
6	47.82	48.30	47.65	47.92	46.59	46.63	47.90	49.30	49.30	48.22	47.32	46.85
7	47.80	48.25	47.60	47.85	46.56	46.57	48.75	49.03	49.82	48.17	47.28	46.94
8	47.77	48.65	47.58	47.75	46.53	46.53	48.85	48.88	49.98	48.12	47.25	46.96
9	47.75	48.64	47.53	47.67	46.50	46.48	48.89	48.82	49.98	48.07	47.23	46.97
10	47.72	48.46	47.48	47.60	46.47	46.43	48.70	48.68	49.98	48.31	47.26	46.97
11	47.68	48.42	47.45	47.54	46.44	46.40	48.53	48.55	49.94	48.31	47.26	46.94
12	47.64	48.41	47.41	47.48	46.40	47.50	48.57	48.43	49.80	48.65	47.22	46.92
13	47.62	48.24	47.39	47.43	46.37	47.55	48.60	48.37	49.41	48.65	47.20	46.90
14	47.57	48.20	47.35	47.37	46.34	47.52	48.48	48.35	49.15	48.60	47.17	46.87
15	47.55	48.20	47.31	47.33	46.33	47.42	48.30	48.27	48.96	48.52	47.15	46.87
16	47.52	48.17	47.28	47.30	46.33	47.65	48.25	48.22	48.83	48.37	47.12	46.86
17	47.64	48.28	47.24	47.25	46.28	48.15	48.25	48.14	48.70	48.27	47.10	46.83
18	47.70	48.28	47.20	47.20	46.45	48.15	48.17	48.50	49.70	48.15	47.07	46.82
19	47.73	48.27	47.17	47.15	46.92	48.12	48.01	48.50	49.92	48.09	47.05	46.80
20	47.72	48.27	47.15	47.12	47.12	48.10	48.92	48.40	49.92	48.00	47.03	46.78
21	47.65	48.17	47.12	47.07	47.20	48.14	48.92	48.27	49.54	47.94	47.00	46.77
22	47.60	48.10	47.08	47.03	47.35	48.06	48.77	48.28	49.25	47.90	46.99	46.75
23	47.55	48.07	47.05	47.00	47.37	47.95	48.54	48.22	49.03	47.86	46.98	46.74
24	48.96	48.04	47.61	46.98	47.33	48.00	49.29	48.37	48.88	47.82	46.94	46.72
25	48.96	48.01	47.77	46.95	47.27	48.75	49.32	48.37	49.07	47.78	46.93	46.70
26	48.86	47.98	47.77	46.92	47.18	48.71	49.10	48.30	49.07	47.75	46.92	46.69
27	48.85	47.98	47.74	46.88	47.10	48.50	49.18	48.14	48.75	47.70	46.92	46.69
28	48.84	47.93	47.69	46.84	47.02	48.35	49.18	48.01	48.59	47.65	46.97	46.72
29	48.77		47.84	46.81	46.98	48.20	49.20	47.94	48.50	47.61	46.98	46.80
30	48.70		47.83	46.78	46.93	48.50	49.20	47.87	48.47	47.58	46.97	46.83
31	48.60		47.77		46.87		49.85	47.82		47.53		46.84

12. U. S. Geol. Survey. On Florida Highway 66 near Fort Bassinger. NE¼SW¼ sec. 7, T. 36 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet, cased to 18, gravel packed 15-21. Land-surface datum is 45.60 feet above msl. Highest water level 45.88 above msl, Oct. 9, 1953; lowest 38.97 above msl, June 5, 1950. Records available: 1949-55.

12--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.75	43.25	42.32	41.90	41.11	41.80	45.23	45.12	42.87	42.96	42.24	41.60
2	42.71	43.18	42.28	42.25	41.08	41.77	45.26	44.84	43.10	43.38	42.21	41.55
3	42.67	43.10	42.24	42.23	41.06	41.73	44.70	45.13	43.82	43.32	42.18	41.53
4	42.63	43.02	42.20	42.20	41.03	41.67	44.37	44.91	43.79	43.13	42.15	41.52
5	42.61	42.96	42.17	42.13	41.00	41.59	44.17	44.75	43.41	43.08	42.12	41.72
6	42.58	42.91	42.14	42.05	40.97	41.50	43.85	44.44	43.17	42.87	42.10	41.75
7	42.55	42.88	42.11	42.00	40.95	41.44	43.64	44.09	43.02	42.74	42.07	41.75
8	42.53	43.01	42.08	41.90	40.92	41.37	44.71	45.26	43.53	42.71	42.05	41.91
9	42.50	42.92	42.05	41.82	40.89	41.30	45.11	45.05	43.78	42.69	42.05	41.90
10	42.48	42.80	42.03	41.75	41.03	41.24	45.24	44.75	43.57	42.68	42.05	41.89
11	42.46	42.80	42.00	41.71	41.00	41.75	45.15	44.40	43.37	43.12	42.03	41.86
12	42.43	42.73	41.98	41.68	40.88	42.43	45.52	43.95	43.30	43.88	42.01	41.82
13	42.41	42.65	41.95	41.64	40.84	42.38	45.05	44.59	43.02	43.80	41.99	41.78
14	42.37	42.62	41.90	41.60	40.80	42.31	44.71	44.38	42.85	43.58	41.96	41.75
15	42.33	42.61	41.87	41.54	40.83	42.24	44.41	44.02	42.77	43.47	41.92	41.74
16	42.31	42.57	41.85	41.52	40.83	42.65	44.58	43.85	42.73	43.21	41.90	41.71
17	42.43	42.70	41.82	41.50	40.82	42.98	44.30	43.47	42.67	43.10	41.88	41.67
18	42.34	42.70	41.80	41.48	40.82	42.93	43.99	43.80	43.08	43.10	41.86	41.63
19	42.40	42.68	41.78	41.45	40.80	42.81	43.63	43.58	43.08	42.90	41.83	41.54
20	42.30	42.67	41.75	41.42	40.80	42.76	45.03	43.37	42.87	42.75	41.81	41.51
21	42.27	42.57	41.73	41.40	41.14	43.13	44.85	43.32	44.39	42.66	41.79	41.49
22	42.25	42.51	41.70	41.37	41.53	43.13	44.55	43.30	44.40	42.59	41.77	41.48
23	42.23	42.48	41.68	41.35	41.57	42.96	44.18	43.83	44.12	42.53	41.75	41.47
24	44.57	42.44	42.16	41.32	41.57	42.81	45.47	43.88	43.89	42.49	41.73	41.43
25	44.50	42.40	42.10	41.29	41.76	44.23	45.31	43.83	43.58	42.46	41.72	41.42
26	44.18	42.42	42.07	41.25	41.75	44.20	45.05	43.39	43.34	42.43	41.70	41.40
27	44.15	42.40	42.04	41.22	41.73	43.81	44.74	43.14	43.16	42.40	41.69	41.38
28	43.95	42.35	42.03	41.18	41.69	43.53	44.44	43.03	43.05	42.37	41.68	41.95
29	43.69		42.08	41.15	41.63	44.85	44.47	42.98	42.95	42.34	41.66	41.96
30	43.52		42.03	41.13	41.76	45.38	44.24	42.99	42.96	42.31	41.63	41.96
31	43.35		41.98		41.84		45.28	42.99		42.28		41.95

13. U. S. Geol. Survey. On Florida Highway 70, 0.5 mile west of Kissimmee River bridge. NE¼NE¼ sec. 26, T. 37 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 20 feet, cased to 16, gravel packed 11-20. Land-surface datum is 29 feet above msl. Highest water level 29.40 above msl, Oct. 2, 1951; lowest 23.23 above msl, Apr. 6, 1951. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.03	26.46	25.67	25.88	24.84	24.28	27.85	26.65	25.92	26.23	25.52	24.72
2	26.00	26.40	25.65	26.08	24.81	24.23	27.57	26.57	26.80	26.17	25.48	24.69
3	25.97	26.33	25.62	26.14	24.79	24.22	27.27	27.69	26.80	26.10	25.46	24.67
4	25.95	26.25	25.60	26.14	24.76	24.20	27.24	27.69	26.71	26.03	25.43	24.65
5	25.91	26.22	25.57	26.08	24.73	24.17	27.43	27.51	26.56	26.00	25.40	24.65
6	25.88	26.17	25.53	26.00	24.70	24.15	27.30	27.26	26.42	25.95	25.35	24.69
7	25.87	26.14	25.50	25.94	24.66	24.13	26.96	26.99	27.00	25.88	25.32	24.73
8	25.86	26.10	25.48	25.85	24.64	24.12	26.86	26.86	27.00	25.83	25.28	24.80
9	25.84	26.09	25.43	25.81	24.59	24.08	26.85	26.75	27.00	25.80	25.26	24.82
10	25.82	26.04	25.41	25.75	24.57	24.05	26.75	26.67	26.90	25.77	25.25	24.82
11	25.79	26.00	25.39	25.68	24.55	24.08	27.45	26.57	27.18	25.76	25.25	24.82
12	25.76	26.00	25.36	25.62	24.53	25.15	27.65	26.45	27.20	26.70	25.23	24.80
13	25.73	25.95	25.34	25.57	24.50	25.22	27.35	26.47	26.93	26.82	25.20	24.77
14	25.70	25.90	25.30	25.50	24.47	25.23	27.33	26.48	26.74	26.80	25.17	24.73
15	25.67	25.89	25.27	25.47	24.45	25.23	27.04	26.43	26.58	26.70	25.13	24.69
16	25.64	25.87	25.25	25.42	24.43	25.30	27.45	26.35	26.47	26.58	25.10	24.65
17	25.62	25.94	25.23	25.37	24.42	25.92	27.40	26.26	26.37	26.45	25.08	24.61
18	25.62	25.95	25.22	25.30	24.42	25.93	27.10	26.45	26.52	26.40	25.07	24.57
19	25.73	25.95	25.20	25.25	24.42	25.93	26.88	26.66	26.55	26.35	25.04	24.55
20	25.73	25.95	25.19	25.22	24.38	26.18	27.00	26.68	26.52	26.23	25.00	24.54
21	25.69	25.93	25.14	25.19	24.46	26.19	27.22	26.78	26.62	26.15	24.96	24.53
22	25.64	25.88	25.12	25.12	24.61	26.58	27.03	26.78	26.62	26.06	24.93	24.52
23	25.60	25.85	25.10	25.10	24.66	26.60	26.83	26.64	27.07	25.98	24.90	24.49
24	26.74	25.82	25.77	25.07	24.66	26.56	27.22	26.47	27.07	25.92	24.87	24.48
25	26.77	25.78	25.81	25.03	24.64	28.05	27.22	26.45	26.86	25.86	24.85	24.47

13--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	26.71	25.75	25.82	24.97	24.57	28.05	26.99	26.36	26.67	25.82	24.81	24.45
27	26.71	25.73	25.82	24.95	24.50	27.74	26.80	26.20	26.51	25.75	24.80	24.44
28	26.71	25.71	25.82	24.92	24.44	27.50	26.62	26.12	26.38	25.70	24.79	24.53
29	26.65		25.94	24.88	24.37	28.30	26.52	26.05	26.28	25.65	24.78	24.57
30	26.61		25.95	24.86	24.32	28.30	26.45	26.00	26.22	25.62	24.76	24.60
31	26.53		25.94		24.30		26.65	25.95		25.58		24.60

14. U. S. Geol. Survey. On Florida Highway 25, 0.1 mile south of Florida Highway 70. NE¼NW¼ sec. 4, T. 38 S., R. 30 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 35 feet, cased to 29, gravel packed 25-35. Land-surface datum is 136 feet above msl. Highest water level 127.56 above msl, Oct. 10, 1953; lowest 114.50 above msl, July 1, 1951. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	121.09	120.60	120.21	119.70	119.25	119.40	119.77	119.96	120.10	120.53	119.87	119.30
2	121.07	120.60	120.20	119.70	119.23	119.38	119.85	120.07	120.11	120.51	119.85	119.29
3	121.05	120.59	120.18	119.71	119.21	119.35	119.91	120.14	120.11	120.48	119.83	119.28
4	121.03	120.57	120.16	119.68	119.20	119.30	119.97	120.18	120.12	120.45	119.82	119.26
5	121.02	120.56	120.15	119.66	119.18	119.27	120.02	120.24	120.10	120.42	119.80	119.24
6	121.00	120.55	120.13	119.65	119.17	119.24	120.05	120.28	120.10	120.38	119.78	119.27
7	120.98	120.55	120.12	119.65	119.15	119.20	120.06	120.34	120.10	120.37	119.77	119.25
8	120.96	120.53	120.10	119.63	119.13	119.18	120.07	120.38	120.09	120.34	119.75	119.22
9	120.95	120.52	120.08	119.60	119.11	119.15	120.07	120.41	120.08	120.31	119.73	119.20
10	120.93	120.50	120.07	119.59	119.09	119.12	120.08	120.43	120.07	120.28	119.73	119.18
11	120.91	120.49	120.06	119.57	119.07	119.10	120.07	120.44	120.06	120.25	119.70	119.17
12	120.89	120.47	120.04	119.56	119.05	119.10	120.06	120.45	120.05	120.25	119.68	119.15
13	120.87	120.44	120.03	119.55	119.04	119.08	120.04	120.45	120.03	120.25	119.66	119.14
14	120.85	120.43	120.01	119.53	119.02	119.06	120.02	120.43	120.02	120.22	119.65	119.13
15	120.83	120.42	119.99	119.51	119.00	119.05	120.01	120.42	120.01	120.19	119.63	119.12
16	120.82	120.41	119.97	119.50	118.98	119.09	120.00	120.40	120.02	120.17	119.60	119.10
17	120.80	120.40	119.96	119.49	118.97	119.27	119.99	120.39	120.00	120.15	119.58	119.08
18	120.79	120.40	119.95	119.47	118.95	119.40	119.94	120.35	119.98	120.14	119.57	119.06
19	120.77	120.38	119.98	119.45	118.95	119.48	119.92	120.30	119.97	120.12	119.55	119.04
20	120.74	120.37	119.91	119.43	118.95	119.53	119.89	120.28	119.96	120.08	119.53	119.03
21	120.71	120.35	119.90	119.41	118.95	119.58	119.87	120.26	120.05	120.06	119.51	119.01
22	120.70	120.32	119.88	119.40	119.20	119.60	119.85	120.23	120.22	120.05	119.49	119.00
23	120.69	120.31	119.87	119.39	119.36	119.61	119.83	120.22	120.35	120.03	119.45	118.98
24	120.69	120.29	119.85	119.37	119.42	119.62	119.80	120.20	120.42	120.01	119.43	118.97
25	120.69	120.28	119.83	119.36	119.45	119.62	119.78	120.17	120.46	120.00	119.42	118.95
26	120.67	120.25	119.82	119.35	119.47	120.62	119.78	120.15	120.49	119.98	119.42	118.93
27	120.67	120.24	119.80	119.33	119.47	119.62	119.77	120.13	120.51	119.96	119.39	118.92
28	120.67	120.23	119.78	119.31	119.47	119.61	119.77	120.12	120.52	119.94	119.38	118.90
29	120.65		119.77	119.29	119.46	119.60	119.77	120.10	120.53	119.93	119.35	118.88
30	120.64		119.75	119.27	119.45	119.68	119.77	120.09	120.53	119.92	119.32	118.87
31	120.62		119.73		119.44		119.78	120.08		119.89		118.86

15. U. S. Geol. Survey. On Florida Highway 25, 0.10 mile north of Highlands-Glades County line. SW¼SE¼ sec. 32, T. 39 S., R. 30 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 23 feet, cased to 19, gravel packed 18-23. Land-surface datum is 58.50 feet above msl. Highest water level 58.39 above msl, Oct. 2, 1951; lowest 53.76 above msl, June 24, 1950. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	56.30	56.53	56.04	55.75	54.96	55.25	56.93	57.19	58.08	56.38	55.58	55.04
2	56.26	56.48	56.01	56.07	54.93	55.20	56.62	57.57	58.08	56.25	55.55	55.02
3	56.23	56.43	55.96	56.54	54.90	55.17	56.40	57.57	57.85	56.26	55.52	55.01
4	56.20	56.39	55.95	56.38	54.88	55.13	56.28	56.88	57.45	56.20	55.49	55.00
5	56.12	56.37	55.90	56.21	54.86	55.10	56.22	56.69	56.99	56.12	55.46	54.99
6	56.15	56.32	55.85	56.08	54.83	55.05	56.14	56.51	57.52	56.06	55.44	55.00
7	56.15	56.30	55.80	56.00	54.81	55.02	58.09	56.42	57.37	55.99	55.42	55.07
8	56.13	56.33	55.77	55.92	54.77	54.98	58.17	56.35	57.98	55.96	55.39	55.09
9	56.10	56.29	55.71	55.88	54.76	54.94	58.17	56.30	57.99	55.95	55.40	55.09
10	56.09	56.22	55.68	55.84	54.75	54.90	57.92	56.25	57.62	56.28	55.46	55.09
11	56.05	56.91	55.65	55.78	54.73	54.86	57.93	56.17	58.20	56.37	55.46	55.08
12	56.01	56.74	55.62	55.71	54.72	55.27	57.93	56.23	58.20	56.40	55.43	55.05
13	55.98	56.44	55.59	55.68	54.68	55.35	57.50	56.23	58.05	56.40	55.38	55.04
14	55.95	56.35	55.55	55.62	54.66	55.35	57.30	56.20	57.50	56.28	55.35	55.03
15	55.92	56.31	55.52	55.57	54.62	55.33	57.30	56.20	57.31	56.23	55.33	55.02

15--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	55.90	56.25	55.49	55.53	54.60	55.26	57.27	56.14	56.97	56.12	55.30	55.00
17	55.90	57.08	55.47	55.49	54.58	55.20	56.97	56.03	56.72	56.03	55.29	54.98
18	55.89	57.04	55.45	55.43	54.74	55.17	56.62	55.95	57.88	56.23	55.25	54.97
19	56.01	56.75	55.42	55.40	55.29	55.15	57.00	56.98	57.88	56.15	55.23	54.96
20	55.93	56.55	55.38	55.34	55.45	55.10	58.15	56.97	57.47	56.03	55.22	54.94
21	55.85	56.39	55.35	55.32	55.81	55.19	58.13	56.84	57.51	55.95	55.20	54.93
22	55.84	56.30	55.32	55.26	56.04	55.62	57.97	56.84	57.28	55.90	55.19	54.92
23	55.82	56.28	55.27	55.22	56.02	55.72	57.42	56.53	56.87	55.86	55.17	54.90
24	57.80	56.22	55.35	55.20	55.90	55.72	57.27	56.78	56.66	55.82	55.14	54.89
25	57.80	56.16	55.35	55.15	55.79	55.85	57.27	57.38	56.52	55.77	55.13	54.87
26	57.40	56.14	55.35	55.13	55.70	55.92	56.82	57.37	56.43	55.75	55.11	54.87
27	57.30	56.13	55.71	55.08	55.60	56.60	57.43	56.94	56.35	55.72	55.08	54.86
28	57.16	56.08	55.72	55.05	55.50	56.60	57.29	56.61	56.30	55.70	55.08	54.85
29	56.86		55.94	55.02	55.42	57.25	57.57	56.51	56.29	55.67	55.07	54.85
30	56.70		55.91	54.98	55.35	57.25	57.43	56.40	56.41	55.63	55.05	54.84
31	56.58		55.83		55.29		57.20	57.30		55.60		54.83

Hillsborough County

13. City of St. Petersburg. SE¼SE¼ sec. 21, T. 27 S., R. 18 E. Drilled unused artesian well in Floridan aquifer, diameter 12 inches, depth 300 feet. Land-surface datum is 56.09 feet above msl. Highest water level 4.92 below lsd, Sept. 23, 1947; lowest 11.45 below lsd, June 12, 1945. Records available: 1930-35, 1937, 1939-41, 1944-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	7.86	8.23	8.39	9.75	10.59	10.59	8.39	8.18	7.80	8.75	....
2	....	7.86	8.30	8.30	9.79	10.66	10.48	8.26	8.03	7.86	8.75	....
3	....	7.95	8.35	8.22	9.85	10.73	10.40	8.16	7.83	7.90	8.76	....
4	....	8.05	8.40	8.27	9.89	10.81	10.33	8.18	7.72	7.92	8.80	....
5	8.15	8.07	8.47	8.32	9.92	10.84	10.22	8.19	7.61	7.91	....	....
6	8.18	8.01	8.47	8.34	9.97	10.88	10.17	8.16	7.53	7.95	....	....
7	8.24	7.99	8.48	8.37	10.04	10.92	10.17	8.10	7.49	8.01	....	8.49
8	8.29	7.93	8.62	8.54	10.12	10.98	10.13	7.90	7.46	8.05	....	8.48
9	8.28	7.93	8.64	8.71	10.17	11.07	10.07	7.88	7.47	8.10	....	8.53
10	8.26	7.88	8.63	8.75	10.20	11.19	9.97	7.89	....	8.16	....	8.61
11	8.27	7.80	8.65	8.76	10.24	11.22	9.79	7.91	....	8.15	....	8.58
12	8.32	7.93	8.67	8.79	10.29	11.20	9.71	7.97	....	8.12	....	8.52
13	8.32	7.90	8.72	8.86	10.34	11.19	9.68	8.04	....	8.13	....	8.50
14	8.38	7.76	8.75	8.93	10.40	11.12	9.62	8.10	....	8.19	....	8.49
15	8.33	7.68	8.79	8.89	10.45	11.03	9.57	8.07	....	8.30	....	8.47
16	8.24	7.69	8.83	8.88	10.47	10.97	9.53	8.06	....	8.34	....	8.54
17	8.13	7.72	8.90	8.91	10.45	10.82	9.31	8.13	....	8.29	....	8.59
18	8.07	7.75	8.93	8.96	10.49	10.77	9.13	8.25	7.56	8.32	....	8.61
19	8.04	7.83	8.97	9.00	10.52	10.72	9.01	8.32	7.62	8.44	....	8.65
20	8.13	7.90	9.02	9.06	10.51	10.67	8.98	8.28	7.65	8.53	....	8.66
21	8.07	7.95	9.01	9.11	10.50	10.63	8.94	8.19	7.65	8.55	....	8.67
22	7.99	7.98	9.05	9.16	10.47	10.62	8.88	8.15	7.62	8.57	....	8.70
23	7.91	8.05	9.14	9.24	10.43	10.66	8.89	8.14	7.58	8.60	....	8.78
24	7.85	8.12	9.07	9.31	10.35	10.69	8.79	8.17	7.60	8.61	....	8.85
25	7.90	8.18	8.87	9.36	10.36	10.73	8.73	8.24	7.64	8.62	....	8.86
26	7.85	8.24	8.79	9.39	10.41	10.78	8.71	8.26	7.63	8.66	....	8.85
27	7.72	8.25	8.82	9.44	10.49	10.84	8.70	8.25	7.63	8.72	....	8.86
28	7.70	8.22	8.69	9.54	10.52	10.83	8.66	8.27	7.65	8.75	....	8.93
29	7.77		8.53	9.64	10.51	10.80	8.47	8.28	7.67	8.70	....	9.00
30	7.85		8.49	9.69	10.51	10.71	8.40	8.30	7.72	8.69	....	8.95
31	7.90		8.41		10.55		8.41	8.25		8.75		8.96

30. C. L. Council. NE¼NW¼NE¼ sec. 32, T. 31 S., R. 19 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 500 feet, cased to 34. Land-surface datum is 6.82 feet above msl. Highest water level 13.02 above lsd, Sept. 6, 1950; lowest 1.63 above lsd, May 16, 1952. Records available: 1950-55.

Daily mean water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.48	6.30	5.87	7.09	3.96	6.00	7.07	8.99	8.82	8.80	8.31	7.25
2	8.40	6.35	5.50	7.23	3.99	5.80	7.20	9.05	8.74	8.66	8.00	7.53
3	8.00	6.21	5.40	7.62	3.75	5.71	7.36	9.08	8.93	8.75	7.42	7.77
4	7.60	5.93	5.62	7.68	3.40	5.69	7.49	9.04	9.09	8.90	7.23	7.98
5	7.73	6.11	5.69	7.54	3.37	5.80	7.58	9.07	9.17	8.74	7.03	8.05

30--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	7.81	6.45	5.98	7.55	3.39	5.84	7.65	9.10	9.08	8.57	6.88	8.26
7	7.80	7.23	6.12	7.57	3.25	5.70	7.74	9.17	8.97	8.18	6.84	8.61
8	7.52	7.78	5.36	7.44	3.42	5.41	7.80	9.23	9.10	7.70	6.80	8.71
9	7.05	7.39	4.92	6.97	3.07	5.29	7.83	9.27	9.23	7.50	6.95	8.64
10	6.94	6.77	4.28	6.76	2.45	5.11	7.81	9.24	9.42	7.38	8.30	8.01
11	7.01	7.15	4.25	6.61	2.74	5.32	7.80	9.27	9.51	7.22	8.70	7.53
12	7.09	6.30	4.26	6.14	2.37	6.00	7.81	9.32	9.58	7.70	8.77	7.59
13	7.05	5.48	4.50	6.38	2.18	6.17	7.79	9.31	9.45	8.39	8.89	7.89
14	6.24	5.60	4.68	6.86	2.09	6.21	7.77	9.29	9.44	8.74	8.99	8.04
15	5.68	5.85	4.46	7.50	2.24	6.13	7.87	9.32	9.43	8.71	9.08	8.29
16	6.00	6.00	4.30	7.81	1.92	6.04	7.81	9.30	9.35	8.75	9.06	7.90
17	7.43	6.15	4.27	7.95	2.68	6.17	7.78	9.25	9.37	8.99	8.99	7.17
18	8.20	6.38	4.18	7.75	3.84	6.27	7.82	9.13	9.35	9.00	8.74	7.44
19	8.59	6.21	4.21	6.86	4.28	6.36	7.90	9.08	9.30	8.51	8.67	7.57
20	8.13	6.83	4.50	5.88	5.20	6.48	7.93	9.11	9.24	7.80	8.47	7.55
21	7.25	6.45	4.58	5.48	5.74	6.60	7.97	9.19	9.20	7.39	8.28	7.30
22	7.50	6.09	4.57	5.10	5.89	6.61	7.89	9.29	9.08	7.42	8.09	6.96
23	7.68	5.71	4.87	4.94	6.00	6.68	7.90	9.34	9.05	7.43	7.98	6.54
24	8.04	5.79	4.75	5.10	6.20	6.72	8.02	9.30	9.13	7.48	7.85	6.40
25	8.11	5.87	5.88	5.09	6.20	6.75	8.25	9.26	9.26	7.24	7.80	6.48
26	8.00	5.87	6.38	4.78	6.15	6.80	8.42	9.34	9.29	7.60	7.81	6.62
27	7.64	6.14	6.39	4.69	6.10	6.90	8.46	9.33	9.29	7.57	8.15	6.29
28	7.41	6.17	6.40	4.34	6.12	6.89	8.68	9.29	9.25	7.49	8.50	6.07
29	7.27		6.47	4.00	6.24	6.90	8.80	9.18	9.32	7.89	8.32	6.47
30	6.84		6.57	3.83	6.27	6.95	8.88	8.94	9.11	8.32	7.57	6.66
31	6.44		6.86		6.18		8.92	8.84		8.39		6.60

500. Paul Carter. SW¼NW¼ sec. 9, T. 32 S., R. 20 E. Wimauma. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 330 feet, cased to 97. Land-surface datum is 87.85 feet above msl. Highest water level 48.25 below lsd, Jan. 11, 1954; lowest 55.41 below lsd, May 18, 1955. Records available: 1951-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.27	51.33	52.35	53.35	53.54	54.35	.....	51.22	49.90	49.41	50.97	51.65
2	50.32	51.28	52.43	53.13	53.69	54.31	.....	51.10	49.90	49.45	50.97	51.62
3	50.38	51.36	52.52	53.01	53.87	54.28	.....	51.01	49.89	49.52	50.99	51.65
4	50.40	51.49	52.62	53.00	54.01	54.27	.....	50.97	.....	49.57	51.04	51.70
5	50.41	51.50	52.72	52.96	54.10	54.22	.....	50.94	.....	49.60	51.05	51.72
6	50.48	51.45	52.73	52.87	54.20	54.17	.....	50.92	.....	49.65	51.08	51.65
7	50.58	51.50	52.82	52.71	54.37	54.15	.....	50.84	.....	49.70	51.16	51.65
8	50.70	51.58	53.00	52.68	54.55	54.14	.....	50.68	.....	49.75	51.23	51.69
9	50.78	51.70	52.99	52.70	54.72	54.13	.....	50.61	.....	49.80	51.17	51.81
10	50.87	51.71	53.00	52.61	54.87	54.17	.....	50.54	.....	49.88	51.12	51.91
11	50.95	51.69	53.01	52.52	54.95	54.22	.....	50.48	.....	49.94	51.32	51.87
12	51.08	51.92	53.06	52.50	55.04	54.21	.....	50.40	.....	49.96	51.42	51.83
13	51.14	52.00	53.07	52.46	55.10	54.31	.....	50.39	.....	.....	51.40	51.85
14	51.29	51.97	53.13	52.48	55.18	54.37	.....	50.41	.....	.....	51.31	51.88
15	51.31	51.94	53.16	52.49	55.23	54.35	.....	50.41	.....	.....	51.20	51.85
16	51.27	51.97	53.22	52.46	55.27	54.23	.....	50.32	49.43	.....	51.15	51.89
17	51.30	52.02	53.31	52.44	55.30	54.07	.....	50.24	49.43	.....	51.16	51.90
18	51.38	52.03	53.34	52.46	55.37	54.04	.....	50.22	49.41	.....	51.14	51.92
19	51.49	52.08	53.45	52.41	55.32	.....	.....	50.27	49.42	.....	51.08	51.95
20	51.66	52.16	53.56	52.36	55.26	.....	.....	50.25	49.40	.....	51.13	51.99
21	51.62	52.19	53.62	52.33	55.23	.....	.....	50.20	49.43	.....	51.15	52.00
22	51.52	52.17	53.72	52.31	55.17	.....	.....	50.17	49.46	.....	51.14	52.05
23	51.42	52.18	53.76	52.33	55.05	.....	.....	50.14	49.41	.....	51.15	52.18
24	51.40	52.22	53.78	52.44	54.92	.....	.....	50.08	49.39	.....	51.25	52.30
25	51.62	52.27	53.73	52.56	54.80	.....	.....	50.02	49.42	.....	51.28	52.36
26	51.62	52.32	53.70	52.66	54.71	.....	.....	50.03	49.44	50.50	51.29	52.41
27	51.46	52.33	53.81	52.81	54.65	.....	.....	50.04	49.46	50.59	51.33	52.52
28	51.35	52.32	53.69	53.00	54.59	.....	.....	50.00	49.42	50.65	51.32	52.69
29	51.33		53.62	53.25	54.49	.....	51.33	49.95	49.38	50.65	51.50	52.80
30	51.37		53.61	53.38	54.40	.....	51.26	49.93	49.37	50.77	51.64	52.74
31	51.40		53.46		54.37		51.24	49.90		50.93		52.77

Holmes County

4. Mrs. D. Hughes. Ponce de Leon. NE¼SE¼ sec. 28, T. 4 N., R. 17 W. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 187 feet. Land-surface datum is about 64 feet above msl. Highest water level 5.72 above lsd, Nov. 30, 1948; lowest 1.00 above lsd, Jan. 11, 1955. Records available: 1938, 1947-55. Previously shown as SW¼NE¼ sec. 27, T. 3 N.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	+1.00	May 16	+1.85	Aug. 16	+2.21	Nov. 7	+1.55
Feb. 21	+1.86	June 28	+1.50	Sept. 27	+1.85	Dec. 19	+1.24
Apr. 4	+1.71						

7. Charles McAllister. NW¼NE¼ sec. 36, T. 7 N., R. 14 W. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 205 feet, cased to 170. Highest water level 8.09 below lsd, Apr. 12, 1949; lowest 16.32 below lsd, Dec. 19, 1955. Records available: 1938, 1946-55.

Jan. 11	14.93	May 16	14.80	Aug. 16	15.09	Nov. 7	15.96
Feb. 21	14.19	June 28	15.02	Sept. 27	15.54	Dec. 19	16.32
Apr. 4	14.55						

Indian River County

25. U. S. Geol. Survey. NW¼NW¼ sec. 36, T. 32 S., R. 35 E. Jetted observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 19 feet, cased to 13, gravel packed 11-19. Land-surface datum is 30 feet above msl. Highest water level 31.46 above msl, Oct. 18, 1950; lowest 25.92 above msl, July 8, 1953. Records available: 1950-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.78	28.22	27.55	27.75	26.78	26.22	29.37	.....	28.28	27.79	27.50	26.85
2	27.74	28.15	27.50	28.13	26.73	26.19	29.19	28.23	28.31	27.83	27.46	26.85
3	27.70	28.07	27.46	28.15	26.70	26.17	29.00	28.17	28.84	27.81	27.42	26.85
4	27.66	28.00	27.41	28.05	26.66	26.14	28.85	28.87	28.84	27.82	27.38	26.85
5	27.63	27.97	27.38	27.92	26.62	26.09	28.73	28.87	28.77	27.75	27.36	26.85
6	27.60	27.93	27.34	27.81	26.58	26.06	28.96	28.75	28.61	27.69	27.32	26.92
7	27.58	27.87	27.32	27.72	26.54	26.03	28.94	28.58	28.50	27.63	27.27	26.97
8	27.56	27.83	27.32	27.62	26.53	26.05	28.75	28.43	28.44	27.59	27.25	27.02
9	27.52	27.83	27.27	27.54	26.55	26.01	28.58	28.33	28.49	27.60	27.25	27.03
10	27.50	27.78	27.21	27.49	26.52	25.97	28.50	28.20	28.55	27.64	27.29	27.03
11	27.47	27.75	27.16	27.41	26.47	25.95	28.48	28.07	28.56	27.72	27.29	27.03
12	27.43	27.73	27.12	27.38	26.43	26.07	28.48	27.96	28.44	28.35	27.24	27.03
13	27.40	27.67	27.08	27.33	26.40	26.10	28.42	27.88	28.33	28.63	27.22	27.03
14	27.37	27.63	27.05	27.86	26.36	26.10	28.28	27.81	28.25	28.63	27.21	27.10
15	27.35	27.62	27.00	27.89	26.33	26.06	28.20	27.75	28.23	28.60	27.20	27.11
16	27.33	27.58	26.98	27.85	26.31	26.65	28.15	27.73	28.23	28.47	27.15	27.11
17	27.35	28.10	26.94	27.74	26.29	27.18	28.65	27.65	28.15	28.35	27.09	27.11
18	27.32	28.11	26.92	27.63	26.30	27.23	28.70	27.58	28.34	28.24	27.05	27.11
19	27.39	28.07	26.88	27.53	26.28	27.77	28.50	27.60	28.35	28.17	27.03	27.07
20	27.36	28.03	26.85	27.45	26.30	28.85	28.33	27.61	28.33	28.07	27.00	27.04
21	27.30	27.95	26.81	27.38	26.46	29.37	28.39	27.61	28.30	27.98	26.98	27.02
22	27.26	27.86	26.78	27.32	26.62	29.37	28.37	27.57	28.26	27.93	26.95	26.99
23	27.23	27.81	26.74	27.22	26.67	29.30	28.22	27.52	28.17	27.87	26.93	26.97
24	28.67	27.73	27.62	27.17	26.70	29.28	28.14	27.57	28.07	27.81	26.90	26.94
25	28.73	27.68	27.72	27.12	26.66	29.01	.....	27.76	28.07	27.77	26.87	26.92
26	28.72	27.69	27.72	27.05	26.62	29.01	.....	27.81	28.02	27.72	26.85	26.87
27	28.60	27.69	27.70	26.99	26.56	28.82	.....	27.76	27.90	27.68	26.84	26.88
28	28.56	27.60	27.94	26.94	26.49	28.70	.....	27.68	27.85	27.65	26.86	27.07
29	28.48		27.99	26.89	26.41	29.26	.....	27.61	27.80	27.61	26.87	27.10
30	28.40		27.95	26.83	26.35	29.37	.....	27.58	27.79	27.60	26.86	27.12
31	28.30		27.84		26.27		.....	27.53		27.57		27.12

Jackson County

15. Town of Campbellton. NW¼SE¼ sec. 2, T. 6 N., R. 12 W. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 315 feet, cased to 298. Highest water level 51.36 below lsd, Sept. 30, 1949; lowest 65.20 below lsd, Mar. 16, 1955. Records available: 1949-55.

15--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	60.24	60.47	60.58	60.84	60.35	59.35	59.10	58.94	59.05	.....	.....	60.70
2	60.30	60.44	60.66	60.66	60.24	59.35	59.19	58.87	58.89	.....	.....	60.74
3	60.31	60.50	60.65	60.55	60.33	59.42	59.10	58.85	58.87	.....	.....	60.68
4	60.31	60.58	60.60	60.54	60.37	59.44	59.07	58.80	58.95	.....	.....	60.81
5	60.34	60.48	60.66	60.65	60.36	59.35	59.05	58.89	58.99	.....	.....	60.63
6	60.26	60.24	60.71	60.62	60.48	59.36	59.19	58.86	59.00	.....	.....	60.59
7	60.31	60.24	60.70	60.62	60.40	59.35	59.30	58.79	e59.00	.....	e60.11	60.53
8	60.35	60.25	60.69	60.64	60.35	59.17	59.48	58.77	59.00	.....	60.09	60.54
9	60.38	60.30	60.60	60.72	60.23	59.29	59.30	58.63	59.05	.....	60.21	60.59
10	60.35	60.26	60.53	60.65	60.19	59.12	59.20	58.85	.....	.....	60.13	60.59
11	60.35	60.25	60.45	60.56	60.19	58.93	59.09	58.86	59.20	.....	60.11	60.75
12	60.37	60.31	60.66	60.60	60.24	58.87	59.15	58.93	.....	.....	60.26	60.81
13	60.41	60.37	60.72	60.57	60.35	58.87	59.09	58.84	.....	.....	60.35	60.65
14	60.37	60.32	60.76	60.36	60.19	58.86	59.07	58.78	59.10	.....	60.26	60.67
15	60.34	60.47	60.99	60.40	60.05	58.89	59.07	58.77	.....	.....	60.30	60.72
16	60.28	60.47	60.98	60.39	60.00	58.90	59.13	59.00	.....	.....	60.30	60.64
17	60.34	60.40	60.99	60.40	59.92	58.86	59.05	59.00	59.00	.....	60.35	60.59
18	60.29	60.30	60.80	60.46	60.01	58.86	59.07	59.05	.....	.....	60.40	60.86
19	60.28	60.42	60.76	60.40	60.00	58.89	59.10	59.07	59.31	.....	60.40	60.86
20	60.30	60.35	60.82	60.38	60.07	58.99	59.09	59.42	59.53	.....	60.35	60.80
21	60.33	60.40	60.73	60.34	60.00	59.05	59.11	59.15	.....	.....	60.34	60.77
22	60.29	60.50	60.51	60.24	59.63	59.18	59.07	59.22	59.32	.....	60.35	60.88
23	60.23	60.48	60.48	60.18	59.72	59.12	59.08	59.22	e59.44	.....	60.34	60.78
24	60.23	60.46	60.65	60.13	59.69	59.04	59.10	59.13	e59.42	.....	60.48	60.84
25	60.24	60.60	60.69	60.10	59.44	58.99	59.11	59.05	e59.40	.....	60.37	60.87
26	60.37	60.55	60.73	60.15	59.59	58.99	59.03	59.01	.....	.....	60.44	60.84
27	60.30	60.54	60.70	60.19	59.53	59.04	59.05	58.84	e59.72	.....	60.37	60.85
28	60.44	60.59	60.57	60.19	59.49	59.02	59.03	58.92	.....	.....	60.42	60.96
29	60.40		60.63	60.20	59.45	58.96	59.01	58.98	.....	.....	60.43	61.06
30	60.44		60.64	60.33	59.39	59.04	59.04	59.02	.....	.....	60.64	60.91
31	60.45		60.71		59.33		59.02	59.10		.....		61.01

e Estimated.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.00	64.28	64.70	65.00	64.50	63.65	63.39	63.01	62.63	.....	e63.80	64.71
2	64.14	64.30	64.75	64.91	64.65	63.49	63.25	62.89	62.42	63.43	.....	64.65
3	64.05	64.27	64.68	64.60	64.67	63.60	63.12	62.89	62.55	.....	e63.72	64.80
4	64.06	64.34	64.74	64.70	64.67	63.59	63.33	62.88	62.52	e63.38	e63.79	64.74
5	64.01	64.40	64.68	64.70	64.71	63.62	63.25	62.88	62.55	.....	.....	64.53
6	64.10	64.02	64.79	64.66	64.73	63.56	63.39	62.90	62.72	.....	e63.90	64.45
7	64.15	63.95	64.74	64.65	64.63	63.49	63.66	62.80	.....	e63.44	63.92	64.40
8	64.18	64.30	64.78	64.70	64.54	63.48	63.51	62.75	62.80	.....	64.10	64.40
9	63.97	64.00	64.86	64.81	64.34	63.43	63.33	63.16	62.75	e63.62	64.06	64.47
10	64.14	64.02	64.77	64.70	64.39	63.29	63.23	62.88	63.00	e63.51	64.01	64.69
11	64.15	63.93	65.14	64.63	64.36	63.00	63.12	62.96	63.06	.....	64.21	64.74
12	64.11	64.60	64.80	64.68	64.64	62.90	63.22	62.76	62.99	e63.67	64.25	64.73
13	64.14	64.40	64.83	64.60	64.52	62.98	63.17	62.62	62.78	.....	64.25	64.58
14	64.25	64.60	65.12	64.44	64.30	63.14	63.10	62.67	62.70	e63.65	64.31	64.62
15	64.24	64.48	65.10	64.37	64.29	63.11	63.11	62.93	e62.78	e63.50	64.35	64.64
16	64.02	64.44	65.20	64.49	64.08	63.00	63.19	62.81	62.81	.....	64.24	64.60
17	64.25	64.39	65.18	64.43	64.07	62.99	63.12	62.92	63.68	e63.63	64.39	65.00
18	64.20	64.19	65.00	64.51	64.11	63.17	63.15	63.12	.....	.....	64.56	64.38
19	64.00	64.40	64.95	64.51	64.23	63.04	63.33	63.15	63.85	.....	64.30	64.25
20	64.40	64.26	64.91	64.48	64.23	63.22	63.18	63.12	63.89	e63.70	64.26	64.20
21	64.10	64.41	64.80	64.50	64.04	63.40	63.17	62.96	e63.10	.....	64.24	64.46
22	64.12	64.43	60.85	64.32	64.07	63.47	63.10	63.09	63.41	e63.98	64.27	64.25
23	64.11	64.56	65.10	64.24	61.95	63.25	63.10	62.99	e63.26	.....	64.38	64.28
24	64.03	64.41	64.82	64.21	63.81	63.14	63.12	62.78	e63.45	e64.02	64.43	64.41
25	64.40	64.63	64.75	64.21	63.83	63.07	63.20	62.70	e63.44	e63.99	64.39	64.28
26	64.11	64.60	64.80	64.36	63.61	63.20	63.21	62.64	.....	.....	64.36	64.31
27	64.20	64.46	65.01	64.34	63.60	63.21	63.12	62.55	e63.40	e63.90	64.27	64.23
28	64.32	64.60	64.89	64.36	63.60	63.08	63.06	62.66	.....	.....	64.54	64.54
29	64.59		64.70	64.60	63.49	63.13	63.03	62.89	63.60	e63.75	64.99	64.38
30	64.31		64.76	64.60	63.41	63.36	61.83	62.99	.....	e63.82	64.90	64.49
31	64.50		64.93		63.56		61.46	62.90		.....		64.49

e Estimated.

23. Florida State Hospital. NE¼NW¼ sec. 36, T. 4 N., R. 7 W. Drilled irrigation artesian well in Floridan aquifer, diameter 12 inches, depth 475 feet, cased to 100. Highest water level 26.57 below lsd, May 8, 1953; lowest 43.76 below lsd, Nov. 2, 1951. Records available: 1950-55. Recording gage removed Feb. 15. Jan. 11, 42.35; Feb. 21, 39.57; Apr. 4, 38.57; May 16, 33.86; June 28, 34.40; Aug. 16, 34.03; Dec. 19, 34.18.

Lake County

18. Maurice Brantley. NE¼SW¼ sec. 31, T. 17 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 190 feet. Land-surface datum is about 99.2 feet above msl. Highest water level 49.6 below lsd, November 1948; lowest 58.97 below lsd, Sept. 13, 1955. Records available: 1936-55. Jan. 7, 55.91; May 7, 56.25; June 18, 57.74; July 26, 57.86; Sept. 13, 58.97; Oct. 28, 58.11.

19. J. W. Jones. SW¼SW¼ sec. 20, T. 17 S., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, reported depth 296 feet. Land-surface datum is 94.3 feet above msl. Highest water level 48.9 below lsd, December 1947; lowest 56.21 below lsd, May 7, 1955. Records available: 1936-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	54.12	May 7	56.21	July 26	55.62	Oct. 28	55.28
Feb. 11	54.37	June 18	56.13	Sept. 13	55.53	Dec. 10	55.52
Mar. 26	54.54						

20. Margarite E. Wilson. Fernandez Grant. Sec. 38, T. 17 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, reported depth 252 feet. Land-surface datum is 10.7 feet above msl. Highest water level 11.3 above lsd, October 1945; lowest 6.64 above lsd, June 3, 1955. Records available: 1936-55. Previously shown as NE¼NE¼ sec. 22.

Jan. 13	+8.01	May 12	+6.72	July 15	+8.00	Oct. 6	+7.57
Mar. 5	+8.4	June 3	+6.64	Aug. 25	+7.00	Nov. 21	+7.72
Apr. 7	+8.1						

22. Earl Little. Astor. Levy Grant. Sec. 37, T. 15 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 254 feet. Land-surface datum is 16.5 feet above msl. Highest water level 0.5 above lsd, October 1945; lowest 2.8 below lsd, October 1949. Records available: 1936-55. Previously shown as SW¼NW¼ sec. 29.

Jan. 28	1.57	Apr. 22	2.22	July 15	2.45	Oct. 6	2.15
Mar. 2	1.88	May 30	2.24	Aug. 26	2.60	Nov. 17	1.22

Lee County

246. U. S. Geol. Survey. SE¼NE¼ sec. 20, T. 44 S., R. 25 E. Drilled observation water-table well in shell marl of Tamiami formation, diameter 8 inches, depth 27 feet, cased to 19. Highest water level 19.50 above msl, Oct. 2, 1951; lowest 9.69 above msl, June 10, 1949. Records available: 1945-55. Affected by pumping of nearby wells.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.87	17.33	16.50	15.48	12.53	11.92	13.33	e16.00	15.35	16.48	15.20	13.49
2	16.83	17.30	16.47	15.67	13.07	12.27	13.67	e16.20	15.52	16.46	15.17	'3.23
3	16.80	17.24	16.42	16.04	12.16	11.50	14.30	16.76	15.65	16.46	15.08	13.21
4	16.78	17.17	16.37	16.06	11.98	11.95	14.75	16.56	15.76	16.22	15.00	13.33
5	16.75	17.12	16.32	16.04	12.70	11.78	15.08	16.45	15.93	16.35	14.89	13.32
6	16.73	17.08	16.30	15.96	11.90	11.95	14.90	16.53	15.62	16.10	14.68	13.10
7	16.71	17.04	16.26	15.92	12.38	11.63	14.96	16.36	15.84	16.04	14.67	13.27
8	16.68	17.30	16.22	15.84	12.29	11.55	14.87	16.45	18.16	e15.85	14.28	13.36
9	16.65	17.20	16.15	15.77	12.44	10.83	14.90	16.17	18.40	15.83	14.05	13.31
10	16.62	17.05	16.12	15.72	11.55	11.60	14.90	16.03	18.32	15.80	14.50	13.36
11	16.63	17.39	16.08	15.67	11.43	11.58	15.10	15.89	17.99	15.53	14.29	13.32
12	16.58	17.29	16.06	15.62	11.32	11.70	14.90	15.78	17.90	15.45	14.26	13.47
13	16.55	17.04	16.04	15.55	11.91	12.00	14.95	15.69	17.65	15.44	14.27	13.24
14	16.50	16.97	16.00	15.50	11.18	12.30	14.72	15.50	17.68	15.53	14.20	13.25
15	16.47	16.95	15.97	15.45	11.77	12.32	14.65	15.58	17.75	15.37	14.00	13.05
16	16.45	16.89	15.93	15.43	11.75	12.46	14.40	15.37	17.48	15.27	13.77	13.10
17	16.47	17.13	15.90	15.36	10.98	12.63	14.50	15.30	17.32	15.33	13.87	13.07
18	16.45	17.10	15.87	15.32	11.73	12.70	14.45	14.84	17.20	15.17	13.82	13.03
19	16.53	17.00	15.83	15.29	11.70	12.78	14.14	15.05	17.09	15.93	13.85	12.97
20	16.45	16.93	15.80	15.27	11.83	12.86	13.98	15.17	16.95	15.83	13.74	12.82

246--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	16.38	16.83	15.77	15.25	12.00	12.76	14.07	14.87	17.24	15.53	13.90	12.79
22	16.37	16.79	15.73	13.90	12.13	12.76	14.03	15.00	17.50	15.58	13.53	12.63
23	16.34	16.75	15.68	14.42	12.24	12.80	13.97	14.76	17.92	15.34	13.52	12.60
24	17.98	16.70	15.65	13.55	12.32	12.82	13.87	14.95	17.55	15.73	13.47	12.59
25	17.95	16.67	15.67	14.04	12.34	12.73	13.90	15.46	17.45	15.80	13.65	12.50
26	17.65	16.63	15.63	13.06	12.37	12.83	13.75	15.60	17.32	15.81	13.42	12.67
27	17.92	16.58	15.58	12.82	12.40	12.87	14.48	15.65	17.07	15.38	13.50	12.22
28	17.83	16.55	15.57	13.38	12.32	12.77	15.55	15.66	16.91	15.20	13.47	12.45
29	17.70		15.57	12.57	12.03	12.87	15.65	15.67	16.76	15.18	13.45	12.47
30	17.57		15.52	13.08	12.40	13.17	e15.70	14.74	16.52	15.26	13.39	12.30
31	17.43		15.50		11.48		e15.80	15.05		15.40		12.33

e Estimated.

367. J. H. Roediger. West side of McGregor Blvd., about 0.7 mile south of Whisky Creek. SE¼SE¼ sec. 9, T. 45 S., R. 24 E. Drilled irrigation artesian well in limestone of Floridan aquifer, diameter 6 inches, reported depth 1,060 feet. Land-surface datum is 7.24 feet above msl. Highest water level 36.5 above msl, Sept. 25, 1944; lowest 27.5 above msl, Dec. 3, 1954. Records available: 1944, 1950-54. No measurement made in 1955.

414. Lee County and City of Fort Myers. NE¼NW¼ sec. 21, T. 44 S., R. 26 E. Drilled unused water-table well in limestone of Hawthorn formation, diameter 8 inches, depth 94 feet, cased to 60. Land-surface datum is 20.80 feet above msl. Highest water level 19.77 above msl, Oct. 2, 1951; lowest 11.15 above msl, May 12, 1955. Records available: 1948-55. Affected by nearby wells being pumped.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.38	18.03	15.03	14.27	13.32	17.63	19.08	19.21	18.53	18.33	17.23	16.62
2	16.86	18.02	15.87	14.20	12.35	17.62	19.13	19.17	18.38	18.27	17.22	16.65
3	16.04	17.97	15.10	16.05	11.95	17.60	19.12	19.09	18.46	18.21	17.16	16.69
4	16.22	17.84	14.90	16.44	12.76	17.54	19.07	18.95	18.42	18.19	17.12	16.70
5	15.29	17.76	15.23	16.53	13.94	17.48	19.10	19.00	18.33	18.17	17.11	16.70
6	15.47	17.76	15.08	16.55	14.70	17.45	19.03	19.00	18.29	18.13	17.00	16.67
7	15.02	17.76	15.53	15.38	14.25	17.40	18.90	18.90	18.76	18.02	16.94	16.87
8	16.10	17.72	15.22	15.63	15.29	17.36	18.87	18.78	19.34	17.97	16.90	16.98
9	16.70	17.78	14.82	16.25	15.54	17.31	19.05	18.65	19.47	17.95	17.02	17.03
10	16.28	17.78	14.32	16.40	15.56	17.24	19.24	18.52	19.50	17.87	17.10	17.07
11	16.46	17.82	13.80	16.43	13.40	18.05	19.24	18.43	19.48	17.69	17.12	17.10
12	16.44	17.90	13.90	15.25	11.60	18.68	19.16	18.40	19.37	17.57	17.13	17.10
13	16.60	17.90	14.27	14.42	11.72	18.75	19.00	18.30	19.16	17.64	17.13	17.12
14	15.67	17.87	14.37	15.07	13.95	18.75	18.87	18.19	19.03	17.61	17.13	17.08
15	15.37	17.85	14.90	15.35	15.06	18.68	18.85	18.19	18.95	17.58	17.11	17.04
16	15.67	17.00	15.21	13.15	15.17	18.72	18.75	18.24	18.84	17.50	16.95	17.02
17	16.10	17.05	14.62	13.03	15.02	18.75	18.66	18.22	18.77	17.32	16.76	16.93
18	16.09	17.55	13.73	12.43	15.67	18.68	18.61	18.10	18.69	17.78	16.73	16.85
19	16.76	17.66	14.40	13.77	16.32	18.68	18.52	18.28	18.62	17.89	16.73	16.84
20	16.83	17.68	14.50	14.50	16.98	18.58	18.40	18.42	18.84	17.88	16.76	16.84
21	15.85	17.53	14.42	15.07	17.38	18.50	18.48	18.41	18.87	17.81	16.80	16.78
22	16.35	17.35	14.58	14.52	17.54	18.44	18.54	18.39	18.95	17.78	16.78	16.67
23	16.55	16.03	14.27	15.47	17.82	18.35	18.64	18.35	19.07	17.70	16.75	16.67
24	17.35	14.63	13.75	15.85	18.17	18.36	18.61	18.31	19.07	17.62	16.70	16.70
25	17.87	15.87	14.62	16.02	18.20	18.32	18.48	18.57	19.02	17.57	16.54	16.70
26	18.01	16.53	14.80	16.07	18.20	18.23	18.36	18.65	18.88	17.39	16.52	16.65
27	18.12	17.02	15.63	16.07	18.07	18.29	18.43	18.62	18.68	17.30	16.58	16.57
28	18.15	17.17	15.54	15.10	17.94	18.74	18.57	18.53	18.56	17.19	16.61	16.48
29	18.15		16.11	13.70	17.84	18.95	18.84	18.43	18.47	17.17	16.63	16.43
30	18.13		16.05	14.65	17.76	19.01	18.97	18.32	18.42	17.24	16.63	16.40
31	18.07		14.02		17.70		19.16	18.20		17.24		16.34

Leon County

7. City of Tallahassee. NW¼NW¼ sec. 31, T. 1 N., R. 1 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 314 feet, cased to 165. Land-surface datum is 186.5 feet above msl. Highest water level 148.84 below lsd, Apr. 26, 1948; lowest 169.70 below lsd, June 3, 1955. Records available: 1945-55. Depth previously shown as 211 feet.

7--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	168.70	.....	168.71	169.01	169.24	169.53	169.37	169.15	168.56	.....	168.58	169.03
2	168.70	168.78	168.75	168.88	c169.43	c169.75	169.38	.....	168.52	.....	168.58	169.00
3	168.74	168.83	168.77	168.93	c169.65	c169.75	169.33	169.05	168.50	.....	168.58	169.03
4	168.72	168.86	168.78	168.98	c169.60	c169.72	169.33	169.03	168.50	168.18	168.61	169.00
5	168.72	168.78	168.84	169.01	c169.75	169.51	169.33	168.99	168.50	168.18	168.59	168.99
6	168.74	168.67	168.81	168.98	c169.91	c169.85	169.31	168.91	168.48	168.22	168.58	168.96
7	168.82	168.73	168.84	168.97	c169.75	c169.60	169.31	168.82	168.45	.....	168.62	168.95
8	168.80	168.75	168.88	169.05	169.45	c169.63	169.32	168.78	168.48	.....	168.65	168.97
9	168.79	168.77	168.88	169.08	169.40	c169.90	169.29	168.80	168.50	.....	168.61	169.05
10	168.80	168.71	168.87	169.00	169.45	c170.03	169.25	.....	168.45	.....	168.55	169.06
11	168.85	168.69	168.87	168.99	c169.73	169.48	169.27	.....	168.43	c168.52	168.68	169.02
12	168.85	168.83	c169.01	169.03	c169.75	169.55	169.31	.....	168.45	c168.48	168.70	169.05
13	168.85	168.80	168.92	169.02	c169.63	.....	169.34	.....	.....	c168.48	168.69	169.09
14	168.89	168.73	168.98	169.02	169.43	c170.08	169.33	.....	168.42	c168.40	168.68	169.10
15	168.84	.....	168.99	169.05	169.30	c170.05	169.33	.....	168.37	c168.46	168.68	169.08
16	168.80	168.73	169.05	169.04	169.34	c169.57	169.31	168.63	168.35	168.34	168.70	169.12
17	168.86	168.71	169.10	169.05	169.33	169.42	169.31	168.66	168.32	168.31	168.78	.....
18	168.80	168.70	168.99	169.12	169.33	169.38	169.34	168.72	168.25	168.38	168.72	.....
19	168.90	168.70	c169.44	169.14	169.33	169.36	169.36	c168.88	168.23	168.44	168.72	.....
20	168.93	168.70	169.08	169.14	169.31	169.39	169.35	c168.77	168.21	168.48	168.75	169.18
21	168.86	168.71	169.02	169.11	169.30	c169.64	163.35	c168.77	168.22	168.48	168.80	169.15
22	168.83	168.68	169.00	169.07	169.28	c170.05	169.34	c168.78	168.22	168.48	168.83	169.15
23	168.82	168.70	169.04	169.07	169.29	c169.68	169.32	168.63	168.18	168.47	168.84	169.18
24	168.87	168.71	169.08	169.04	169.30	c169.50	169.29	168.60	168.17	168.48	168.83	169.22
25	168.95	168.73	169.02	169.10	169.31	c169.53	169.34	168.59	168.15	168.50	168.80	169.18
26	168.92	168.73	169.03	169.12	169.36	169.39	169.33	168.58	168.20	168.50	168.83	169.19
27	168.85	168.69	169.06	169.18	169.38	169.41	169.31	168.55	168.20	168.54	168.78	169.26
28	168.83	168.72	169.00	169.21	169.38	169.43	169.35	168.51	168.17	168.52	168.85	169.32
29	168.85		169.02	169.29	169.35	169.43	169.28	168.55	168.15	168.45	169.03	169.34
30	168.85		169.05	169.30	169.40	c169.55	169.24	168.54	168.18	168.49	169.05	169.31
31	168.84		169.03		169.39		169.16	168.57		168.56		169.33

c Nearby well being pumped.

28. John S. Phipps. NE¼NE¼ sec. 15, T. 2 N., R. 1 W. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, reported depth 200 feet. Land-surface datum is 190.04 feet above msl. Highest water level 137.31 below lsd, May 15, 1950; lowest 144.35 below lsd, Nov. 9, 1951. Records available: 1950-54. Measurement discontinued.

36-A. Replaces well 36. U. S. Geol. Survey. Formerly Dawkins Pond Church. SE¼SW¼ sec. 30, T. 3 N., R. 2 E. Drilled observation water-table well in sandy clay of Hawthorn formation, diameter 1¼ inches, depth 41 feet, cased to 38, screen 38-41. Highest water level 0.12 above lsd, Oct. 4, 1948; lowest dry, Mar. 1, 1955. Records available: 1935-37, 1942-44, 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	30.33	Apr. 28	30.36	July 22	30.78	Oct. 27	31.18
Mar. 1	(f)	May 26	30.53	Aug. 30	30.88	Nov. 29	31.68
Apr. 5	30.35	June 28	30.64	Sept. 29	31.04	Dec. 29	32.02

f Dry.

115. W. F. Christian. NW¼NW¼ sec. 5, T. 1 N., R. 1 W. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, depth 194 feet, cased to 104. Highest water level 81.9 below lsd, Apr. 13, 1950, Nov. 30, 1953; lowest 93.1 below lsd, July 22, 1955. Records available: 1950-55.

Apr. 29	91.6	July 22	93.1	Sept. 29	92.2	Nov. 29	92.1
May 26	91.7	Aug. 30	92.6	Oct. 27	92.4	Dec. 29	92.7

Madison County

18. Florida State Road Dept. Near Madison. SW¼NW¼ sec. 21, T. 1 N., R. 9 E. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, depth 322 feet, cased to 307. Land-surface datum is 100.56 feet above msl. Highest water level 25.54 below lsd, Feb. 2, 1954; lowest 35.20 below lsd, Aug. 26, 1955. Records available: 1952-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.08	34.29	33.77	34.12	34.00	c34.87	34.80	35.04	35.13	33.86	33.93	34.22
2	34.13	34.22	33.79	33.98	34.05	34.54	34.80	35.03	35.11	33.86	33.91	34.15
3	34.18	34.30	33.82	34.03	c34.34	34.52	34.80	35.02	35.10	33.87	33.91	34.13
4	34.13	34.38	33.82	34.14	c34.55	34.51	34.78	35.05	35.09	33.82	33.96	34.14
5	34.08	34.27	33.83	34.23	c34.43	34.49	34.78	35.08	35.08	33.79	33.92	34.13

18--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	34.10	34.13	33.78	34.18	c34.25	34.52	34.77	35.06	35.02	33.78	33.89	34.13
7	34.18	34.13	33.82	34.13	34.11	34.51	34.78	35.03	34.94	33.78	33.93	34.10
8	34.20	34.22	33.91	34.24	34.12	c34.95	34.79	34.97	34.95	33.77	33.96	34.14
9	34.19	34.25	c34.30	34.28	34.18	c35.05	34.81	35.00	34.97	33.78	33.90	34.28
10	34.17	34.17	c34.35	34.25	34.26	c35.05	34.80	35.03	34.93	33.78	c33.77	34.37
11	34.25	34.10	c34.03	34.16	34.26	34.63	34.85	34.99	34.88	33.75	c33.98	34.33
12	34.29	34.35	c34.08	34.14	c34.46	34.65	34.94	34.99	34.87	33.67	34.07	34.30
13	34.30	34.31	c34.16	34.15	c34.82	34.72	35.00	35.05	34.87	33.61	34.07	34.33
14	c34.63	34.11	33.93	34.16	c34.87	34.75	34.98	35.12	34.83	33.65	34.01	34.32
15	34.42	33.99	33.94	34.13	34.24	c35.32	34.95	35.11	34.73	33.72	33.96	34.28
16	34.23	33.95	33.95	34.08	34.23	c35.13	34.95	.....	34.65	33.70	33.96	34.35
17	c34.60	33.94	33.97	34.07	34.18	34.74	34.96	.....	34.60	33.64	34.07	34.35
18	34.37	33.94	33.96	34.10	34.22	34.67	34.98	.....	34.47	33.73	34.08	34.35
19	34.33	33.94	33.96	34.06	34.25	34.68	35.00	.....	34.32	33.86	34.00	34.38
20	34.47	33.93	34.03	34.04	34.25	34.70	34.99	.....	34.25	33.93	34.13	34.38
21	34.39	33.93	33.97	33.98	34.26	34.70	35.00	.....	34.25	33.90	34.08	34.35
22	34.31	33.89	34.00	33.94	34.32	34.71	35.00	35.11	34.21	33.85	34.05	34.33
23	34.34	33.88	34.12	33.93	34.33	34.74	35.00	.....	34.13	33.87	34.06	34.36
24	34.38	33.91	34.05	33.90	34.31	34.78	35.00	.....	34.07	33.82	34.10	34.42
25	34.48	33.95	33.98	33.88	34.30	34.78	35.03	35.17	34.05	33.81	34.06	34.40
26	34.46	33.93	34.03	33.90	34.33	34.75	35.05	35.20	34.05	33.80	34.08	34.42
27	34.32	33.86	34.22	33.90	34.39	34.78	35.04	35.17	34.05	33.82	34.04	34.50
28	34.29	33.80	34.12	33.95	34.45	34.80	35.00	35.14	33.97	33.80	34.05	34.58
29	34.33		34.07	33.97	34.43	34.80	34.98	35.13	33.90	33.72	34.25	34.58
30	34.37		34.15	33.99	c34.83	34.80	34.96	35.13	33.87	33.83	34.28	34.48
31	34.38		34.13		c34.82		35.00	35.14		33.93		34.52

c Nearby well being pumped.

Manatee County

92. Ray E. Anderson. SE¼SE¼ sec. 9, T. 35 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 600 feet, cased to 154. Land-surface datum is 79.77 feet above msl. Highest water level 35.67 below lsd, Oct. 7, 1946; lowest 45.62 below lsd, May 22, 1955. Records available: 1941-55. Diameter previously shown as 5 inches.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.80	41.99	43.12	44.20	43.80	45.16	43.81	41.69	40.66	40.24	41.75	43.05
2	40.86	42.07	43.20	44.01	43.92	45.13	43.77	41.60	40.58	40.26	41.80	42.99
3	40.95	42.29	43.30	43.85	44.08	45.11	43.74	41.46	40.52	40.30	41.87	42.98
4	40.98	42.52	43.36	43.82	44.21	45.08	43.69	41.45	40.50	40.33	41.92	42.96
5	40.98	42.58	43.46	43.77	44.29	45.00	43.62	41.46	40.47	40.35	41.95	42.96
6	41.05	42.50	43.51	43.65	44.33	44.93	43.52	41.40	40.41	40.40	41.95	42.98
7	41.14	42.51	43.54	43.51	44.37	44.89	43.45	41.29	40.35	40.45	42.00	42.98
8	41.29	42.60	43.71	43.46	44.50	44.82	43.38	41.15	40.35	40.46	42.06	42.97
9	41.37	42.73	43.82	43.50	44.64	44.79	43.27	41.10	40.38	40.51	42.03	43.10
10	41.41	42.68	43.81	43.42	44.81	44.81	43.15	41.05	40.38	40.57	41.95	43.24
11	41.47	42.60	43.80	43.34	44.91	44.82	43.07	40.98	40.35	40.58	42.15	43.21
12	41.61	42.83	43.84	43.27	44.99	44.80	43.08	40.90	40.34	40.53	42.34	43.15
13	41.68	42.89	43.87	43.20	45.08	44.88	43.10	40.91	40.38	40.48	42.42	43.15
14	41.84	42.81	43.93	43.19	45.15	44.90	43.05	40.94	40.36	40.49	42.39	43.15
15	41.85	42.72	43.98	43.16	45.22	44.84	42.95	40.89	40.26	40.60	42.32	43.11
16	41.81	42.70	44.07	43.12	45.32	44.70	42.88	40.81	40.24	40.64	42.30	43.15
17	41.85	42.70	44.15	43.07	45.35	44.61	42.79	40.80	40.23	40.59	42.33	43.19
18	41.90	42.66	44.19	43.07	45.42	44.59	42.70	40.87	40.21	40.65	42.33	43.20
19	41.97	42.65	44.23	43.04	45.49	44.55	42.62	40.90	40.20	40.82	42.29	43.23
20	42.17	42.70	44.34	43.00	45.52	44.51	42.56	40.90	40.20	40.96	42.35	43.24
21	42.18	42.73	44.35	42.95	45.53	44.43	.....	40.89	40.24	41.02	42.39	43.26
22	42.12	42.70	44.40	42.88	45.58	44.35	.....	40.87	40.25	41.05	42.38	43.27
23	42.03	42.74	44.55	42.88	45.54	44.30	.....	40.82	40.22	41.11	42.41	43.33
24	42.05	42.81	44.57	42.94	45.44	44.25	.....	40.77	40.20	41.15	42.48	43.42
25	42.28	42.89	44.50	43.00	45.40	44.16	.....	40.78	40.22	41.17	42.49	43.46
26	42.27	42.98	44.47	43.06	45.37	44.07	.....	40.79	40.27	41.24	42.48	43.46
27	42.08	43.05	44.61	43.15	45.37	44.02	.....	40.75	40.28	41.32	42.51	43.50
28	41.97	43.08	44.57	43.34	45.36	43.98	42.01	40.70	40.26	41.36	42.54	43.61
29	41.96		44.46	43.54	45.29	43.92	41.88	40.67	40.22	41.35	42.78	43.77
30	42.02		44.45	43.66	45.20	43.86	41.76	40.67	40.21	41.45	43.00	43.75
31	42.05		44.32		45.18		41.72	40.68		41.65		43.76

Marion County

5. Florida State Road Dept. SE¼SE¼ sec. 15, T. 15 S., R. 23 E. Drilled observation artesian well in Floridan aquifer, diameter 6 inches, depth 135 feet, cased to 135. Land-surface datum is 39.83 feet above msl. Highest water level 13.71 above lsd, Oct. 15, 1949; lowest 5.21 above lsd, Dec. 10, 1955. Records available: 1933-55.

Daily mean water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.85	7.45	7.33	6.97	6.55	6.20	5.95	5.86	5.86	6.16	5.80	5.42
2	7.82	7.50	7.29	7.07	6.54	6.19	5.92	5.88	5.91	6.14	5.83	5.50
3	7.78	7.41	7.25	7.07	6.52	6.17	5.90	5.92	5.93	6.13	5.84	5.53
4	7.82	7.31	7.25	6.94	6.54	6.18	5.90	5.88	5.90	6.13	5.80	5.51
5	7.87	7.39	7.21	6.87	6.58	6.20	5.91	5.85	5.92	6.14	5.82	5.54
6	7.85	7.51	7.25	6.91	6.57	6.19	5.93	5.88	5.96	6.11	5.83	5.56
7	7.77	7.51	7.25	6.96	6.53	6.18	5.94	5.94	6.00	6.10	5.81	5.56
8	7.74	7.42	7.10	6.87	6.49	6.20	5.89	5.98	5.97	6.11	5.79	5.49
9	7.75	7.32	7.11	6.77	6.45	6.16	5.87	5.95	5.95	6.09	5.83	5.37
10	7.76	7.37	7.17	6.81	6.43	6.09	5.92	5.94	5.96	6.08	5.96	5.24
11	7.73	7.43	7.21	6.87	6.44	6.08	5.94	5.96	5.98	6.11	5.72	5.30
12	7.63	7.17	7.18	6.86	6.46	6.05	5.87	5.93	6.01	6.15	5.60	5.34
13	7.64	7.15	7.14	6.84	6.46	5.99	5.83	5.87	5.97	6.20	5.60	5.32
14	7.54	7.32	7.10	6.81	6.46	6.00	5.86	5.82	6.01	6.17	5.67	5.30
15	7.62	7.41	7.09	6.81	6.46	6.01	5.91	5.86	6.07	6.05	5.73	....
16	7.70	7.42	7.09	6.81	6.47	6.05	5.92	5.94	6.08	6.03	5.71	....
17	7.66	7.43	7.06	6.78	6.47	6.11	5.91	5.91	6.09	6.12	5.63	....
18	7.67	7.41	7.07	6.74	6.41	6.07	5.88	5.82	6.13	6.04	5.59	....
19	7.59	7.37	7.06	6.74	6.37	6.05	5.88	5.79	6.14	5.90	5.66	h5.27
20	7.40	7.32	7.02	6.75	6.35	6.00	5.87	5.81	6.14	5.84	5.57	....
21	7.48	7.31	7.08	6.77	6.34	5.99	5.89	5.82	6.09	5.88	5.57	....
22	7.56	7.33	7.07	6.79	6.31	6.00	5.90	5.84	6.09	5.92	5.60	....
23	7.59	7.30	6.95	6.77	6.30	5.97	5.90	5.88	6.13	5.92	5.59	....
24	7.54	7.25	7.00	6.75	6.33	5.95	5.90	5.88	6.14	5.95	5.55	....
25	7.36	7.22	7.08	6.75	6.34	5.97	5.88	5.84	6.12	5.98	5.60	....
26	7.37	7.22	7.08	6.74	6.32	5.99	5.86	5.83	6.10	5.97	5.60	h5.31
27	7.52	7.26	6.88	6.69	6.28	5.95	5.90	5.87	6.09	5.94	5.61	....
28	7.53	7.31	6.95	6.60	6.25	5.93	5.93	5.89	6.15	5.95	5.63	....
29	7.46		6.99	6.57	6.28	5.93	5.98	5.88	6.18	6.02	5.43	....
30	7.38		6.91	6.55	6.30	5.94	5.98	5.87	6.17	5.93	5.35	....
31	7.36		6.95		6.25		5.92	5.86		5.81		....

h Tape measurement.

47. Harry H. Pratt and A. C. Luffman. SW¼NW¼ sec. 5, T. 17 S., R. 24 E. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, depth 179 feet. Land-surface datum is 72.4 feet above msl. Highest water level 12.5 below lsd, September 1949; lowest 22.49 below lsd, Oct. 28, 1955. Records available: 1936-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	20.10	Mar. 26	21.00	June 18	22.02	Sept. 13	22.42
Feb. 11	20.54	May 7	21.25	July 26	21.18	Oct. 28	22.49

48. E. P. Nelson. NW¼NW¼ sec. 29, T. 17 S., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, depth 152 feet. Land-surface datum is 61.3 feet above msl. Highest water level 0.2 above lsd, October 1945; lowest 7.98 below lsd, Dec. 10, 1955. Records available: 1936-55. Previously shown as SE¼SW¼ sec. 20.

Jan. 7	5.11	May 7	7.55	July 26	7.22	Oct. 28	7.56
Feb. 11	5.52	June 18	7.12	Sept. 13	7.43	Dec. 10	7.98
Mar. 26	5.92						

49. U. S. Forest Service. Arrendondo Grant. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, depth 175 feet. Land-surface datum is 66.6 feet above msl. Highest water level 23.4 below lsd, October 1948; lowest 29.77 below lsd, July 15, 1955. Records available: 1936-55. Previously shown as SE¼SE¼ sec. 24, T. 15 S., R. 26 E.

Jan. 28	28.70	Apr. 22	29.24	July 15	29.77	Oct. 6	29.05
Mar. 2	28.97	May 30	29.30	Aug. 26	29.50	Nov. 17	27.40

51. Harold E. Cullison. SW¼NE¼ sec. 14, T. 15 S., R. 21 E. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, depth 106 feet. Land-surface datum is 74.5 feet above msl. Highest water level 24.03 below lsd, Oct. 20, 1950; lowest 32.85 below lsd, Nov. 17, 1955. Records available: 1935-55.

Jan. 7	31.12	May 7	32.33	July 26	32.57	Oct. 6	32.35
Feb. 11	31.55	June 18	32.75	Aug. 26	32.61	Nov. 17	32.85
Mar. 26	31.87						

Martin County

125. Florida Park Service. Jupiter State Park. SW¼SE¼ sec. 12, T. 40 S., R. 42 E. Drilled unused water-table well in sand of Pleistocene age, diameter 12 to 6 inches, depth 90 feet, cased to 65, screen 65-90. Land-surface datum is 17.60 feet above msl. Highest water level 7.41 above msl, Oct. 18, 1953; lowest 1.40 above msl, Aug. 24, 1952. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.18	2.74	2.54	2.40	e2.11	....	2.33	1.99	2.08	2.02	2.38	1.88
2	3.15	2.73	2.52	2.42	2.09	1.97	2.33	1.98	2.07	2.02	2.37	1.87
3	3.13	2.72	2.52	2.43	....	....	2.33	1.98	2.07	2.02	2.35	1.87
4	3.11	2.70	2.51	2.43	....	1.96	2.33	1.98	2.07	2.02	2.32	1.87
5	3.10	2.68	2.50	2.43	....	1.92	2.33	1.97	2.07	2.02	2.29	1.86
6	3.08	2.68	2.49	e2.42	....	1.92	2.33	1.97	2.07	2.01	2.28	1.84
7	3.07	2.67	2.48	e2.41	....	1.92	2.35	1.97	2.07	2.00	2.27	1.83
8	3.06	2.66	2.47	e2.40	....	1.91	2.34	1.96	2.06	2.00	2.25	1.82
9	3.05	2.64	2.45	e2.39	2.08	1.90	2.33	2.02	2.07	2.00	2.24	1.81
10	3.03	2.63	2.43	e2.38	....	1.88	2.32	2.09	2.07	1.98	2.24	1.80
11	3.00	2.63	2.42	e2.37	....	1.87	2.30	2.12	2.08	1.98	2.22	1.79
12	2.96	2.61	2.40	e2.36	....	1.87	2.28	2.14	2.08	2.09	2.20	1.79
13	2.95	2.58	2.39	e2.35	....	1.95	2.27	2.15	2.08	2.22	2.17	1.79
14	2.93	2.58	2.38	e2.34	....	2.00	2.25	2.18	2.08	2.28	2.16	1.82
15	2.91	2.58	2.37	e2.33	....	2.03	2.22	2.20	2.08	2.31	2.14	1.86
16	2.90	2.57	2.35	e2.32	....	2.05	2.20	2.20	2.08	2.34	2.12	1.89
17	2.88	2.56	2.33	e2.31	....	2.07	2.17	2.21	2.09	2.37	2.10	1.92
18	2.87	2.57	2.31	e2.29	....	2.08	2.16	2.21	2.10	2.39	2.08	1.93
19	2.86	2.58	2.30	e2.27	....	2.10	2.15	2.22	2.10	2.40	2.07	1.93
20	2.85	2.59	2.28	e2.26	....	2.13	2.13	2.22	2.12	2.40	2.05	1.94
21	2.83	2.60	2.27	e2.24	....	2.15	2.13	2.22	2.12	2.41	2.02	1.94
22	2.82	2.61	2.26	e2.23	....	2.17	2.12	2.22	2.12	2.41	2.00	1.94
23	2.81	2.61	2.25	e2.22	....	2.22	2.12	2.22	2.12	2.42	1.99	1.94
24	2.80	2.61	2.22	e2.21	....	2.25	2.11	2.22	2.12	2.42	1.98	1.94
25	2.79	2.59	2.25	e2.20	....	2.28	2.10	2.20	2.10	2.42	1.96	1.93
26	2.78	2.57	2.26	e2.18	....	2.30	2.09	2.18	2.09	2.42	1.95	1.93
27	2.77	2.56	2.27	e2.17	....	2.30	2.08	2.16	2.07	2.42	1.94	1.92
28	2.77	2.55	2.28	e2.16	....	2.31	2.07	2.13	2.05	2.42	1.92	1.92
29	2.76		2.30	e2.15	....	2.32	2.05	2.12	2.04	2.42	1.91	1.93
30	2.76		2.35	e2.13	....	2.33	2.04	2.10	2.03	2.41	1.90	1.96
31	2.75		2.39		....		2.02	2.10		2.40		2.00

e Estimated.

Nassau County

2. G. G. Gerbing. Amelia City. Sec. 50, T. 2 N., R. 28 E. Drilled irrigation artesian well in Floridan aquifer, diameter 3 to 2 inches, reported depth 580 feet, cased to 350. Land-surface datum is 9.98 feet above msl. Highest water level 43.1 above lsd, July 15, 1947; lowest 23.0 above lsd, Aug. 23, 1955. Records available: 1939-40, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	+26.9	Apr. 19	+31.4	July 12	+25.2	Oct. 4	+24.1
Mar. 8	+25.9	June 4	+27.3	Aug. 23	+23.0	Nov. 15	+23.6

8. Charles Pelot. SE¼NE¼ sec. 1, T. 1 N., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, reported depth 680 feet. Land-surface datum is 13.70 feet above msl. Highest water level 43.1 above lsd, July 15, 1947; lowest 25.8 above lsd, Oct. 4, 1955. Records available: 1939-40, 1944-55.

Jan. 25	+28.8	Apr. 19	+29.3	July 12	+26.5	Oct. 4	+25.8
Mar. 8	+28.6	June 4	+25.9	Aug. 23	+26.6	Nov. 15	+27.3

12. J. W. Sheffield. NE¼NW¼ sec. 4, T. 2 N., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diameter 2 inches, reported depth 640 feet. Land-surface datum is 13.02 feet above msl. Highest water level 40.9 above lsd, Mar. 25, 1939; lowest 17.31 below lsd, Aug. 23, 1955. Records available: 1939, 1944-55. Jan. 25, -16.05; Mar. 8, -15.65; Apr. 19, +18.6; June 4, -17.23; July 12, -12.46; Aug. 23, -17.31; Nov. 15, -15.86.

23. Florida Park Service. T. 3 N., R. 29 E. About 1 mile east of Fort Clinch. Drilled public-supply artesian well in Floridan aquifer, diameter 4 inches, depth 800 feet, cased to 550. Land-surface datum is about 7.82 feet above msl. Highest water level 43.1 above lsd, Mar. 27, 1939; lowest 6.92 above lsd, Nov. 15, 1955. Records available: 1939-42, 1944, 1946-55. Jan. 25, +9.9; Mar. 8, +10.2; Apr. 19, +16.8; July 12, +18.3; Aug. 23, +7.80; Oct. 4, +7.22; Nov. 15, +6.92.

27. Judge Fishler and others. Atlantic Blvd. and North 18th St., Fernandina. T. 3 N., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 3 inches. Land-surface datum is 20.45 feet above msl. Highest water level 29.5 above lsd, Mar. 28, 1939; lowest 25.97 below lsd, June 4, 1955. Records available: 1939-41, 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	21.05	Apr. 19	7.43	July 12	12.38	Oct. 4	25.82
Mar. 8	22.81	June 4	25.97	Aug. 23	25.89	Nov. 15	25.20

44. Seaboard Air Line RR. Co. Yulee. T. 2 N., R. 27 E. Drilled railroad artesian well in Floridan aquifer, diameter 4 inches, reported depth 1,000 feet, cased to 450. Land-surface datum is 34.81 feet above msl. Highest water level 26.4 above lsd, Aug. 25, 1938; lowest 4.60 above lsd, Aug. 23, 1955. Records available: 1934, 1938, 1940, 1944-55. Jan. 25, +8.2; Mar. 7, +7.7; Apr. 19, +7.9; July 12, +6.63; Aug. 23, +4.60; Nov. 15, +6.46.

50. C. J. McKendree. SW¼SE¼ sec. 4, T. 2 N., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diameter 2 inches, reported depth 569 feet. Land-surface datum is 17.79 feet above msl. Highest water level 40.3 above lsd, Jan. 18, 1940; lowest 27.2 above lsd, Nov. 20, 1951, Jan. 10, 1952. Records available: 1940-41, 1944-55.

Jan. 25	+31.2	Apr. 19	+29.7	July 12	+27.3	Oct. 4	+27.7
Mar. 7	+30.6	June 4	+27.9	Aug. 23	+27.5	Nov. 15	+27.7

51. Harold D. Blosser. Callahan. SW¼NW¼ sec. 29, T. 2 N., R. 25 E. Drilled domestic artesian well in Floridan aquifer, diameter 2 inches, reported depth 580 feet. Land-surface datum is 18.8 feet above msl. Highest water level 42.5 above lsd, July 15, 1947; lowest 28.8 above lsd, July 12, 1955. Records available: 1940-42, 1944-55.

Jan. 25	+32.5	Apr. 19	+31.7	July 12	+28.8	Oct. 4	+29.1
Mar. 7	+31.8	June 4	+30.5	Aug. 23	+29.0	Nov. 15	+29.2

55. L. R. Church. O'Neil. NW¼NW¼ sec. 27, T. 2 N., R. 28 E. Drilled domestic artesian well in Floridan aquifer, diameter 2 inches, reported depth 540 feet, cased to 504. Land-surface datum is 12.64 feet above msl. Highest water level 33.8 above lsd, July 15, 1947; lowest 11.5 above lsd, Aug. 23, Oct. 4, 1955. Records available: 1940, 1944-55.

Jan. 25	+14.2	Apr. 19	+21.4	July 12	+13.9	Oct. 4	+11.5
Mar. 8	+14.3	June 4	+12.5	Aug. 23	+11.5	Nov. 15	+11.6

64. A. H. Crews. SW¼SE¼ sec. 8, T. 3 N., R. 24 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 648 feet. Land-surface datum is 80.66 feet above msl. Records available: 1944-55. Measurements withheld for adjustment.

Okaloosa County

3. Okaloosa County. Fort Walton. NW¼SW¼ sec. 13, T. 2 S., R. 24 W. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 800 feet, cased to 500. Land-surface datum is 11.98 feet above msl. Highest water level 46.0 above lsd, Aug. 19, 1936; lowest 37.26 below lsd, Sept. 28, 1955. Records available: 1936, 1946-55.

Jan. 12	10.54	May 16	29.05	Aug. 17	25.55	Nov. 8	23.19
Feb. 22	13.07	June 29	28.35	Sept. 28	37.26	Dec. 20	24.11
Apr. 5	18.03						

23. U. S. Army. Eglin Auxiliary Field 2. SW¼SW¼ sec. 15, T. 1 N., R. 22 W. Drilled public-supply artesian well in Floridan aquifer, diameter 10 inches, reported depth 652 feet, cased to 409. Land-surface datum is 154.0 feet above msl. Highest water level 92.3 below lsd, Apr. 14, 1948; lowest 108.7 below lsd, Sept. 9, 1954. Records available: 1947-55.

Jan. 11	103.8	May 16	107.8	Aug. 16	107.3	Nov. 7	107.8
Feb. 21	101.7	June 28	107.8	Sept. 27	108.0	Dec. 19	106.4
Apr. 4	103.2						

25. U. S. Army. SE¼SE¼ sec. 27, T. 2 N., R. 23 W. Drilled public-supply artesian well in Floridan aquifer, diameter 10 inches, reported depth 609 feet, cased to 456. Land-surface datum is 196.72 feet above msl. Highest water level 98.5 below lsd, Oct. 30, 1947; lowest 121.4 below lsd, May 11, 1953. Records available: 1947-55.

Jan. 13	115.5	May 18	115.9	Aug. 19	116.9	Nov. 7	117.6
Feb. 23	115.4	June 30	115.8	Sept. 27	117.0	Dec. 19	117.2
Apr. 8	115.6						

27. U. S. Army. SW¼SE¼ sec. 7, T. 1 S., R. 23 W. Drilled public-supply artesian well in Floridan aquifer, diameter 10 inches, reported depth 591 feet, cased to 422. Land-surface datum is 89.33 feet above msl. Highest water level 24.0 below lsd, Apr. 14, 1948; lowest 48.7 below lsd, June 28, 1955. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 12	42.3	Apr. 7	43.7	June 28	48.7	Sept. 27	42.8
Feb. 23	41.7	May 17	46.7	Aug. 18	46.2	Dec. 20	42.4

29. U. S. Army. NE¼SE¼ sec. 15, T. 1 N., R. 24 W. Drilled public-supply artesian well in Floridan aquifer, diameter 10 inches, reported depth 766 feet, cased to 524. Land-surface datum is 178.03 feet above msl. Highest water level 99.8 below lsd, Oct. 28, 1947; lowest 114.1 below lsd, Nov. 8, 1955. Records available: 1947-55.

Jan. 12	109.9	May 17	110.8	Aug. 18	113.1	Nov. 8	114.1
Feb. 23	109.6	June 30	112.8	Sept. 28	112.7	Dec. 20	113.5
Apr. 7	110.1						

31. U. S. Army. NE¼SW¼ sec. 33, T. 2 N., R. 25 W. Drilled public-supply artesian well in Floridan aquifer, diameter 10 inches, reported depth 690 feet, cased to 527. Land-surface datum is 135.12 feet above msl. Highest water level 46.8 below lsd, Apr. 14, 1948; lowest 57.9 below lsd, Nov. 8, 1955. Records available: 1948-55.

Jan. 12	55.0	Apr. 7	54.8	June 30	55.9	Sept. 28	55.7
Feb. 22	54.9	May 17	54.9	Aug. 18	56.0	Nov. 8	57.9

Okeechobee County

2. U. S. Geol. Survey. On Florida Highway 66, 1 mile west of Bassinger. NE¼NW¼ sec. 33, T. 35 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet, cased to 18, gravel packed 16-21. Land-surface datum is 47.80 feet above msl. Highest water level 48.10 above msl, Oct. 9, 1953; lowest 39.51 above msl, June 17-18, 1949. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.20	44.55	43.70	42.99	42.23	42.05	45.94	46.81	45.66	44.39	43.76	42.87
2	44.18	44.50	43.68	42.97	42.18	41.97	45.95	46.60	45.70	44.40	43.73	42.82
3	44.15	44.46	43.65	43.14	42.13	41.90	.....	46.88	45.70	44.43	43.69	42.80
4	44.12	44.40	43.62	43.17	42.10	41.84	.....	46.88	45.50	44.42	43.66	42.77
5	44.10	44.36	43.60	43.17	42.06	41.73	.....	46.74	45.38	44.38	43.62	42.75
6	44.08	44.32	43.58	43.16	42.02	41.66	.....	46.41	45.23	44.32	43.59	42.73
7	44.06	44.29	43.56	43.14	41.98	41.59	45.18	46.15	45.16	44.29	43.55	42.73
8	44.04	44.25	43.51	43.10	41.94	41.55	45.16	47.52	45.17	44.25	43.52	42.73
9	44.01	44.23	43.48	43.06	41.90	41.50	45.25	47.57	45.26	44.22	43.49	42.72
10	43.98	44.18	43.47	43.00	41.87	41.47	45.13	47.42	45.22	44.18	43.48	42.70
11	43.96	44.15	43.43	42.97	41.85	41.43	.....	46.93	45.25	44.16	43.47	42.69
12	43.93	44.12	43.40	42.94	41.80	42.04	.....	46.50	45.33	44.54	43.44	42.67
13	43.90	44.07	43.38	42.90	41.76	42.35	.....	46.20	45.21	44.73	43.40	42.65
14	43.87	44.04	43.35	42.88	41.72	42.45	.....	45.93	45.02	44.74	43.36	42.63
15	43.83	44.02	43.32	42.87	41.69	42.50	45.40	46.47	44.94	44.72	43.33	42.62
16	43.80	43.98	43.29	42.84	41.66	42.53	45.40	46.47	44.89	44.62	43.30	42.61
17	43.78	43.96	43.27	42.79	41.65	42.80	45.35	45.95	44.82	44.53	43.28	42.59
18	43.76	43.95	43.25	42.75	41.65	42.95	45.33	45.88	44.78	44.44	43.25	42.57
19	43.75	43.93	43.21	42.71	41.63	43.01	45.19	45.67	44.98	44.38	43.21	42.55
20	43.72	43.92	43.17	42.68	41.61	43.04	45.14	45.63	44.95	44.28	43.18	42.52
21	43.69	43.90	43.14	42.63	41.60	43.05	45.25	45.56	44.85	44.20	43.15	42.50
22	43.67	43.88	43.10	42.60	42.05	43.05	45.25	45.49	44.77	44.13	43.11	42.49
23	43.65	43.84	43.07	42.56	42.18	43.05	45.10	45.42	44.72	44.08	43.09	42.47
24	44.40	43.81	43.12	42.52	42.27	43.06	46.29	45.35	44.68	44.05	43.05	42.45
25	44.69	43.78	43.22	42.48	42.30	44.16	46.48	45.31	44.62	44.02	43.02	42.42
26	44.70	43.75	43.21	42.44	42.30	44.45	46.34	45.28	44.57	43.98	43.00	42.40
27	44.70	43.75	43.16	42.40	42.30	44.47	45.95	45.20	44.53	43.94	42.98	42.39
28	44.69	43.72	43.11	42.35	42.28	44.47	45.78	45.13	44.48	43.90	42.95	42.41
29	44.64		43.09	42.30	42.23	44.45	45.81	45.07	44.44	43.87	42.92	42.45
30	44.66		43.06	42.28	42.17	45.64	45.70	45.15	44.40	43.85	42.88	42.47
31	44.60		43.02		42.10		46.79	45.83		43.80		42.49

3. U. S. Geol. Survey. On Florida Highway 15, 2 miles south of Fort Drum. NW¼NW¼ sec. 26, T. 34 S., R. 35 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 22 feet, cased to 19, gravel packed 14-22. Land-surface datum is 62 feet above msl. Highest water level 61.82 above msl, Aug. 28, 1949; lowest 56.75 above msl, Mar. 31, 1949, May 20, 1950. Records available: 1948-55. Previously shown as SW¼SE¼ sec. 23.

3--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.45	59.91	59.47	59.52	58.55	58.65	60.92	60.07	59.94	59.80	58.82	58.13
2	59.42	59.87	59.42	59.87	58.51	58.52	60.75	59.82	59.97	59.60	58.78	58.12
3	59.40	59.80	59.39	59.89	58.47	58.43	60.51	59.61	59.98	59.57	58.73	58.10
4	59.38	59.75	59.37	59.70	58.43	58.35	60.28	59.54	59.83	59.57	58.71	58.09
5	59.36	59.72	59.33	59.55	58.39	58.28	60.43	59.50	59.71	59.45	58.68	58.08
6	59.35	59.67	59.28	59.46	58.35	58.22	60.28	59.43	59.57	59.35	58.64	58.13
7	59.34	59.65	59.25	59.39	58.31	58.16	60.23	59.38	60.07	59.30	58.61	58.14
8	59.32	60.15	59.22	59.32	58.30	58.10	60.19	59.31	60.07	59.25	58.58	58.29
9	59.30	59.99	59.16	59.27	58.28	58.04	59.90	59.27	60.08	59.20	58.60	58.30
10	59.28	59.79	59.12	59.22	58.22	57.98	59.84	59.21	60.62	59.15	58.68	58.27
11	59.27	59.71	59.10	59.17	58.17	58.40	60.12	59.18	60.59	59.35	58.68	58.23
12	59.25	59.65	59.07	59.13	58.13	59.70	60.22	59.11	60.55	60.12	58.61	58.19
13	59.23	59.55	59.04	59.17	58.08	59.69	60.13	59.12	60.29	60.13	58.56	58.19
14	59.19	59.57	59.00	59.49	58.37	59.54	59.83	59.08	60.11	60.05	58.52	58.29
15	59.17	59.56	58.97	59.89	58.90	59.40	59.70	59.24	59.97	59.87	58.48	58.30
16	59.15	59.51	58.93	59.90	59.02	59.77	59.98	59.25	59.87	59.70	58.47	58.28
17	59.36	60.37	58.89	59.70	59.05	59.96	59.95	59.13	59.86	59.58	58.44	58.23
18	59.32	60.28	58.86	59.53	59.03	59.81	59.77	59.00	59.95	59.56	58.41	58.18
19	59.36	60.22	58.82	59.42	59.07	60.14	59.57	58.92	60.00	59.46	58.39	58.13
20	59.25	60.03	58.78	59.32	59.10	60.14	59.77	59.04	60.00	59.38	58.36	58.09
21	59.19	59.87	58.75	59.24	59.10	60.42	59.77	59.06	59.81	59.33	58.33	58.07
22	59.17	59.78	58.72	59.17	59.24	60.38	59.62	59.21	59.70	59.28	58.31	58.04
23	59.14	59.72	58.67	59.10	59.25	60.14	59.59	59.25	59.65	59.23	58.29	58.02
24	60.86	59.65	59.67	59.02	59.19	60.02	60.22	59.80	59.63	59.17	58.27	58.00
25	60.81	59.61	59.76	58.95	59.10	59.82	60.38	60.18	59.80	59.13	58.25	57.98
26	60.47	59.65	59.72	58.87	58.98	59.78	60.30	60.17	59.62	59.08	58.23	57.96
27	60.50	59.59	59.69	58.78	58.85	60.85	59.97	59.96	59.50	59.04	58.22	57.96
28	60.34	59.52	59.92	58.72	58.72	60.83	60.01	59.80	59.43	58.98	58.22	58.11
29	60.23		59.94	58.66	58.60	60.85	60.01	59.67	59.38	58.94	58.19	58.11
30	60.10		59.74	58.61	58.64	60.92	59.79	59.65	59.80	58.92	58.16	58.07
31	59.98		59.60		58.72		60.07	59.95		58.88		58.04

4. U. S. Geol. Survey. On Florida Highway 70. NW¼NE¼ sec. 19, T. 37 S., R. 34 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 21 feet, cased to 17, gravel packed 14-21. Land-surface datum is 30.50 feet above msl. Highest water level 30.35 above msl, Oct. 2, 1951; lowest 24.24 above msl, June 7, 1949. Records available: 1949-55. Measurement discontinued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	27.27	27.77	27.13	27.25	25.96	25.25	28.72	27.92	27.03	27.81	27.23	.....
2	27.25	27.72	27.05	27.50	25.92	25.22	28.55	27.77	27.47	27.69	27.20	.....
3	27.23	27.65	27.02	27.53	25.88	25.20	28.19	28.38	27.52	27.65	27.17	.....
4	27.20	27.60	26.98	27.48	25.84	25.17	28.00	28.42	27.45	27.74	27.14	.....
5	27.17	27.57	26.95	27.36	25.82	25.15	27.93	28.42	27.30	27.65	27.12	.....
6	27.14	27.52	26.91	27.26	25.78	25.12	27.88	28.14	27.93	27.55	27.08	.....
7	27.12	27.50	26.85	27.18	25.75	25.10	27.88	27.87	28.07	27.50	27.05	.....
8	27.10	27.48	26.82	27.11	25.72	25.07	27.90	27.72	28.06	27.50	27.02	.....
9	27.10	27.47	26.77	27.05	25.70	25.05	28.48	27.82	28.03	27.50	27.02	.....
10	27.11	27.38	26.72	26.98	25.66	25.01	28.41	27.83	27.88	27.40	27.08	.....
11	27.11	27.43	26.68	26.93	25.62	25.08	28.50	27.63	28.30	27.53	27.08	.....
12	27.11	27.43	26.64	26.86	25.60	26.21	28.59	27.46	28.32	29.15	27.02	.....
13	27.10	27.36	26.61	26.79	25.57	26.33	28.18	27.39	28.01	29.10	26.97	.....
14	27.07	27.34	26.57	26.78	25.55	26.34	27.90	27.62	27.77	28.67	26.94	.....
15	27.03	27.33	26.54	26.75	25.51	26.43	27.75	27.65	27.62	28.45	26.90	.....
16	27.01	27.30	26.50	26.70	25.48	26.70	29.17	27.62	27.50	28.12	26.87	.....
17	27.01	27.72	26.46	26.64	25.46	27.61	29.15	27.45	27.40	28.25	26.84	.....
18	27.01	27.72	26.42	26.57	25.45	27.61	28.57	27.42	28.62	28.30	26.80	.....
19	27.23	27.64	26.39	26.52	25.44	27.57	28.20	27.88	28.62	28.00	26.78	.....
20	27.22	27.60	26.36	26.46	25.43	28.38	28.48	27.90	28.37	27.81	26.75	.....
21	27.15	27.51	26.32	26.40	25.46	28.38	28.82	27.75	28.65	27.74	26.71	.....
22	27.10	27.44	26.30	26.35	25.48	28.87	28.46	27.58	29.02	27.68	26.68	.....
23	27.05	27.36	26.27	26.31	25.48	28.87	28.08	27.48	29.28	27.62	26.66	.....
24	28.75	27.31	26.97	26.26	25.45	28.37	28.60	27.38	29.19	27.57	26.64	.....
25	28.75	27.22	27.09	26.22	25.42	28.78	28.62	27.47	28.60	27.53	.....	.....

4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	28.34	27.18	27.11	26.17	25.39	28.78	28.22	27.35	28.25	27.50	.....	.....
27	28.23	27.20	27.13	26.13	25.37	28.64	27.91	27.23	28.04	27.45	.....	.....
28	28.22	27.17	27.26	26.08	25.35	28.45	27.78	27.16	27.90	27.39	.....	.....
29	28.03		27.37	26.04	25.31	28.45	27.68	27.11	27.83	27.35	.....	.....
30	27.95		27.37	26.00	25.29	29.02	27.62	27.07	27.80	27.33	.....	.....
31	27.85		27.32		25.26		27.92	27.03		27.29		.....

Orange County

47. Orange County. NE¼NE¼ sec. 26, T. 22 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 8 to 6 inches, depth 350 feet, cased to 328. Land-surface datum is 72.12 feet above msl. Highest water level 8.00 above lsd, Sept. 30, 1930; lowest 9.20 below lsd, June 15, 1955. Records available: 1930-33, 1943-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.38	5.89	6.46	7.28	8.06	8.65	8.35	....	....	7.19	7.73	8.07
2	5.43	5.93	6.53	7.21	8.16	8.44	8.30	....	....	7.26	7.75	8.05
3	5.49	6.00	6.59	7.19	8.27	8.70	8.28	....	....	7.28	7.78	8.06
4	5.51	6.09	6.65	7.25	8.31	8.79	8.31	....	....	7.29	7.82	8.06
5	5.51	6.09	6.70	7.32	8.42	8.80	8.33	....	....	7.26	7.83	8.04
6	5.55	6.05	6.71	7.33	8.47	8.83	8.34	....	....	7.25	7.85	8.01
7	5.60	6.07	6.75	7.32	8.45	8.90	8.25	....	....	7.25	7.88	7.96
8	5.63	6.01	6.86	7.40	8.42	8.95	7.68	....	....	7.28	7.92	7.97
9	5.63	6.00	6.90	7.46	8.57	9.02	7.74	....	....	7.32	7.90	8.05
10	5.65	6.04	6.96	7.47	8.70	9.09	7.86	....	....	7.33	7.14	8.13
11	5.68	6.02	7.02	7.48	8.77	9.12	7.87	....	....	7.25	6.85	8.14
12	5.73	6.10	7.06	7.40	8.82	9.03	7.96	....	....	7.01	7.21	8.12
13	5.75	6.14	7.05	7.39	8.85	9.10	7.99	....	....	7.03	7.35	8.11
14	5.83	6.10	7.22	7.35	8.76	9.11	8.00	....	....	7.09	7.40	8.10
15	5.82	6.08	7.32	7.25	8.75	9.14	8.03	....	6.77	7.20	7.44	8.06
16	5.80	6.10	7.36	7.24	8.82	9.12	8.06	....	6.87	7.27	7.50	8.09
17	5.78	6.09	7.45	7.28	8.90	8.94	8.08	....	6.94	7.23	7.59	8.11
18	5.77	6.09	7.55	7.31	8.93	8.91	8.12	....	6.86	7.04	7.65	8.12
19	5.80	6.12	7.56	7.35	8.95	8.88	8.15	....	6.93	7.14	7.65	8.13
20	5.90	6.17	7.52	7.42	8.81	8.77	8.15	....	7.04	7.26	7.75	8.15
21	5.91	6.20	7.65	7.49	8.74	8.77	8.03	....	7.12	7.31	7.79	8.16
22	5.89	6.22	7.70	7.52	8.45	8.80	7.59	....	7.17	7.35	7.81	8.15
23	5.89	6.26	7.71	7.58	8.43	8.84	7.77	....	7.01	7.40	7.85	8.19
24	5.66	6.32	7.53	7.63	8.45	8.77	7.85	....	7.05	7.45	7.90	8.20
25	5.25	6.37	7.46	7.66	8.47	8.60	7.59	....	7.11	7.49	7.90	8.19
26	5.48	6.41	7.43	7.70	8.45	8.40	7.59	....	7.16	7.53	7.90	8.17
27	5.53	6.43	7.45	7.77	8.49	8.44	7.55	....	7.23	7.57	7.89	8.18
28	5.60	6.44	7.38	7.88	8.54	8.16	7.38	....	7.25	7.59	7.87	8.07
29	5.70		7.29	7.96	8.55	8.25	....	....	7.02	7.57	8.00	8.22
30	5.80		7.30	8.02	8.56	8.35	....	....	7.06	7.61	8.07	8.22
31	5.88		7.27		8.60		....	....		7.70		8.27

47-B. U. S. Geol. Survey. NE¼NE¼ sec. 26, T. 22 S., R. 28 E. Drilled observation water-table well in sand, diameter 6 inches, depth 17 feet, cased to 17. Highest water level 4.36 above lsd, Oct. 18, 1948; lowest 7.00 below lsd, June 24, 1955. Records available: 1948-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.86	3.55	4.12	5.04	5.70	....	6.72	6.04	5.68	5.32	5.74	6.06
2	2.89	....	e4.12	5.08	5.71	....	6.70	6.03	5.60	5.35	5.78	6.08
3	2.90	3.59	e4.13	5.09	5.76	....	6.70	6.02	5.55	5.36	5.80	6.09
4	2.91	3.60	e4.18	5.10	5.80	....	6.70	6.02	5.54	5.37	5.81	6.10
5	2.97	3.64	4.23	5.10	5.83	....	6.70	6.02	5.54	5.39	5.83	6.12
6	2.99	3.66	4.25	e5.11	5.88	....	6.71	6.02	5.54	5.40	5.84	6.12
7	3.03	3.69	4.28	5.17	5.92	....	6.70	6.02	5.52	5.42	5.88	6.11
8	3.04	3.68	4.30	5.20	5.95	....	6.66	6.02	5.47	5.43	5.90	6.15
9	3.08	3.70	4.35	5.21	....	....	6.65	6.02	5.40	5.44	5.89	6.18
10	3.10	3.71	4.38	5.24	....	....	6.59	6.02	5.38	5.46	5.65	6.20
11	3.12	3.77	4.40	5.27	....	....	6.50	6.02	5.34	5.47	5.64	6.21
12	3.16	3.78	4.45	5.25	....	....	6.51	6.01	5.32	5.44	5.67	6.23
13	3.20	3.82	4.50	5.29	....	....	6.50	6.01	5.30	5.44	5.69	6.24
14	3.23	3.83	4.53	5.29	....	....	6.53	6.01	5.30	5.44	5.70	6.26
15	3.26	3.84	4.57	5.28	....	....	6.56	6.01	5.30	5.47	5.71	6.28

47-B--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	3.28	3.85	4.60	5.30	....	....	6.55	6.01	5.29	5.48	5.72	6.29
17	3.29	3.87	4.65	5.31	....	....	6.54	6.03	5.28	5.49	5.76	6.30
18	3.29	3.88	4.70	5.33	....	....	6.54	6.07	5.27	5.47	5.79	6.32
19	3.32	3.90	4.72	5.35	....	6.90	6.54	6.09	5.27	5.48	.5.81	6.33
20	3.37	3.92	4.76	5.39	....	6.92	6.53	6.10	5.28	5.51	5.83	6.35
21	3.40	3.95	4.80	5.41	....	6.94	6.46	6.12	5.29	5.53	5.88	6.36
22	3.41	3.97	4.81	5.44	....	6.97	6.34	6.15	5.30	5.57	5.91	6.37
23	3.44	3.99	4.88	5.47	....	6.99	6.34	6.17	5.31	5.58	5.93	6.38
24	3.42	4.00	4.90	5.49	....	6.98	6.32	6.19	5.32	5.61	5.94	6.40
25	3.40	4.03	4.93	5.51	....	6.92	6.27	6.20	5.31	5.64	5.95	6.41
26	3.40	4.05	4.96	5.53	....	6.93	6.26	6.19	5.31	5.65	5.97	6.42
27	3.43	4.07	4.98	5.56	....	6.89	6.25	6.20	5.33	5.65	5.98	6.44
28	3.45	4.10	4.99	5.60	....	6.80	6.20	6.20	5.34	5.66	5.99	6.41
29	3.48		5.00	5.62	....	6.77	6.16	6.14	5.30	5.67	6.01	6.46
30	3.50		5.01	5.68	....	6.74	6.10	5.99	5.31	5.69	6.03	6.48
31	3.53		5.02		....		6.08	5.80		5.71		6.49

e Estimated.

47-C. U. S. Geol. Survey. NE¼SE¼ sec. 26, T. 22 S., R. 28 E. Drilled observation water-table well in sand, diameter 6 inches, depth 50 feet, cased to 46, gravel packed 44-50. Highest water level 29.58 below lsd, Nov. 11, 1948; lowest 39.35 below lsd, June 3, 1953. Records available: 1948-55. Depth previously shown as 46 feet.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.20	35.59	35.87	36.15	36.54	36.99	37.38	37.66	37.65	36.67	36.05	.....
2	35.22	35.60	35.87	36.16	36.56	37.00	37.39	37.66	37.64	36.64	36.05	.....
3	35.24	35.61	35.89	36.17	36.58	37.02	37.40	37.67	37.62	36.61	36.04	.....
4	35.24	35.63	35.89	36.19	36.59	37.03	37.41	37.67	37.60	36.58	36.03	.....
5	35.25	35.64	35.90	36.21	36.61	37.04	37.42	37.68	37.57	36.55	36.03	.....
6	35.26	35.65	35.91	36.22	36.63	37.05	37.43	37.69	37.54	36.51	36.02	.....
7	35.27	35.65	35.91	36.24	36.65	37.06	37.44	37.69	37.51	36.48	36.02	.....
8	35.28	35.66	35.93	36.25	36.65	37.08	37.46	37.70	37.49	36.45	36.02	.....
9	35.29	35.69	35.93	36.26	36.67	37.09	37.46	37.70	37.47	36.42	36.01	.....
10	35.30	35.70	35.95	36.27	36.68	37.11	37.47	37.70	37.45	36.40	36.00	35.89
11	35.31	35.71	35.95	36.29	36.70	37.12	37.48	37.70	37.44	36.37	36.00	35.95
12	35.32	35.73	35.97	36.30	36.72	37.13	37.49	37.70	37.43	36.34	36.00	35.99
13	35.33	35.74	35.98	36.31	36.74	37.14	37.50	37.70	37.41	36.32	36.01	36.01
14	35.35	35.75	36.00	36.32	36.74	37.16	37.52	37.70	37.38	36.30	36.01	36.02
15	35.36	35.75	36.01	36.34	36.76	37.17	37.54	37.70	37.34	36.27	36.00	36.04
16	35.37	35.75	36.01	36.36	36.78	37.19	37.55	37.70	37.30	36.25	36.00	36.05
17	35.38	35.76	36.02	36.37	36.79	37.20	37.55	37.69	37.26	36.23	.....	36.06
18	35.39	35.76	36.03	36.38	36.80	37.21	37.56	37.69	37.21	36.21	.....	36.07
19	35.40	35.77	36.03	36.40	36.81	37.22	37.57	37.69	37.16	36.20	.....	36.08
20	35.42	35.77	36.04	36.41	36.83	37.24	37.58	37.69	37.11	36.19	.....	36.08
21	35.44	35.79	36.05	36.42	36.84	37.25	37.59	37.69	37.06	36.17	.....	36.09
22	35.45	35.81	36.06	36.43	36.84	37.27	37.60	37.68	37.03	36.15	.....	36.09
23	35.46	35.81	36.06	36.44	36.86	37.28	37.60	37.67	36.99	36.15	.....	36.10
24	35.47	35.82	36.07	36.45	36.87	37.29	37.61	37.66	36.96	36.14	.....	36.11
25	35.49	35.83	36.07	36.46	36.89	37.30	37.62	37.66	36.92	36.12	.....	36.12
26	35.51	35.84	36.07	36.47	36.91	37.31	37.63	37.66	36.86	36.11	.....	36.12
27	35.51	35.85	36.08	36.48	36.93	37.33	37.64	37.66	36.82	36.10	.....	36.13
28	35.52	35.86	36.09	36.50	36.94	37.34	37.64	37.65	36.78	36.09	.....	36.14
29	35.54		36.11	36.51	36.95	37.35	37.65	37.65	36.74	36.07	.....	36.15
30	35.56		36.12	36.52	36.97	37.36	37.65	37.65	36.70	36.06	.....	36.16
31	35.57		36.14		36.98		37.65	37.65		36.05		36.18

Osceola County

171. U. S. Geol. Survey. SE¼SW¼ sec. 22, T. 25 S., R. 34 E. Jetted observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 19 feet, cased to 13, gravel packed 11-19. Land-surface datum is 31.60 feet above msl. Highest water level 32.75 above msl, Sept. 7, 1953; lowest 28.28 above msl, July 4, 1952. Records available: 1950-55. Previously shown as NE¼NE¼ sec. 28.

171--Continued.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.02	31.17	31.17	31.13	29.24	30.85	32.31	31.42	30.86	30.88	30.40	29.85
2	30.99	31.15	31.10	31.06	29.18	30.80	32.22	31.50	30.87	31.10	30.36	.....
3	30.96	31.10	31.06	31.06	29.12	30.65	32.20	31.51	30.78	31.10	30.33	.....
4	30.93	31.07	31.02	30.92	29.07	30.46	32.01	31.52	30.61	31.41	30.28	.....
5	30.90	31.04	30.97	30.84	29.02	30.30	31.82	31.48	30.50	31.50	30.21	.....
6	30.87	31.02	30.92	30.79	28.97	30.19	31.68	31.35	30.39	31.50	30.16	.....
7	30.84	31.00	30.87	30.75	28.91	30.08	31.88	31.23	30.38	31.44	30.12	.....
8	30.82	31.16	30.81	30.67	28.87	30.00	32.46	31.17	31.32	31.33	30.10	.....
9	30.80	31.14	30.74	30.60	28.82	29.89	32.39	31.07	31.60	31.28	30.60	.....
10	30.77	31.06	30.69	30.53	28.77	29.76	32.21	31.00	31.70	31.24	30.77	.....
11	30.76	31.41	30.64	30.48	28.73	30.27	31.98	30.92	31.70	31.20	30.73	.....
12	30.72	31.42	30.59	30.40	28.68	30.71	31.78	31.04	31.80	31.40	30.56	.....
13	30.69	31.45	30.54	30.31	28.64	30.60	e31.68	31.03	31.90	31.40	30.46	.....
14	30.62	31.45	30.48	30.76	28.59	30.30	e31.58	30.89	31.83	31.40	30.40	.....
15	30.60	31.40	30.42	30.76	29.60	30.10	e31.48	30.85	31.70	31.40	30.36	.....
16	30.60	31.34	30.36	30.63	29.64	29.98	e31.38	30.78	31.58	31.32	30.31	.....
17	30.95	31.42	30.31	30.42	29.92	30.65	e31.28	30.73	31.48	31.24	30.27	.....
18	30.90	31.41	30.28	30.29	29.93	30.57	31.18	30.79	31.57	31.24	30.23	.....
19	31.07	31.55	30.22	30.18	29.87	30.98	31.06	30.83	31.55	31.12	30.20	.....
20	30.98	31.53	30.19	30.09	29.74	31.13	30.97	30.83	31.55	31.02	30.17	.....
21	30.93	31.52	30.15	30.01	30.50	31.14	30.87	30.70	31.60	30.95	30.09	.....
22	30.91	31.50	30.07	29.94	30.55	31.10	30.77	30.83	31.60	30.90	30.06	.....
23	30.87	31.45	29.98	29.85	30.95	31.37	30.67	30.83	31.49	30.85	30.04	.....
24	31.42	31.38	30.37	29.78	31.01	31.51	31.40	30.59	31.37	30.80	30.00	.....
25	31.42	31.34	30.37	29.70	31.04	31.64	31.53	30.96	31.27	30.75	29.99	.....
26	31.43	31.30	30.33	29.63	31.02	31.75	31.60	30.97	31.20	30.70	29.98	.....
27	31.43	31.25	30.33	29.53	30.92	31.93	31.56	30.77	31.12	30.63	30.01	.....
28	31.40	31.20	30.72	29.45	30.77	32.25	31.60	30.58	31.01	30.56	30.20	.....
29	31.33		31.17	29.39	30.62	32.25	31.60	31.01	30.94	30.72	30.06	.....
30	31.27		31.19	29.32	30.88	32.45	31.58	31.08	30.91	30.72	29.89	.....
31	31.20		31.19		30.94		31.45	30.97		30.53		.....

e Estimated.

179. U. S. Geol. Survey. On U. S. Highway 192, near Deer Park. NE¼SW¼ sec. 27, T. 27 S., R. 34 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 18 feet, cased to 18, gravel packed 13-18. Land-surface datum is 49 feet above msl. Highest water level 48.26 above msl, Oct. 9, 1953; lowest 43.24 above msl, June 8, 1949. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	46.15	46.70	46.40	46.40	45.27	44.33	47.27	46.81	46.14	46.36	45.78	45.02
2	46.13	46.67	46.37	46.32	45.23	44.29	47.15	46.75	46.08	46.34	45.74	45.00
3	46.12	46.66	46.32	46.30	45.20	44.26	47.03	46.67	46.06	46.44	45.71	44.98
4	46.10	46.57	46.28	46.29	45.17	44.23	46.98	46.58	46.01	46.44	45.68	44.96
5	46.08	46.27	46.25	46.20	45.13	44.18	46.80	46.48	45.95	46.38	45.64	44.95
6	46.07	46.27	46.20	46.13	45.09	44.15	46.75	46.37	45.88	46.31	45.61	44.99
7	46.04	46.51	46.17	46.07	45.06	44.12	47.56	46.25	46.46	46.25	45.58	45.00
8	46.03	46.64	46.12	46.00	45.02	44.10	47.49	46.16	46.95	46.20	45.55	44.96
9	46.02	46.64	46.09	45.94	44.99	44.07	47.30	46.11	46.97	46.17	45.51	44.92
10	46.00	46.64	46.07	45.88	44.95	44.03	47.00	46.04	47.12	46.14	45.56	44.88
11	45.97	46.82	46.05	45.83	44.93	44.01	46.92	45.98	47.85	46.10	45.55	44.86
12	45.95	46.77	46.02	45.81	44.90	44.00	46.86	45.91	48.15	46.65	45.49	44.85
13	45.93	46.73	46.00	45.77	44.85	43.98	46.81	45.85	47.30	46.74	45.45	44.84
14	45.90	46.72	45.96	45.95	44.80	43.96	46.78	45.80	47.10	46.74	45.43	44.83
15	45.88	46.70	45.91	45.98	44.77	43.93	46.75	45.75	47.00	46.69	45.40	44.80
16	45.86	46.72	45.89	45.98	44.74	43.91	46.67	45.70	46.90	46.60	45.37	44.78
17	45.93	46.75	45.87	45.90	44.71	44.04	46.57	45.65	46.83	46.50	45.35	44.76
18	45.93	46.87	45.83	45.81	44.69	44.04	46.50	45.58	46.79	46.42	45.32	44.75
19	45.93	46.87	45.80	45.73	44.67	44.05	46.44	46.73	46.77	46.35	45.30	44.73
20	45.93	46.83	45.78	45.67	44.64	44.10	46.38	46.76	46.74	46.30	45.28	44.71
21	45.90	46.74	45.75	45.63	44.67	44.13	46.33	46.76	46.72	46.23	45.24	44.69
22	45.87	46.70	45.72	45.58	44.68	44.14	46.28	46.66	46.70	46.17	45.22	44.67
23	45.85	46.65	45.69	45.55	44.60	46.07	46.21	46.55	46.67	46.12	45.19	44.65
24	46.82	46.60	45.68	45.51	44.57	46.33	46.64	46.68	46.61	46.07	45.17	44.63
25	46.82	46.57	45.68	45.47	44.54	46.52	46.66	46.70	46.59	46.03	45.15	44.61

179--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	46.82	46.52	45.85	45.45	44.52	46.54	46.66	46.65	46.60	45.99	45.12	44.60
27	46.80	46.48	45.90	45.43	44.50	46.77	46.50	46.53	46.54	45.95	45.10	44.75
28	46.77	46.45	46.28	45.38	44.47	46.78	46.40	46.42	46.49	45.91	45.09	45.08
29	46.76		46.58	45.35	44.42	47.16	46.40	46.32	46.43	45.88	45.07	45.13
30	46.73		46.58	45.32	44.38	47.33	46.32	46.30	46.40	45.85	45.05	45.15
31	46.71		46.48		44.35		46.81	46.22		45.82		45.15

180. U. S. Geol. Survey. Holopaw. On U. S. Highway 192, 0.3 mile east of Florida Highway 15. $SW\frac{1}{4}SW\frac{1}{4}$ sec. 12, T. 27 S., R. 32 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 12 feet, cased to 10, gravel packed 7-12. Land-surface datum is 74.50 feet above msl. Highest water level 74.45 above msl, Oct. 9, 1953; lowest 69.55 above msl, June 20, 1950. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	72.58	72.83	72.76	72.89	71.01	71.55	73.98	74.00	74.16	72.77	71.96	71.53
2	72.53	72.80	72.65	73.29	70.97	71.44	73.97	73.99	74.06	73.01	71.91	71.47
3	72.45	72.74	72.56	73.29	70.92	71.36	73.89	73.97	73.90	72.80	71.88	71.44
4	72.39	72.67	72.50	72.91	70.87	71.27	73.59	73.87	73.74	73.88	71.84	71.42
5	72.33	72.58	72.41	72.65	70.82	71.18	73.40	73.79	73.57	73.92	71.78	71.41
6	72.29	72.55	72.35	72.50	70.79	71.10	73.13	73.62	73.40	73.83	71.75	72.28
7	72.26	72.53	72.27	72.38	70.76	71.01	74.09	73.41	74.00	73.64	71.72	72.40
8	72.20	73.50	72.21	72.27	71.00	70.95	74.04	73.45	74.12	73.50	71.68	72.40
9	72.15	73.41	72.08	72.15	71.06	70.86	74.00	73.37	74.08	73.34	72.03	72.38
10	72.11	73.13	72.02	72.05	71.24	70.78	73.67	73.02	74.20	73.46	72.45	72.25
11	72.11	73.85	71.98	71.99	71.28	71.36	73.58	72.83	73.97	73.40	72.45	72.15
12	72.05	73.75	71.93	71.94	71.28	72.10	73.47	72.86	74.10	73.97	72.36	72.29
13	71.99	73.47	71.88	71.88	71.21	72.10	73.35	72.74	73.74	73.88	72.27	72.31
14	71.90	73.38	71.82	72.54	71.10	71.98	73.05	72.72	73.59	73.77	72.14	72.40
15	71.88	73.38	71.75	72.57	70.97	71.83	72.80	72.72	73.46	73.67	72.06	72.38
16	72.00	73.20	71.72	72.51	70.88	71.76	72.60	72.50	73.26	73.45	71.97	72.30
17	72.45	73.77	71.65	72.26	70.79	73.05	72.49	72.23	73.37	73.30	71.89	72.15
18	72.45	73.73	71.60	72.05	70.75	72.95	72.56	72.58	73.38	73.30	71.80	72.08
19	72.60	73.97	71.55	71.89	70.72	72.80	72.30	73.87	73.07	72.95	71.76	72.01
20	72.45	73.81	71.52	71.77	70.67	72.76	72.17	73.87	72.80	72.73	71.71	71.96
21	72.28	73.62	71.46	71.70	71.10	72.60	72.11	73.60	72.65	72.60	71.62	71.90
22	72.21	73.53	71.42	71.60	72.18	72.42	72.03	73.38	72.55	72.52	71.58	71.86
23	72.12	73.44	71.38	71.54	72.65	72.96	71.95	73.13	73.54	72.45	71.55	71.80
24	73.86	73.30	71.65	71.45	72.55	72.96	73.61	73.92	73.54	72.35	71.53	71.73
25	73.83	73.23	71.83	71.39	72.35	73.53	73.62	74.03	73.51	72.30	71.50	71.68
26	73.57	73.08	72.07	71.32	72.21	73.53	73.55	74.01	73.52	72.25	71.48	71.63
27	73.46	72.97	72.10	71.25	72.09	73.85	73.27	73.70	73.55	72.17	71.67	72.40
28	73.38	72.86	73.25	71.20	71.94	73.85	73.68	73.57	73.25	72.11	71.75	73.10
29	73.24		73.42	71.13	71.82	73.94	73.80	73.41	72.96	72.12	71.75	73.02
30	73.05		73.30	71.07	71.72	74.05	73.87	73.36	72.77	72.14	71.63	72.87
31	72.89		73.07		71.64		74.09	73.50		72.02		72.79

181. U. S. Geol. Survey. On U. S. Highway 192. $NE\frac{1}{4}SW\frac{1}{4}$ sec. 25, T. 26 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 15 feet, cased to 14, gravel packed 11-15. Land-surface datum is 79 feet above msl. Highest water level 79.53 above msl, Sept. 27, 1953; lowest 73.50 above msl, June 9, 1949. Records available: 1948-55. Previously shown as $NE\frac{1}{4}SE\frac{1}{4}$.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.50	.....	.....	75.81	74.70	75.31	76.35	76.89	77.73	76.17	75.59	75.04
2	75.50	.....	.....	75.73	74.67	75.29	76.35	76.90	77.70	76.12	75.56	75.02
3	75.48	.....	75.56	75.70	74.65	75.22	76.33	76.85	77.47	76.06	75.53	75.00
4	75.45	.....	75.56	75.65	74.62	75.12	76.22	76.96	77.30	76.20	75.50	74.98
5	75.43	.....	75.53	75.58	74.59	75.03	76.10	77.02	77.15	76.30	75.48	74.96
6	75.41	.....	75.50	75.52	74.56	74.94	76.00	77.00	77.01	76.31	75.45	74.98
7	75.39	.....	75.46	75.47	74.53	74.85	75.98	76.83	76.91	76.28	75.41	75.00
8	75.37	.....	75.43	75.42	74.51	74.78	76.06	76.91	77.12	76.21	75.38	75.00
9	75.35	.....	75.39	75.36	74.49	74.71	76.05	76.91	77.12	76.14	75.36	74.97
10	75.33	.....	75.35	75.32	74.47	74.64	76.01	76.77	76.99	76.06	75.62	74.93
11	75.31	.....	75.32	75.27	74.44	74.58	76.10	76.63	76.97	76.00	75.69	74.91
12	75.29	.....	75.29	75.23	74.42	75.12	76.12	76.50	76.88	76.15	75.65	74.90
13	75.27	.....	75.25	75.21	74.38	75.19	76.09	76.45	76.79	76.17	75.60	74.90
14	75.25	.....	75.22	75.18	74.36	75.20	76.00	76.36	76.71	76.17	75.55	74.89
15	75.22	.....	75.19	75.19	74.33	75.16	75.90	76.33	76.65	76.15	75.49	74.87

181--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	75.19	.....	75.16	75.17	74.31	75.08	75.82	76.30	76.60	76.08	75.44	74.86
17	75.22	.....	75.13	75.14	74.28	75.21	75.75	76.22	76.83	76.05	75.39	74.84
18	75.22	.....	75.10	75.10	74.26	75.25	75.68	76.15	76.83	76.06	75.35	74.82
19	75.23	.....	75.08	75.06	74.25	75.25	75.61	76.98	76.75	76.03	75.32	74.80
20	75.23	.....	75.05	75.03	74.22	75.23	75.55	77.02	76.68	75.95	75.30	74.78
21	75.17	.....	75.03	75.00	74.50	75.18	75.50	76.95	76.61	75.91	75.27	74.76
22	75.15	.....	75.00	74.97	74.75	75.10	75.44	76.88	76.55	75.88	75.25	74.75
23	75.13	.....	74.99	74.94	75.04	75.22	75.39	76.75	76.51	75.85	75.22	74.72
24	75.29	.....	74.98	74.91	75.09	75.36	75.46	77.13	76.47	75.81	75.20	74.70
25	.....	.....	75.05	74.88	75.09	75.57	75.50	77.42	76.43	75.78	75.17	74.69
26	.....	.....	75.22	74.85	75.05	75.80	75.51	77.50	76.39	75.75	75.15	74.67
27	.....	.....	75.35	74.83	74.98	75.88	75.47	77.42	76.34	75.72	75.13	74.66
28	.....	.....	75.45	74.79	74.88	75.92	75.42	77.25	76.30	75.69	75.12	74.65
29	.....		75.86	74.76	74.80	75.93	75.61	77.07	76.25	75.67	75.10	74.63
30	.....		75.88	74.73	75.06	76.25	76.03	77.01	76.22	75.65	75.07	74.62
31	.....		75.86		75.29		76.68	77.50		75.63		74.61

182. U. S. Geol. Survey. On Florida Highway 60, 4.3 miles east of Kissimmee River bridge. NE¼SW¼ sec. 16, T. 31 S., R. 32 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 23 feet, cased to 16, gravel packed 14-23. Land-surface datum is 62 feet above msl. Highest water level 61.73 above msl, Oct. 18, 1952; lowest 55.94 above msl, Aug. 13-15, 1950. Records available: 1949-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	59.84	60.08	59.27	59.95	58.19	60.60	61.10	61.40	59.57	58.93	59.30	58.39
2	59.79	59.98	59.22	60.10	58.14	60.29	61.13	61.40	59.48	58.90	59.24	58.37
3	59.73	59.90	59.17	60.42	58.10	60.03	61.11	61.41	59.60	60.22	59.19	58.35
4	59.68	59.83	59.13	60.37	58.07	59.78	60.85	61.43	59.71	60.50	59.15	58.34
5	59.63	59.77	59.10	60.14	58.04	59.60	60.50	61.43	59.67	60.75	59.10	58.33
6	59.59	59.72	59.05	59.90	58.00	59.48	60.90	61.35	59.49	60.77	59.05	58.32
7	59.57	59.68	59.02	59.72	57.97	59.37	61.43	61.11	59.53	60.60	58.99	58.45
8	59.55	60.26	58.97	59.57	57.94	59.30	61.50	60.83	60.00	60.28	58.95	58.50
9	59.50	60.26	58.92	59.45	57.91	59.21	61.50	60.66	60.26	60.03	58.97	58.52
10	59.48	60.12	58.86	59.35	57.88	59.11	61.50	60.46	60.26	59.93	59.03	58.52
11	59.45	59.96	58.83	59.26	57.85	59.00	61.47	60.15	60.62	60.80	59.04	58.50
12	59.42	59.88	58.80	59.21	57.83	58.89	61.41	59.88	60.88	61.28	59.03	58.45
13	59.37	59.68	58.77	59.23	57.80	58.85	61.39	59.90	60.88	61.45	58.96	58.42
14	59.33	59.62	58.72	59.07	57.76	58.99	61.39	60.30	60.58	61.46	58.90	58.38
15	59.27	59.65	58.67	59.23	58.18	58.98	61.33	60.70	60.23	61.46	58.85	58.36
16	59.23	59.64	58.63	59.23	58.85	59.00	61.08	60.75	59.97	61.37	58.80	58.35
17	59.69	59.91	58.60	59.20	59.06	60.08	60.81	60.56	59.78	61.20	58.77	58.32
18	59.69	59.94	58.57	59.07	59.06	60.12	60.56	60.15	59.64	61.03	58.71	58.29
19	59.71	59.91	58.53	58.93	59.01	60.41	60.25	59.98	59.83	60.83	58.68	58.27
20	59.70	59.85	58.48	58.85	58.92	60.48	60.00	60.17	59.78	60.55	58.65	58.25
21	59.60	59.75	58.44	58.78	58.87	60.40	59.83	60.20	59.65	60.30	58.62	58.24
22	59.50	59.60	58.41	58.70	58.95	60.14	59.71	60.09	59.51	60.09	58.57	58.22
23	59.43	59.52	58.37	58.64	60.09	59.87	59.60	59.83	59.42	59.92	58.54	58.20
24	60.85	59.47	58.72	58.59	60.09	59.69	60.32	59.94	59.35	59.80	58.52	58.18
25	61.00	59.43	59.68	58.50	60.01	59.75	60.42	60.10	59.27	59.70	58.50	58.17
26	60.93	59.38	59.79	58.45	59.85	59.75	60.34	60.18	59.22	59.62	58.48	58.15
27	60.75	59.35	59.79	58.40	59.66	60.60	60.65	60.07	59.15	59.55	58.47	58.12
28	60.64	59.32	59.88	58.35	59.48	60.84	61.10	59.77	59.08	59.50	58.45	58.73
29	60.49		60.36	58.29	59.34	60.96	61.13	59.56	59.02	59.45	58.44	58.92
30	60.42		60.33	58.24	60.08	60.96	60.95	59.43	58.97	59.42	58.42	58.92
31	60.22		60.15		60.65		61.37	59.57		59.37		58.90

183. U. S. Geol. Survey. SW¼SW¼ sec. 3, T. 31 S., R. 33 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 27 feet, cased to 22, gravel packed 16-27. Land-surface datum is 73 feet above msl. Highest water level 73.43 above msl, Oct. 9, 1953; lowest 68.47 above msl, May 17, 20, 1950. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.38	71.48	70.80	71.42	69.98	69.73	71.34	71.64	72.37	71.76	70.97	70.16
2	71.34	71.42	70.76	71.92	69.94	69.65	71.40	71.32	72.73	71.50	70.92	70.13
3	71.30	71.34	70.72	71.95	69.85	69.55	71.33	71.14	72.67	71.65	70.89	70.10
4	71.25	71.27	70.68	71.63	69.83	69.50	71.15	71.02	72.27	71.65	70.84	70.07
5	71.21	71.22	70.64	71.41	69.80	69.49	70.95	70.99	71.99	71.78	70.80	70.05

183--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	71.18	71.17	70.64	71.25	69.78	69.49	70.87	70.90	71.77	71.75	70.77	70.04
7	71.17	71.12	70.59	71.15	69.75	69.48	72.13	70.84	72.92	71.42	70.73	70.21
8	71.13	71.53	70.53	71.05	69.73	69.48	72.17	70.89	72.92	71.25	70.69	70.23
9	71.08	71.44	70.48	70.95	69.71	69.46	71.95	70.93	73.07	71.44	70.83	70.28
10	71.05	71.25	70.45	70.88	69.70	69.46	72.63	70.79	73.00	71.25	70.97	70.28
11	71.04	71.20	70.42	70.84	69.68	69.46	72.83	70.70	72.97	71.50	70.99	70.24
12	71.00	71.15	70.39	70.78	69.67	69.47	72.87	70.62	72.55	72.58	70.90	70.21
13	70.96	71.00	70.36	70.73	69.67	69.47	72.72	70.55	72.15	72.73	70.80	70.19
14	70.90	71.07	70.34	70.68	69.67	69.46	72.44	70.76	71.91	72.98	70.71	70.17
15	70.86	71.07	70.30	70.65	69.66	69.45	72.15	70.86	71.73	72.88	70.65	70.17
16	70.83	70.98	70.27	70.65	69.65	69.44	71.87	70.92	71.60	72.35	70.61	70.22
17	71.33	71.69	70.25	70.65	69.64	69.43	71.72	70.80	71.59	72.49	70.58	70.16
18	71.30	71.67	.....	70.58	69.66	69.45	71.60	70.65	72.84	72.53	70.53	70.10
19	71.41	71.55	.....	70.50	69.73	69.50	71.45	70.48	72.77	72.03	70.50	70.07
20	71.28	71.50	.....	70.45	69.81	69.53	72.03	70.43	72.25	71.78	70.46	70.05
21	71.16	71.33	.....	70.41	69.95	69.57	71.85	70.36	72.02	71.65	70.42	70.02
22	71.10	71.23	.....	70.35	70.06	69.60	71.65	70.34	72.95	71.55	70.39	69.98
23	71.01	71.16	.....	70.33	70.20	69.60	71.88	70.32	72.96	71.45	70.35	69.96
24	72.43	71.07	70.58	70.25	70.24	69.56	71.78	70.25	72.40	71.37	70.30	69.95
25	72.37	71.00	71.35	70.20	70.27	69.70	71.63	71.70	72.15	71.32	70.26	69.93
26	72.06	70.94	71.43	70.17	70.23	69.74	71.41	71.80	71.95	71.27	70.24	69.90
27	71.91	70.92	71.43	70.13	70.15	70.37	71.83	71.62	71.70	71.21	70.22	69.88
28	71.88	70.86	71.98	70.09	70.07	70.55	71.87	71.43	71.53	71.14	70.21	70.82
29	71.91		72.03	70.05	69.98	70.60	71.51	71.26	71.90	71.08	70.26	70.87
30	71.70		71.78	70.02	69.90	70.68	71.28	72.23	71.85	71.05	70.18	70.87
31	71.55		71.58		69.82		71.59	72.27		71.01		70.82

Palm Beach County

88. U. S. Geol. Survey. South F St. and First Ave., Lake Worth. NE¼NE¼ sec. 28, T. 44 S., R. 43 E. Drilled observation water-table well in sand of Biscayne aquifer, diameter 6 inches, depth 17 feet, cased to 16, gravel packed 12-17. Land-surface datum is 14.44 feet above msl. Highest water level 15.47 above msl, Oct. 5, 1948; lowest 4.32 above msl, June 10, 1955. Records available: 1944-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.19	6.24	e5.94	5.52	4.95	4.53	6.16	....	5.24	5.60	5.59	4.90
2	7.16	6.23	e5.92	5.85	4.93	4.51	6.02	....	5.24	5.57	5.54	4.88
3	7.13	6.20	e5.88	5.93	4.90	4.49	5.97	....	5.22	5.55	5.60	4.86
4	7.10	6.18	e5.85	5.92	4.88	4.47	5.93	....	5.18	5.52	5.56	4.85
5	7.06	6.15	e5.82	5.75	4.86	4.45	5.96	....	5.15	5.50	5.53	4.85
6	7.02	6.13	e5.78	5.67	4.83	4.42	6.29	....	5.12	5.48	5.50	4.83
7	6.98	6.12	e5.76	5.63	4.81	4.40	6.29	....	5.37	5.43	5.46	4.82
8	6.96	6.10	e5.73	5.60	4.79	4.38	6.15	5.17	6.08	5.40	5.42	4.80
9	6.92	6.06	e5.69	5.56	4.77	4.36	6.08	5.15	6.05	5.37	5.40	4.80
10	6.88	6.03	e5.67	5.52	4.74	4.33	6.04	5.13	5.70	5.50	5.38	4.78
11	6.85	6.01	e5.63	5.50	4.72	5.33	6.02	5.12	5.62	5.62	5.37	4.77
12	6.81	6.01	e5.58	5.46	4.70	5.31	6.00	5.23	5.60	6.77	5.33	4.76
13	6.77	5.97	e5.57	5.42	4.67	5.30	5.97	5.23	5.58	6.77	5.31	4.90
14	6.73	5.95	e5.54	5.38	4.64	5.05	5.94	5.11	5.57	6.46	5.28	6.53
15	6.69	5.93	e5.52	5.34	5.48	4.98	5.91	5.06	5.57	6.38	5.26	6.27
16	6.65	5.91	e5.48	5.31	5.58	5.10	5.87	5.03	5.56	6.36	5.24	6.00
17	6.62	e6.81	e5.45	5.28	5.07	5.55	5.82	5.00	5.52	6.33	5.22	5.92
18	6.57	e6.81	e5.43	5.25	5.02	5.83	5.79	4.97	5.88	6.29	5.20	5.85
19	6.54	e6.73	e5.40	5.22	5.04	5.83	5.75	4.95	6.19	6.26	5.17	5.78
20	6.51	e6.64	e5.37	5.20	4.98	5.82	5.71	4.94	6.17	6.22	5.15	5.75
21	6.47	e6.56	e5.33	5.18	4.90	5.80	5.71	4.93	5.88	6.18	5.13	5.73
22	6.43	e6.47	e5.31	5.16	4.85	5.78	5.67	4.90	5.80	6.16	5.10	5.72
23	6.40	e6.40	e5.28	5.14	4.82	5.78	5.63	4.88	5.77	6.12	5.08	5.71
24	6.38	e6.32	e6.02	5.13	4.78	5.78	5.59	4.87	5.75	6.07	5.05	5.67
25	6.88	e6.24	e6.02	5.10	4.75	5.78	5.55	4.86	5.83	6.03	5.02	5.64
26	6.57	6.16	e5.83	5.07	4.72	5.77	5.52	4.85	5.80	5.97	5.00	5.62
27	6.40	e6.08	e5.57	5.05	4.67	5.77	5.48	4.83	5.75	5.92	4.98	5.59
28	6.35	e5.96	e5.82	5.02	4.63	5.77	5.44	6.13	5.72	5.87	4.96	5.56
29	6.33		5.66	4.99	4.60	6.39	5.40	6.13	5.68	5.83	4.94	5.54
30	6.30		5.66	4.97	4.57	6.40	5.38	5.50	5.63	5.77	4.92	5.52
31	6.27		5.58		4.55		5.34	5.30		5.74		5.51

e Estimated.

99. U. S. Geol. Survey. Garden Ave. and Bradley St., West Palm Beach. SW¼NE¼ sec. 4, T. 44 S., R. 43 E. Drilled observation water-table well in sand of Biscayne aquifer, diameter 6 inches, depth 18 feet, cased to 16, gravel packed 14-18. Land-surface datum is 14.43 feet above msl. Highest water level 14.06 above msl, Oct. 6, 1948; lowest 5.62 above msl, July 2, 1952. Records available: 1948-55.

Daily highest water level, above msl, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.95	7.12	6.93	6.64	6.28	5.98	7.25	6.62	6.35	6.77	6.32	5.90
2	7.92	7.12	6.90	6.64	6.27	5.98	7.20	6.60	6.36	6.76	6.28	5.89
3	7.88	7.11	6.86	6.71	6.25	5.97	7.16	6.57	6.36	6.75	6.26	5.87
4	7.85	7.09	6.83	6.72	6.23	5.95	7.12	6.55	6.32	6.70	6.25	5.87
5	7.82	7.06	6.80	6.72	6.22	5.95	7.11	6.51	6.30	6.67	6.23	5.87
6	7.80	7.05	6.77	6.72	6.20	5.92	7.35	6.50	6.27	6.64	6.22	5.86
7	7.76	7.03	6.76	6.72	6.18	5.90	7.35	6.47	6.28	6.62	6.20	5.85
8	7.73	7.01	6.74	6.72	6.16	5.89	7.35	6.46	7.06	6.60	6.16	5.85
9	7.69	6.98	6.72	6.72	6.16	5.87	7.32	6.45	7.10	6.58	6.15	5.85
10	7.67	6.95	6.70	6.72	6.15	5.86	7.31	6.42	7.10	6.55	6.18	5.83
11	7.62	6.92	6.67	6.72	6.12	6.17	7.29	6.41	7.08	6.55	6.18	5.83
12	7.59	6.91	6.66	6.72	6.08	6.38	7.24	6.37	7.05	6.60	6.15	5.82
13	7.55	6.88	6.65	6.72	6.06	6.49	7.18	6.39	7.00	6.71	6.12	5.92
14	7.53	6.87	6.62	6.70	6.05	6.52	7.14	6.37	6.97	6.72	6.11	7.09
15	7.50	6.85	6.61	6.67	6.13	6.55	7.08	6.35	6.92	6.72	6.10	7.10
16	7.46	6.83	6.58	6.63	6.20	6.60	7.06	6.34	6.88	6.68	6.08	7.11
17	7.45	7.00	6.55	6.63	6.20	6.66	7.01	6.30	6.83	6.63	6.07	7.10
18	7.42	7.08	6.53	6.60	6.22	7.18	7.00	6.29	6.93	6.60	6.06	7.08
19	7.39	7.10	6.52	6.55	6.25	7.22	6.95	6.28	7.05	6.60	6.04	7.06
20	7.35	7.10	6.49	6.50	6.26	7.25	6.92	6.27	7.08	6.53	6.02	7.11
21	7.32	7.10	6.48	6.47	6.26	7.27	6.90	6.26	7.10	6.52	6.02	7.12
22	7.29	7.10	6.46	6.45	6.25	7.29	6.88	6.25	7.10	6.51	6.00	7.11
23	7.25	7.10	6.44	6.43	6.25	7.30	6.83	6.22	7.06	6.48	6.00	7.11
24	7.23	7.10	6.50	6.40	6.22	7.30	6.80	6.21	7.05	6.46	5.98	7.08
25	7.27	7.09	6.52	6.38	6.18	7.30	6.80	6.20	7.00	6.44	5.97	7.06
26	7.27	7.06	6.52	6.36	6.15	7.27	6.75	6.17	6.97	6.42	5.95	7.06
27	7.25	7.02	6.52	6.35	6.10	7.27	6.75	6.16	6.91	6.40	5.95	7.01
28	7.22	6.98	6.52	6.30	6.06	7.26	6.73	6.15	6.87	6.38	5.95	7.15
29	7.21		6.64	6.30	6.02	7.21	6.70	6.12	6.84	6.36	5.93	7.16
30	7.19		6.64	6.30	6.02	7.24	6.65	6.18	6.80	6.34	5.90	7.15
31	7.14		6.64		6.01		6.63	6.25		6.33		7.13

Pasco County

13. C. C. Cone. SW¼NE¼ sec. 31, T. 25 S., R. 19 E. Drilled unused water-table well in Floridan aquifer, diameter 6 inches, depth 49 feet, cased to 43. Land-surface datum is 80.5 feet above msl. Highest water level 3.60 below lsd, Sept. 18, 1953; lowest 10.5 below lsd, June 1945. Records available: 1934, 1936-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.50	6.99	7.51	7.81	8.70	....	8.26	5.94	6.03	6.66	7.28	7.01
2	7.53	7.00	7.54	7.75	8.73	....	8.17	6.01	5.85	6.71	7.32	7.02
3	7.58	7.06	7.56	7.62	8.76	....	8.07	6.11	5.69	6.74	7.37	7.04
4	7.58	7.10	7.61	7.71	8.80	....	8.06	6.15	5.71	6.76	7.41	7.07
5	7.59	7.13	7.68	7.79	8.81	....	8.08	6.00	5.50	6.80	7.43	7.06
6	7.60	7.14	7.70	7.85	8.84	....	8.09	6.00	5.61	6.85	7.44	6.97
7	7.60	7.16	7.73	7.89	....	....	7.78	6.02	5.74	6.89	7.47	6.84
8	....	6.97	7.80	7.96	....	....	6.74	5.75	5.75	6.93	7.50	6.87
9	....	6.98	7.83	8.03	....	....	6.22	5.87	5.57	6.97	7.42	6.85
10	....	7.00	7.86	8.07	....	....	5.99	5.97	5.58	6.99	6.41	6.95
11	....	6.90	7.89	8.11	....	....	6.00	6.08	5.51	6.97	6.15	6.98
12	....	6.90	7.90	8.17	....	....	5.91	6.20	5.55	6.95	6.20	6.94
13	....	6.96	7.93	8.20	....	....	5.95	6.19	5.39	6.99	6.24	6.96
14	7.83	6.98	7.97	8.15	....	....	5.96	6.20	5.55	6.89	6.29	7.01
15	7.82	7.00	8.01	8.00	....	8.82	6.07	6.23	5.70	6.81	6.33	7.03
16	7.78	7.04	8.03	8.05	....	8.85	6.14	6.31	5.82	6.90	6.41	7.08
17	7.51	7.08	8.08	8.14	....	8.86	6.04	6.42	5.94	6.86	6.47	7.12
18	7.50	7.10	8.10	8.23	....	8.90	5.94	6.51	6.00	6.71	6.52	7.15
19	7.37	7.16	8.11	8.28	....	8.92	6.08	6.40	6.07	6.82	6.58	7.18
20	7.40	7.20	8.16	8.32	....	8.96	6.22	5.96	6.08	6.90	6.66	7.19

13--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	7.42	7.25	8.19	8.35	....	9.01	6.25	5.99	6.03	6.96	6.70	7.21
22	7.43	7.28	8.19	8.37	....	9.05	6.20	6.07	6.06	7.01	6.72	7.22
23	7.37	7.32	8.22	8.41	....	9.05	6.14	6.18	6.15	7.07	6.77	7.25
24	7.00	7.37	8.12	8.44	....	8.89	6.10	6.24	6.24	7.11	6.82	7.30
25	6.86	7.40	7.97	8.47	....	8.94	6.18	6.33	6.32	7.15	6.84	7.30
26	6.83	7.41	7.92	8.50	....	9.00	6.27	6.37	6.33	7.19	6.80	7.31
27	6.80	7.43	7.87	8.54	....	8.99	6.37	6.40	6.44	7.22	6.78	7.33
28	6.83	7.46	7.84	8.58	....	8.63	6.41	6.50	6.49	7.24	6.83	7.38
29	6.89		7.67	8.63	....	8.49	6.25	6.58	6.53	7.20	6.95	7.40
30	6.93		7.71	8.65	....	8.38	6.00	6.55	6.60	7.15	7.01	7.41
31	6.97		7.75		....		5.88	6.02		7.24		7.42

16. A. Messick. SE¼NW¼ sec. 34, T. 25 S., R. 21 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, depth 1,008 feet, cased to 20. Land-surface datum is 135.5 feet above msl. Highest water level 54.6 below lsd, September 1945; lowest 72.22 below lsd, June 27, 1955. Records available: 1936-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	68.10	69.25	69.98	70.66	71.19	71.82	72.13	70.62	68.96	67.82	68.58	69.25
2	68.14	69.28	70.02	70.64	71.22	71.82	72.10	70.55	68.93	67.83	68.61	69.26
3	68.21	69.34	70.03	70.67	71.24	71.83	72.07	70.47	68.89	67.84	68.65	69.28
4	68.25	69.38	70.07	70.71	71.26	71.84	72.03	70.40	68.83	67.85	68.70	69.31
5	68.28	69.37	70.09	70.72	71.28	71.83	71.98	70.33	68.76	67.85	68.71	69.32
6	68.33	69.38	70.10	70.71	71.32	71.85	71.93	70.25	68.69	67.87	68.75	69.33
7	68.38	69.42	70.13	70.72	71.35	71.85	71.89	70.17	68.60	67.89	68.79	69.36
8	68.43	69.47	70.18	70.77	71.39	71.86	71.85	70.09	68.55	67.90	68.82	69.39
9	68.46	69.51	70.19	70.78	71.42	71.88	71.81	70.04	68.49	67.94	68.84	69.45
10	68.49	69.52	70.20	70.79	71.45	71.91	71.77	69.96	68.42	67.96	68.84	69.49
11	68.55	69.55	70.23	70.80	71.47	71.92	71.73	69.88	68.35	67.97	68.93	69.50
12	68.59	69.63	70.25	70.81	71.50	71.95	71.70	69.82	68.30	67.97	68.96	69.52
13	68.63	69.63	70.30	70.83	71.54	71.97	71.66	69.78	68.25	67.97	68.97	69.56
14	68.69	69.61	70.32	70.85	71.57	72.01	71.60	69.73	68.17	68.01	68.96	69.58
15	68.69	69.63	70.34	70.85	71.60	72.00	71.55	69.66	68.10	68.06	68.96	69.60
16	68.72	69.65	70.37	70.86	71.62	72.00	71.50	69.58	68.06	68.08	68.98	69.66
17	68.78	69.67	70.39	70.87	71.65	72.02	71.45	69.55	68.03	68.09	69.02	69.70
18	68.78	69.70	70.42	70.90	71.69	72.05	71.40	69.52	68.00	68.14	69.03	69.72
19	68.88	69.73	70.45	70.90	71.71	72.08	71.36	69.47	67.96	68.20	69.03	69.76
20	68.93	69.77	70.48	70.91	71.73	72.09	71.31	69.42	67.94	68.25	69.08	69.79
21	68.93	69.79	70.49	70.92	71.76	72.10	71.26	69.37	67.93	68.25	69.08	69.82
22	68.95	69.81	70.52	70.95	71.78	72.11	71.22	69.31	67.90	68.28	69.09	69.86
23	68.98	69.85	70.56	70.98	71.80	72.13	71.18	69.25	67.87	68.30	69.11	69.91
24	69.05	69.88	70.57	71.00	71.80	72.14	71.14	69.21	67.85	68.32	69.15	69.96
25	69.12	69.91	70.56	71.01	71.81	72.15	71.09	69.18	67.85	68.35	69.13	69.99
26	69.10	69.93	70.60	71.03	71.82	72.16	71.03	69.15	67.84	68.38	69.15	70.01
27	69.10	69.95	70.65	71.07	71.83	72.17	70.96	69.12	67.83	68.42	69.15	70.04
28	69.13	69.96	70.62	71.10	71.83	72.17	70.89	69.08	67.81	68.44	69.17	70.10
29	69.18		70.64	71.13	71.82	72.16	70.80	69.05	67.80	68.45	69.25	70.14
30	69.23		70.66	71.16	71.81	72.15	70.75	69.01	67.81	68.51	69.26	70.15
31	69.25		70.65		71.81		70.69	68.99		68.56		70.20

Pinellas County

13. U. S. Geol. Survey. SE¼NE¼ sec. 13, T. 27 S., R. 15 E. Drilled observation artesian well in Floridan aquifer, diameter 6 inches, depth 141 feet, cased to 33. Land-surface datum is 11.88 feet above msl. Highest water level 6.65 below lsd, Aug. 17, 1949; lowest 10.70 below lsd, May 3, 1950. Records available: 1947-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	9.90	9.64	9.76	9.70	9.54	9.78	9.64	8.18	9.16	9.01	9.30	9.55
2	9.85	9.65	9.82	9.60	9.52	9.73	9.61	8.23	9.11	9.03	9.32	9.59
3	9.95	9.74	9.85	9.70	9.61	9.69	9.60	8.30	9.05	9.02	9.32	9.67
4	9.96	9.82	9.80	9.71	9.58	9.54	9.61	8.34	9.00	9.04	9.38	9.66
5	9.93	9.74	9.84	9.68	9.55	9.47	9.58	8.39	8.99	9.05	9.40	9.67
6	9.90	9.62	9.86	9.67	9.52	9.45	9.53	8.41	8.93	9.08	9.34	9.55
7	9.92	9.69	9.83	9.62	9.56	9.46	9.51	8.46	8.89	9.08	9.35	9.44
8	9.90	9.78	9.93	9.62	9.58	9.40	9.50	8.48	8.88	9.09	9.37	9.33
9	9.87	9.84	9.91	9.67	9.60	9.34	9.49	8.50	8.88	9.10	9.34	9.43
10	9.82	9.73	9.87	9.68	9.63	9.40	9.48	8.50	8.83	9.12	8.91	9.52

13--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	9.80	9.58	9.82	9.61	9.70	9.21	9.40	8.52	8.77	9.13	9.15	9.51
12	9.83	9.95	9.88	9.60	9.65	9.43	9.34	8.54	8.68	9.11	9.01	9.55
13	9.80	9.97	9.84	9.49	9.62	9.56	9.37	8.57	8.60	9.10	8.97	9.56
14	9.84	9.84	9.88	9.60	9.66	9.68	9.30	8.60	8.69	9.10	8.90	9.54
15	9.73	9.83	9.82	9.63	9.73	9.60	9.21	8.64	8.97	9.12	8.85	9.55
16	9.55	9.80	9.80	9.60	9.68	9.62	9.17	8.95	9.07	9.15	8.82	9.60
17	9.67	9.81	9.83	9.65	9.62	9.54	9.06	9.11	9.19	9.00	8.87	9.55
18	9.50	9.86	9.82	9.70	9.69	9.49	9.00	9.30	9.32	....	8.88	9.56
19	9.71	9.85	9.84	9.62	9.64	9.43	8.84	9.50	9.43	....	8.83	9.58
20	9.91	9.82	9.82	9.58	9.60	9.60	8.70	9.59	9.47	....	8.94	9.61
21	9.67	9.80	9.80	9.58	9.57	9.61	8.54	9.70	9.60	....	8.92	9.57
22	9.65	9.79	9.61	9.52	9.64	9.60	8.39	9.81	9.76	....	8.93	9.58
23	9.62	9.77	9.89	9.50	9.67	9.61	8.32	9.89	9.85	....	8.91	9.56
24	9.71	9.80	9.77	9.31	9.61	9.70	8.21	9.88	9.89	....	8.95	9.60
25	9.81	9.83	9.55	9.26	9.63	9.76	8.14	9.59	9.62	9.23	8.98	9.60
26	9.77	9.80	9.50	9.22	9.64	9.72	8.11	9.34	9.39	9.22	9.01	9.61
27	9.71	9.79	9.97	9.36	9.71	9.73	8.10	9.10	9.22	9.24	8.97	9.68
28	9.65	9.75	9.82	9.44	9.74	9.78	8.12	9.18	9.12	9.22	9.01	9.67
29	9.69		9.80	9.48	9.73	9.79	8.11	9.23	9.06	9.20	9.14	9.66
30	9.68		9.73	9.62	9.69	9.71	8.12	9.23	9.03	9.27	9.33	9.67
31	9.66		9.70		9.73		8.15	9.18		9.34		9.65

77. Dr. Paul E. Allen. NW¼NE¼ sec. 12, T. 28 S., R. 15 E. Drilled unused artesian well in Floridan aquifer, diameter 10 inches, depth 282 feet. Land-surface datum is 69.50 feet above msl. Highest water level 62.79 below lsd, Sept. 6, 1950; lowest 67.95 below lsd, May 20, 1949. Records available: 1947-55. Depth previously shown as 100 feet.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	65.82	65.56	65.55	.....	.....	.....	65.38	64.73	64.77	64.81	65.30	65.62
2	65.80	65.48	65.60	.....	.....	.....	65.27	64.77	64.72	64.87	65.55	65.43
3	65.90	65.57	65.70	.....	.....	.....	65.20	64.81	64.68	64.91	65.61	65.41
4	65.86	65.80	65.65	.....	.....	.....	65.21	64.85	64.68	64.91	65.77	65.38
5	65.74	65.77	65.66	.....	.....	.....	65.29	64.89	64.65	64.90	65.83	65.38
6	65.75	65.28	65.61	.....	.....	.....	65.16	64.90	64.64	64.91	65.51	65.31
7	65.71	65.09	e65.63	.....	.....	.....	65.12	64.90	64.57	64.90	65.74	65.29
8	65.71	65.20	.....	.....	.....	.....	65.10	64.81	64.55	64.88	65.77	65.22
9	65.57	65.62	.....	.....	.....	.....	65.14	64.81	64.58	64.94	65.47	65.27
10	65.41	65.53	e65.80	.....	.....	.....	65.20	64.80	64.50	65.02	64.79	65.53
11	65.30	65.24	65.89	.....	.....	.....	65.19	64.77	64.48	65.00	64.88	65.60
12	65.51	65.84	65.76	.....	.....	.....	65.12	64.72	64.48	64.89	65.01	65.63
13	65.51	66.22	65.77	.....	.....	.....	65.21	64.73	64.51	64.78	65.03	65.65
14	65.75	66.04	65.79	.....	.....	.....	65.11	64.80	64.59	64.74	65.01	65.56
15	65.54	65.87	.....	.....	.....	65.93	.....	64.85	64.68	64.83	64.96	65.50
16	65.25	65.75	.....	.....	.....	65.83	.....	64.95	64.70	64.85	64.84	65.60
17	65.21	65.70	.....	.....	.....	65.73	.....	65.00	64.73	64.51	64.83	65.58
18	65.18	65.70	.....	.....	.....	65.47	.....	65.10	64.78	64.62	64.98	65.50
19	65.10	65.70	.....	.....	.....	65.19	.....	65.20	64.82	64.98	64.90	65.49
20	65.66	65.60	.....	.....	.....	65.39	.....	65.18	64.81	65.15	65.15	65.59
21	65.62	65.50	.....	.....	.....	65.29	.....	65.15	64.90	65.24	65.20	65.54
22	65.30	65.40	.....	.....	.....	65.33	.....	65.14	64.95	65.22	65.15	65.51
23	65.19	65.37	.....	.....	.....	65.52	.....	65.10	64.98	65.18	65.10	65.53
24	65.25	65.46	.....	.....	.....	65.61	.....	65.11	65.00	65.09	65.12	65.54
25	65.62	65.70	.....	.....	.....	65.51	.....	64.99	65.02	65.07	65.14	65.57
26	65.67	e65.80	.....	.....	.....	65.40	.....	64.92	65.01	65.28	65.15	65.53
27	65.48	65.66	.....	.....	.....	65.68	.....	64.89	64.95	65.30	65.13	65.54
28	65.38	65.60	.....	.....	.....	65.75	.....	64.85	64.84	65.14	64.97	65.68
29	65.43		.....	.....	.....	65.80	.....	64.89	64.82	64.84	65.30	65.63
30	65.51		.....	.....	.....	65.74	64.74	64.90	64.80	64.80	65.60	65.53
31	65.59		.....		.....		64.73	64.86		65.11		65.58

e Estimated.

166. Keller Engineering & Sales Co. Formerly Juice Industries, Inc. Dunedin. SW¼SE¼ sec. 27, T. 28 S., R. 15 E. Drilled industrial artesian well in Floridan aquifer, diameter 12 inches, reported depth 200 feet. Land-surface datum is 13.57 feet above msl. Highest water level 7.67 below lsd, Oct. 22, 1945; lowest 18.34 below lsd, May 28-29, 1953. Records available: 1945, 1948-55. Previously shown as sec. 14.

166--Continued.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.85	.....	.....	.....	.....	13.59	12.56	.....	10.09	10.30	10.42	10.25
2	10.92	.....	.....	.....	.....	.....	12.32	.....	e9.97	10.25	10.50	10.41
3	11.03	.....	.....	.....	.....	.....	12.24	.....	e9.75	10.07	10.50	e10.45
4	11.16	.....	.....	.....	.....	.....	12.21	.....	e9.73	9.96	10.68	10.55
5	e11.15	.....	.....	.....	12.78	.....	12.22	.....	e9.55	9.92	10.66	10.60
6	11.16	.....	.....	.....	12.90	.....	12.16	.....	e9.53	10.00	10.60	10.38
7	e11.17	.....	.....	.....	13.10	.....	12.00	.....	e9.44	e9.99	10.70	10.30
8	11.09	.....	.....	.....	13.11	.....	11.93	.....	e9.42	9.84	9.84	10.30
9	10.93	11.83	.....	.....	12.96	.....	11.73	.....	e9.35	10.08	10.67	10.42
10	10.85	11.60	.....	.....	13.34	.....	11.70	.....	e9.35	10.20	10.30	10.59
11	10.78	11.40	.....	.....	13.50	.....	11.58	.....	e9.33	10.32	10.22	10.72
12	10.80	11.60	.....	.....	13.62	.....	11.44	.....	e9.32	10.16	10.18	10.42
13	10.79	11.74	.....	.....	13.61	.....	11.50	.....	9.32	10.00	10.16	e10.55
14	10.80	11.60	.....	.....	13.68	.....	11.44	.....	9.48	9.83	10.20	10.80
15	10.80	11.61	.....	.....	13.50	.....	11.40	.....	9.61	9.93	10.21	10.67
16	11.04	11.66	.....	.....	13.44	13.50	11.39	.....	9.50	9.88	10.22	10.54
17	10.89	11.85	.....	.....	13.38	13.00	11.40	.....	9.39	9.80	10.25	10.80
18	10.73	11.88	.....	.....	13.00	12.65	11.34	.....	9.45	9.76	10.33	10.74
19	10.70	11.95	.....	.....	12.82	12.32	11.30	.....	9.50	10.04	10.30	10.76
20	10.76	11.88	.....	.....	12.63	12.41	11.28	.....	9.50	9.97	10.42	10.99
21	11.01	11.69	.....	.....	12.73	e12.55	11.18	.....	9.44	10.31	10.29	10.97
22	10.86	11.61	.....	.....	12.74	12.84	11.10	.....	9.54	10.39	10.34	11.00
23	10.55	11.60	.....	.....	12.89	13.21	11.00	.....	9.52	10.50	10.30	11.07
24	e10.60	11.72	.....	.....	13.11	13.21	10.94	10.70	9.53	10.46	10.44	11.23
25	.....	11.91	.....	.....	13.43	13.65	10.84	10.63	9.60	10.58	10.48	11.15
26	.....	12.00	.....	.....	13.42	13.70	10.87	e10.33	9.64	.....	10.51	11.24
27	.....	.....	.....	.....	13.42	13.41	11.30	10.36	9.67	11.00	10.30	11.17
28	.....	.....	.....	.....	13.30	13.34	11.40	10.31	9.87	.....	9.94	11.19
29	.....		.....	.....	13.25	12.77	11.16	10.35	10.00	10.42	9.95	11.23
30	.....		.....	.....	13.31	12.89	.....	10.47	10.12	10.35	10.45	11.80
31	.....		.....		13.20		.....	10.24		10.35		11.77

e Estimated.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.94	.....	.....	.....	.....	16.54	13.60	.....	11.14	12.59	12.70	12.29
2	12.70	.....	.....	.....	.....	.....	e13.55	.....	11.37	12.45	11.77	12.58
3	12.34	.....	.....	.....	.....	.....	13.50	.....	10.83	11.35	13.00	12.54
4	12.89	.....	.....	.....	e15.85	.....	13.35	.....	10.68	11.30	12.30	12.51
5	12.92	.....	.....	.....	15.81	.....	13.32	.....	10.72	e11.33	11.90	11.86
6	12.93	.....	.....	.....	16.18	.....	13.01	.....	10.79	e11.41	12.68	11.54
7	12.84	.....	.....	.....	16.00	.....	12.99	.....	10.50	e11.82	12.97	11.50
8	13.10	.....	.....	.....	15.42	.....	13.36	.....	10.60	e11.30	13.04	11.61
9	12.60	13.69	.....	.....	16.17	.....	12.71	.....	11.01	11.95	11.60	11.69
10	12.80	13.50	.....	.....	16.38	.....	12.70	.....	10.46	12.33	10.90	12.22
11	12.69	12.60	.....	.....	16.50	.....	12.70	.....	10.30	e11.48	11.09	12.23
12	13.90	12.89	.....	.....	16.47	.....	12.49	.....	10.50	11.20	11.32	11.78
13	12.08	13.76	.....	.....	16.35	.....	12.58	.....	e10.70	10.97	11.27	12.01
14	12.89	13.40	.....	.....	16.18	.....	12.63	.....	11.80	10.83	12.30	e12.85
15	13.19	13.72	.....	.....	15.85	e16.67	12.20	.....	e10.93	11.24	12.50	11.94
16	12.84	13.78	.....	.....	16.40	15.81	12.47	.....	11.17	11.10	12.48	12.44
17	12.60	13.73	.....	.....	14.40	13.94	12.10	.....	11.44	e10.97	12.60	12.37
18	12.10	13.80	.....	.....	14.63	13.62	12.11	.....	10.81	e11.12	12.46	12.60
19	11.86	13.85	.....	.....	14.70	13.41	12.30	.....	11.76	11.37	12.40	12.80
20	11.78	13.88	.....	.....	14.56	13.97	12.02	.....	10.84	11.49	12.09	12.70
21	12.66	13.82	.....	.....	14.30	15.38	12.03	.....	10.83	12.42	12.04	12.80
22	12.50	13.72	.....	.....	14.97	15.90	12.15	.....	10.91	12.60	12.00	12.80
23	11.78	14.18	.....	.....	15.93	15.68	12.00	12.96	11.16	12.55	12.10	12.85
24	11.80	14.22	.....	.....	15.80	16.08	11.87	e12.96	10.84	12.65	12.18	12.90
25	.....	14.20	.....	.....	16.03	15.90	12.05	11.67	11.87	e12.87	12.39	12.32
26	.....	14.10	.....	.....	16.13	16.02	13.30	11.63	10.94	13.00	11.88	12.80
27	.....	.....	.....	.....	15.70	16.44	14.00	11.36	11.10	13.00	11.88	12.78
28	.....	.....	.....	.....	16.01	14.30	12.40	11.37	12.00	12.96	11.72	12.77
29	.....		.....	.....	16.02	14.80	12.20	11.80	12.19	11.30	12.05	13.98
30	.....		.....	.....	15.82	15.01	.....	11.86	12.47	11.20	12.21	14.16
31	.....		.....		16.30		.....	11.30		11.56		13.20

e Estimated.

246. City of Clearwater. Garden and Marshall Sts. NE¼NE¼ sec. 9, T. 29 S., R. 15 E. Drilled unused artesian well in Floridan aquifer, diameter 10 inches, reported depth 100 feet. Land-surface datum is 32.27 feet above msl. Highest water level 23.64 below lsd, Sept. 6, 1950; lowest 28.59 below lsd, May 11, 1955. Records available: 1945-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.70	26.52	26.84	26.88	27.46	27.96	27.13	26.25	26.09	26.55	26.48	.....
2	26.73	26.50	26.99	26.64	27.33	28.08	26.91	26.26	26.04	26.59	26.53	.....
3	26.83	26.66	27.12	26.42	27.63	28.18	26.87	26.36	26.00	26.49	26.58	.....
4	26.84	26.88	27.13	26.53	27.78	28.14	.....	26.45	26.00	26.36	26.71	.....
5	26.77	26.75	27.17	26.69	27.82	27.90	.....	26.52	25.99	26.30	26.78	.....
6	26.72	26.33	27.02	26.80	27.84	27.78	.....	26.67	25.98	26.40	26.72	26.45
7	26.77	26.18	26.97	26.80	27.92	27.93	.....	26.68	25.94	26.48	26.73	26.36
8	26.80	26.29	27.35	26.89	27.77	27.95	.....	26.44	25.93	26.53	26.78	26.22
9	26.65	26.65	27.42	27.05	27.81	27.97	.....	26.36	25.98	26.65	26.57	26.45
10	26.51	26.51	27.41	26.93	28.05	27.98	.....	26.46	25.93	26.72	25.90	26.77
11	26.48	26.25	27.36	26.87	28.16	27.69	.....	26.62	25.83	26.75	26.12	26.80
12	26.60	26.90	27.34	26.82	28.18	27.10	.....	26.59	25.82	26.58	26.28	26.76
13	26.65	27.25	27.30	26.75	28.16	27.30	.....	26.51	25.94	26.36	26.35	26.73
14	26.62	26.96	27.28	26.72	26.07	27.74	.....	26.39	26.06	26.15	26.36	26.72
15	26.65	26.80	27.39	26.55	27.80	27.91	.....	26.34	26.16	26.24	26.34	26.71
16	26.36	26.67	27.43	26.60	27.79	27.72	.....	26.40	26.18	26.30	26.26	26.85
17	26.22	26.65	27.50	26.72	27.57	27.03	.....	26.60	26.21	26.03	26.32	26.88
18	26.17	26.66	27.50	26.91	27.39	26.68	.....	26.75	26.17	26.08	26.44	26.62
19	26.22	26.72	27.48	27.07	27.45	26.50	.....	26.82	26.15	26.53	26.41	26.88
20	26.70	26.61	27.40	27.06	27.24	26.59	.....	26.56	26.11	26.84	26.67	27.00
21	26.55	26.62	27.27	27.00	27.27	26.84	.....	26.44	26.15	27.06	26.67	26.97
22	26.25	26.59	27.17	26.98	27.25	27.10	.....	26.40	26.30	27.10	26.66	26.96
23	26.05	26.64	27.26	26.90	27.45	27.26	.....	26.38	26.40	27.00	26.65	26.97
24	26.10	26.85	27.10	26.71	27.56	27.41	.....	26.40	26.34	26.90	26.73	26.96
25	26.59	26.96	26.73	26.63	27.64	27.51	.....	26.22	26.37	27.01	26.67	26.90
26	26.64	27.02	26.58	26.74	27.62	27.53	.....	26.02	26.31	27.00	26.59	26.85
27	26.38	26.90	26.90	26.95	27.81	27.57	.....	26.12	26.26	27.02	26.38	26.90
28	26.27	26.70	26.96	27.15	27.73	27.55	.....	26.10	26.34	26.96	.....	26.98
29	26.35		27.09	27.26	27.57	27.61	.....	26.10	26.41	26.50	.....	26.98
30	26.45		27.10	27.40	27.45	27.53	.....	26.16	26.41	26.25	.....	27.03
31	26.59		26.97		27.78		26.31	26.18		26.40		27.08

561. City of St. Petersburg. NW¼NE¼ sec. 26, T. 30 S., R. 16 E. Drilled unused artesian well in Floridan aquifer, diameter 14 inches, reported depth 300 feet. Land-surface datum is 9.72 feet above msl. Highest water level 0.07 below lsd, Sept. 5, 1950; lowest 3.91 below lsd, May 30, 1953. Records available: 1947-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.75	2.72	2.71	3.06	3.25	3.29	2.72	2.17	2.10	2.24	2.68	3.20
2	2.76	2.59	2.89	2.76	3.21	3.36	2.65	2.21	2.07	2.29	2.66	2.90
3	2.85	2.67	3.03	2.56	3.40	3.45	2.62	2.23	2.05	2.35	2.62	2.82
4	2.91	2.90	3.00	2.71	3.51	3.38	2.57	2.29	2.07	2.32	2.71	2.74
5	2.83	2.95	3.02	2.80	3.47	3.21	2.53	2.33	2.06	2.30	2.85	2.67
6	2.76	2.49	3.02	2.76	3.43	3.10	2.50	2.35	2.04	2.31	2.80	2.52
7	2.76	2.30	2.97	2.69	3.48	3.16	2.42	2.30	1.98	2.33	2.76	2.48
8	2.81	2.45	3.28	2.76	3.49	3.20	2.40	2.21	1.95	2.33	2.77	2.46
9	2.71	2.85	3.43	2.90	3.46	3.21	2.42	2.20	2.00	2.44	2.70	2.55
10	2.61	2.81	3.28	2.88	3.56	3.29	2.41	2.20	1.93	2.61	2.22	2.95
11	2.55	2.53	3.20	2.77	3.63	3.11	2.38	2.15	1.95	2.62	2.37	3.00
12	2.75	3.13	3.22	2.70	3.65	2.88	2.32	2.11	2.00	2.51	2.61	3.03
13	2.78	3.63	3.24	2.62	3.65	2.94	2.41	2.11	2.05	2.38	2.64	3.06
14	3.08	3.39	3.23	2.60	3.62	3.08	2.49	2.16	2.10	2.30	2.61	3.01
15	2.83	3.11	3.25	2.67	3.53	3.13	2.46	2.19	2.10	2.39	2.52	2.88
16	2.52	3.00	3.23	2.71	3.51	3.07	2.38	2.25	2.07	2.40	2.40	2.93
17	2.44	2.88	3.31	2.75	3.47	2.87	2.30	2.24	2.03	2.09	2.35	2.97
16	2.43	2.83	3.32	2.87	3.39	2.69	2.26	2.31	2.04	2.10	2.50	2.90
19	2.38	2.87	3.29	2.87	3.31	2.52	2.27	2.36	2.01	2.47	2.45	2.85
20	2.95	2.81	3.28	2.80	3.20	2.59	2.30	2.33	1.98	2.75	2.66	2.96
21	2.90	2.75	3.17	2.77	3.11	2.67	2.27	2.32	2.02	2.89	2.77	2.97
22	2.52	2.67	3.03	2.73	3.08	2.72	2.22	2.28	2.08	2.91	2.72	2.90
23	2.32	2.70	3.32	2.72	3.14	2.74	2.22	2.20	2.12	2.90	2.66	2.92
24	2.26	2.80	3.30	2.60	3.18	2.80	2.19	2.14	2.14	2.80	2.74	2.97
25	2.84	2.92	3.02	2.50	3.18	2.65	2.14	2.04	2.17	2.76	2.72	2.97

561--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	2.94	3.01	2.79	2.55	3.21	2.84	2.21	1.95	2.19	2.80	2.68	2.93
27	2.69	2.96	3.17	2.73	3.25	2.85	2.33	2.04	2.23	2.80	2.69	2.93
28	2.53	2.87	3.33	2.86	3.27	2.89	2.31	2.05	2.21	2.75	2.47	3.05
29	2.55		3.40	3.03	3.23	2.90	2.26	2.11	2.20	2.46	2.82	3.12
30	2.70		3.38	3.15	3.11	2.84	2.16	2.16	2.20	2.36	3.21	3.03
31	2.79		3.24		3.15		2.15	2.14		2.61		3.00

Polk County

44. P. E. Williams. SW¼NE¼ sec. 28, T. 26 S., R. 27 E. Drilled unused artesian well in Floridan aquifer, diameter 10 inches, depth 180 feet. Land-surface datum is 113.14 feet above msl. Highest water level 0.28 below lsd, Oct. 9, 1953; lowest 4.15 below lsd, June 10, 1955. Records available: 1945-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	....	3.13	3.14	3.55	3.86	3.71	2.84	2.99	3.38	3.67	3.87
2	....	....	3.17	3.11	3.56	3.88	3.73	2.84	2.96	3.40	3.67	3.82
3	....	....	3.19	3.12	3.60	3.91	3.75	2.85	2.91	3.40	3.68	3.80
4	....	....	3.22	3.19	3.63	3.94	3.78	2.80	2.93	3.42	3.70	3.79
5	....	....	3.22	3.24	3.64	3.95	3.83	2.81	2.95	3.44	3.71	3.80
6	....	....	3.20	3.25	3.67	3.98	3.81	2.85	2.98	3.47	3.71	3.78
7	3.12	....	3.24	3.27	3.72	4.01	3.75	2.88	3.00	3.49	3.77	3.72
8	3.12	....	3.33	3.35	3.76	4.04	3.73	2.90	3.04	3.50	3.84	3.70
9	3.11	....	3.32	3.40	3.79	4.09	3.63	2.91	3.02	3.51	3.81	3.74
10	3.12	....	3.32	3.39	3.85	4.13	3.63	2.95	2.99	3.52	3.55	3.76
11	3.16	3.02	3.33	3.32	3.86	4.07	3.65	3.00	2.95	3.50	3.50	3.74
12	3.19	2.97	3.35	3.05	3.90	3.90	3.62	3.02	3.00	3.45	3.52	3.73
13	3.20	2.92	3.36	3.04	3.94	3.91	3.52	3.03	3.07	3.45	3.53	3.77
14	....	2.86	3.39	3.03	3.95	3.93	3.54	3.02	3.10	3.46	3.50	3.80
15	....	2.91	3.41	2.92	3.96	3.95	3.59	2.97	3.13	3.51	3.51	3.81
16	....	2.96	3.45	2.94	3.95	3.96	3.64	3.00	3.16	3.52	3.54	3.84
17	....	2.97	3.48	3.00	3.98	3.76	3.66	3.05	3.16	3.51	3.60	3.85
18	....	3.00	3.47	3.04	4.00	3.70	3.70	3.12	3.10	3.50	3.61	3.85
19	....	3.03	3.50	3.09	3.98	3.71	3.77	3.09	3.14	3.54	3.59	3.86
20	....	3.04	3.52	3.14	3.90	3.73	3.75	2.95	3.19	3.56	3.62	3.87
21	....	3.00	3.51	3.16	3.84	3.76	3.58	2.95	3.22	3.55	3.65	3.89
22	....	3.01	3.57	3.20	3.72	3.80	3.35	2.98	3.22	3.57	3.71	3.90
23	....	3.02	3.62	3.23	3.67	3.85	3.32	3.02	3.20	3.60	3.75	3.92
24	....	3.06	3.58	3.29	3.64	3.85	3.33	3.04	3.22	3.61	3.79	3.89
25	....	3.10	3.39	3.30	3.70	3.88	3.35	2.95	3.26	3.64	3.77	3.84
26	....	3.09	3.18	3.34	3.68	3.89	3.36	2.87	3.30	3.65	3.78	3.82
27	....	3.07	3.16	3.39	3.70	3.91	3.31	2.85	3.34	3.67	3.76	3.86
28	....	3.10	3.16	3.45	3.71	3.92	3.19	2.85	3.35	3.67	3.78	3.92
29	....		3.05	3.49	3.73	3.90	3.20	2.89	3.32	3.64	3.89	3.92
30	....		3.08	3.51	3.75	3.81	3.20	2.93	3.35	3.61	3.90	3.89
31	....		3.09		3.82		2.93	2.97		3.65		3.90

45. Claude Hardin. Sand Gulley. SW¼SW¼ sec. 36, T. 28 S., R. 23 E. Drilled unused artesian well in Floridan aquifer, diameter 18 to 12 inches, reported depth 768 feet, cased to 325. Highest water level 58.75 below lsd, Oct. 18, 1948; lowest 76.68 below lsd, May 14, 1955. Records available: 1948-55. Previously shown as R. 24 E.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	69.16	69.82	72.02	73.46	.....	.....	64.48	63.70	64.05	67.41	69.75
2	.....	69.24	69.88	71.89	73.56	.....	.....	64.40	63.61	64.10	67.61	69.81
3	.....	69.43	69.96	71.64	73.70	.....	.....	64.28	63.50	64.10	67.86	69.97
4	.....	69.60	70.10	71.58	73.89	.....	.....	.....	63.40	64.21	68.05	70.00
5	.....	69.64	70.28	71.59	74.20	.....	.....	.....	63.37	64.41	68.22	69.80
6	.....	69.50	70.38	71.65	74.61	.....	.....	.....	63.30	64.71	68.29	69.64
7	68.64	69.33	70.36	71.68	74.84	.....	.....	.....	63.24	65.01	68.27	69.72
8	68.87	69.25	70.51	71.78	74.92	.....	.....	.....	63.18	65.32	68.42	70.00
9	68.94	69.30	70.62	71.92	75.06	.....	.....	.....	63.17	65.49	68.60	70.32
10	68.86	69.35	70.82	71.88	75.33	.....	.....	.....	63.22	65.45	68.61	70.59
11	68.82	69.41	71.16	71.71	75.63	.....	.....	.....	63.13	65.42	68.92	70.48
12	68.92	69.65	71.42	71.69	76.00	.....	.....	.....	63.09	65.50	69.10	70.24
13	69.03	69.60	71.57	71.70	76.34	.....	.....	.....	63.24	65.54	68.96	70.16
14	69.25	69.32	71.61	71.74	76.48	.....	.....	.....	63.36	65.62	68.71	70.40
15	69.35	69.11	71.89	71.73	76.31	.....	.....	.....	63.40	65.83	68.63	70.67

45--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	69.30	69.10	72.19	71.72	75.98	.....	.....	.....	63.48	65.88	68.72	70.87
17	69.16	69.13	72.44	71.76	76.28	.....	.....	.....	63.52	65.82	68.94	71.10
18	68.99	69.21	72.64	71.84	76.45	.....	.....	.....	63.50	65.91	69.10	71.20
19	68.98	69.28	72.94	71.82	76.27	.....	.....	.....	63.45	66.17	69.20	71.13
20	69.16	69.34	73.11	71.86	.....	.....	.....	.....	63.51	66.45	69.28	71.14
21	69.15	69.41	73.23	71.98	.....	.....	.....	.....	63.56	66.73	69.18	71.27
22	69.12	69.42	73.46	72.08	.....	.....	.....	.....	63.66	66.98	69.20	71.42
23	69.06	69.54	73.79	72.20	.....	.....	.....	.....	63.71	67.03	69.41	71.62
24	68.88	69.67	73.75	72.31	.....	.....	.....	.....	63.78	66.91	69.70	71.75
25	69.05	69.83	73.26	72.30	.....	.....	.....	.....	63.75	66.95	69.60	71.50
26	69.14	69.95	73.01	72.28	.....	.....	.....	63.68	63.70	67.10	69.50	71.03
27	69.03	69.98	72.78	72.40	.....	.....	.....	63.65	63.70	67.37	69.35	70.80
28	69.02	69.91	72.36	72.68	.....	.....	.....	63.64	63.75	67.54	69.17	70.76
29	69.10		72.07	72.96	.....	.....	.....	63.63	63.82	67.54	69.38	70.85
30	69.15		72.00	73.26	.....	.....	64.76	63.70	63.91	67.40	69.64	71.00
31	69.14		71.95		.....		64.60	63.74		67.33		71.11

45-A. Claude Hardin. Sand Gulley. SW¼SW¼ sec. 36, T. 28 S., R. 23 E. Drilled observation water-table well in sand, diameter 6 inches, reported depth 26 feet, cased to 17. Highest water level 0.64 below lsd, Sept. 28, 1953; lowest 3.72 below lsd, May 27, 1949. Records available: 1948-55. Previously shown as R. 24 E.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.86	2.73	2.72	2.70	2.96	....	2.82	2.14	1.62	2.04	2.03	2.36
2	2.87	2.73	2.74	2.66	2.98	....	2.83	1.94	1.47	2.07	2.06	2.37
3	2.88	2.74	2.76	2.52	3.00	....	2.85	1.73	1.34	2.10	2.10	2.37
4	2.89	2.77	2.77	2.55	3.02	....	2.89	1.72	1.30	2.10	2.13	2.37
5	2.90	2.78	2.79	2.62	3.03	....	2.92	1.75	1.32	2.11	2.15	2.37
6	2.92	2.77	2.81	2.66	3.04	....	2.94	1.70	1.35	2.14	2.18	2.35
7	2.93	2.76	2.81	2.68	3.08	....	2.95	1.70	1.34	2.17	2.20	2.31
8	2.93	2.75	2.85	2.73	3.11	....	2.90	1.69	1.25	2.19	2.22	2.31
9	2.93	2.76	2.88	2.79	3.14	....	2.73	1.73	1.24	2.20	2.22	2.35
10	2.94	2.79	2.88	2.81	3.16	....	2.71	1.77	1.21	2.23	1.99	2.39
11	2.94	2.67	2.88	2.82	3.18	....	2.65	1.81	1.22	2.24	1.92	2.41
12	2.95	2.55	2.88	2.83	3.19	....	2.49	1.87	1.29	2.21	1.97	2.41
13	2.96	2.56	2.89	2.82	3.20	....	2.48	1.94	1.35	2.13	2.01	2.41
14	2.97	2.55	2.92	2.69	3.20	....	2.48	1.97	1.40	2.12	2.03	2.41
15	2.98	2.55	2.93	2.53	3.12	....	2.49	1.98	1.47	2.11	2.04	2.41
16	2.98	2.55	2.94	2.51	3.04	3.33	2.46	2.00	1.52	2.14	2.07	2.43
17	2.95	2.55	2.96	2.55	3.03	3.25	2.34	2.04	1.58	2.15	2.11	2.46
18	2.93	2.55	2.97	2.60	3.01	3.09	2.25	2.08	1.62	2.15	2.15	2.47
19	2.89	2.56	2.98	2.66	....	3.07	2.26	1.95	1.66	2.20	2.16	2.49
20	2.91	2.59	2.99	2.70	....	3.06	2.31	1.80	1.68	2.26	2.21	2.49
21	2.93	2.61	3.00	2.71	....	3.07	2.29	1.77	1.66	2.29	2.25	2.49
22	2.93	2.62	3.01	2.73	....	3.09	2.22	1.73	1.70	2.30	2.25	2.49
23	2.92	2.64	3.02	2.75	....	3.08	2.21	1.75	1.75	2.32	2.27	2.50
24	2.76	2.66	2.94	2.78	....	3.01	2.11	1.80	1.79	2.34	2.30	2.51
25	2.65	2.69	2.79	2.80	....	2.97	2.11	1.85	1.83	2.35	2.31	2.52
26	2.65	2.71	2.76	2.80	....	2.97	2.15	1.86	1.87	2.36	2.30	2.53
27	2.64	2.72	2.71	2.83	....	2.96	2.16	1.87	1.92	2.39	2.30	2.52
28	2.63	2.72	2.71	2.88	....	2.86	2.13	1.91	1.95	2.42	2.25	2.52
29	2.65		2.62	2.92	....	2.85	2.14	1.97	1.97	2.27	2.30	2.52
30	2.69		2.63	2.95	....	2.81	2.15	2.02	2.00	2.00	2.35	2.50
31	2.72		2.66		....		2.13	1.95		2.00		2.49

47. U. S. Geol. Survey. About 2 miles northwest of Davenport. SE¼NE¼ sec. 33, T. 26 S., R. 27 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 67 feet, cased to 60, gravel packed 57-67. Land-surface datum is 156.50 feet above msl. Highest water level 42.97 below lsd, Oct. 8, 1948; lowest 48.63 below lsd, June 14, 1949. Records available: 1948-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.00	48.18	48.23	48.40	48.15	48.37	48.53	48.33	47.44	47.54	48.01	48.37
2	48.00	48.18	48.25	48.38	48.15	48.38	48.54	48.29	47.42	47.55	48.02	48.38
3	48.01	48.18	48.25	48.37	48.15	48.40	48.55	48.26	47.40	47.56	48.04	48.40
4	48.01	48.18	48.25	48.37	48.16	48.40	48.56	48.25	47.38	47.59	48.06	48.40
5	48.01	48.18	48.25	48.34	48.17	48.42	48.56	48.23	47.35	47.59	48.07	48.42

47--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	48.02	48.18	48.26	48.33	48.17	48.43	48.56	48.20	47.35	47.60	48.08	48.45
7	48.04	48.18	48.26	48.32	48.19	48.43	48.56	48.13	47.35	47.63	48.10	48.47
8	48.05	48.19	48.26	48.31	48.20	48.43	48.57	48.10	47.34	47.65	48.12	48.49
9	48.05	48.20	48.28	48.31	48.20	48.45	48.57	48.07	47.34	47.66	48.13	48.50
10	48.05	48.22	48.28	48.31	48.20	48.45	48.57	48.05	47.33	47.68	48.14	48.50
11	48.06	48.22	48.30	48.31	48.20	48.45	48.57	48.00	47.33	47.71	48.16	48.50
12	48.07	48.22	48.30	48.31	48.22	48.45	48.57	47.98	47.33	47.72	48.17	48.50
13	48.07	48.22	48.32	48.31	48.23	48.46	48.57	47.95	47.33	47.71	48.18	48.51
14	48.09	48.23	48.32	48.32	48.23	48.49	48.56	47.92	47.32	47.74	48.20	48.51
15	48.10	48.23	48.32	48.32	48.23	48.51	48.55	47.89	47.32	47.76	48.22	48.52
16	48.11	48.22	48.35	48.32	48.25	48.52	48.54	47.86	47.32	47.78	48.22	48.52
17	48.12	48.22	48.35	48.32	48.25	48.52	48.53	47.84	47.32	47.79	48.23	48.52
18	48.12	48.22	48.35	48.27	48.26	48.53	48.52	47.80	47.33	47.80	48.24	48.53
19	48.13	48.22	48.35	48.27	48.26	48.53	48.52	47.78	47.34	47.82	48.25	48.53
20	48.13	48.22	48.35	48.25	48.27	48.53	48.50	47.75	47.36	47.83	48.26	48.54
21	48.14	48.21	48.36	48.23	48.28	48.53	48.50	e47.73	47.37	47.85	48.26	48.55
22	48.15	48.21	48.37	48.20	48.30	48.52	48.50	e47.70	47.39	47.87	48.27	48.55
23	48.15	48.21	48.37	48.20	48.30	48.52	48.50	e47.67	47.41	e47.88	48.29	48.55
24	48.16	48.21	48.38	48.17	48.30	48.52	48.49	e47.64	47.43	e47.90	48.30	48.56
25	48.18	48.21	48.41	48.15	48.33	48.52	48.47	e47.62	47.46	e47.91	48.31	48.57
26	48.18	48.21	48.42	48.15	48.35	48.52	48.41	e47.60	47.47	e47.93	48.31	48.58
27	48.18	48.21	48.43	48.14	48.36	48.53	48.40	47.53	47.48	47.95	48.32	48.59
28	48.18	48.22	48.44	48.15	48.36	48.53	48.40	47.52	47.50	47.95	48.33	48.60
29	48.18		48.44	48.15	48.37	48.54	48.40	47.50	47.52	47.95	48.35	48.60
30	48.18		48.43	48.15	48.37	48.53	48.35	47.47	47.53	47.97	48.37	48.60
31	48.18		48.43		48.37		48.35	47.45		47.99		48.61

e Estimated.

48. U. S. Geol. Survey. On Florida Highway 17, 2.7 miles south of Frostproof. NW¼SW¼ sec. 9, T. 32 S., R. 28 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 62 feet, cased to 59, gravel packed 52-62. Land-surface datum is 144 feet above msl. Highest water level 38.08 below lsd, Oct. 7, 1948; lowest 47.01 below lsd, Dec. 31, 1955. Records available: 1949-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	44.43	44.62	44.85	45.06	45.26	45.61	45.83	46.05	46.27	46.14	46.48	46.77
2	44.43	44.63	44.86	45.05	45.27	45.62	45.83	46.04	46.28	46.16	46.49	46.78
3	44.44	44.63	44.88	45.04	45.28	45.64	45.84	46.03	46.29	46.18	46.51	46.78
4	44.45	44.64	44.90	45.04	45.30	45.66	45.84	46.03	46.30	46.20	46.52	46.79
5	44.45	44.65	44.92	45.05	45.31	45.68	45.85	46.04	46.30	46.21	46.53	46.80
6	44.46	44.65	44.94	45.05	45.32	45.69	45.87	46.05	46.31	46.22	46.54	46.80
7	44.47	44.65	44.94	45.04	45.33	45.71	45.88	46.05	46.32	46.24	46.55	46.81
8	44.49	44.65	44.95	45.04	45.34	45.72	45.89	46.06	46.33	46.25	46.56	46.82
9	44.50	44.67	44.96	45.06	45.35	45.73	45.88	46.07	46.26	46.26	46.57	46.82
10	44.51	44.68	44.97	45.07	45.36	45.75	45.88	46.08	46.20	46.27	46.58	46.83
11	44.52	44.68	44.97	45.07	45.38	45.77	45.87	46.10	46.15	46.29	46.59	46.84
12	44.54	44.68	44.98	45.08	45.40	45.78	45.88	46.11	46.11	46.30	46.60	46.85
13	44.55	44.72	44.99	45.08	45.41	45.79	45.88	46.13	46.08	46.30	46.61	46.86
14	44.56	44.73	45.00	45.09	45.43	45.81	45.89	46.14	46.06	46.31	46.61	46.87
15	44.57	44.74	45.02	45.10	45.43	45.82	45.90	46.15	46.04	46.32	46.62	46.88
16	44.58	44.75	45.03	45.11	45.44	45.83	45.91	46.16	46.03	46.32	46.62	46.88
17	44.59	44.75	45.04	45.11	45.45	45.85	45.92	46.17	46.02	46.33	46.63	46.90
18	44.60	44.76	45.05	45.12	45.46	45.85	45.93	46.18	46.02	46.34	46.64	46.91
19	44.60	44.77	45.06	45.14	45.47	45.87	45.95	46.20	46.02	46.35	46.65	46.92
20	44.62	44.78	45.07	45.15	45.48	45.88	45.97	46.21	46.02	46.36	46.66	46.93
21	44.63	44.79	45.08	45.17	45.49	45.90	45.98	46.22	46.02	46.37	46.67	46.94
22	44.63	44.80	45.09	45.18	45.50	45.91	45.99	46.24	46.03	46.38	46.69	46.95
23	44.64	44.80	45.10	45.19	45.50	45.92	46.01	46.25	46.03	46.39	46.70	46.95
24	44.64	44.81	45.12	45.19	45.51	45.90	46.02	46.25	46.04	46.40	46.71	46.96
25	44.65	44.82	45.10	45.19	45.52	45.88	46.03	46.26	46.06	46.41	46.72	46.97
26	44.63	44.83	45.10	45.21	45.53	45.86	46.04	46.25	46.07	46.42	46.73	46.97
27	44.61	44.83	45.10	45.21	45.54	45.85	46.05	46.25	46.08	46.43	46.74	46.98
28	44.61	44.84	45.11	45.22	45.55	45.84	46.06	46.25	46.10	46.44	46.75	46.99
29	44.62		45.10	45.23	45.57	45.83	46.06	46.25	46.12	46.45	46.75	47.00
30	44.62		45.09	45.25	45.58	45.83	46.07	46.25	46.13	46.45	46.76	47.00
31	44.62		45.07		45.60		46.07	46.26		46.47		47.01

49. U. S. Geol. Survey. On Florida Highway 630, 0.2 mile southwest of intersection of Florida Highway 60. NE¼NE¼ sec. 9, T. 31 S., R. 30 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 17 feet, cased to 14, gravel packed 9-17. Land-surface datum is 105 feet above msl. Highest water level 0.31 above lsd, Nov. 25, 1953; lowest 5.54 below lsd, June 10-12, 1949. Records available: 1949-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.43	2.07	2.93	2.05	3.79	4.49	1.95	1.85	2.30	2.36	3.41	4.12
2	2.47	2.13	2.97	1.71	3.82	4.52	1.66	1.85	1.88	2.03	3.44	4.14
3	2.50	2.20	3.00	1.68	3.85	4.57	1.66	2.05	1.85	2.03	3.47	4.15
4	2.54	2.25	3.03	1.77	3.89	4.58	1.83	2.05	2.09	2.12	3.53	4.18
5	2.58	2.32	3.08	2.02	3.92	4.60	2.10	2.30	2.35	2.25	3.56	4.20
6	2.62	2.35	3.12	2.20	3.95	4.62	2.31	2.50	2.49	2.37	3.59	4.17
7	2.65	2.40	3.15	2.34	3.99	4.65	1.84	2.66	1.76	2.46	3.61	4.13
8	2.67	2.26	3.18	2.45	4.02	4.68	1.76	2.77	1.07	2.54	3.63	4.13
9	2.70	2.27	3.22	2.53	4.06	4.72	1.85	2.89	1.05	2.60	3.63	4.13
10	2.73	2.37	3.27	2.61	4.09	4.75	2.14	3.01	1.33	2.67	3.61	4.20
11	2.75	2.43	3.30	2.66	4.12	4.77	2.38	3.11	1.37	2.70	3.61	4.22
12	2.77	2.47	3.33	2.72	4.15	4.79	2.53	3.20	.88	2.55	3.65	4.23
13	2.80	2.53	3.35	2.77	4.19	4.80	2.63	3.30	1.30	2.50	3.68	4.24
14	2.84	2.57	3.40	2.83	4.22	4.82	2.70	2.53	1.47	2.50	3.73	4.25
15	2.88	2.60	3.42	2.87	4.25	4.85	2.78	2.50	1.63	2.55	3.75	4.26
16	2.90	2.63	3.45	2.92	4.27	4.87	2.89	2.56	1.71	2.67	3.77	4.27
17	2.65	2.47	3.48	2.98	4.31	4.89	2.84	2.72	1.82	2.72	3.80	4.31
18	2.64	2.46	3.52	3.05	4.33	4.90	2.82	2.00	1.90	2.82	3.82	4.32
19	2.65	2.48	3.55	3.12	4.35	4.91	2.95	1.53	1.82	2.87	3.84	4.34
20	2.68	2.53	3.59	3.18	4.37	4.92	3.00	1.53	1.62	2.92	3.87	4.36
21	2.75	2.61	3.61	3.24	4.32	4.93	3.00	1.64	1.20	2.97	3.90	4.37
22	2.80	2.66	3.63	3.29	4.10	4.95	3.09	1.84	1.30	3.02	3.92	4.39
23	2.87	2.70	3.65	3.35	4.08	4.96	3.15	2.08	1.52	3.07	3.96	4.40
24	1.51	2.74	2.88	3.40	4.10	4.85	3.17	1.41	1.71	3.11	3.97	4.41
25	1.51	2.77	2.48	3.45	4.17	4.19	3.15	1.41	1.90	3.15	3.99	4.43
26	1.54	2.81	2.44	3.53	4.25	3.92	3.20	1.51	2.00	3.19	4.00	4.45
27	1.58	2.84	2.44	3.59	4.33	3.86	3.06	1.64	2.09	3.23	4.01	4.46
28	1.62	2.90	1.85	3.63	4.40	3.78	2.91	1.83	2.17	3.28	4.03	4.50
29	1.73		1.72	3.68	4.42	3.76	2.80	2.00	2.23	3.32	4.05	4.50
30	1.84		1.72	3.74	4.43	3.41	2.77	2.14	2.29	3.33	4.09	4.50
31	1.98		1.88		4.46		2.03	2.20		3.38		4.50

50. U. S. Geol. Survey. On Florida Highway 60, 2.8 miles west of Kissimmee River bridge. NE¼NW¼ sec. 8, T. 31 S., R. 31 E. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 20 feet, cased to 12, gravel packed 9-20. Land-surface datum is 61 feet above msl. Highest water level 0.40 above lsd, Oct. 9, 1953; lowest 4.27 below lsd, Mar. 21, 1950. Records available: 1948-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.74	0.95	2.08	1.37	3.30	3.77	1.38	0.09	1.04	2.30	2.87	3.58
2	1.79	1.06	2.15	.57	3.33	3.82	1.01	.18	.76	2.09	2.90	3.60
3	1.85	1.17	2.19	.56	3.38	3.85	1.03	.15	.80	2.09	2.95	3.61
4	1.90	1.30	2.21	.95	3.43	3.87	1.38	.15	1.21	2.22	2.98	3.62
5	1.95	1.41	2.28	1.33	3.47	3.89	1.67	.19	1.53	1.84	3.02	3.63
6	1.99	1.49	2.33	1.62	3.50	3.92	1.50	.38	1.73	1.83	3.07	3.52
7	2.02	1.54	2.38	1.80	3.53	3.95	.53	.68	1.17	2.05	3.10	3.39
8	2.09	.70	2.42	1.92	3.56	3.98	.53	.63	.42	2.31	3.13	3.31
9	2.13	.85	2.50	2.03	3.61	4.01	.95	.67	.35	2.45	3.01	3.27
10	2.16	1.25	2.55	2.12	3.63	4.05	1.32	1.13	.49	2.17	2.92	3.27
11	2.10	1.24	2.58	2.15	3.66	4.07	1.58	1.40	.36	2.08	2.92	3.28
12	2.18	1.42	2.63	2.22	3.70	4.08	1.80	1.66	.28	1.45	2.98	3.30
13	2.25	1.73	2.66	2.27	3.73	4.08	1.09	1.24	.53	1.13	3.07	3.33
14	2.33	1.67	2.71	2.27	3.75	4.10	1.10	.18	.91	1.10	3.14	3.35
15	2.37	1.67	2.75	2.25	3.77	4.12	1.50	.17	1.30	1.15	3.19	3.37
16	2.38	1.79	2.80	2.34	3.60	4.14	1.49	.19	1.57	1.52	3.23	3.40
17	1.58	.77	2.83	2.45	3.37	4.12	1.49	.37	1.82	1.75	3.26	3.45
18	1.63	.82	2.88	2.52	3.33	4.11	1.66	.68	1.94	1.93	3.29	3.51
19	1.43	.97	2.92	2.58	3.33	4.10	2.02	.40	2.09	2.12	3.30	3.54
20	1.65	1.05	2.96	2.65	3.33	4.05	1.37	.39	2.17	2.27	3.33	3.58
21	1.80	1.35	3.00	2.71	3.32	3.93	1.38	.72	.75	2.35	3.38	3.61
22	1.87	1.51	3.05	2.76	3.26	3.90	1.72	.71	.75	2.43	3.40	3.64
23	1.97	1.62	3.10	2.82	3.24	3.88	2.03	.69	1.13	2.50	3.42	3.66
24	.22	1.75	1.88	2.88	3.24	3.88	2.05	.54	1.29	2.54	3.44	3.69
25	.21	1.83	1.51	2.93	3.28	3.82	2.16	.18	1.30	2.59	3.46	3.71

50--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	0.27	1.91	1.50	2.98	3.35	3.70	2.28	.18	1.30	2.63	3.48	3.73
27	.41	1.93	1.53	3.06	3.43	2.40	2.13	.38	1.72	2.68	3.50	3.73
28	.47	2.01	.75	3.13	3.52	2.17	2.11	.60	1.93	2.72	3.51	3.52
29	.55		.65	3.20	3.60	1.73	1.32	.88	2.08	2.75	3.53	3.45
30	.67		.85	3.25	3.67	1.71	1.32	.73	2.17	2.75	3.56	3.42
31	.83		1.13		3.72		.09	.70		2.82		3.42

51. Mrs. Flora P. Coley. 48 First St., Frostproof. Sec. 28, T. 31 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 490 feet, cased to 325. Highest water level 3.68 below lsd, Oct. 25, 1953; lowest 15.34 below lsd, June 10, 1955. Records available: 1949-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.03	6.77	7.50	7.63	8.26	12.65	7.50	5.91	5.67	5.38	7.40	8.78
2	5.84	6.71	7.71	7.49	8.20	12.75	7.42	5.89	5.61	5.39	7.62	8.86
3	6.04	7.33	7.73	7.30	8.90	12.85	7.32	5.87	5.57	5.39	8.14	9.10
4	6.60	7.50	7.81	7.21	9.60	12.78	7.20	5.88	5.54	5.40	8.50	8.64
5	6.80	7.45	7.84	7.34	9.81	13.24	7.14	5.89	5.51	5.41	8.50	8.79
6	6.78	7.31	7.60	7.85	9.95	12.40	7.01	5.85	5.49	5.49	8.26	8.88
7	6.88	7.38	6.79	8.64	10.18	e12.87	6.91	5.76	5.45	5.52	8.61	8.55
8	6.85	7.00	6.72	8.95	10.11	e14.17	6.82	5.77	5.43	5.51	8.89	8.55
9	6.00	6.80	6.66	9.01	9.89	14.58	6.77	5.75	5.45	5.53	8.49	8.50
10	6.39	7.37	6.60	8.07	11.12	14.83	6.66	5.75	5.41	5.56	7.96	8.25
11	6.98	7.45	6.85	7.73	11.57	14.25	6.65	5.76	5.38	5.71	8.27	8.00
12	7.13	7.66	6.90	8.18	11.70	11.62	6.65	5.80	5.39	5.72	8.37	8.28
13	7.04	7.39	6.95	8.68	12.70	11.24	6.64	5.82	5.42	5.60	7.89	8.27
14	7.27	7.12	7.13	8.65	13.50	10.86	6.57	5.81	5.37	5.76	7.78	8.70
15	7.30	7.42	7.31	8.57	13.48	10.53	6.48	5.74	5.29	5.92	7.97	8.74
16	7.19	7.47	7.50	8.47	e13.48	10.14	6.40	5.68	5.30	5.98	7.95	8.83
17	7.20	7.41	7.76	8.20	14.14	9.60	6.34	5.74	5.30	5.95	8.03	8.86
18	7.33	7.40	8.36	8.44	14.20	9.29	6.31	5.85	5.30	6.04	7.99	8.74
19	7.34	7.45	8.85	8.50	e14.08	9.08	6.33	5.86	5.27	6.13	7.70	8.58
20	7.28	7.48	8.87	8.60	13.50	8.96	6.30	5.83	5.28	6.20	7.82	8.98
21	7.39	6.73	9.27	8.62	13.18	8.75	6.24	5.78	5.32	6.31	7.87	9.13
22	7.36	7.29	10.11	8.78	12.38	8.59	6.23	5.77	5.31	6.34	7.99	9.18
23	7.28	7.57	10.43	8.57	10.50	8.50	6.20	5.74	5.30	6.20	8.10	9.30
24	7.20	7.65	9.81	7.85	11.15	8.32	6.17	5.69	5.30	6.11	8.45	9.11
25	6.86	7.77	9.13	8.17	12.03	8.18	6.16	5.68	5.31	6.13	8.44	8.43
26	7.40	7.73	9.15	8.63	12.13	8.04	6.15	5.67	5.34	6.20	8.50	8.29
27	7.37	7.38	8.47	8.77	12.20	7.97	6.16	5.64	5.38	6.30	8.20	8.80
28	7.30	6.82	7.82	8.90	12.27	7.90	6.10	5.61	5.35	6.44	7.85	9.27
29	7.36		7.54	8.93	12.13	7.82	5.99	5.60	5.31	6.72	8.40	9.54
30	7.47		7.76	8.79	10.51	7.66	5.90	5.65	5.34	6.70	8.58	9.57
31	7.21		7.67		11.50		5.90	5.68		7.02		9.31

e Estimated.

Putnam County

28. R. O. Puckett. Fruitland. SW¼NE¼ sec. 26, T. 12 S., R. 26 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, depth 159 feet. Land-surface datum is 25.8 feet above msl. Highest water level 4.9 below lsd, September 1943; lowest 9.00 below lsd, June 3, 1955. Records available: 1936-55. Previously shown as SE¼NW¼; depth 145 feet.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	7.65	Apr. 20	8.04	July 13	8.59	Oct. 5	7.97
Mar. 5	8.03	June 3	9.00	Aug. 24	8.45	Nov. 16	8.08

29. C. L. Conway. Palatka. NW¼SE¼ sec. 1, T. 10 S., R. 26 E. Drilled public-supply artesian well in Floridan aquifer, diameter 8 inches, reported depth 300 feet. Land-surface datum is 22.2 feet above msl. Highest water level 12.1 above lsd, Oct. 1, 1953; lowest 5.90 above lsd, Aug. 24, 1955. Records available: 1936-55.

Jan. 26	+8.10	Apr. 20	+6.82	July 13	+5.94	Oct. 5	+6.65
Mar. 5	+7.5	June 3	+6.66	Aug. 24	+5.90	Nov. 16	+6.65

St. Johns County

2. P. J. Manucy. Vilano Beach. SE¼SE¼ sec. 5, T. 7 S., R. 30 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, depth 198 feet, cased to 195. Land-surface datum is 6.09 feet above msl. Highest water level 32.0 above lsd, Aug. 16, 1949; lowest 20.7 above lsd, June 3, 1955. Records available: 1934, 1940-42, 1944-55. Previously shown as sec. 8.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 26	+24.7	Apr. 20	+22.1	July 13	+21.9	Oct. 5	+24.5
Mar. 5	+22.9	June 3	+20.7	Aug. 24	+20.8	Nov. 16	+21.8

3. Francis Usina. SW¼SW¼ sec. 29, T. 7 S., R. 30 E. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, reported depth 216 feet, cased to 104. Land-surface datum is 6.55 feet above msl. Highest water level 39.6 above lsd, June 22, 1934; lowest 25.2 above lsd, June 3, 1955. Records available: 1934, 1940-41, 1944-55.

Jan. 26	+29.3	Apr. 20	+26.7	July 13	+27.3	Oct. 5	+29.2
Mar. 5	+28.9	June 3	+25.2	Aug. 24	+26.9	Nov. 16	+28.7

4. St. Johns County. SW¼ sec. 6, T. 6 S., R. 28 E. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, reported depth 400 feet, cased to 150. Land-surface datum is 26.74 feet above msl. Highest water level 22.2 above lsd, Aug. 31, 1934; lowest 13.5 above lsd, July 13, 1955. Records available: 1934, 1940, 1944-46, 1949-55.

Jan. 26	+16.6	Apr. 20	+14.6	July 13	+13.5	Oct. 5	+14.2
Mar. 5	+15.2	June 3	+13.8	Aug. 24	+15.8	Nov. 16	+13.8

5. G. L. Oesterricker. Palm Valley. Sec. 54, T. 4 S., R. 29 E. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, reported depth 350 feet, cased to 180. Land-surface datum is 4.53 feet above msl. Highest water level 46.2 above lsd, Nov. 9, 1948; lowest 38.8 above lsd, July 3, 1955. Records available: 1934, 1940, 1944-55. Previously shown as sec. 28.

Jan. 26	+41.7	Apr. 20	+41.0	July 13	+38.8	Oct. 5	+40.5
Mar. 5	+42.6	June 3	+39.5	Aug. 24	+39.4	Nov. 16	+40.2

8. Ponce de Leon Raceway, Inc. NE¼NE¼ sec. 4, T. 5 S., R. 28 E. Drilled stock artesian well in Floridan aquifer, diameter 6 inches, reported depth 336 feet, cased to 240. Land-surface datum is 17.77 feet above msl. Highest water level 37.0 above lsd, Aug. 28, 1934; lowest 27.4 above lsd, Aug. 24, 1955. Records available: 1934, 1940-42, 1944, 1946-55.

Jan. 26	+30.5	Apr. 20	+28.8	July 13	+28.5	Oct. 5	+28.8
Mar. 5	+30.0	June 3	+27.9	Aug. 24	+27.4	Nov. 16	+27.5

9. Ponce de Leon Hotel. St. Augustine. T. 7 S., R. 30 E. Drilled unused artesian well in Floridan aquifer, diameter 13 inches, depth 1,400 feet, cased to 170. Highest water level 34.2 above lsd, June 2, 1947; lowest 23.8 above lsd, Aug. 24, 1955. Records available: 1930, 1940, 1946-55. Previously shown as sec. 9, T. 4 S., R. 29 E.

Jan. 26	+27.4	Apr. 20	+25.8	July 13	+24.6	Oct. 5	+25.1
Mar. 5	+26.6	June 3	+24.5	Aug. 24	+23.8	Nov. 16	+25.3

Santa Rosa County

8. P. L. Coleman. SE¼SE¼ sec. 6, T. 2 S., R. 26 W. Drilled domestic artesian well in Floridan aquifer, diameter 6 inches, depth 1,063 feet, cased to 716. Land-surface datum is 11.82 feet above msl. Highest water level 66.3 above lsd, Jan. 12, 1942; lowest 45.7 above lsd, Dec. 20, 1955. Records available: 1942, 1947-55.

Jan. 12	+51.9	Apr. 5	+50.6	June 29	+48.0	Nov. 8	+47.8
Feb. 22	+52.2	May 17	+50.0	Sept. 28	+46.4	Dec. 20	+45.7

102. U. S. Geol. Survey. Gulf Breeze. SE¼ sec. 4, T. 3 S., R. 29 W. Drilled observation water-table well in sand of Pleistocene age, diameter 6 inches, depth 41 feet, screen 33-41. Land-surface datum is 11.56 feet above msl. Highest water level 4.42 below lsd, Jan. 2, 1954; lowest 10.58 below lsd, Jan. 17, 1955. Records available: 1950-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.48	10.17	8.42	8.91	8.62	9.54	....	....	7.98	8.40	8.78	9.26
2	10.49	10.17	8.44	8.47	8.76	9.55	....	....	7.97	8.41	8.80	9.27
3	10.49	10.17	8.45	8.23	8.84	9.56	....	....	7.97	8.44	8.80	9.28
4	10.49	10.17	8.46	8.19	8.89	9.59	....	....	7.98	8.45	8.70	9.30
5	10.50	10.16	8.49	8.17	8.93	9.63	....	....	7.97	8.46	8.46	9.32
6	10.50	9.62	8.51	8.16	8.95	9.65	....	....	7.95	8.48	8.40	9.34
7	10.51	8.93	8.55	8.15	8.99	9.63	....	....	....	8.48	8.38	9.35
8	10.52	8.71	8.57	8.14	9.02	9.65	....	....	....	8.46	8.39	9.35
9	10.52	8.62	8.59	8.14	9.05	9.65	....	....	....	8.33	8.39	9.36
10	10.53	8.57	8.61	8.13	9.08	9.68	....	....	7.97	8.25	8.38	9.40

102--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	10.54	8.52	8.63	8.11	9.12	9.70	....	....	8.02	8.47	8.58	9.43
12	10.55	8.50	8.63	8.11	9.14	9.73	....	....	8.05	8.50	8.74	9.44
13	10.56	8.47	8.65	8.10	9.16	9.72	....	....	8.06	8.52	8.89	9.45
14	10.56	8.45	8.67	8.10	9.19	9.75	....	....	8.08	8.53	8.76	9.47
15	10.57	8.43	8.68	8.10	9.22	9.75	....	....	8.11	8.54	8.55	9.48
16	10.57	8.41	8.70	8.10	9.25	9.76	....	....	8.13	8.55	8.67	9.50
17	10.58	8.40	8.71	8.10	9.28	9.78	....	....	6.16	8.56	8.93	9.52
18	10.53	8.39	8.72	8.09	9.30	9.81	....	8.58	8.21	8.58	8.84	9.54
19	10.35	8.39	8.74	8.09	9.32	9.83	....	8.62	8.24	8.60	8.77	9.55
20	10.26	8.38	8.75	8.09	9.32	9.83	....	8.65	8.25	8.60	9.00	9.57
21	10.23	8.38	8.76	8.10	9.30	9.86	....	....	6.27	8.63	9.05	9.60
22	10.21	8.37	8.78	8.10	9.12	9.87	....	8.72	8.32	8.63	9.07	9.60
23	10.21	8.38	8.80	8.10	8.95	9.89	....	8.72	....	8.65	9.10	9.61
24	10.20	8.38	8.81	8.11	9.05	9.91	....	8.74	....	8.65	9.12	9.63
25	10.19	8.38	8.82	8.18	9.30	9.93	....	8.78	8.33	8.68	9.15	9.64
26	10.18	8.39	8.84	8.08	9.38	9.95	....	8.74	8.35	8.70	9.15	9.65
27	10.18	8.40	8.85	8.15	9.41	9.97	....	8.54	8.35	8.70	9.18	8.65
28	10.18	8.41	8.86	8.18	9.45	9.96	....	8.18	8.36	8.72	9.20	9.68
29	10.18		8.87	8.19	9.48	....	....	8.05	8.37	8.73	9.23	9.70
30	10.18		8.89	8.32	9.52	....	....	8.00	8.38	8.75	9.25	9.72
31	10.17		8.90		9.52		....	7.99		8.77		9.77

Sarasota County

5. H. E. Turner. SE¼NE¼ sec. 19, T. 36 S., R. 20 E. Drilled unused artesian well in Floridan aquifer, diameter 8 inches, reported depth 720 feet. Land-surface datum is 43.60 feet above msl. Highest water level 2.3 below lsd, Jnne 8, 1931; lowest 9.78 below lsd, May 22, 1955. Records available: 1931-32, 1941-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.60	7.22	7.65	8.42	....	9.59	8.75	7.15	6.07	6.08	7.40	8.52
2	6.66	....	7.72	8.28	....	9.57	8.73	6.99	6.00	6.10	7.46	8.49
3	6.74	....	7.77	8.13	....	9.58	8.71	6.71	5.93	6.12	7.55	8.48
4	6.76	....	7.84	8.12	....	9.58	8.67	6.80	6.11	6.15	7.60	8.50
5	6.75	....	7.92	8.10	....	9.53	8.63	6.82	6.16	6.16	7.65	8.50
6	6.79	....	7.95	8.04	....	9.50	8.57	6.75	6.10	6.19	7.66	8.43
7	6.85	....	7.95	7.95	8.72	9.49	8.51	6.79	6.05	6.23	7.70	8.39
8	6.93	....	8.08	7.93	8.80	9.46	8.44	6.70	6.06	6.24	7.75	8.39
9	6.98	....	8.14	7.97	8.91	9.47	8.34	6.69	6.08	6.27	7.74	8.45
10	7.00	7.36	8.14	7.92	9.01	9.50	8.25	6.68	5.81	6.32	7.67	8.58
11	7.05	7.32	8.15	7.85	9.07	9.52	8.17	6.63	5.74	6.34	7.80	8.57
12	7.12	7.52	8.17	7.80	9.13	9.47	8.16	6.61	5.97	6.30	7.92	8.52
13	7.15	7.58	8.22	7.77	9.16	9.53	8.19	6.62	6.04	6.24	7.97	8.51
14	7.26	7.51	8.28	7.77	9.22	9.53	8.14	6.66	6.05	6.23	7.95	6.54
15	7.26	7.42	8.32	7.73	9.27	9.48	8.08	6.63	6.06	6.32	7.91	8.50
16	7.21	7.42	8.37	7.69	9.33	9.40	8.02	6.50	5.97	6.35	7.90	8.50
17	7.22	7.40	8.43	7.67	9.36	9.32	7.96	6.43	5.99	6.32	7.95	8.55
18	7.21	7.33	8.46	7.68	9.43	9.30	7.90	6.53	5.98	6.36	7.99	8.55
19	7.24	7.32	8.50	7.67	9.52	9.27	7.83	6.57	5.98	6.50	7.98	8.56
20	7.38	7.35	8.56	7.65	9.59	9.23	7.78	6.59	5.97	6.64	8.05	8.58
21	7.38	7.36	8.57	7.62	9.64	9.16	7.73	6.55	6.00	6.69	8.11	8.59
22	7.32	7.34	8.61	7.57	9.70	9.10	7.69	6.57	6.02	6.71	8.10	....
23	7.27	7.38	8.70	7.57	9.69	9.07	7.61	6.52	6.00	6.76	8.12	....
24	7.28	7.46	8.70	7.60	9.67	9.04	7.52	6.51	5.99	6.79	8.17	....
25	7.44	7.53	8.64	7.64	9.64	8.98	7.50	6.53	6.01	6.81	8.20	....
26	7.40	7.61	8.62	7.66	9.63	8.93	7.47	6.55	6.05	6.90	8.16	....
27	7.25	7.65	8.71	7.72	9.65	8.90	7.44	6.48	6.08	6.95	8.20	....
28	7.16	7.64	8.66	....	9.67	8.87	7.38	6.42	6.07	7.01	8.21	....
29	7.15		8.57	....	9.64	8.82	7.27	6.39	6.06	7.02	8.35	....
30	7.23		8.58	....	9.59	8.79	7.19	6.34	6.06	7.12	8.50	....
31	7.26		8.49		9.58		7.16	6.31		7.29		....

9. Palmer Corp. SW¼SE¼ sec. 20, T. 36 S., R. 19 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 730 feet, cased to 101. Land-surface datum is 33.56 feet above msl. Highest water level 5.20 above lsd, Mar. 7, 1931; lowest 6.82 below lsd, Nov. 30, 1955. Records available: 1930-37, 1941-55.

9--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.67	2.19	3.05	3.87	....	4.04	3.06	1.23	0.20	2.32	4.57	5.30
2	2.33	2.40	3.17	3.84	....	4.03	2.94	1.20	.18	2.06	3.99	5.24
3	2.70	2.62	3.33	3.82	....	4.02	2.90	1.09	.16	1.79	4.35	4.72
4	2.54	2.85	3.51	3.80	....	4.18	2.91	1.20	.19	1.77	4.80	4.75
5	2.92	2.97	3.85	3.77	....	3.85	2.80	1.41	.55	1.78	4.38	5.13
6	2.54	3.00	3.86	3.74	....	4.21	2.86	1.39	.82	1.73	4.14	3.80
7	2.68	2.77	3.73	3.62	3.22	4.45	2.70	1.32	.76	1.83	4.43	3.07
8	2.80	2.57	3.64	3.58	3.22	4.55	2.39	1.20	.77	1.85	4.37	2.91
9	2.60	2.36	3.45	3.62	3.73	4.57	2.30	1.24	.79	2.60	4.01	3.03
10	2.61	2.41	3.73	3.56	4.02	4.65	2.19	1.23	.77	2.53	2.98	3.14
11	2.91	2.21	3.70	3.50	4.00	4.36	2.11	1.13	.75	1.90	2.74	3.42
12	2.93	2.30	3.56	3.50	3.81	3.76	2.12	1.34	.98	1.91	2.80	3.58
13	2.82	2.53	3.74	3.42	3.50	3.62	2.14	1.33	1.11	1.94	3.27	3.35
14	3.24	2.23	3.68	2.95	3.50	3.60	2.07	1.31	1.41	2.03	3.28	3.24
15	3.37	2.28	3.74	2.76	3.49	3.52	2.00	1.02	1.29	2.51	3.62	3.28
16	3.23	2.43	3.91	2.72	3.55	3.30	1.93	.96	1.13	3.00	3.74	3.60
17	2.44	2.40	3.94	2.73	3.75	3.13	1.84	1.05	1.37	2.23	4.50	4.22
18	2.15	2.13	4.04	2.82	3.69	3.04	1.80	1.00	1.72	2.25	4.52	4.21
19	2.14	2.14	4.09	2.90	3.85	2.99	1.78	1.00	1.22	2.75	4.57	4.32
20	2.26	2.12	4.30	2.90	4.03	2.93	1.73	.91	1.20	3.30	4.70	4.31
21	2.64	2.10	4.06	....	4.10	2.83	1.66	.85	1.30	3.31	4.92	4.74
22	2.76	2.25	4.08	....	3.98	2.96	1.61	.73	1.43	3.82	5.14	4.96
23	2.61	2.57	4.01	....	3.87	2.88	1.65	.66	1.57	3.99	5.16	5.04
24	2.23	2.83	3.85	....	3.92	2.92	1.60	.67	1.72	3.84	4.92	5.00
25	2.15	2.89	3.75	....	4.04	3.12	1.59	.49	2.16	4.00	4.50	4.09
26	2.08	2.92	e3.73	....	4.20	3.06	1.59	.40	2.10	4.60	4.87	4.50
27	1.92	2.80	e3.86	....	4.43	3.02	1.58	.33	2.32	4.41	4.80	4.46
28	1.85	2.81	e3.88	....	4.56	3.20	1.47	.38	1.99	4.00	4.89	4.11
29	1.87		3.82	....	4.31	3.13	1.40	.30	2.08	3.62	5.39	4.34
30	1.92		3.84	....	3.91	3.09	1.30	.28	1.79	4.42	5.96	4.60
31	2.00		3.84		4.03		1.28	.22		4.26		5.09

e Estimated.

Taylor County

35. Buckeye Cellulose Corp. NW¼ sec. 10, T. 5 S., R. 8 E. Drilled unused artesian well in Floridan aquifer, diameter 17 to 12 inches, depth 245 feet, cased to 189. Highest water level 0.69 above lsd, Apr. 2, 1948; lowest 25.42 below lsd, June 14, 1955. Records available: 1946-55. Previously shown as NE¼.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	19.54	20.76	21.95	.....	21.32	22.86	21.20	.....	21.22	20.78	19.00
2	.....	21.20	22.16	21.42	.....	20.44	23.30	17.99	.....	21.54	21.60	21.40
3	.....	20.50	22.34	21.40	18.23	21.70	22.88	19.00	.....	21.40	21.26	21.82
4	.....	19.94	21.60	20.98	22.30	22.12	23.04	20.48	.....	20.30	21.87	21.20
5	.....	19.62	21.52	21.45	22.31	21.90	22.09	20.38	.....	18.10	21.81	20.92
6	.....	19.82	22.27	22.60	22.19	18.96	22.60	20.71	.....	20.38	22.15	21.00
7	.....	21.88	21.70	19.82	23.25	22.00	23.22	20.60	.....	20.89	19.67	21.66
8	.....	21.23	19.54	23.07	23.12	21.50	21.89	19.50	.....	20.26	21.40	15.18
9	20.60	21.25	20.05	23.16	20.20	20.38	23.00	20.18	.....	20.20	22.12	20.96
10	20.94	19.82	21.67	23.02	22.87	24.31	23.50	19.24	.....	19.72	21.78	22.33
11	21.36	19.80	17.16	23.18	22.70	24.60	24.00	20.98	.....	18.77	20.18	22.00
12	21.32	20.66	21.99	20.10	22.37	20.99	22.80	17.60	.....	20.17	22.27	22.68
13	20.32	20.42	22.17	20.94	20.40	23.57	23.52	21.52	.....	21.06	21.38	22.39
14	20.02	17.70	22.57	22.05	21.80	16.80	23.64	21.78	.....	19.68	20.45	23.48
15	20.68	19.04	15.02	21.82	21.20	19.13	23.20	21.75	.....	19.85	22.60	21.82
16	20.62	21.02	17.40	22.35	20.97	23.00	15.30	20.51	.....	21.69	23.38	23.00
17	20.61	20.53	19.06	21.84	22.97	24.44	14.57	16.00	.....	22.05	22.95	22.49
18	18.02	19.79	21.14	22.25	23.27	21.80	14.12	18.70	.....	19.51	23.20	23.50
19	19.36	21.05	21.59	21.99	22.20	22.88	12.58	18.60	18.48	20.38	21.75	22.80
20	21.02	20.85	22.88	20.42	22.20	22.96	.....	16.85	19.45	22.25	22.46	22.80
21	21.12	16.83	22.00	19.01	22.19	23.32	.....	20.50	19.60	20.56	23.46	22.98
22	21.18	16.48	21.42	14.30	22.43	24.91	12.13	20.30	18.67	22.30	22.19	22.30
23	21.62	20.74	21.20	14.13	23.16	24.40	12.15	.....	19.46	21.16	21.70	23.48
24	21.81	22.39	20.63	.....	23.22	21.62	12.18	.....	17.40	20.80	23.40	11.82
25	20.61	21.95	19.00	.....	22.40	23.70	12.24	.....	18.30	18.30	23.58	12.17
26	20.79	22.22	17.42	.....	22.77	23.80	19.90	.....	19.66	22.40	21.87	11.25
27	21.33	22.32	19.52	.....	23.20	22.18	21.12	.....	16.80	22.17	23.31	11.24
28	21.42	22.32	22.02	.....	23.40	18.89	19.70	.....	20.00	22.00	20.25	13.84
29	21.06		21.08	.....	24.20	22.40	20.74	.....	17.70	21.80	22.56	22.45
30	18.86		20.96	.....	21.01	22.97	21.40	.....	18.83	21.43	20.82	23.00
31	17.42		22.12		18.42		21.48	.....		21.18		23.32

35--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	21.67	22.80	22.62	.....	24.87	24.40	21.80	.....	21.78	23.29	22.80
2	.....	22.02	22.86	22.66	.....	23.66	24.18	21.75	.....	22.02	23.33	22.69
3	.....	22.20	22.85	23.22	22.94	22.98	23.52	21.92	.....	22.20	22.45	22.87
4	.....	21.56	22.82	23.40	23.60	23.17	24.52	22.00	.....	22.08	22.71	23.00
5	.....	21.90	23.01	23.05	24.08	22.80	24.78	22.29	.....	21.76	23.20	22.66
6	.....	22.02	22.94	23.34	23.79	22.23	23.83	21.20	.....	21.61	23.24	23.69
7	.....	22.37	22.58	23.22	23.86	23.39	24.54	21.38	.....	22.32	23.04	23.10
8	.....	22.80	22.03	23.82	23.60	23.08	24.07	21.26	.....	22.44	23.20	24.60
9	21.62	23.05	22.36	23.74	23.58	24.47	24.54	21.48	.....	22.45	23.75	23.33
10	21.80	22.74	22.69	23.45	23.66	24.73	24.40	21.68	.....	22.14	23.42	22.92
11	21.70	21.42	22.88	23.52	24.22	25.00	24.45	21.80	.....	21.96	23.10	23.20
12	21.92	22.47	22.62	23.42	23.17	24.68	24.22	21.60	.....	22.41	23.58	24.04
13	21.80	22.71	22.95	22.69	23.78	25.29	24.20	22.19	.....	22.77	23.78	24.30
14	20.96	21.99	23.01	23.22	22.80	25.42	24.13	22.27	.....	22.58	22.95	24.04
15	21.24	22.22	23.80	23.10	22.98	23.96	24.20	22.14	.....	22.36	23.78	24.10
16	21.13	21.92	21.62	23.22	23.68	24.61	23.24	22.04	.....	22.69	23.64	23.82
17	21.50	21.54	21.97	23.74	24.20	24.90	15.29	20.95	.....	23.09	23.85	23.78
18	21.53	21.42	22.90	23.62	23.68	25.18	14.57	21.38	.....	23.00	24.20	24.31
19	21.34	21.48	23.39	23.64	23.60	25.00	14.11	21.53	20.64	22.97	24.20	24.48
20	21.76	21.40	23.12	23.53	23.97	25.03	.....	21.06	20.33	23.70	23.80	24.41
21	21.57	21.43	23.28	22.22	23.82	25.20	.....	21.32	20.77	23.52	23.99	23.43
22	21.89	20.82	23.05	20.04	23.84	25.13	12.22	20.86	20.80	23.00	24.12	24.30
23	22.22	22.78	22.62	.....	23.60	25.16	12.32	.....	20.80	23.20	24.18	25.12
24	22.24	22.95	21.85	.....	23.80	24.80	12.25	.....	21.00	23.42	24.30	25.14
25	21.99	22.68	21.14	.....	23.97	24.68	20.43	.....	20.34	23.45	24.22	12.68
26	21.98	22.62	22.18	.....	24.72	24.92	21.14	.....	20.63	23.10	24.20	14.67
27	21.82	22.62	22.62	.....	24.31	24.36	21.48	.....	20.60	24.14	24.08	21.00
28	22.30	22.70	22.82	.....	24.58	24.80	21.35	.....	21.09	23.42	23.66	23.42
29	22.25		22.48	.....	25.13	25.30	21.80	.....	21.20	23.34	24.25	23.38
30	21.84		22.49	.....	24.97	24.90	22.00	.....	21.58	23.30	24.40	23.64
31	21.51		22.84		24.55		21.87	.....		23.24		23.80

36. Buckeye Cellulose Corp. NW¼NE¼ sec. 9, T. 5 S., R. 8 E. Drilled unused water-table well in sand of Pleistocene age, diameter 6 inches, depth 35 feet. Highest water level 2.65 below lsd, Apr. 2, 1948; lowest 22.53 below lsd, June 26, 1955. Records available: 1947-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	20.50	21.00	21.19	21.42	22.24	22.33	19.78	20.60	19.60	20.89	21.52
2	.....	20.64	21.02	21.20	21.50	22.20	22.29	19.79	20.60	19.77	20.86	21.47
3	.....	20.78	21.06	21.22	21.39	22.11	22.18	19.78	20.60	19.90	20.82	21.44
4	.....	20.75	21.07	21.27	21.49	22.08	22.06	19.91	20.61	20.00	20.80	21.45
5	.....	20.76	21.07	21.29	21.62	22.08	22.03	20.01	20.49	19.96	20.79	21.41
6	.....	20.77	21.11	21.32	21.68	21.91	21.93	20.05	20.40	20.01	20.84	21.37
7	.....	20.86	21.11	21.35	21.75	21.89	21.81	20.08	20.31	20.11	20.81	21.41
8	.....	20.95	21.04	21.40	21.79	21.90	21.67	20.09	20.03	20.21	20.74	21.47
9	.....	21.01	20.95	21.45	21.76	21.95	21.44	20.17	19.95	20.22	20.80	21.50
10	.....	20.95	21.01	21.48	21.80	22.12	21.37	20.15	19.98	20.27	20.81	21.51
11	.....	20.77	21.09	21.50	21.89	22.26	21.28	20.23	19.92	20.20	20.81	21.54
12	.....	20.74	21.10	21.46	21.90	22.30	21.18	20.25	19.54	20.25	20.88	21.59
13	.....	20.80	21.11	21.38	21.81	22.34	21.09	20.34	19.46	20.40	20.97	21.67
14	20.27	20.78	21.16	21.46	21.78	22.31	21.01	20.43	19.60	20.43	20.91	21.74
15	20.33	20.67	20.95	21.47	21.82	21.99	20.95	20.49	19.61	20.42	20.99	21.77
16	20.36	20.75	20.78	21.50	21.81	22.04	20.50	20.51	19.56	20.53	21.08	21.78
17	20.42	20.73	20.73	21.55	21.92	22.21	19.90	20.41	19.50	20.56	21.15	21.84
18	20.43	20.65	20.82	21.58	21.98	22.29	19.48	20.34	19.46	20.53	21.20	21.90
19	20.47	20.64	20.99	21.62	22.00	22.30	19.10	20.40	19.39	20.60	21.26	21.97
20	20.54	20.66	21.09	21.58	22.00	22.34	18.78	20.31	19.40	20.70	21.23	22.01
21	20.59	20.63	21.17	21.29	22.04	22.40	18.53	20.40	19.43	20.78	21.29	22.01
22	20.64	20.46	21.19	20.65	22.05	22.47	.....	20.42	19.44	20.83	21.34	22.00
23	20.70	20.50	21.17	20.30	22.09	22.49	.....	20.44	19.43	20.89	21.39	22.07
24	20.77	20.70	21.10	20.42	22.10	22.49	.....	20.43	19.47	20.92	21.44	22.02
25	20.78	20.80	21.00	20.60	22.11	22.48	.....	20.30	19.36	21.02	21.49	22.10
26	20.77	20.87	20.88	20.84	22.17	22.51	19.13	20.37	19.43	21.08	21.51	22.10
27	20.80	20.93	20.90	21.02	22.22	22.45	19.28	20.48	19.37	21.11	21.54	22.15
28	20.85	20.97	20.99	21.18	22.22	22.40	19.34	20.52	19.44	21.19	21.50	22.15
29	20.88		21.06	21.24	22.28	22.35	19.44	20.57	19.51	21.13	21.48	22.15
30	20.83		21.10	21.34	22.31	22.38	19.59	20.55	19.40	21.06	21.58	22.20
31	20.52		21.15		22.19		19.70	20.50		20.97		22.26

Volusia County

24. City of New Smyrna. Sec. 26, T. 17 S., R. 33 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 190 feet, cased to 78. Land-surface datum is 17.70 feet above msl. Highest water level 3.15 below lsd, Oct. 29, 1949; lowest 18.2 below lsd, July 20, 1955. Records available: 1948-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	...	6.1	9.7	....	9.8	10.2	7.9	....	9.7	7.3	6.1	6.6
2	...	6.4	9.0	....	10.0	10.3	8.6	....	10.6	6.4	6.0	6.5
3	...	7.7	9.0	....	10.7	9.8	7.9	....	9.8	6.6	6.6	7.1
4	...	6.8	8.9	....	11.0	10.6	9.6	....	9.8	5.8	6.2	7.2
5	...	6.3	9.8	....	10.5	10.6	9.9	....	9.8	7.0	6.0	6.7
6	...	6.3	9.0	....	11.0	10.6	10.0	....	10.7	6.8	7.3	7.7
7	...	6.4	9.0	....	10.5	11.2	8.8	....	10.0	6.9	6.1	6.9
8	...	6.4	...	....	10.4	11.1	7.6	....	9.8	6.4	8.5	6.4
9	...	6.4	...	....	11.3	10.9	8.4	....	8.4	5.9	7.4	7.1
10	...	7.1	...	....	11.6	11.7	7.6	....	7.9	5.6	5.7	6.9
11	...	6.4	...	....	11.0	11.4	9.0	....	7.9	5.8	6.0	6.9
12	...	6.2	...	....	11.8	9.4	9.6	....	9.1	6.1	5.8	7.6
13	...	6.4	...	....	11.3	10.2	10.3	....	9.4	5.5	7.0	6.4
14	...	6.3	...	....	11.4	10.8	....	....	9.4	6.5	6.0	7.2
15	...	6.4	...	....	10.7	10.9	....	....	9.5	6.0	7.1	6.9
16	...	6.4	...	....	10.6	10.5	....	....	8.5	6.6	6.2	6.2
17	...	6.6	...	....	10.3	10.4	....	....	8.7	5.7	6.1	6.2
18	...	6.5	...	....	11.2	9.1	....	....	8.4	6.1	6.1	7.7
19	...	8.7	...	....	10.8	8.1	....	....	8.5	5.3	7.3	7.5
20	6.8	6.4	...	....	10.4	8.3	....	....	9.6	5.3	6.2	6.6
21	6.8	6.3	...	....	10.4	8.1	....	....	8.0	5.6	6.2	7.5
22	6.9	7.2	...	9.9	8.0	11.0	....	....	9.2	5.9	6.4	6.8
23	6.9	6.7	...	6.9	8.0	10.4	....	....	9.2	6.2	6.4	6.7
24	7.0	8.7	...	9.5	7.9	8.0	....	....	9.2	5.7	6.5	6.6
25	7.0	7.2	...	8.8	10.0	8.0	....	....	6.7	6.0	6.4	6.6
26	7.0	6.7	...	10.9	10.0	9.0	....	8.4	6.3	5.8	7.5	6.7
27	6.2	8.3	...	10.5	10.8	9.3	....	7.7	7.3	7.1	6.2	6.6
28	6.1	7.7	...	10.0	10.4	9.0	....	8.0	7.1	6.0	6.9	6.8
29	6.0		...	10.9	10.2	8.8	....	10.0	7.1	6.9	7.4	6.4
30	7.2		...	10.1	10.1	7.8	....	10.5	7.5	5.8	7.4	7.4
31	8.2		...		7.8		....	9.9		6.0		6.5

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	9.6	14.3	....	15.7	16.4	14.0	....	15.8	13.3	9.8	13.2
2	....	12.8	14.8	....	15.9	16.2	13.8	....	16.0	12.8	11.8	13.4
3	....	10.0	11.3	....	15.7	16.7	14.0	....	15.2	12.3	12.4	13.4
4	....	11.8	15.0	....	16.3	16.4	15.4	....	14.6	12.6	12.4	13.3
5	....	12.9	14.9	....	16.4	16.4	16.0	....	16.2	12.6	12.2	13.4
6	....	10.0	13.8	....	16.5	16.7	16.1	....	15.8	12.8	12.9	13.2
7	....	9.0	11.3	....	16.6	17.8	15.3	....	13.0	12.7	12.9	13.0
8	....	9.8	....	....	16.5	16.9	14.7	....	14.0	12.5	13.2	12.9
9	....	13.0	....	....	16.6	17.1	13.8	....	14.0	12.2	13.2	12.8
10	....	12.8	....	....	16.9	17.1	14.7	....	13.6	12.0	12.5	13.2
11	....	11.0	....	....	16.9	16.5	13.7	....	13.6	12.2	12.6	13.0
12	....	13.0	....	....	17.2	14.5	15.4	....	13.3	12.3	12.5	13.2
13	....	12.9	....	....	17.2	16.1	15.9	....	12.0	12.1	12.8	12.7
14	....	9.7	....	....	17.1	16.7	16.9	....	15.6	12.2	12.8	13.2
15	....	9.6	....	....	16.9	16.9	....	....	15.4	12.3	12.5	13.0
16	....	9.5	....	....	16.3	14.5	....	....	15.2	12.3	12.5	12.8
17	....	9.7	....	....	15.9	14.7	....	....	13.9	12.1	12.2	13.2
18	....	9.8	....	....	16.7	14.3	....	....	13.6	11.3	12.7	13.3
19	....	13.1	....	....	16.6	15.3	....	....	13.4	11.3	12.9	13.2
20	12.8	12.8	....	....	16.4	14.1	18.2	....	14.5	12.0	13.0	10.2
21	12.0	8.8	....	15.5	14.8	14.5	....	....	13.5	12.0	13.0	13.4
22	8.4	9.8	....	15.5	14.4	16.4	....	....	14.6	12.6	13.1	13.4
23	12.0	9.7	....	15.2	10.9	14.8	....	....	15.3	12.7	12.8	15.2
24	12.5	13.3	....	15.7	12.1	15.8	....	....	13.9	12.5	9.8	13.6
25	12.7	10.3	....	15.0	12.8	14.3	....	....	13.4	9.1	10.8	9.8
26	12.9	9.3	....	16.1	17.1	14.2	....	....	12.6	12.7	12.9	13.4
27	12.9	13.3	....	15.9	16.4	14.4	....	15.0	12.9	12.8	12.8	13.4
28	12.0	13.2	....	15.9	16.2	14.2	....	15.0	12.9	11.9	12.9	13.2
29	9.0		....	16.3	16.1	14.2	....	15.6	12.8	12.7	12.9	13.2
30	12.6		....	16.1	13.0	14.0	....	15.8	13.4	12.7	13.1	13.2
31	8.8		....		12.6		....	15.7		9.5		13.2

25. City of Daytona Beach. Fairview Ave. and Beach St. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 225 feet, cased to 86. Land-surface datum is 7.71 feet above msl. Highest water level 3.37 above lsd, Oct. 9, 1953; lowest 6.12 below lsd, July 28, 1955. Records available: 1948-55.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+1.50	+0.55	+0.75	+0.95	-0.53	-1.07	....	-1.30	-1.21	+0.75	+1.19	+1.10
2	1.70	.85	.50	.93	.24	1.20	....	1.03	-1.27	1.00	1.05	1.10
3	1.67	.64	.45	1.18	.31	1.40	....	1.23	-.72	1.09	.85	.99
4	1.45	.97	.54	1.11	.73	2.00	....	1.63	+.11	1.01	.87	1.15
5	1.49	1.20	.40	.61	1.27	....	....	2.05	+.10	1.19	1.10	1.00
6	1.60	.89	.65	.58	1.86	....	....	2.44	-.44	1.02	1.18	1.06
7	1.62	1.25	.69	.37	1.92	....	....	2.05	-.92	1.02	1.11	1.53
8	1.59	1.25	.79	.19	1.51	....	....	1.53	-.48	1.03	.75	1.62
9	1.62	1.36	.61	.04	1.51	....	....	....	+.17	1.36	.78	1.35
10	1.64	1.29	.39	.17	2.41	....	....	....	.45	1.34	1.20	1.02
11	1.48	.87	.24	.39	2.59	....	....	....	.74	1.20	1.51	1.27
12	1.48	.12	.20	.61	2.48	....	....	....	.77	1.34	1.58	1.25
13	1.20	-1.05	.20	.83	2.78	....	....	....	.39	1.67	1.61	.95
14	.90	+.70	.21	1.04	2.41	....	-0.41	....	+.30	1.59	1.58	.90
15	1.24	1.02	+.10	1.17	1.50	....	.57	....	-.20	1.80	1.38	.76
16	1.58	.97	-.13	1.25	-.10	....	.48	....	-.35	1.92	1.35	.83
17	1.85	1.27	.40	1.47	+.40	....	.57	....	+.05	1.95	1.03	1.11
18	1.98	1.17	.38	1.18	+.54	....	1.05	....	.85	2.03	.98	1.20
19	1.89	1.31	.47	.75	+.36	....	1.91	....	.90	1.95	1.21	.93
20	1.58	1.60	.41	.34	-.17	....	2.31	....	.43	1.87	.60	.80
21	1.63	1.37	.30	.27	-.03	....	3.70	....	.15	1.59	.91	.67
22	1.93	1.23	-.30	.11	+.59	....	4.30	....	.06	1.65	.76	.85
23	1.58	1.21	+.17	.11	+.49	....	4.17	....	.19	1.76	.57	.87
24	1.87	1.03	.40	+.26	-.02	....	4.09	....	.20	1.48	.65	.95
25	1.44	1.18	.89	-.28	.40	....	3.88	....	.71	1.12	.67	1.08
26	.94	1.30	1.06	.61	.88	....	4.19	-.42	.64	1.20	.96	1.20
27	1.49	1.16	1.20	.70	1.65	....	5.72	-.04	.42	1.10	1.37	1.36
28	1.56	1.00	1.15	.84	1.98	....	5.84	+.17	.35	1.09	1.33	1.38
29	1.50		.84	1.05	1.78	....	3.90	.00	.74	1.14	1.22	1.43
30	.60		.48	1.10	1.54	....	3.19	-.60	.77	1.46	.96	1.31
31	.44		1.05		1.21		2.41	1.11		1.50		1.14

27. City of Daytona Beach. Orange Ave. and South Caroline St. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 219 feet. Highest water level 4.50 above lsd, Dec. 26, 1953; lowest 4.20 below lsd, July 28, 1955. Records available: 1948-55.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+2.13	+1.60	+0.75	+1.80	-0.43	....	+0.80	-0.24	-0.51	+2.20	+2.02	+1.88
2	2.40	1.65	.57	1.73	.17	-0.75	.82	.33	-.70	2.20	2.02	1.89
3	2.30	.41	.51	2.06	.05	1.10	.71	.52	-.15	2.35	.93	1.46
4	.99	1.44	.56	1.99	.11	1.47	.70	.70	+.40	2.34	.78	1.88
5	1.26	1.66	.44	.58	.90	1.50	+.47	.96	+.40	2.39	1.96	1.98
6	1.50	1.02	.69	1.64	1.27	1.52	-.01	1.29	+.11	2.39	1.96	1.80
7	1.60	2.10	.60	+.54	1.46	1.74	-.26	1.40	-.04	2.35	1.95	2.23
8	2.25	2.09	1.59	-.10	1.25	2.18	+.13	1.19	+.30	2.23	.84	2.23
9	2.31	2.16	1.68	-.10	.73	2.30	.35	.27	.76	2.35	1.20	2.24
10	2.40	2.04	.36	+.10	1.49	2.79	.87	.31	.89	2.50	1.62	2.02
11	2.09	1.87	.26	.29	1.21	1.17	.88	.83	1.73	1.59	2.11	1.95
12	1.84	2.06	.19	1.57	1.58	.69	.81	1.47	1.98	1.60	2.00	2.20
13	1.88	.79	.48	1.61	1.49	.28	.71	2.07	1.85	1.54	1.28	2.01
14	2.06	1.60	+.18	1.80	1.33	1.16	.53	-.33	1.60	2.21	2.00	1.98
15	2.07	2.08	-.28	2.00	-.35	1.49	.27	+.37	.10	e2.61	1.00	1.87
16	2.22	1.90	.37	1.95	+.10	1.10	+.11	+.24	1.28	e2.74	.70	1.79
17	2.33	1.82	.45	2.09	.43	.32	-.20	+.21	1.68	e2.80	1.46	1.97
18	2.40	1.10	.52	1.83	.61	-.09	.31	-.50	1.99	e2.86	1.87	1.97
19	e2.50	1.08	.62	1.77	.53	+.45	1.15	1.64	2.17	e2.70	2.00	1.95
20	2.30	2.08	.79	1.40	.14	+1.00	1.56	1.00	2.03	e2.55	2.04	1.70
21	2.26	1.11	.18	.47	.19	-.18	1.83	-.14	1.85	e2.53	1.93	.69
22	e2.50	1.83	-.39	.38	.50	.05	2.31	+.11	1.79	e2.45	1.73	1.88
23	2.27	.99	+.91	.28	.77	.90	1.46	-.94	1.75	e2.45	1.78	1.88
24	e2.60	.93	.70	.37	.50	.84	1.93	-.70	1.81	e2.40	1.83	1.78
25	2.36	.89	1.59	.30	+.28	-.10	1.25	-.24	2.01	1.90	1.89	1.78

27--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	+2.10	+1.98	+1.77	+0.08	-0.17	+0.87	-1.80	+0.36	+2.10	+2.21	+1.77	+1.95
27	2.15	1.03	1.82	-.05	.93	.55	2.26	.57	1.99	2.08	2.26	1.85
28	2.40	.99	1.86	.23	1.12	.70	2.32	.60	1.78	2.15	2.20	2.03
29	2.13		1.92	.84	1.22	.68	2.30	+.70	2.14	2.00	1.95	1.98
30	1.99		1.65	.65	.93	.80	1.93	-.03	2.21	2.24	2.04	1.94
31	1.81		1.74		....		.92	-.30		2.36		2.00

e Estimated.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	+0.60	-0.33	0.00	0.00	-1.77	....	+0.10	-0.92	-1.70	+0.50	+0.80	+0.49
2	.94	.30	-.20	+.02	.94	-1.41	+.10	.83	1.10	.70	.77	.51
3	.88	.38	.16	+.20	1.51	1.86	+.04	1.05	.70	.61	.42	.60
4	.78	.30	.30	+.03	2.09	1.91	-.08	1.65	.41	.72	.47	+.66
5	.77	.10	.24	-.20	2.35	1.81	.70	1.80	.60	.77	.69	.00
6	.90	-.05	.17	.19	2.55	2.20	.93	2.70	.55	.70	.82	+.56
7	.90	.00	.09	.29	2.68	3.10	1.03	2.26	.80	.70	+.59	.94
8	.91	+.01	.05	.53	2.37	e3.21	.60	1.68	-.40	.91	-.07	.95
9	.91	+.15	.11	.63	2.59	e3.42	.30	1.22	+.10	.95	-.10	.83
10	.92	-.16	.31	.58	2.56	e3.50	-.17	1.50	-.45	1.18	+.50	.11
11	.79	.10	.46	.47	2.13	e3.18	+.11	2.37	+.04	1.21	1.02	.59
12	+.73	.86	.42	.30	2.18	1.17	+.06	3.14	+.28	1.10	.99	+.10
13	-.10	1.04	.40	-.07	2.63	1.97	-.06	2.80	+.11	1.41	.90	-.03
14	-.21	.08	.59	+.04	2.52	2.38	.48	2.07	-.33	1.21	.73	-.02
15	+.75	-.18	.73	.21	2.10	2.38	.67	1.17	.28	1.24	.59	-.05
16	.78	+.30	.90	.21	.52	1.87	.78	1.03	.27	1.28	.39	+.46
17	.97	.60	.97	.29	.39	1.41	.72	1.29	-.10	1.32	.43	.64
18	1.00	.35	.98	+.10	.20	.91	1.39	3.03	+.54	1.30	.72	.71
19	+1.00	.59	1.47	-.07	.90	.49	1.90	2.95	.54	1.20	+.84	.57
20	-.07	+.77	1.19	.20	.60	.36	2.20	2.20	.31	1.10	-.20	.60
21	+.70	-.07	1.24	.30	.45	1.22	e3.85	1.00	.20	1.05	+.60	.40
22	.98	+.40	.94	.37	.05	1.00	e3.75	2.30	.14	1.10	.26	.56
23	.54	.45	.73	.43	.76	1.39	3.17	2.00	.06	.98	.49	.50
24	+.33	.43	.47	.33	.91	1.51	3.14	.94	.14	.86	.68	.50
25	-.02	.48	-.11	1.31	.99	1.15	3.14	.70	.58	.72	.61	.56
26	-.09	.55	.00	1.52	1.70	.20	3.16	.40	.30	.78	.80	.63
27	+.92	.57	+.11	1.60	2.10	e.42	e4.00	.20	.19	.70	.98	.65
28	+.25	.19	+.10	1.71	2.20	-.10	e4.20	.06	.29	.70	.84	.78
29	+.09		-.81	2.03	1.78	+.10	e3.30	.30	.51	.83	+.74	.77
30	-.36		-.28	2.22	1.63	+.19	2.40	1.17	.48	.92	-.08	.78
31	-.36		-.08		....		2.20	1.39		.84		.80

e Estimated.

29. A. L. McKay. Barberville. NE¼ sec. 20, T. 15 S., R. 29 E. Drilled artesian well in Floridan aquifer, diameter 6 inches, depth 107 feet. Land-surface datum is 40.5 feet above msl. Highest water level 9.47 below lsd, July 27, 1951; lowest 17.72 below lsd, June 3, 1955. Records available: 1936-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	16.35	June 3	17.72	Aug. 26	17.45	Oct. 18	16.68
Mar. 5	15.11	July 5	17.59	Sept. 21	16.88	Nov. 17	16.90
Apr. 7	17.02	15	17.42	Oct. 6	16.84	20	17.03
May 12	17.65						

30. Herbert Cowart. NW¼NW¼ sec. 16, T. 14 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, reported depth 180 feet. Land-surface datum is 14.9 feet above msl. Highest water level 12.3 above lsd, December 1941, Oct. 2, 1953; lowest 6.7 above lsd, May 1948. Records available: 1936-55.

Jan. 13	+10.3	May 12	+9.9	July 13	+9.0	Oct. 18	+10.2
Mar. 5	+10.4	June 3	+9.5	Aug. 24	+9.5	Nov. 20	+10.2
Apr. 7	+9.9	July 5	+9.9	Sept. 21	+10.2		

31. Florida State Road Dept. Alamana. SE¼NW¼ sec. 11, T. 18 S., R. 32 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, depth 113 feet. Land-surface datum is 35.9 feet above msl. Highest water level 3.80 below lsd, September 1945; lowest 8.07 below lsd, Aug. 8, 1950. Records available: 1936-55.

31--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.17	....	5.28	5.71	6.15	6.42	6.10	6.27	6.25	5.99	5.41	5.57
2	5.20	....	5.32	5.67	6.20	6.50	6.01	6.22	6.29	5.99	5.44	5.55
3	5.23	....	5.39	5.66	6.27	6.55	5.99	6.14	6.30	5.88	5.49	5.55
4	5.22	....	5.45	5.73	6.30	6.61	5.99	6.05	6.29	5.69	5.51	5.57
5	5.23	....	5.50	5.81	6.33	6.67	6.00	6.01	6.30	5.50	5.55	5.58
6	....	....	5.50	5.82	6.38	6.72	6.01	6.00	6.30	5.42	5.59	5.55
7	....	....	5.53	5.84	6.45	6.78	6.05	6.00	6.32	5.40	5.60	5.49
8	....	....	5.62	5.88	6.50	6.81	6.09	6.04	6.35	5.39	5.65	5.48
9	....	....	5.68	5.97	6.58	6.89	6.00	6.10	6.24	5.34	5.65	5.50
10	....	....	5.69	6.00	6.63	6.97	5.98	6.18	6.13	5.24	5.36	5.58
11	....	....	5.70	5.99	6.70	7.00	5.94	6.21	6.00	5.14	5.29	5.58
12	....	....	5.72	5.82	6.72	7.03	5.94	6.30	5.96	5.05	5.24	5.57
13	....	5.12	5.75	5.68	6.78	7.10	6.00	6.39	5.95	4.95	5.20	5.58
14	....	5.09	5.79	5.60	6.81	7.17	6.04	6.41	5.96	4.90	5.15	5.60
15	....	5.05	5.82	5.52	6.80	7.19	6.09	6.35	5.93	4.93	5.10	5.59
16	....	5.05	5.86	5.47	6.70	7.11	6.11	6.27	5.95	4.95	5.10	5.60
17	....	5.06	5.90	5.48	6.67	7.09	6.19	6.28	5.90	4.95	5.13	5.64
18	....	5.07	5.90	5.54	6.67	7.08	6.24	6.33	5.72	4.87	5.20	5.66
19	....	5.06	5.95	5.55	6.64	7.10	6.31	6.39	5.62	4.90	5.19	5.69
20	....	5.09	6.00	5.59	6.62	7.10	6.39	6.35	5.60	5.00	5.24	5.70
21	....	5.13	6.02	5.63	6.59	7.13	6.45	6.30	5.60	5.02	5.29	5.70
22	....	5.13	6.05	5.62	6.47	7.16	6.50	6.20	5.63	5.05	5.30	5.70
23	....	5.16	6.11	5.68	6.38	7.20	6.42	7.17	5.65	5.10	5.32	5.74
24	....	5.20	6.08	5.72	6.30	7.20	6.30	6.15	5.70	5.10	5.39	5.79
25	....	5.23	6.00	5.77	6.24	7.11	6.28	6.18	5.78	5.13	5.40	5.80
26	....	5.26	5.96	5.80	6.20	7.00	6.28	6.10	5.81	5.16	5.40	5.80
27	....	5.27	5.96	5.88	6.20	6.91	6.29	6.06	5.89	5.20	5.40	5.75
28	....	5.27	5.94	5.96	6.23	6.79	6.29	6.08	5.90	5.24	5.40	5.60
29	....		5.81	6.03	6.24	6.59	6.24	6.10	5.90	5.25	5.47	5.50
30	....		5.77	6.10	6.27	6.30	6.24	6.14	5.93	5.30	5.54	5.40
31	....		5.74		6.32		6.28	6.20		5.38		5.34

32. Robert Nolan. NE¼NE¼ sec. 1, T. 14 S., R. 28 E. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 138 feet. Land-surface datum is 23.2 feet above msl. Highest water level 0.4 below lsd, September 1947; lowest 4.02 below lsd, June 3, 1955. Records available: 1936-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 13	2.54	June 3	4.02	Aug. 24	3.77	Oct. 18	2.83
Mar. 5	2.83	July 5	3.77	Sept. 21	3.16	Nov. 16	3.08
Apr. 7	3.37	13	3.65	Oct. 5	3.12	20	3.27
May 12	3.97						

Wakulla County

2. O. P. Shields. St. Marks. SW¼ sec. 2, T. 4 S., R. 1 E. Drilled unused artesian well in Floridan aquifer, diameter 4 inches, reported depth 103 feet, cased to 22. Highest water level 1.26 above lsd, Aug. 31, 1950; lowest 4.28 below lsd, Oct. 15, 1951. Records available: 1937, 1946-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	2.50	2.15	2.14	2.44	....	2.85	2.14	1.53	1.79	1.96	2.15	2.63
2	2.53	2.00	2.28	1.73	....	2.82	2.15	1.78	1.82	2.11	2.11	2.18
3	2.63	2.25	2.42	2.13	....	2.64	2.08	1.86	1.84	2.40	1.98	2.10
4	2.68	2.60	2.35	2.28	....	2.54	2.03	1.85	1.90	2.30	2.58	1.98
5	2.58	2.27	2.36	2.30	....	2.46	1.95	1.91	1.93	2.15	2.45	2.01
6	2.55	1.32	2.32	2.18	....	2.40	1.90	2.08	1.97	2.08	2.30	2.15
7	2.70	1.40	2.64	2.15	....	2.25	1.90	2.16	1.98	1.93	2.23	1.97
8	2.62	2.06	2.94	2.47	....	2.32	1.93	2.05	2.03	2.08	2.15	1.81
9	2.45	2.36	2.74	2.50	....	2.37	2.00	2.06	2.24	2.35	1.99	2.41
10	2.20	2.08	2.44	2.38	....	2.28	1.94	2.21	2.24	2.50	1.50	2.67
11	2.39	2.08	2.32	2.23	....	2.02	1.78	2.33	2.13	2.41	....	2.65
12	2.50	3.16	2.35	2.23	....	2.32	1.52	2.30	1.76	2.19	1.81	2.76
13	2.32	3.00	2.43	2.03	....	2.45	1.83	2.18	1.71	2.15	....	2.82
14	2.98	2.55	2.46	1.86	....	2.57	1.97	1.92	1.76	2.45	....	2.66
15	2.50	2.40	2.53	2.10	....	2.57	2.05	1.92	1.83	2.56	e1.85	2.60

2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	2.15	2.25	2.45	2.32	....	2.53	2.05	2.00	1.71	2.39	1.64	3.07
17	2.15	2.20	2.53	2.44	....	2.45	1.98	1.91	1.70	1.81	1.85	2.55
18	1.68	2.27	2.53	2.50	....	2.27	2.05	1.91	1.82	2.10	2.10	2.40
19	2.25	2.35	2.52	2.41	....	2.10	1.90	1.95	1.71	2.45	1.84	2.48
20	2.77	2.23	2.51	2.30	1.95	2.15	1.95	2.05	1.72	2.43	2.43	2.65
21	2.22	2.10	2.10	2.18	1.70	2.20	1.82	2.09	1.84	2.45	2.16	2.58
22	1.83	1.99	2.00	2.15	1.82	2.25	1.63	2.08	1.93	2.43	2.07	2.51
23	2.24	1.96	2.70	2.05	2.00	2.25	1.68	1.88	2.02	2.39	1.93	2.48
24	2.27	2.21	2.40	1.64	2.05	2.35	1.68	1.82	2.01	2.23	2.07	2.42
25	2.37	2.37	2.16	1.71	2.12	2.40	1.62	1.58	2.01	2.35	2.10	2.50
26	2.34	2.30	2.33	....	2.22	2.38	1.79	1.24	2.01	2.29	2.27	2.60
27	2.12	2.24	3.26	....	2.23	2.25	1.88	1.55	2.11	2.21	2.08	2.65
28	2.11	2.20	2.90	....	2.33	2.29	1.97	1.71	2.05	2.10	2.03	2.96
29	2.16		2.89	....	2.45	2.34	2.10	1.82	1.94	1.45	2.76	2.83
30	2.39		2.75	....	2.60	2.28	1.98	1.80	1.89	1.96	2.95	2.58
31	2.28		2.62		2.80		1.68	1.82		2.21		2.99

e Estimated.

11. U. S. Dept. of Interior. Sec. 33, T. 5 S., R. 2 W. Drilled domestic artesian well in Floridan aquifer, diameter 4 inches, reported depth 70 feet, cased to 45. Highest water level 5.17 below lsd, Sept. 7, 1951; lowest 9.00 below lsd, Mar. 7, 1949. Records available: 1946-55. Previously shown as sec. 3.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14	8.67	May 19	5.58	Aug. 19	6.75	Nov. 10	5.80
Feb. 24	7.93	July 1	6.06	Sept. 30	6.80	Dec. 21	7.73
Apr. 8	7.84						

Walton County

10. Town of Freeport. SW¼NW¼ sec. 15, T. 1 N., R. 19 W. Drilled unused artesian well in Floridan aquifer, diameter 6 inches, reported depth 183 feet, cased to 180. Land-surface datum is about 21.25 feet above msl. Highest water level 12.5 above lsd, July 30, 1947; lowest 5.38 above lsd, Oct. 20, 1954. Records available: 1947-54. Measurement discontinued.

13. O. H. Saltsman. Point Washington. NE¼NE¼ sec. 35, T. 2 S., R. 19 W. Drilled public-supply artesian well in Floridan aquifer, diameter 8 inches, depth 450 feet. Land-surface datum is about 10.56 feet above msl. Highest water level 20.8 above lsd, Sept. 3, 1947; lowest 11.0 above lsd, June 30, 1955. Records available: 1936, 1946-55. Previously shown as T. 1 S.

Jan. 13	+13.2	May 17	+13.4	Aug. 19	+11.5	Nov. 9	+11.9
Feb. 23	+13.3	June 30	+11.0	Sept. 29	+11.2	Dec. 21	+11.8
Apr. 8	+13.1						

14. Walton County. Point Washington. NW¼NE¼ sec. 35, T. 2 S., R. 19 W. Drilled public-supply artesian well in Floridan aquifer, diameter 6 inches, depth 400 feet. Land-surface datum is about 14.81 feet above msl. Highest water level 15.9 above lsd, July 12, 1949; lowest 7.6 above lsd, Sept. 29, 1955. Records available: 1936, 1946-55. Previously shown as T. 1 S.

Jan. 13	+9.0	May 17	+9.3	Aug. 19	+8.1	Nov. 9	+8.1
Feb. 23	+9.5	June 30	+8.8	Sept. 29	+7.6	Dec. 21	+8.0
Apr. 8	+9.3						

17. Citizens Oil Co. Freeport. NW¼SW¼ sec. 15, T. 1 N., R. 19 W. Drilled industrial artesian well in Floridan aquifer, diameter 8 inches, reported depth 187 feet. Land-surface datum is 2.70 feet above msl. Highest water level 35.0 above lsd, Sept. 3, 1947; lowest 25.6 above lsd, Aug. 19, Nov. 9, 1955. Records available: 1947-55. Previously shown as SW¼SE¼.

Jan. 13	+27.3	May 17	+27.6	Aug. 19	+25.6	Nov. 9	+25.6
Feb. 23	+27.8	June 30	+25.8	Sept. 29	+25.8	Dec. 21	+26.1
Apr. 8	+27.6						

Washington County

4. Town of Caryville. NW¼NW¼ sec. 11, T. 4 N., R. 16 W. Drilled public-supply artesian well in Floridan aquifer, diameter 4 inches, reported depth 785 feet. Land-surface datum is about 58 feet above msl. Highest water level 0.00, Dec. 12, 1935; lowest 17.98 below lsd, Nov. 23, 1952. Records available: 1935, 1946-55. Previously shown as SW¼SW¼ sec. 2.

Jan. 11	16.99	May 16	13.07	Aug. 16	12.33	Nov. 7	15.49
Apr. 4	15.24	June 28	12.61	Sept. 27	13.97	Dec. 19	16.20

GEORGIA

By R. L. Wait and J. T. Callahan

Scope of Water-Level Program

The observation-well program, begun in 1938 in cooperation with the State Department of Mines, Mining and Geology, was continued in 1955. Measurements were made in 72 wells, 5 of which are equipped with recording gages. Figures 18-20 show the location of observation wells.

Precipitation

The total statewide precipitation was 83 percent of normal, 8 months having deficient rainfall. A drought developed in the first 3 months, cumulative rainfall reaching only 72 percent of normal by the end of March. April and May brought well-distributed rains. Rainfall during the summer averaged slightly below normal in terms of statewide totals, but the southern division received nearly twice as much between June and September as the northern division. Little rain fell during November and December, the latter being the driest December since 1892. Precipitation data, in inches, for the State as a whole are given below:

Monthly precipitation, average and departure from average, 1955

Month	Precipitation	Average	Departure from average
January	4.44	4.06	+0.38
February	3.46	4.60	-1.14
March	1.83	4.94	-3.11
April	4.90	3.82	+1.08
May	4.23	3.45	+.78
June	2.98	4.39	-1.41
July	7.02	5.83	+1.19
August	3.06	5.20	-2.14
September	3.82	3.87	-.05
October	2.47	2.64	-.17
November	2.18	2.65	-.47
December	.93	4.17	-3.24
Total	41.32	49.62	

Pumpage

It is estimated that in 1955 pumpage of ground water for municipal and industrial purposes amounted to 280 mgd (million gallons per day) or 859.6 acre-feet per day. Pumpage in the 12 coastal counties amounted to 135 mgd or about 412 acre-feet per day. The greatest increase--from 38.98 in 1954 to 73.68 acre-feet in 1955--was at St. Marys. Metered pumpage in Brunswick was not as great as during 1954; however, total pumpage increased, as is shown by the continued decline of water levels in that area. The following table gives the metered pumpage at Savannah, Brunswick, and St. Marys since 1950. Other areas of large withdrawals are in Wayne and Lowndes Counties where 73.68 and 21.49 acre-feet per day, respectively, was used. Metered pumpage from these counties is not included in the table.

Daily average metered pumpage in acre-feet

Year	Savannah	Brunswick	St. Marys
1950	87.00	133.19	29.39
1951	82.90	151.56	41.66
1952	90.02	142.85	38.31
1953	98.11	168.13	38.31
1954	105.05	182.56	38.98
1955	174.99	164.67	73.68

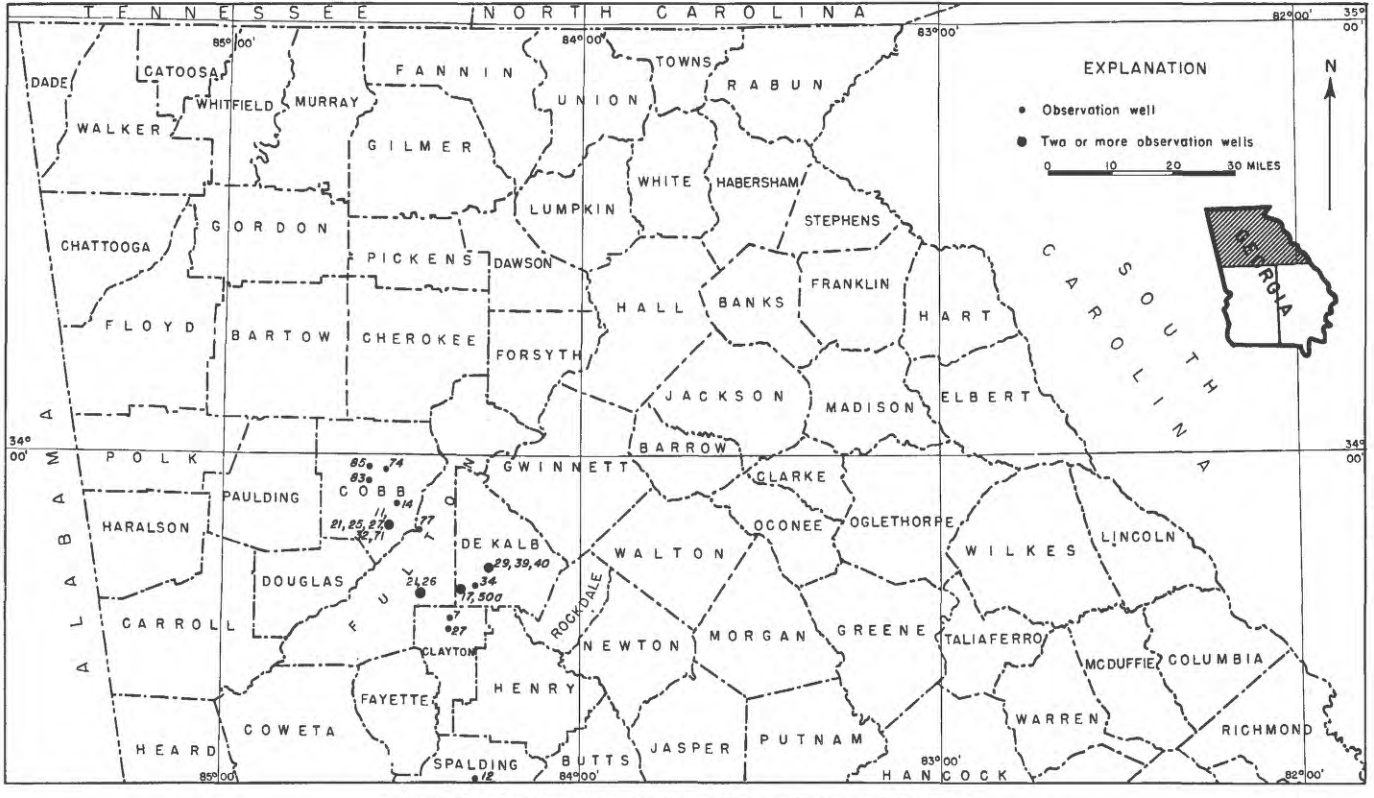


Figure 18. --Location of observation wells in northern Georgia, 1955.

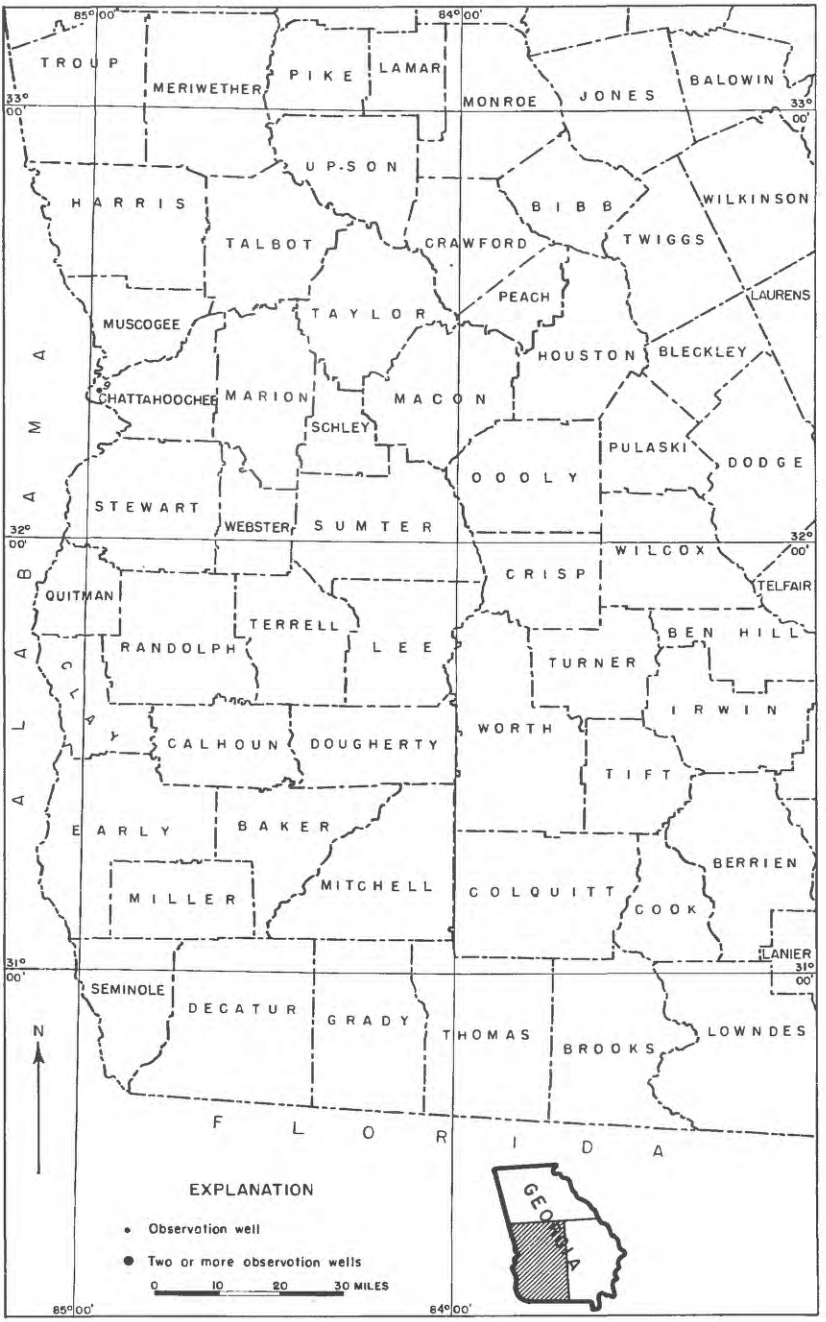


Figure 19. --Location of observation well in southwestern Georgia, 1955.

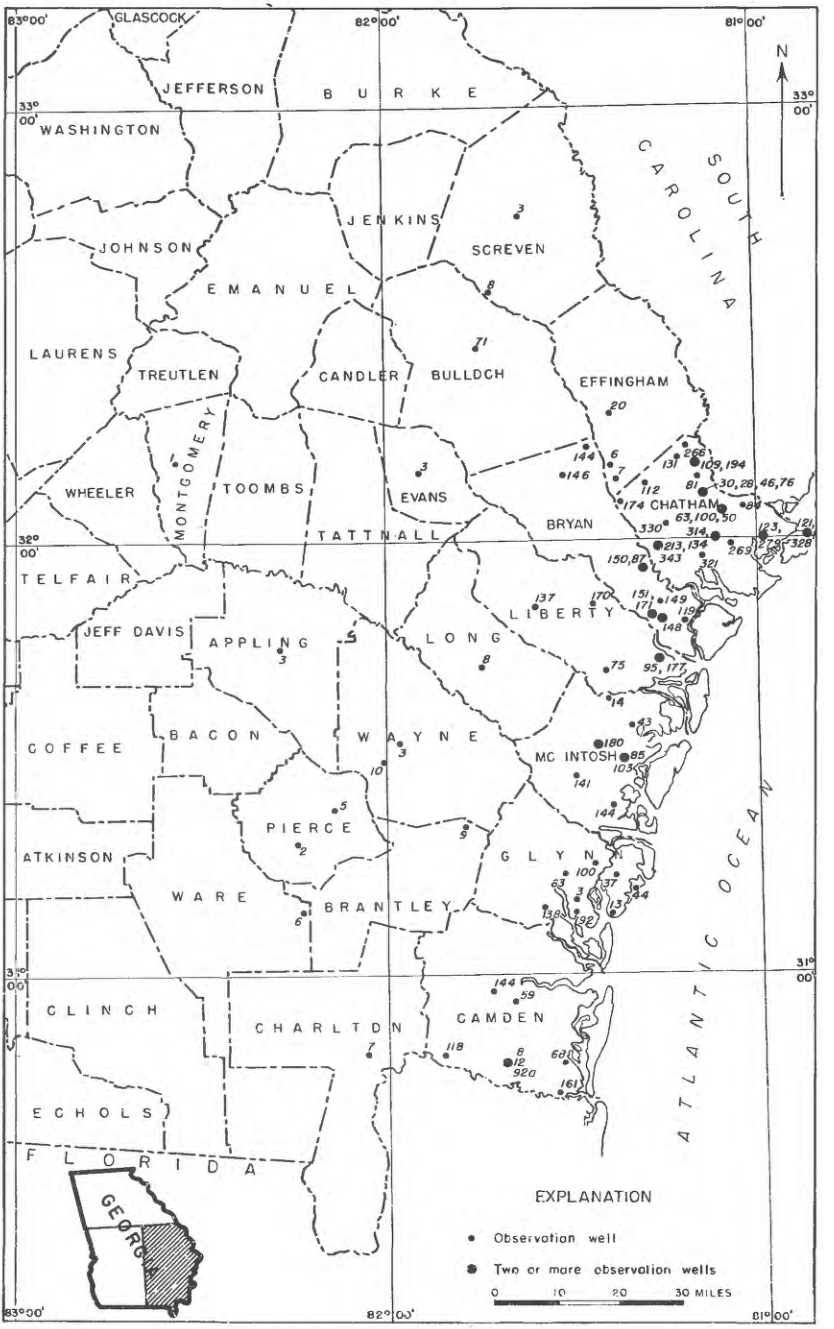


Figure 20. --Location of observation wells in southeastern Georgia, 1955

Interpretation of Water-Level Fluctuations

Coastal Plain.--Water levels declined in 66 of the 69 observation wells measured in the Coastal Plain. The decline may be due to increased use of ground water for industrial, municipal, and irrigation purposes. The decline of water levels in the Savannah area ranged from 7.06 feet in Chatham 84, about 6 miles southeast of the center of pumping, to 1.44 feet in Chatham 328, about 15 miles southeast of the center of pumping. Chatham County well 121 declined 0.59 foot. It does not completely penetrate the principal artesian aquifer, as well 328 does. Declines in water levels were greater in the area southeast and south of Savannah than in the area to the west and northwest. In Bryan County, 7 of the 9 wells measured had ceased flowing. New lows were recorded in each of the 9 wells. At Brunswick in Glynn County, the decline of the water level ranged from 2.08 feet in well 138 to 1.13 feet in well 192. In Camden County a small non-flowing area has been developed around St. Marys. The water-level decline ranged from 8.68 feet in well 161 in St. Marys to 1.16 feet in well 68 at the Kings Bay Club. New lows were recorded in Wayne 3 and Appling 3, possibly as a result of an increased rate of pumping at the Doctortown plant of the Rayonier Corp.

Piedmont.--Water-table conditions prevail throughout most of the Piedmont area; accordingly, water levels respond to local rainfall or the lack of it. Measurements therefore reflect the local climatic conditions. Recording gages were maintained on two wells in the Piedmont region, Fulton 26 and Spalding 12. December measurements in Spalding 12 were higher than in 1954.

Acknowledgments

Measurements in Chatham County were furnished through the courtesy of Union Bag & Paper Co. Measurements in Chatham County well 343 were made by the U. S. Department of Agriculture, Plant Introduction Station.

Well-Numbering System

In Georgia wells are numbered serially within each county; counties are listed alphabetically.

Well Descriptions and Water-Level Measurements

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

Appling County

3. Filtered Rosin Products Co. Near Baxley. Lat. 31°46'15", long. 82°19'54". Drilled industrial artesian well in Ocala limestone, diameter 8 inches, depth 625 feet, cased to 525. Land-surface datum is 204 feet above msl. Highest water level 128.6 below lsd, Sept. 20, 1946; lowest 143.76 below lsd, Dec. 2, 1955. Records available: 1940-55. June 9, 135.52; Dec. 2, 143.76.

Brantley County

9. U. S. Government. Lat. 31°14'51", long. 81°47'26". Drilled unused artesian well in Ocala limestone, diameter 8 to 6 inches, depth 705 feet, cased to 585. Land-surface datum is 60 feet above msl. Highest water level 1.04 below lsd, Dec. 8, 1947; lowest 13.08 below lsd, Nov. 30, 1955. Records available: 1941-43, 1945-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	10.88	Apr. 30	11.37	July 31	12.47	Oct. 31	12.60
Feb. 28	10.51	May 31	11.67	Aug. 31	12.82	Nov. 30	13.08
Mar. 31	11.09	June 30	12.37	Sept. 30	12.50	Dec. 14	12.77

Bryan County

87. International Paper Co. Richmond Hill. Lat. 31°56'44", long. 81°19'37". Drilled unused artesian well in Ocala limestone, diameter 4 inches, depth 580 feet, cased to 113. Land-surface datum is 23 feet above msl. Highest water level 4.53 above lsd, Oct. 31, 1939; lowest 7.22 below lsd, Dec. 27, 1955. Records available: 1939-55. Mar. 1, 4.98; May 15, 5.88; June 5, 5.99; Aug. 17, 6.61; Oct. 19, 7.16; Nov. 2, 7.20; Dec. 27, 7.22.

119. Henry Ford. Kilkenny. Lat. 31°47'20", long. 81°12'16". Drilled domestic artesian well in Ocala limestone, diameter 3 inches. Land-surface datum is 10 feet above msl. Highest water level 10.74 above lsd, May 12, 1939; lowest 0.91 above lsd, Dec. 27, 1955. Records available: 1939-47, 1949-55. Mar. 1, +2.69; May 13, +2.43; Aug. 17, +1.33; Oct. 19, +1.32; Dec. 27, +0.91.

144. U. Butler. Eldora. Lat. 32°13'54", long. 81°12'47". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 400 feet, cased to 80. Land-surface datum is 65.7 feet above msl. Highest water level 19.85 below lsd, Nov. 29, 1948; lowest 27.24 below lsd, Dec. 21, 1955. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	24.63	May 3	25.96	Aug. 9	26.24	Nov. 18	27.16
Feb. 23	25.54	31	26.02	Sept. 14	26.64	Dec. 21	27.24
Mar. 28	25.86	June 29	26.15	Oct. 12	26.83		

146. Mill Creek School. Lat. 32°09'04", long. 81°30'33". Drilled domestic artesian well in Ocala limestone, diameter 6 inches, depth 423 feet, cased to 318. Land-surface datum is 66.50 feet above msl. Highest water level 19.53 below lsd, Mar. 6, 1941; lowest 29.46 below lsd, Dec. 21, 1955. Records available: 1941-55.

Feb. 23	27.33	May 31	28.10	Sept. 14	28.98	Nov. 18	29.38
Mar. 28	27.64	June 29	28.48	Oct. 12	28.97	Dec. 21	29.46
May 3	27.79	Aug. 9	28.56				

148. International Paper Co. Keller. Lat. 31°50'35", long. 81°15'14". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 440 feet, cased to 152. Land-surface datum is 17 feet above msl. Highest water level 7.40 above lsd, Mar. 25, 1941; lowest 2.02 below lsd, Dec. 27, 1955. Records available: 1940-55. Mar. 1, +0.38; May 13, -0.30; Aug. 15, -1.11; Oct. 19, -1.59; Dec. 27, -2.02.

149. International Paper Co. Lat. 31°51'40", long. 81°16'57". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 500 feet, cased to 160. Land-surface datum is 10 feet above msl. Highest water level 5.65 above lsd, Dec. 17, 1940; lowest 3.85 below lsd, Dec. 27, 1955. Records available: 1940-47, 1949-55. Mar. 1, 1.50; May 15, 2.35; Aug. 15, 3.11; Oct. 19, 3.61; Dec. 27, 3.85.

150. Mrs. E. M. Berry. Richmond Hill. Lat. 31°57'32", long. 81°19'37". Drilled domestic artesian well in Ocala limestone, diameter 4 to 3 inches, depth 480 feet, cased to about 400. Land-surface datum is 15 feet above msl. Highest water level 12.57 above lsd, Dec. 17, 1940; lowest 1.90 above lsd, Dec. 27, 1955. Records available: 1940-55. May 11, +3.27; Aug. 17, +2.55; Oct. 19, +2.04; Nov. 2, +1.97; Dec. 27, +1.90.

151. Henry Ford. Lat. 31°50'19", long. 81°16'18". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 500 feet, cased to 160. Land-surface datum is 18 feet above msl. Highest water level 8.3 above lsd, Mar. 25, 1941; lowest 1.37 below lsd, Dec. 27, 1955. Records available: 1941-55. Mar. 1, +1.05; May 13, +0.47; Aug. 17, -0.45; Oct. 19, -0.88; Dec. 27, -1.37.

171. Deal & Purvis. Belfast. Lat. 31°49'18", long. 81°17'22". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 600 feet, cased to 120. Land-surface datum is 17 feet above msl. Highest water level 8.03 above lsd, Mar. 5, 1947; lowest 0.12 below lsd, Dec. 27, 1955. Records available: 1942-55. Mar. 1, +2.70; May 13, +2.10; Aug. 17, +0.76; Oct. 19, +0.56; Dec. 27, -0.12.

Bulloch County

71. Wingate Faceville. Lat. 32°27'20", long. 81°45'48". Drilled unused artesian well in Ocala limestone, diameter 8 inches, depth 390 feet. Land-surface datum is 187 feet above msl. Highest water level 67.7 below lsd, Feb. 1, 1949; lowest 74.20 below lsd, Dec. 31, 1954. Records available: 1948-55.

Jan. 31	72.30	Apr. 30	72.30	Aug. 1	72.30	Oct. 31	72.28
Feb. 28	72.00	May 31	72.30	31	72.30	Nov. 30	72.30
Mar. 31	72.30	June 30	72.30	Sept. 30	73.30	Dec. 31	72.30

Camden County

8. M. L. Hill. Kingsland. Lat. 30°47'51", long. 81°41'08". Drilled domestic artesian well in Ocala limestone, diameter 2 inches, depth 488 feet, cased to 300. Land-surface datum is 36.5 feet above msl. Highest water level 26.0 above lsd, June 23, 1939; lowest 12.06 above lsd, Dec. 1, 1955. Records available: 1938-55. June 8, +13.82; Dec. 1, +12.06.

12. J. J. Godley. Kingsland. Lat. 30°48'00", long. 81°41'26". Drilled domestic artesian well in Ocala limestone, diameter 3 inches. Land-surface datum is 35.4 feet above msl. Highest water level 25.48 above lsd, Dec. 7, 1947; lowest 13.20 above lsd, Dec. 1, 1955. Records available: 1938, 1940-55. June 8, +14.40; Dec. 1, +13.20.

59. Zack Colson. Lat. 30°56'34", long. 81°40'17". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth about 400 feet. Land-surface datum is 24 feet above msl. Highest water level 32.7 above lsd, June 22, 1939; lowest 22.14 above lsd, Dec. 1, 1955. Records available: 1939-46, 1949-55. June 8, +22.52; Dec. 1, +22.14.

68. Kings Bay Club. Lat. 30°47'53", long. 81°31'03". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 525 feet, cased to 320. Land-surface datum is 11 feet above msl. Highest water level 49.27 above lsd, June 23, 1939; lowest 31.90 above lsd, Dec. 1, 1955. Records available: 1939-47, 1949-55. June 8, +32.95; Dec. 1, +31.90.

92a. Camden Race Track. Lat. 30°47'26", long. 81°39'29". Drilled unused artesian well in Ocala limestone, diameter 2 inches, depth about 500 feet, cased to 200. Land-surface datum is 26 feet above msl. Highest water level 34.95 above lsd, Sept. 19, 1939; lowest 28.41 above lsd, Dec. 8, 1952. Records available: 1939-52. No measurement made in 1955.

118. Oscar Silcox. Lat. 30°47'46", long. 81°49'19". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 600 feet. Land-surface datum is 20 feet above msl. Highest water level 40.87 above lsd, Dec. 7, 1947; lowest 28.56 above lsd, Dec. 1, 1955. Records available: 1939, 1941-55. June 8, +28.58; Dec. 1, +28.56.

161. Edward Floyd. St. Marys. Lat. 30°43'44", long. 81°32'44". Drilled domestic artesian well in Ocala limestone, diameter 2 inches, depth 600 feet, cased to 400. Land-surface datum is 10 feet above msl. Highest water level 19.10 above lsd, July 17, 1952; lowest 2.50 below lsd, Dec. 1, 1955. Records available: 1952-55. June 8, +4.62; Dec. 1, -2.50.

Charlton County

7. State of Georgia. Lat. 30°48'51", long. 82°00'51". Drilled domestic artesian well in Ocala limestone, diameter 4 to 3 inches, depth 554 feet, cased to 517. Land-surface datum is 74.95 feet above msl. Highest water level 12.04 below lsd, Mar. 12, 1942; lowest 23.61 below lsd, Dec. 1, 1955. Records available: 1941-43, 1945-55. June 9, 22.72; Dec. 1, 23.61.

Chatham County

28. Reliance Fertilizer Co. Lat. 32°05'02", long. 81°07'53". Drilled industrial artesian well in Ocala limestone, diameter 8 inches, depth 480 feet, cased to 160. Land-surface datum is 16.37 feet above msl. Highest water level 33.25 below lsd, Oct. 11, 1939; lowest 92.56 below lsd, Oct. 14, 1955. Records available: 1932, 1937-42, 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	82.80	June 7	88.09	July 6	79.49	Sept. 18	91.13
Feb. 22	84.47	30	90.29	7	77.24	Oct. 14	92.56
Mar. 25	87.77	July 4	86.91	8	78.83	Nov. 18	91.26
May 4	85.27	5	81.70	Aug. 19	89.56	Dec. 23	89.68

30. Dixie Asphalt Corp. Lat. 32°06'53", long. 81°07'58". Drilled industrial artesian well in Ocala limestone, diameter 12 inches, depth 608 feet, cased to 234. Land-surface datum is 11.33 feet above msl. Highest water level 24.81 below lsd, Oct. 11, 1939; lowest 87.81 below lsd, Nov. 21, 1955. Records available: 1938-55.

Jan. 17	76.35	May 4	84.44	Aug. 9	87.17	Nov. 21	87.81
Feb. 22	79.44	June 2	84.76	Sept. 21	85.36	Dec. 16	84.62
Mar. 31	82.50	30	83.63	Oct. 18	86.47		

46. Union Bag & Paper Co. Lat. 32°06'12", long. 81°07'20". Drilled industrial artesian well in Ocala limestone, diameter 20 inches, depth 1,010 feet, cased to 220. Land-surface datum is 10.1 feet above msl. Highest water level 28.98 below lsd, Jan. 20, 1939; lowest 176 below lsd, Nov. 19, 1954. Records available: 1939-41, 1943-54. No measurement made in 1955.

50. Hercules Powder Co. Savannah. Lat. 32°05'18", long. 81°09'05". Drilled unused industrial artesian well in Ocala limestone, diameter 4 inches, depth 420 feet, cased to 80. Land-surface datum is 13.83 feet above msl. Highest water level 23.74 below lsd, Jan. 20, 1939; lowest 71.11 below lsd, Aug. 20, 1954. Records available: 1939, 1952-54. No measurement made in 1955.

63. Colonial Ice Co. McGuire and Indian Sts., Savannah. Lat. 32°05'07", long. 81°05'49". Drilled unused artesian well in Ocala limestone, diameter 12 inches, depth 525 feet, cased to 120. Land-surface datum is 19.30 feet above msl. Highest water level 46.52 below lsd, Oct. 18, 1939; lowest 96.37 below lsd, Aug. 19, 1955. Records available: 1939-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	84.83	June 7	95.44	July 7	88.30	Sept. 16	93.38
Feb. 22	85.10	30	95.26	8	87.27	Nov. 25	91.74
Mar. 25	89.24	July 5	90.10	Aug. 19	96.37	Dec. 23	91.16
May 4	89.99	6	89.40				

76. Pierpont Manufacturing Co. Lathrop Ave., Savannah. Lat. 32°05'50", long. 81°07'00". Drilled industrial artesian well in Ocala limestone, diameter 3 inches, depth 378 feet, cased to about 150. Land-surface datum is 12.1 feet above msl. Highest water level 53.26 below lsd, May 8, 1939; lowest 115.25 below lsd, Oct. 1, 1955. Records available: 1939-55.

Jan. 17	106.13	June 2	109.02	July 6	89.60	Sept. 21	114.47
Feb. 22	104.78	30	113.35	7	88.37	Oct. 1	115.25
Mar. 31	110.94	July 4	98.47	8	100.17	Nov. 22	113.29
May 4	110.53	5	91.74	Aug. 19	112.79	Dec. 16	111.32

81. Gordon Saussy. Lat. 32°08'24", long. 81°08'42". Drilled unused artesian well in Ocala limestone, diameter 6 inches, depth 522 feet, cased to 60. Land-surface datum is 15.1 feet above msl. Highest water level 36.12 below lsd, Mar. 19, 1942; lowest 66.00 below lsd, Dec. 16, 1955. Records available: 1940-55.

Jan. 17	57.54	May 4	62.73	Aug. 9	64.39	Nov. 22	63.49
Feb. 22	62.69	June 2	63.05	Sept. 21	64.90	Dec. 16	66.00
Mar. 31	63.30	30	63.87	Oct. 18	65.54		

84. Standard Oil Co. Lat. 32°04'37", long. 81°02'31". Drilled industrial artesian well in Ocala limestone, diameter 10 inches, depth 652 feet, cased to 230. Land-surface datum is 5.5 feet above msl. Highest water level 20.75 below lsd, Jan. 4, 1941; lowest 49.55 below lsd, Nov. 21, 1955. Records available: 1940-55.

Feb. 23	41.10	June 7	44.13	Sept. 14	47.52	Nov. 21	49.55
Mar. 25	43.27	29	47.20	Oct. 13	49.46	Dec. 20	48.44
May 4	42.43	Aug. 15	47.69				

109. State Highway Department. Lat. 32°09'40", long. 81°09'24". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 258 feet. Land-surface datum is 7.86 feet above msl. Highest water level 7.43 above lsd, Jan. 21, 1939; lowest 25.51 below lsd, Apr. 7, 1954. Records available: 1938-52, 1954. No measurement made in 1955.

112. Philip Wise. Bloomingdale. Lat. 32°07'40", long. 81°17'48". Drilled domestic artesian well in Ocala limestone, diameter 2 inches, depth 360 feet. Land-surface datum is 24.00 feet above msl. Highest water level 5.63 above lsd, Mar. 3, 1939; lowest 6.86 below lsd, Apr. 5, 1954. Records available: 1938-41, 1945-54. No measurement made in 1955.

121. Robert Schneider. Lat. 32°01'12", long. 80°51'23". Drilled domestic artesian well in Hawthorn formation, diameter 2 inches, depth 174 feet, cased to about 85. Land-surface datum is 5.8 feet above msl. Highest water level 1.37 below lsd, Sept. 23, 1939; lowest 12.43 below lsd, July 5, 1955. Records available: 1939-55.

Feb. 24	10.64	Apr. 28	9.57	July 5	12.43	Nov. 21	10.86
Mar. 29	9.78	June 3	12.15	Oct. 13	11.13	Dec. 20	10.93

123. Henry Walthour Estate. Wilmington Island. Lat. 32°00'34", long. 80°51'11". Drilled unused artesian well in Ocala limestone, diameter 3 inches, depth 235 feet, cased to 100. Land-surface datum is 4.7 feet above msl. Highest water level 4.06 below lsd, Oct. 12, 1939; lowest 19.36 below lsd, November 1955. Records available: 1938-55. Average monthly water levels.

Jan.	15.34	Apr.	16.72	July	18.68	Oct.	19.36
Feb.	15.53	May	16.98	Aug.	19.04	Nov.	19.36
Mar.	16.46	June	17.68	Sept.	19.05	Dec.	19.26

131. C. E. Oliver. Lat. 32°11'19", long. 81°11'33". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 300 feet, cased to 40. Land-surface datum is 12.8 feet above msl. Highest water level 1.28 below lsd, Oct. 26, 1939; lowest 22.07 below lsd, Nov. 22, 1955. Records available: 1938-55.

Jan. 17	17.54	May 3	20.07	Aug. 9	21.03	Nov. 22	22.07
Feb. 22	18.88	June 2	20.48	Sept. 20	21.13	Dec. 21	22.04
Mar. 28	19.96	30	20.77	Oct. 12	21.72		

134. Mrs. Americus Oglesby. Lat. 31°59'27", long. 81°06'25". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 300 feet. Land-surface datum is 20.37 feet above msl. Highest water level 20.39 below lsd, Nov. 25, 1938; lowest 44.26 below lsd, Aug. 15, 1955. Records available: 1938, 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24	37.91	Mar. 31	41.69	June 7	42.67	Aug. 15	44.26
Feb. 25	40.24	May 5	41.43	July 6	43.69	Sept. 22	43.80

174. H. C. Connor. Lat. 32°05'06", long. 81°21'34". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 340 feet, cased to 102. Land-surface datum is 21.4 feet above msl. Highest water level 6.3 above lsd, Dec. 1, 1938; lowest 2.85 above lsd, July 15, 1952. Records available: 1938, 1940-52. No measurement made in 1955.

194. Mrs. W. W. Keller, Sr. Drakies Point. Lat. 32°10'34", long. 81°07'20". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 350 feet, cased to 60. Land-surface datum is 12.3 feet above msl. Highest water level 9.91 below lsd, Oct. 18, 1939; lowest 36.46 below lsd, Dec. 21, 1955. Records available: 1938-55.

Jan. 17	30.27	May 3	34.15	Aug. 9	35.12	Nov. 22	35.86
Feb. 22	33.14	June 2	34.47	Sept. 20	35.10	Dec. 21	36.46
Mar. 28	34.30	30	35.40	Oct. 12	36.15		

213. J. L. Budreau. Burroughs Rd. and U. S. Highway 17. Lat. 31°59'38", long. 81°15'14". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 420 feet, cased to 120. Land-surface datum is 15.55 feet above msl. Highest water level 2.46 above lsd, Nov. 27, 1940; lowest 10.39 below lsd, Dec. 22, 1955. Records available: 1939-55.

Jan. 25	6.91	June 5	8.69	Aug. 18	9.97	Nov. 25	10.04
Feb. 28	7.71	6	8.75	Sept. 22	9.85	Dec. 22	10.39
May 6	8.71	July 7	9.48	Oct. 21	10.25		

266. J. H. Chisholm. Lat. 32°13'42", long. 81°10'24". Drilled domestic artesian well in Ocala limestone, diameter 3 to 2 inches, depth about 300 feet. Land-surface datum is 13.3 feet above msl. Highest water level 0.80 above lsd, May 4, 1939; lowest 18.13 below lsd, Dec. 21, 1955. Records available: 1939-55.

Jan. 17	14.17	May 3	16.16	Aug. 9	17.10	Nov. 22	18.06
Feb. 22	15.33	June 2	16.53	Sept. 20	17.32	Dec. 21	18.13
Mar. 28	15.90	30	16.93	Oct. 12	17.74		

269. J. M. Barnett. Isle of Hope. Lat. 31°58'48", long. 81°02'02". Drilled domestic artesian well in Ocala limestone, diameter 8 inches, depth 521 feet, cased to 160. Land-surface datum is 9.8 feet above msl. Highest water level 9.51 below lsd, May 8, 1939; lowest 33.56 below lsd, Oct. 13, 1955. Records available: 1939-55.

Jan. 21	28.07	May 5	30.43	Sept. 15	31.94	Nov. 21	31.86
Feb. 24	28.57	June 3	30.50	Oct. 13	33.56	Dec. 20	31.55
Mar. 25	29.75	29	30.44				

279. J. B. Pound Hotel Corp. General Oglethorpe Hotel, Wilmington Island. Lat. 32°00'15", long. 80°58'14". Drilled industrial artesian well in Ocala limestone, diameter 12 inches, depth 480 feet, cased to 160. Land-surface datum is 15.1 feet above msl. Highest water level 15.89 below lsd, Jan. 18, 1941; lowest 33.56 below lsd, Oct. 13, 1955. Records available: 1939-55.

Jan. 21	28.07	May 5	30.43	Sept. 15	31.94	Nov. 21	31.86
Feb. 24	28.57	June 3	30.50	Oct. 13	33.56	Dec. 20	31.55
Mar. 25	29.75	29	30.44				

314. J. M. Breckenridge. Lat. 32°00'12", long. 81°06'41". Drilled unused artesian well in Ocala limestone, diameter 10 inches, depth 601 feet, cased to 255. Land-surface datum is 20.5 feet above msl. Highest water level 23.0 below lsd, Jan. 29, 1940; lowest 47.25 below lsd, Aug. 15, 1955. Records available: 1940-55.

Jan. 24	40.19	May 5	44.10	Aug. 15	47.25	Nov. 22	45.40
Feb. 28	41.30	June 7	45.46	Sept. 22	46.54	Dec. 22	44.98
Mar. 31	44.38	July 6	46.40	Oct. 18	46.50		

321. R. C. Hinley. Lat. 31°57'55", long. 81°06'52". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 365 feet, cased to 60. Land-surface datum is 14.54 feet above msl. Highest water level 8.47 below lsd, Mar. 7, 1941; lowest 23.53 below lsd, Aug. 15, 1955. Records available: 1940-55.

Jan. 14	19.35	May 5	21.75	Aug. 15	23.53	Nov. 22	23.14
Feb. 25	20.52	June 7	22.20	Sept. 22	23.17	Dec. 22	22.86
Mar. 31	21.37	July 6	23.09	Oct. 18	23.26		

328. U. S. Army. Fort Screven, Tybee Island. Lat. 32°01'25", long. 80°50'33". Drilled unused artesian well in Hawthorn formation, diameter 3 inches, depth 139 feet. Land-surface datum is 9.85 feet above msl. Highest water level 6.30 below lsd, Dec. 13, 1940; lowest 16.20 below lsd, June 3, 1955. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	12.57	Apr. 28	13.10	Sept. 14	15.17	Nov. 21	14.60
Feb. 24	14.58	June 3	16.20	Oct. 13	15.74	Dec. 20	15.18
Mar. 29	14.07	July 5	16.14				

330. State Highway Department. Lat. 32°01'18", long. 81°12'17". Drilled unused artesian well in Ocala limestone, diameter 3 to 2 inches, depth 540 feet, cased to 400. Land-surface datum is 10.02 feet above msl. Highest water level 1.81 below lsd, Aug. 11, 1941; lowest 13.03 below lsd, Oct. 25, 1955. Records available: 1941-47, 1949-55.

Feb. 28	9.91	July 7	11.99	Oct. 18	12.74	Nov. 8	12.87
Apr. 1	10.91	Aug. 18	12.50	25	13.03	25	12.58
May 6	10.99	Oct. 4	12.74	Nov. 1	12.98	Dec. 22	12.54
June 6	11.24	11	12.82				

343. U. S. Dept. of Agriculture. Barbour Lathrop Plant Introduction Station. Lat. 31°59'35", long. 81°15'44". Drilled observation water-table well in sediments of Pleistocene and Recent age, diameter 6 inches, depth 15 feet, cased to 15 with tile. Land-surface datum is 18.67 feet above msl. Highest water level 0.05 below lsd, Sept. 26, 1953; lowest 10.90 below lsd, Sept. 13, 1954. Records available: 1942-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.33	4.63	5.29	7.10	6.31	7.58	7.66	8.40	9.11	7.84	9.34	10.09
2	8.37	4.68	5.36	7.13	6.40	7.65	7.63	8.27	9.13	7.91	9.37	10.11
3	8.40	4.80	5.43	7.13	6.50	7.72	7.64	8.22	9.15	7.97	9.40	10.13
4	8.34	4.89	5.46	7.24	6.58	7.78	7.68	8.21	9.00	8.03	9.44	10.15
5	8.37	4.89	5.52	7.33	6.65	7.84	7.71	8.23	8.91	8.08	9.47	10.16
6	8.38	4.89	5.55	7.37	6.75	7.90	7.75	8.23	8.61	8.15	9.50	10.17
7	8.48	4.82	5.63	7.38	6.86	7.97	7.80	8.25	8.37	8.21	9.52	10.19
8	8.47	4.46	5.71	7.47	6.96	8.03	7.87	8.25	8.30	8.27	9.55	10.20
9	8.44	4.33	5.75	7.55	7.08	8.10	7.93	8.30	8.25	8.33	9.58	10.22
10	8.54	4.30	5.79	7.58	7.18	8.19	8.00	8.36	8.19	....	9.58	.....
11	8.59	4.27	5.83	7.57	7.25	8.24	8.05	8.40	8.16	....	9.60	.....
12	8.61	4.44	5.89	7.32	7.33	8.29	8.14	8.47	8.14	....	9.65	10.27
13	8.60	4.49	5.97	7.15	7.41	8.36	8.24	8.57	8.12	....	9.69	10.29
14	8.68	4.49	6.04	6.76	7.48	8.42	8.31	8.69	7.87	....	9.70	10.30
15	8.64	4.52	6.10	5.90	7.50	8.48	8.37	8.78	7.49	....	9.72	10.32
16	8.57	4.60	6.12	5.46	7.37	8.53	8.43	8.84	7.40	....	9.75	10.33
17	8.46	4.65	6.20	5.26	7.28	8.57	8.50	8.89	7.28	....	9.77	10.35
18	7.75	4.74	6.24	5.16	7.28	8.61	8.52	8.97	7.18	....	9.80	10.36
19	6.79	4.80	6.30	5.15	7.31	8.65	8.59	9.04	7.13	....	9.82	10.39
20	6.15	4.86	6.40	5.20	7.34	8.69	8.65	9.10	7.13	....	9.85	10.40
21	5.78	4.90	6.42	5.26	7.39	8.73	8.71	9.16	7.20	....	9.89	10.41
22	5.67	4.94	6.44	5.35	7.47	8.78	8.77	9.21	7.26	....	9.91	10.42
23	....	4.99	6.57	5.44	7.52	8.82	8.83	9.25	7.31	....	9.93	10.44
24	5.00	5.05	6.61	5.55	7.52	8.86	8.87	9.30	7.36	9.05	9.95	10.45
25	4.32	5.12	6.64	5.66	7.52	8.90	8.90	9.30	7.44	9.09	9.98	10.46
26	4.24	5.16	6.68	5.78	7.45	8.93	8.95	9.17	7.53	9.12	10.00	10.48
27	4.25	5.19	6.84	5.89	7.45	8.97	9.00	....	7.62	9.15	10.01	10.50
28	4.34	5.23	6.90	6.00	7.47	8.20	9.05	....	7.66	9.19	10.02	10.52
29	4.44		6.93	6.10	7.44	7.88	9.08	9.05	7.71	9.21	.....	.....
30	....		7.01	6.21	7.43	7.73	9.12	9.06	7.77	9.25	.....	.....
31	4.59		7.06		7.49		8.56	9.08		9.29		.....

Chattahoochee County

9. U. S. Army. Fort Benning. Lat. 32°20'36", long. 84°59'03". Drilled unused artesian well in Blufftown and Eutaw formations and Tuscaloosa group, diameter 12 inches, depth 568 feet, screens 215-220, 230-235, 280-290, 540-550. Land-surface datum is 255 feet above msl. Highest water level 1.76 below lsd, May 4, 1951; lowest 19.77 below lsd, Oct. 5, 1954. Records available: 1950-55.

9--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	7.91	7.09	5.66	5.11	5.48	9.94	12.11	14.83	17.16	16.10	11.65	9.49
2	7.87	7.07	5.66	5.00	5.47	10.35	12.12	14.95	17.60	15.90	11.55	9.38
3	7.80	7.10	5.63	5.04	5.69	10.96	12.12	14.80	17.67	15.70	11.48	9.30
4	7.68	7.09	5.60	5.08	6.38	11.00	12.11	14.97	17.48	15.48	11.40	9.24
5	7.60	6.98	5.60	5.08	7.07	10.90	12.12	15.53	17.20	15.25	11.29	9.22
6	7.54	6.79	5.58	5.02	7.66	10.75	12.12	15.90	16.90	15.08	11.20	9.13
7	7.52	6.75	5.60	4.98	7.94	10.60	12.12	16.18	16.65	.....	11.13	9.05
8	7.50	6.63	5.60	4.98	7.92	10.68	12.13	16.28	16.99	.....	11.05	8.97
9	7.46	6.50	5.55	4.95	7.94	11.35	12.13	16.38	17.60	.....	10.93	9.02
10	7.37	6.42	5.50	4.84	8.04	11.93	12.13	16.43	17.65	14.97	10.78	9.00
11	7.41	6.43	5.46	4.77	8.08	11.97	12.13	16.62	17.44	14.93	10.75	8.95
12	7.35	6.48	5.45	4.73	8.40	11.85	12.12	17.11	17.20	14.92	10.71	8.89
13	7.34	6.06	5.45	4.63	9.12	11.67	12.12	17.25	16.96	.....	10.63	8.86
14	7.28	6.04	5.45	4.55	9.50	11.57	12.13	17.06	16.71	.....	10.52	8.81
15	7.26	5.98	5.43	4.43	9.58	12.00	12.13	17.09	17.07	.....	10.41	8.76
16	7.64	5.96	5.41	4.38	9.38	12.15	12.13	17.08	17.61	13.35	10.33	8.73
17	7.63	5.90	5.39	4.26	9.25	12.40	13.85	16.84	17.66	13.23	10.33	8.68
18	7.50	5.88	....	4.33	9.33	12.51	13.69	.....	17.42	13.12	10.26	8.63
19	7.50	5.85	....	4.35	9.74	12.45	13.65	.....	17.13	13.05	.....	8.62
20	7.48	5.84	5.32	4.37	9.97	12.25	14.00	17.66	16.88	12.98	.....	8.55
21	7.39	5.83	5.29	4.36	9.95	12.02	14.55	17.47	.....	12.85	.....	8.48
22	7.35	5.82	5.27	4.35	9.85	.....	14.75	17.17	.....	12.72	.....	8.42
23	7.30	5.86	5.27	4.32	9.70	.....	14.84	16.83	16.40	12.61	.....	8.37
24	7.28	5.86	5.20	4.32	9.48	.....	14.65	16.55	16.93	12.47	9.97	8.34
25	7.30	5.85	5.15	4.35	9.27	.....	14.34	16.63	17.26	12.38	9.82	8.31
26	7.28	5.81	5.18	4.77	9.11	12.11	14.00	17.17	17.18	12.25	9.76	8.29
27	7.24	5.77	5.24	5.28	9.34	12.09	12.76	17.36	16.93	12.12	9.64	....
28	7.20	5.71	5.21	5.40	9.60	.....	13.55	17.20	16.67	12.00	9.62	....
29	7.20		5.19	5.50	9.95	.....	13.67	16.92	16.50	11.85	9.62	....
30	7.20		5.19	5.52	10.09	12.10	14.30	16.78	16.31	11.78	9.58	....
31	7.20		5.15		10.04		14.62	16.81		11.75		8.03

Clayton County

7. H. P. Lieupo. Forest Park. Lat. 33°37'05", long. 84°23'12". Drilled domestic water-table well in granite, diameter 8 inches, depth 184 feet, cased to 14. Land-surface datum is 965 feet above msl. Highest water level 21.9 below lsd, Apr. 22, 1943; lowest 38.51 below lsd, Dec. 7, 1951. Records available: 1943-54. No measurement made in 1955.

27. G. T. Humphrey. Lat. 33°35'58", long. 84°22'38". Drilled domestic water-table well in granite, diameter 6 inches, depth 200 feet, cased to 200. Land-surface datum is 932 feet above msl. Highest water level 30.3 below lsd, Apr. 28, 1943; lowest 55.17 below lsd, Dec. 23, 1948. Records available: 1943-54. No measurement made in 1955.

Cobb County

11. Mrs. J. H. Carmichael. Oakdale. Lat. 33°50'27", long. 84°28'47". Drilled unused water-table well in schist, diameter 6 inches, depth 112 feet. Land-surface datum is 900 feet above msl. Highest water level 21.66 below lsd, May 27, 1953; lowest 33.47 below lsd, Dec. 22, 1947. Records available: 1943-54. No measurement made in 1955.

14. J. A. Rust. Smyrna. Lat. 33°52'21", long. 84°29'59". Drilled industrial water-table well in injection complex, diameter 6 inches, depth 117 feet, cased to 40. Highest water level 37.27 below lsd, Feb. 28, 1946; lowest 47.95 below lsd, Apr. 10, 1947. Records available: 1943-54. No measurement made in 1955.

21. J. B. Gaines. Oakdale. Lat. 33°50'07", long. 84°28'10". Drilled domestic water-table well, diameter 6 inches, depth 85 feet, cased to 40. Land-surface datum is 858 feet above msl. Highest water level 29.70 below lsd, Aug. 4, 1949; lowest 34.94 below lsd, Dec. 8, 1951. Records available: 1943-54. No measurement made in 1955.

27. R. D. Webb. Oakdale. Lat. 33°50'21", long. 84°28'24". Drilled domestic water-table well in gneiss, diameter 6 inches, depth 54 feet. Land-surface datum is 880 feet above msl. Highest water level 18.25 below lsd, Aug. 4, 1949; lowest 27.19 below lsd, Dec. 20, 1954. Records available: 1943-54. No measurement made in 1955.

32. Mrs. F. C. Arnold. Lat. 33°41'32", long. 84°30'30". Drilled domestic water-table well, diameter 6 inches, depth 78 feet. Highest water level 12.72 below lsd, May 27, 1953; lowest 43.89 below lsd, Aug. 13, 1945. Records available: 1943-45, 1952-54. No measurement made in 1955.

71. D. W. Cook. Oakdale. Lat. 33°50'38", long. 84°29'51". Drilled domestic water-table well in gneiss, diameter 6 inches, depth 109 feet, cased to 40. Land-surface datum is 975 feet above msl. Highest water level 52.13 below lsd, Aug. 4, 1949; lowest 58.42 below lsd, Dec. 23, 1943. Records available: 1943-54. No measurement made in 1955.

74. A. P. Hogan. Marietta. Lat. 33°56'36", long. 84°31'05". Drilled domestic water-table well in schist, diameter 7 inches, depth 96 feet. Land-surface datum is 1,150 feet above msl. Highest water level 42.30 below lsd, Feb. 28, 1946; lowest 49.4 below lsd, Jan. 7, 1944. Records available: 1943-53. No measurement made in 1955.

83. National Park Service. Kennesaw Mountain National Park. Lat. 33°59'00", long. 84°35'21". Drilled unused water-table well in diorite, diameter 6 inches, depth 51 feet, cased to 33. Land-surface datum is 1,150 feet above msl. Highest water level 3.14 below lsd, Feb. 28, 1946; lowest 5.78 below lsd, Dec. 20, 1954. Records available: 1943-54. No measurement made in 1955.

85. D. C. Hames. Lat. 33°58'53", long. 84°33'57". Drilled unused water-table well, diameter 6 inches, depth 51 feet. Land-surface datum is 1,100 feet above msl. Highest water level 11.38 below lsd, Feb. 28, 1946; lowest 47.42 below lsd, Aug. 25, 1948. Records available: 1943-51, 1953-54. No measurement made in 1955.

De Kalb County

17. Mrs. J. H. Anderson. Lat. 33°41'03", long. 84°20'50". Drilled unused water-table well in gneiss, diameter 6 inches, depth 250 feet. Land-surface datum is 862 feet above msl. Highest water level 25.88 below lsd, June 28, 1943; lowest 38.18 below lsd, Dec. 7, 1951. Records available: 1943-54. No measurement made in 1955.

29. Mrs. A. H. Daniel. Glenwood Rd. and Columbia Dr., Decatur. Lat. 33°44'44", long. 84°15'41". Drilled unused water-table well in gneiss, diameter 6 inches, depth 111 feet. Land-surface datum is 1,002 feet above msl. Highest water level 36.73 below lsd, June 1, 1944, Feb. 26, 1946; lowest 40.69 below lsd, Dec. 7, 1951. Records available: 1944-54. No measurement made in 1955.

34. I. W. Williams. Candler and Flat Shoals Rds., Panthersville. Lat. 33°42'15", long. 84°16'24". Drilled unused water-table well in gneiss, diameter 5 inches, depth 72 feet. Land-surface datum is 877 feet above msl. Highest water level 43.04 below lsd, Aug. 4, 1949; lowest 51.24 below lsd, Dec. 21, 1954. Records available: 1944-54. No measurement made in 1955.

39. C. R. Donaldson. Decatur. Lat. 33°44'35", long. 84°15'20". Drilled unused water-table well in gneiss, diameter 6 inches, depth 82 feet. Land-surface datum is 986 feet above msl. Highest water level 34.39 below lsd, Feb. 26, 1946; lowest 41.46 below lsd, Dec. 21, 1954. Records available: 1944-54. No measurement made in 1955.

40. Allen McCain. Glenwood and Candler Rds., Decatur. Lat. 33°44'12", long. 84°16'32". Drilled domestic water-table well in granite, diameter 8 inches, depth 281 feet, cased to 35. Land-surface datum is 923 feet above msl. Highest water level 1.71 below lsd, Dec. 15, 1953; lowest 15.15 below lsd, Aug. 4, 1949. Records available: 1944-54. No measurement made in 1955.

50a. Veterans of Foreign Wars. 1550 Moreland Ave., Atlanta. Lat. 33°42'40", long. 84°20'50". Drilled domestic water-table well in granite, diameter 6 inches, depth 270 feet, cased to about 20. Land-surface datum is 962 feet above msl. Highest water level 24.97 below lsd, May 28, 1953; lowest 30.78 below lsd, Dec. 20, 1954. Records available: 1953-54. No measurement made in 1955.

Effingham County

6. W. B. Butler. Eden. Lat. 32°10'41", long. 81°02'21". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 360 feet, cased to 80. Land-surface datum is 36.8 feet above msl. Highest water level 1.63 above lsd, Apr. 5, 1939; lowest 8.52 below lsd, May 31, 1955. Records available: 1939-55. Jan. 20, 7.64; Feb. 23, 7.70; Mar. 28, 8.07; May 3, 8.30; May 31, 8.52. Measurement discontinued.

7. Central of Georgia Ry. Meldrim. Lat. 32°08'17", long. 81°22'54". Drilled industrial artesian well in Ocala limestone, diameter 8 inches, depth 431 feet, cased to 273. Land-surface datum is 31.75 feet above msl. Highest water level 5.21 above lsd, Apr. 5, 1939; lowest 7.48 below lsd, December 1955. Records available: 1939-44, 1951-55. Average monthly water levels.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan.	4.89	Apr.	5.55	July	6.49	Oct.	7.13
Feb.	4.95	May	5.95	Aug.	6.61	Nov.	7.37
Mar.	5.29	June	6.22	Sept.	6.89	Dec.	7.48

20. J. D. Hagin. Pineora. Lat. 32°17'11", long. 81°23'42". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 397 feet. Land-surface datum is 78 feet above msl. Highest water level 35.35 below lsd, Apr. 4, 1939; lowest 47.83 below lsd, Nov. 29, 1955. Records available: 1939-55. June 5, 44.74; Nov. 29, 47.83; Dec. 21, 46.05.

Evans County

3. City of Claxton. Lat. 32°09'36", long. 81°54'34". Drilled municipal artesian well in Ocala limestone, diameter 6 inches, reported depth 620 feet. Land-surface datum is 182 feet above msl. Highest water level 110.26 below lsd, Aug. 4, 1948; lowest 119.88 below lsd, Nov. 29, 1955. Records available: 1939-55. June 3, 118.83; Nov. 29, 119.88.

Fulton County

21. City of East Point. Lat. 33°40'16", long. 84°26'22". Drilled unused water-table well in gneiss, diameter 8 inches, depth 500 feet, cased to 106. Land-surface datum is 1,033 feet above msl. Highest water level 20.87 below lsd, May 27, 1953; lowest 23.72 below lsd, Dec. 21, 1954. Records available: 1946, 1952-54. No measurement made in 1955.

26. O'Neill Bros. East Point. Lat. 33°40'41", long. 84°26'23". Drilled unused industrial water-table well, diameter 10 inches, depth 350 feet. Land-surface datum is 1,038 feet above msl. Highest water level 12.85 below lsd, Apr. 11, 1948; lowest 25.06 below lsd, Feb. 10, 1944. Records available: 1943-55.

Daily noon water level from recorder graph*

Day	Jan.	Feb.	Apr.	May	Aug.	Sept.	Oct.
1	22.20	21.28	.....	20.51	.....	20.10	20.35
2	22.20	21.28	.....	20.52	.....	20.09	20.40
3	22.15	21.34	.....	20.54	.....	20.13	20.41
4	22.07	21.36	.....	20.51	.....	20.18	20.43
5	22.03	21.29	.....	20.49	.....	20.20	20.46
6	22.03	21.00	.....	20.52	.....	20.19	20.49
7	22.06	21.07	.....	20.52	.....	.....	20.52
8	22.05	21.03	.....	20.54	19.72	.....	20.57
9	22.05	20.96	.....	.....	19.73	.....	20.59
10	21.95	20.89	.....	.....	19.73	.....	20.60
11	21.96	20.91	.....	.....	19.69	.....	20.61
12	.....	20.93	.....	.....	19.69	.....	20.61
13	.....	20.87	.....	.....	19.75	.....	20.62
14	.....	20.80	.....	.....	19.80	.....	20.67
15	.....	20.77	.....	.....	19.79	.....	20.70
16	.....	20.75	.....	.....	19.79	.....	20.70
17	.....	20.74	.....	.....	19.79	.....	.....
18	.....	20.71	.....	.....	19.84	.....	.....
19	.....	20.69	.....	.....	19.86	.....	.....
20	.....	20.67	.....	.....	19.88	.....	.....
21	.....	20.65	.....	.....	19.90	.....	.....
22	.....	20.63	.....	.....	19.89	.....	.....
23	.....	20.67	.....	.....	19.88	20.09	.....
24	.....	20.65	.....	.....	19.93	20.12	.....
25	.....	20.62	.....	.....	19.97	20.18	.....
26	21.36	20.56	.....	.....	19.98	20.25	.....
27	21.31	.....	20.45	.....	19.98	20.26	.....
28	21.29	.....	20.47	.....	20.01	20.25	.....
29	21.33		20.50	.....	20.02	20.26	.....
30	21.33		20.52	.....	20.04	20.29	.....
31	21.33			.....	20.09		.....

* No record for March, June, July, November, and December.

77. E. S. Nix. Bolton. Lat. 33°37'36", long. 84°29'34". Drilled domestic water-table well in gneiss, diameter 8 inches, depth 84 feet, cased to 44. Land-surface datum is 844 feet above msl. Highest water level 18.00 below lsd, Dec. 16, 1953; lowest 27.03 below lsd, Dec. 20, 1954. Records available: 1943-54. No measurement made in 1955.

Glynn County

3. Atlantic Refining Co. Arco. Lat. 31°11'01", long. 81°30'34". Drilled industrial artesian well in Ocala limestone, diameter 12 inches, depth 983 feet, cased to 501. Land-surface datum is 10.6 feet above msl. Highest water level 36.50 above lsd, Dec. 25, 1944; lowest 7.7 above lsd, Nov. 18, 1955. Records available: 1938-55.

Daily highest water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.5	12.9	13.1	12.7	12.6	11.9	11.5	11.3	11.1	11.5	10.4	10.4
2	13.5	13.2	13.2	12.7	12.4	11.9	11.5	11.4	11.2	11.6	10.5	10.7
3	13.3	12.4	12.9	13.1	12.3	11.9	11.4	11.4	11.3	11.1	10.3	11.4
4	13.4	12.2	13.0	12.7	12.3	11.9	11.4	11.4	11.5	11.2	10.2	11.4
5	13.3	12.5	13.1	12.8	12.4	11.9	11.4	11.3	11.6	11.7	10.5	11.0
6	13.0	13.0	13.1	12.7	12.4	11.8	11.4	11.4	11.7	11.8	10.9	10.7
7	13.0	13.0	12.7	12.7	12.4	11.9	11.4	11.5	11.7	11.8	9.8	11.2
8	13.2	13.1	12.9	12.7	12.3	11.9	11.4	11.5	11.7	11.7	9.9	11.1
9	13.1	13.4	12.8	12.5	12.3	11.9	11.6	11.6	11.3	10.8	9.9	10.1
10	13.4	13.4	12.9	12.5	12.2	11.9	11.4	11.6	11.6	11.5	10.7	9.6
11	12.9	13.3	13.0	12.6	12.1	11.9	11.5	11.8	11.3	11.7	10.4	9.7
12	13.3	13.6	13.2	12.7	12.2	11.7	11.6	11.7	11.4	11.4	10.4	9.1
13	12.5	12.8	12.9	12.8	12.2	11.8	11.3	11.2	10.8	11.9	10.4	9.2
14	12.9	12.9	12.8	12.6	12.3	11.3	11.5	11.5	11.3	11.6	10.3	9.6
15	13.1	13.0	....	13.0	12.1	11.4	11.6	11.4	11.3	11.5	10.6	9.8
16	12.4	13.1	12.8	13.0	13.9	11.3	11.7	11.7	11.5	11.5	10.6	9.6
17	12.3	13.2	12.7	12.8	14.5	11.6	11.6	11.8	11.5	11.4	9.0	9.7
18	12.5	12.3	12.9	12.7	14.9	11.6	11.3	11.7	11.2	11.3	9.4	9.4
19	12.6	12.9	12.8	12.7	15.2	11.7	11.3	11.5	12.2	11.0	10.0	9.8
20	12.6	13.0	12.6	12.6	15.6	11.9	11.3	11.5	13.1	11.3	10.0	9.8
21	12.7	12.9	12.8	12.8	15.7	....	11.3	11.5	13.2	11.7	10.5	9.8
22	12.8	13.0	13.0	12.9	15.8	11.9	11.2	11.4	12.8	11.7	10.8	9.7
23	12.4	13.1	12.6	13.0	15.8	11.8	11.4	11.6	12.4	11.0	10.9	13.8
24	12.4	13.3	12.6	13.0	15.0	11.3	11.4	11.4	11.8	11.7	10.4	15.6
25	13.7	12.4	13.1	12.9	13.3	11.8	11.3	11.1	11.6	11.2	11.0	15.0
26	13.0	13.1	13.3	12.8	13.5	11.7	11.3	11.2	11.0	11.1	10.4	14.4
27	13.3	13.2	12.4	12.8	13.4	11.6	11.4	11.6	10.9	10.9	10.5	12.2
28	12.8	13.2	11.9	12.5	13.0	11.8	11.3	11.6	11.2	10.8	10.7	12.7
29	12.4		12.8	12.7	12.8	11.4	11.4	11.4	11.5	10.9	10.1	12.1
30	12.8		12.6	12.6	12.4	11.3	11.4	11.3	11.6	10.5	10.1	12.3
31	13.6		12.7		12.3		11.3	11.3		10.3		12.6

Daily lowest water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.0	11.8	12.3	11.5	11.8	10.9	10.5	10.2	10.4	10.7	9.2	9.5
2	12.7	12.0	12.5	11.6	11.8	10.9	10.4	10.2	10.5	10.6	9.4	9.7
3	12.0	11.7	12.1	12.2	11.6	10.8	10.3	10.3	10.4	10.6	9.2	9.9
4	12.1	11.7	12.4	11.7	11.7	10.9	10.4	10.2	10.6	10.6	9.3	10.0
5	12.5	11.7	12.4	11.8	11.8	10.9	10.3	10.2	10.4	10.6	9.3	10.2
6	12.0	12.0	12.3	12.3	11.9	10.8	10.4	10.3	10.6	10.5	9.3	10.4
7	12.0	12.2	12.0	12.1	11.7	10.7	10.4	10.2	10.6	10.5	9.2	10.6
8	11.8	12.0	11.7	11.5	11.8	10.8	10.3	10.4	10.5	10.5	9.3	9.9
9	11.9	11.9	11.7	11.4	11.9	10.7	10.5	10.5	10.6	10.4	9.5	9.0
10	12.0	11.9	11.8	11.8	11.8	10.8	10.4	10.7	10.6	10.5	9.6	8.8
11	12.1	11.8	12.5	12.1	11.6	10.7	10.4	10.9	10.6	10.5	9.5	8.8
12	11.7	11.8	12.5	11.9	11.5	10.6	10.4	10.8	10.5	10.7	9.5	8.7
13	11.7	11.4	12.3	12.4	11.6	10.6	10.2	10.5	10.4	10.8	9.4	8.5
14	11.6	11.6	12.2	12.3	11.8	10.5	10.3	10.5	10.5	10.6	9.5	8.6
15	11.8	11.9	....	12.1	11.7	10.5	10.6	10.3	10.4	10.7	9.6	8.6
16	12.0	12.0	12.2	12.0	11.7	10.6	10.6	10.6	10.5	10.9	9.0	8.4
17	11.9	12.0	12.2	11.9	13.1	10.8	10.3	10.8	10.6	10.8	7.9	8.5
18	12.0	12.0	12.3	11.9	13.9	10.8	10.2	10.6	10.7	10.5	7.7	8.5
19	12.0	12.0	12.4	11.9	14.4	10.7	10.2	10.6	10.6	10.5	9.4	8.5
20	11.6	12.0	12.1	12.1	14.8	10.7	10.3	10.5	11.8	10.3	9.3	8.5
21	11.5	12.0	12.1	12.2	15.1	....	10.2	10.5	11.9	10.3	9.3	8.5
22	12.1	12.2	12.4	12.3	15.2	10.7	10.2	10.5	11.8	10.4	9.4	8.6
23	12.0	12.2	11.5	12.4	14.4	10.5	10.3	10.5	11.0	10.4	9.6	10.5
24	11.7	12.0	11.6	12.4	13.9	10.4	10.3	10.4	10.8	10.5	9.6	13.0
25	11.7	11.7	11.7	12.3	12.7	10.5	10.2	10.2	10.5	10.4	9.8	14.6
26	11.6	11.8	11.8	12.0	12.3	10.5	10.2	10.3	10.3	9.7	9.7	12.0
27	12.0	11.8	11.3	11.0	12.3	10.5	10.2	10.3	10.4	9.7	9.7	11.4
28	11.9	12.1	11.4	10.6	11.8	10.6	10.4	10.3	10.5	9.6	9.9	11.7
29	11.8		11.5	10.9	11.6	10.6	10.5	10.3	10.5	9.8	9.6	11.3
30	11.7		11.3	11.7	11.3	10.5	10.5	10.4	10.6	9.8	9.6	11.2
31	11.7		11.5		11.3		10.3	10.5		9.4		11.4

13. U. S. Dept. of Commerce. At lighthouse on St. Simon Island. Lat. 31°07'57", long. 81°23'41". Drilled domestic artesian well in Ocala limestone, diameter 4 to 3 to 2 inches, depth 627 feet, cased to 500. Land-surface datum is 13.5 feet above msl. Highest water level 36.63 above lsd, Dec. 13, 1938; lowest 20.60 above lsd, June 7, 1955. Records available: 1938, 1940-55. June 7, +20.60; Dec. 1, +23.71.

37. F. G. Horne. St. Simon Island. Lat. 31°13'08", long. 81°23'31". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 640 feet, cased to about 500. Land-surface datum is 13.88 feet above msl. Highest water level 36.0 above lsd, Jan. 11, 1939; lowest 20.24 above lsd, Dec. 1, 1955. Records available: 1939, 1941-55. June 7, +21.31; Dec. 1, +20.24.

44. Sea Island Co. Gun Club on St. Simon Island. Lat. 31°10'40", long. 81°21'29". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 640 feet, cased to about 500. Land-surface datum is 7.3 feet above msl. Highest water level 40.96 above lsd, Jan. 11, 1939; lowest 27.26 above lsd, June 7, 1955. Records available: 1939-55. June 7, +27.26; Dec. 1, +27.79.

63. S. L. Lewis. Near Southern Junction. Lat. 31°13'45", long. 81°31'43". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 700 feet. Land-surface datum is 26 feet above msl. Highest water level 22.47 above lsd, Feb. 2, 1939; lowest 6.15 above lsd, Dec. 1, 1955. Records available: 1939, 1942-55. June 8, +7.05; Dec. 1, +6.15.

100. New England Tourist Camp. Lat. 31°15'10", long. 81°26'29". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 600 feet, cased to about 300. Land-surface datum is 16.9 feet above msl. Highest water level 25.1 above lsd, June 20, 1939; lowest 12.94 above lsd, Nov. 30, 1955. Records available: 1939-55. June 7, +13.37; Nov. 30, +12.94.

138. G. F. Cowman. Lat. 31°08'22", long. 81°34'30". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 665 feet, cased to about 500. Land-surface datum is 8 feet above msl. Highest water level 36.5 above lsd, Sept. 18, 1939; lowest 23.60 above lsd, Dec. 1, 1955. Records available: 1939-55. June 8, +24.00; Dec. 1, +23.60.

192. Edgar Rittenhouse. Brunswick. Lat. 31°10'44", long. 81°30'36". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 640 feet, cased to 520. Land-surface datum is 13.0 feet above msl. Highest water level 30.58 above lsd, Dec. 27, 1940; lowest 8.19 above lsd, Dec. 1, 1955. Records available: 1939-55. June 8, +8.76; Dec. 1, +8.19.

Liberty County

75. Mrs. E. P. Way. Lat. 31°41'11", long. 81°24'27". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 500 feet, cased to 187. Land-surface datum is 26 feet above msl. Highest water level 25.48 above lsd, Feb. 9, 1939; lowest 13.98 above lsd, Nov. 30, 1955. Records available: 1939, 1941-55. June 7, +15.95; Nov. 30, +13.98.

95. J. Blount. On Colonels Island. Lat. 31°43'53", long. 81°15'53". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 400 feet. Land-surface datum is 8 feet above msl. Highest water level 16.63 above lsd, Dec. 1, 1948; lowest 12.60 above lsd, Dec. 3, 1953. Records available: 1939, 1941-53. No measurement made in 1955.

137. H. A. Bacon. Hinesville. Lat. 31°50'59", long. 81°35'25". Drilled domestic artesian well in Ocala limestone, diameter 2 inches, depth 527 feet, cased to 400. Land-surface datum is 47 feet above msl. Highest water level 3.40 above lsd, Apr. 26, 1939; lowest 10.12 below lsd, Nov. 30, 1955. Records available: 1939-55. June 6, 8.93; Nov. 30, 10.12.

170. J. H. Woodall. Lat. 31°50'52", long. 81°24'35". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 503 feet, cased to 463. Land-surface datum is 10 feet above msl. Highest water level 14.97 above lsd, June 30, 1941; lowest 6.52 above lsd, Nov. 30, 1955. Records available: 1941-55. June 6, +8.11; Nov. 30, +6.52.

177. P. E. Youmans. On Colonels Island. Lat. 31°43'56", long. 81°14'27". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 490 feet, cased to 100. Land-surface datum is 13 feet above msl. Highest water level 12.35 above lsd, Aug. 26, 1945; lowest 6.85 above lsd, June 6, 1955. Records available: 1942-55. June 6, +6.85.

Long County

8. Town of Ludowici. Lat. 31°42'41", long. 81°44'45". Drilled municipal artesian well in Ocala limestone, diameter 8 to 6 inches, depth 579 feet. Land-surface datum is 66 feet above msl. Highest water level 9.29 below lsd, Mar. 18, 1940; lowest 24.54 below lsd, Dec. 2, 1955. Records available: 1940-47, 1949-55. June 9, 23.10; Dec. 2, 24.54.

McIntosh County

14. C. H. Stebbins. Lat. 31°38'15", long. 81°23'35". Drilled domestic artesian well in Ocala limestone, diameter 3 inches. Land-surface datum is 17 feet above msl. Highest water level 22.15 above lsd, Feb. 9, 1939; lowest 11.27 above lsd, Nov. 30, 1955. Records available: 1941-55. June 6, +12.97; Nov. 30, +11.27.

43. Shellman Bluff. Lat. 31°34'08", long. 81°19'27". Drilled municipal artesian well in Ocala limestone, diameter 3 inches, depth 650 feet. Land-surface datum is 15 feet above msl. Highest water level 34.75 above lsd, Mar. 12, 1939; lowest 13.61 above lsd, June 7, 1955. Records available: 1939, 1941-43, 1945-47, 1949-55. June 7, +13.61.

85. John D. Gibb. Lat. 31°30'19", long. 81°23'04". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 918 feet, cased to about 600. Land-surface datum is 28 feet above msl. Highest water level 0.95 below lsd, Mar. 30, 1939; lowest 10.92 below lsd, June 7, 1955. Records available: 1939-55. June 7, +10.92. Measurement discontinued.

103. A. M. Durant. Valona. Lat. 31°28'41", long. 81°20'33". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 600 feet, cased to about 200. Land-surface datum is 10 feet above msl. Highest water level 29.05 above lsd, Apr. 11, 1939; lowest 18.11 above lsd, Nov. 30, 1955. Records available: 1939-41, 1943, 1945-55. June 7, +18.40; Nov. 30, +18.11.

141. Sam Gardner. Lat. 31°27'19", long. 81°29'03". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 496 feet, cased to about 400. Land-surface datum is 23 feet above msl. Highest water level 23.14 above lsd, Apr. 27, 1939; lowest 12.53 above lsd, Nov. 3, 1955. Records available: 1939-47, 1949-55. June 7, +14.22; Nov. 3, +12.53.

144. Col. Talbot Smith. Lat. 31°23'25", long. 81°24'27". Drilled domestic artesian well in Ocala limestone, diameter 4 inches, depth 716 feet, cased to about 600. Land-surface datum is 20 feet above msl. Highest water level 25.85 above lsd, Apr. 28, 1939; lowest 11.51 above lsd, Nov. 30, 1955. Records available: 1939-55. June 7, +13.89; Nov. 30, +11.51.

180. D. C. Cowart. Eulonia. Lat. 31°31'30", long. 81°25'59". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth about 500 feet. Land-surface datum is 1.8 feet above msl. Highest water level 23.26 above lsd, Aug. 27, 1947; lowest 13.85 above lsd, Nov. 30, 1955. Records available: 1942-55. June 7, +15.75; Nov. 30, +13.85.

Montgomery County

1. H. V. Thompson. Ailey. Lat. 32°11'09", long. 82°34'24". Drilled industrial artesian well in Ocala limestone, diameter 6 to 4 inches, depth 403 feet, cased to 345. Land-surface datum is 255 feet above msl. Highest water level 104.60 below lsd, June 15, 1943; lowest 114.62 below lsd, June 3, 1955. Records available: 1941-43, 1945-46, 1949-51, 1953-55. June 3, 114.62; Nov. 29, 110.06.

Pierce County

2. City of Blackshear. Lat. 31°18'11", long. 82°14'09". Drilled unused artesian well in Ocala limestone, diameter 8 to 6 inches, depth 635 feet, cased to 447. Land-surface datum is 130.6 feet above msl. Highest water level 57.08 below lsd, Dec. 8, 1947; lowest 68.04 below lsd, Dec. 1, 1955. Records available: 1939-43, 1945-55. June 9, 66.08; Dec. 1, 68.04. Nearby well being pumped.

5. Town of Patterson. Lat. 31°23'11", long. 82°08'00". Drilled municipal artesian well in Ocala limestone, diameter 8 to 6 inches, depth 635 feet, cased to 447. Land-surface datum is 104 feet above msl. Highest water level 30.71 below lsd, Dec. 8, 1947; lowest 45.34 below lsd, June 9, 1955. Records available: 1941-43, 1945-55. June 9, 45.34; Dec. 1, 41.81.

Screven County

3. City of Sylvania. Lat. 32°45'03", long. 81°36'40". Drilled municipal artesian well in Ocala limestone, diameter 10 to 8 inches, depth 490 feet. Land-surface datum is 218 feet above msl. Highest water level 103.0 below lsd, Aug. 8, 1949; lowest 113.62 below lsd, July 14, 1952. Records available: 1939, 1943, 1945-47, 1949-55. June 4, 109.00; Nov. 29, 110.87.

8. W. W. Yant. Dover. Lat. 32°34'38", long. 81°42'49". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 255 feet, cased to 90. Land-surface datum is 103 feet above msl. Highest water level 18.30 above lsd, July 14, 1952; lowest 10.78 above lsd, June 4, 1955. Records available: 1939, 1943, 1945-46, 1949-55. June 4, +10.78; Nov. 29, +15.55.

Spalding County

12. State Experiment Station. Lat. 33°15'07", long. 84°17'18". Dug unused water-table well in residuum, size 4 by 4 feet, depth 30 feet. Land-surface datum is 960 feet above msl. Highest water level 8.26 below lsd, Mar. 19, Apr. 11, 1948; lowest 21.08 below lsd, Dec. 8, 1943. Records available: 1943-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	18.00	.....	16.94	15.77	16.25	16.66	14.84	14.87	16.01	17.19	17.45
2	.....	17.95	.....	16.92	15.86	16.23	16.65	14.75	14.86	16.09	17.19	17.34
3	.....	18.05	.....	16.92	15.87	16.19	16.66	14.66	14.90	16.15	17.21	17.30
4	.....	18.10	.....	16.95	15.84	16.19	16.64	14.63	14.97	16.15	17.28	17.23
5	.....	18.00	.....	17.00	15.83	16.19	16.63	14.63	15.00	16.16	17.27	.....
6	.....	17.83	.....	16.96	15.87	16.21	16.62	14.55	15.00	16.21	17.28	.....
7	.....	17.87	.....	16.88	15.87	16.20	16.62	14.49	15.00	16.21	17.34	.....
8	.....	17.87	.....	16.95	15.87	16.20	16.65	14.45	15.08	16.29	17.42	.....
9	.....	17.85	.....	16.95	16.03	16.26	16.65	14.50	15.18	16.36	17.40	.....
10	.....	17.75	.....	16.87	16.04	16.30	16.61	14.50	15.17	16.41	17.31	.....
11	.....	17.63	.....	16.73	16.06	16.33	16.58	14.45	15.16	16.39	17.49	.....
12	.....	17.78	.....	16.74	16.10	16.38	16.60	14.42	15.20	16.38	17.56	.....
13	.....	17.75	.....	16.70	16.10	16.50	16.61	14.47	15.29	16.36	17.59	.....
14	.....	.....	17.09	16.50	16.13	16.53	16.54	14.55	15.32	16.39	17.55	.....
15	.....	.....	17.05	16.45	16.21	16.55	16.42	14.61	15.31	16.48	17.54	.....
16	.....	17.45	17.01	16.32	16.25	16.58	16.37	14.57	15.35	16.51	17.53	.....
17	18.68	17.44	17.08	16.25	16.26	16.61	16.31	14.57	15.42	16.52	17.68	.....
18	18.62	17.45	17.00	16.16	16.35	16.65	16.26	14.66	15.43	16.60	17.69	.....
19	18.60	17.41	17.00	16.07	16.38	16.66	16.23	14.72	15.42	16.75	17.58	.....
20	18.63	17.39	17.06	15.98	16.40	16.71	16.21	14.74	15.49	16.83	17.74	.....
21	18.52	17.36	16.97	15.89	16.41	16.75	16.14	14.74	15.60	16.82	17.70	.....
22	18.40	17.31	17.00	15.85	16.44	16.78	16.07	14.73	15.65	16.84	17.69	.....
23	18.39	17.34	.....	15.79	16.42	16.81	15.95	14.70	15.65	16.90	17.69	.....
24	18.32	17.34	.....	15.70	16.32	16.88	15.75	14.74	15.70	16.85	17.80	.....
25	18.33	.....	.....	15.75	16.28	16.84	15.62	14.78	15.79	16.90	17.75	.....
26	.....	.....	.....	15.75	16.27	16.80	15.48	14.80	15.86	16.90	17.68	.....
27	.....	.....	.....	15.76	16.27	16.76	15.37	14.87	15.89	16.95	17.59	.....
28	.....	.....	16.96	15.76	16.26	16.77	15.12	14.86	15.89	16.96	17.45	.....
29	.....		16.94	15.76	16.19	16.75	15.03	14.78	15.89	16.94	17.52	.....
30	.....		16.95	15.77	16.16	16.70	14.95	14.80	15.94	17.03	17.53	.....
31	18.13		16.94		16.21		14.88	14.83		17.15		.....

Ware County

6. State of Georgia. Laura S. Walker State Park. Lat. 31°08'50", long. 82°13'02". Drilled domestic artesian well in Ocala limestone, diameter 6 inches, depth 600 feet. Land-surface datum is 205 feet above msl. Highest water level 52.32 below lsd, Mar. 12, 1942; lowest 58.11 below lsd, Dec. 5, 1953. Records available: 1941-43, 1945-46, 1949-53. No measurement made in 1955.

Wayne County

3. A. W. Hurn. Gardi. Lat. 31°32'13", long. 81°47'58". Drilled domestic artesian well in Ocala limestone, diameter 3 inches, depth 560 feet. Land-surface datum is 62 feet above msl. Highest water level 1.75 below lsd, May 18, 1939; lowest 17.11 below lsd, Dec. 2, 1955. Records available: 1939-43, 1945-55. June 9, 15.68; Dec. 2, 17.11.

10. Town of Screven. Lat. 31°29'09", long. 82°01'11". Drilled municipal artesian well in Ocala limestone, diameter 8 to 6 inches, depth 931 feet, cased to 572 feet. Land-surface datum is 123 feet above msl. Highest water level 55.43 below lsd, Dec. 8, 1947; lowest 68.38 below lsd, June 9, 1955. Records available: 1940-43, 1945-55. June 9, 68.38; Dec. 1, 66.46.

KENTUCKY

By E. A. Bell and R. W. Kellogg

Scope of Water-Level Program

The statewide observation-well program was continued in 1955 in cooperation with the Agricultural and Industrial Development Board of Kentucky. Of the 85 observation wells included in this report (see figs. 21 and 22), 34 have records of 10 years or more, 34 have records of 5 to 10 years, and 17 have records of less than 5 years. The water-level program is part of a comprehensive investigation of the ground-water resources of the State. The general program includes reconnaissance investigations of the availability of ground water for public, industrial agricultural, and domestic use in the State, collection of records of water levels in wells and of discharge of springs, and detailed investigations in selected areas. Water-Supply Paper 1257, "Geology and ground-water resources of the Paintsville area, Kentucky," by J. A. Baker, was published in 1955. A report on the Paducah area was released to the open file.

Precipitation

For the first year since 1951, total precipitation during 1955 was greater than normal. According to the U.S. Weather Bureau, the total precipitation for Kentucky during 1955 was 45.06 inches, 0.12 inch above the 1921-50 normal. Total precipitation at Louisville (Standiford Field station) was 45.55 inches, 4.08 inches above the 1921-50 normal.

Interpretation of Water-Level Fluctuations

Fluctuations of water levels measure changes in ground-water storage. Rising water levels indicate that more water is being recharged to than discharged from the aquifer; falling water levels indicate that more water is being discharged than recharged. Recharge to aquifers in Kentucky generally is from local precipitation and from infiltration of surface water. Discharge is chiefly to streams and springs, although some ground water is lost by evapotranspiration and, locally, water is pumped from wells. In Kentucky, in lightly pumped areas, water levels are generally highest in late winter and early spring and lowest in late summer and early fall. During the growing season, when little water reaches the ground-water body, soil moisture is depleted because rainfall which percolates through the soil is taken by vegetation and lost through evapotranspiration. When discharge to streams is greater than recharge from rainfall, water levels fall. After frost has halted the growth of most vegetation and the soil-moisture deficiency is satisfied, more water reaches the ground-water body. When recharge from precipitation exceeds discharge to streams, water levels rise. Other factors affecting water levels in Kentucky are changes in stages of nearby streams (especially during floods), changes in atmospheric pressure, and changes in the rate of pumping. In most aquifers, fresh water does not flow more than a few miles from its entrance to its point of discharge. Thus, changes in water level in a single observation well reflect changes in ground-water storage in a relatively small area. To determine changes in storage in broad areas, it is necessary to measure water levels in wells which penetrate different aquifers in various topographic situations. In the artesian aquifers of the Jackson Purchase region and in the deep saline aquifers elsewhere in the State, ground water may flow several tens of miles from the point of recharge to the point of discharge. Changes in water levels in wells in these aquifers may indicate changes in storage in a large area.

Figure 23 shows the hydrographs of five wells in Kentucky whose water-level fluctuations are typical of those in aquifers other than the Ohio Valley alluvium. Common to all five wells is the annual cycle of water-level fluctuation. Falling water levels during the growing season and rising water levels during late fall and winter indicate the changing balance between natural recharge and discharge in the aquifer. Johnson County well 8245-3745-404, a valley-bottom well in the Breathitt formation of the Eastern Coal Field region, is more or less typical of valley wells in that area. Minor fluctuations superposed on seasonal trends were probably due to local rainfall or to flooding of the nearby stream. Short-term effects of changes in atmospheric pressure, not readily apparent in the graph, may be seen on continuous recording charts. Christian County well 8725-3650-74, a water-table well in the Ste. Genevieve limestone in a valley bottom in the Mississippian Plateau region, is more or less typical of valley wells in the soluble limestones of the Meramec series which underlie about half the Mississippian Plateau region. These levels respond

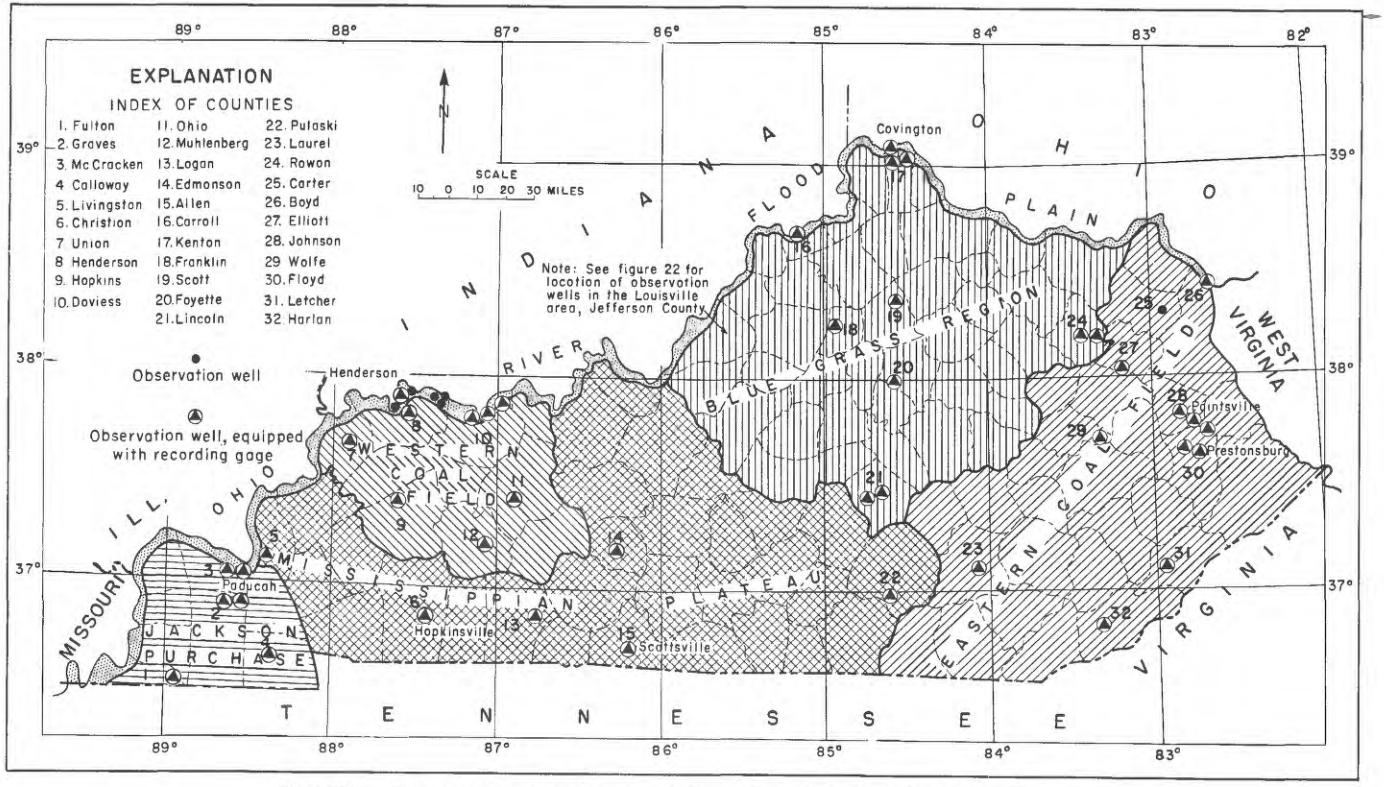


Figure 21.--Physiographic units and location of observation wells in Kentucky, 1955.

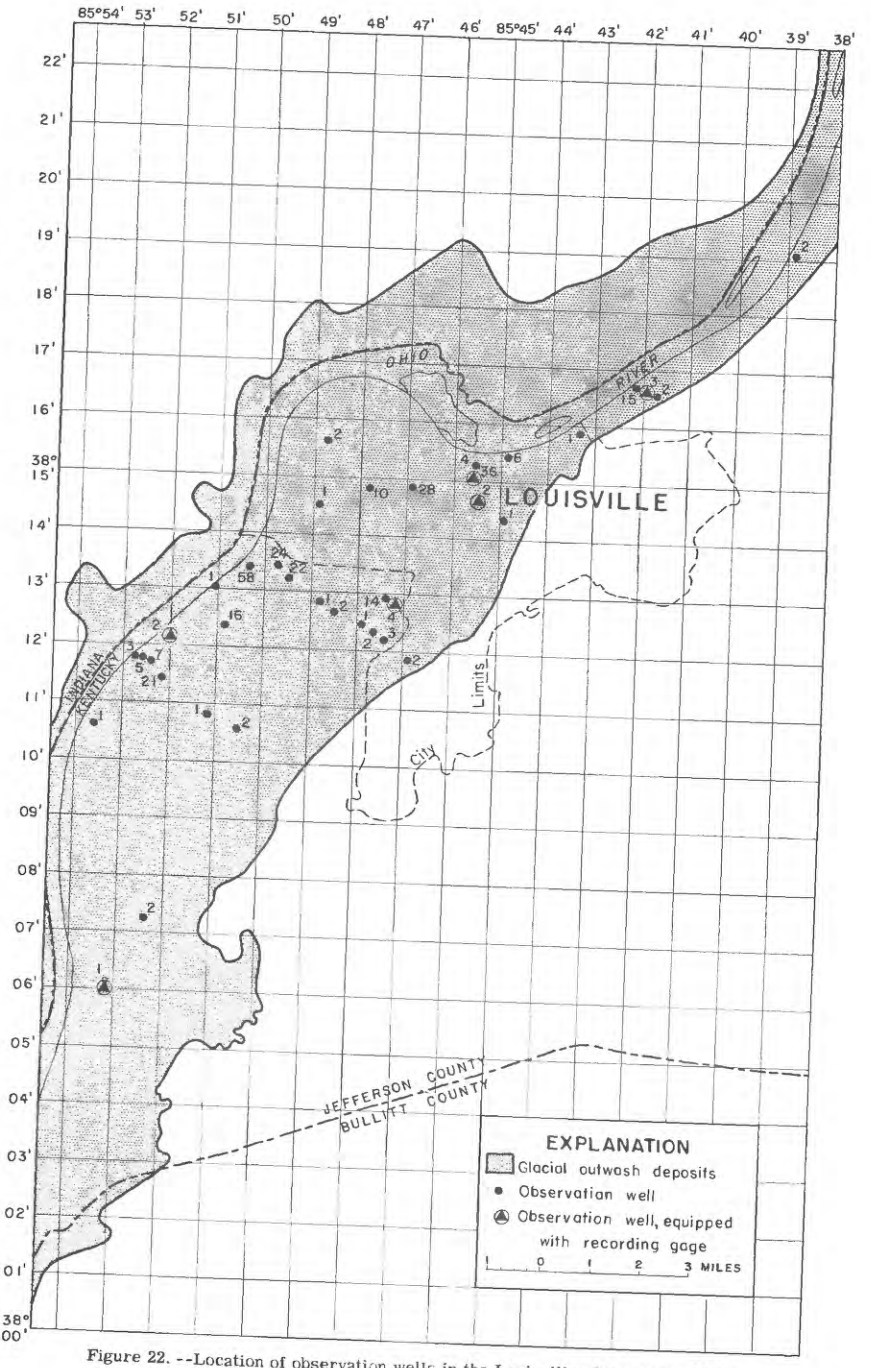


Figure 22. --Location of observation wells in the Louisville, Ky., area, 1955.

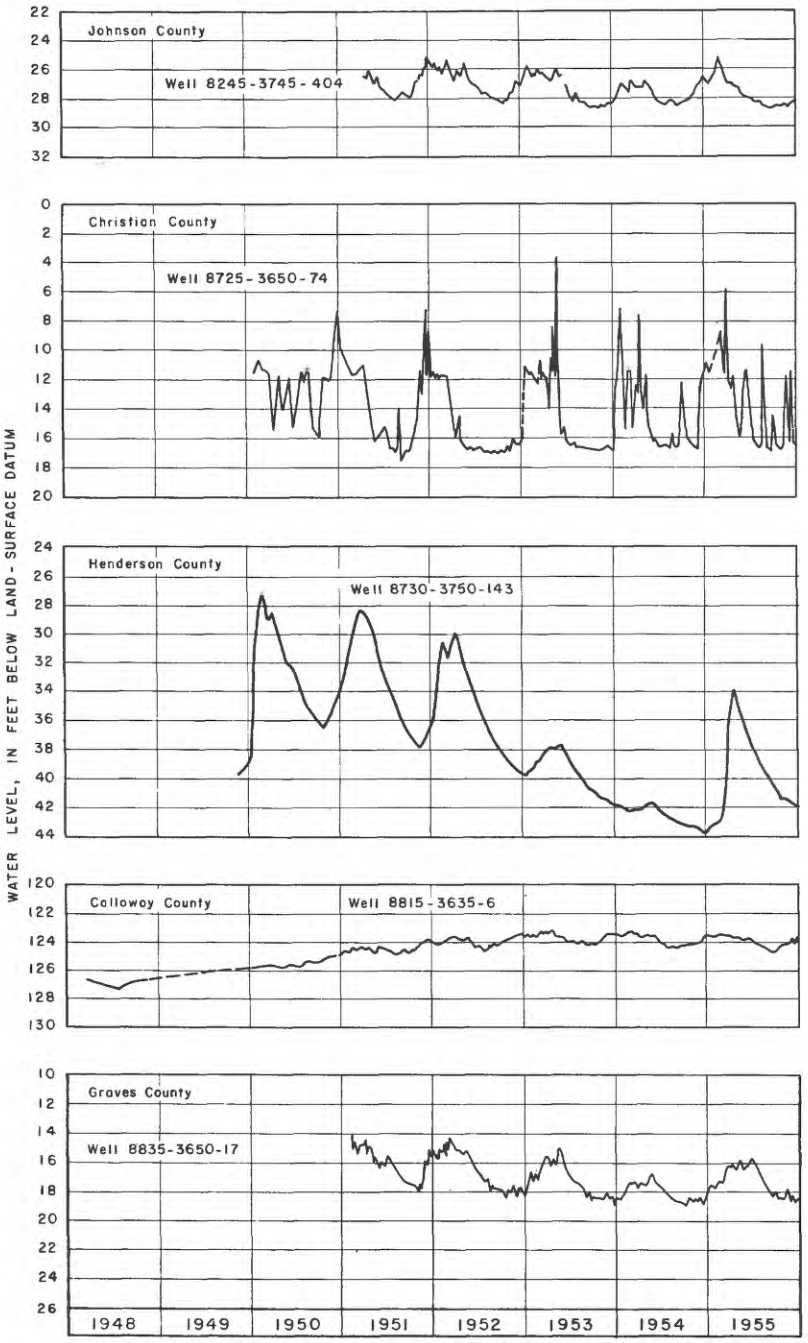


Figure 23. --Water levels in five wells representative of various areas in Kentucky.

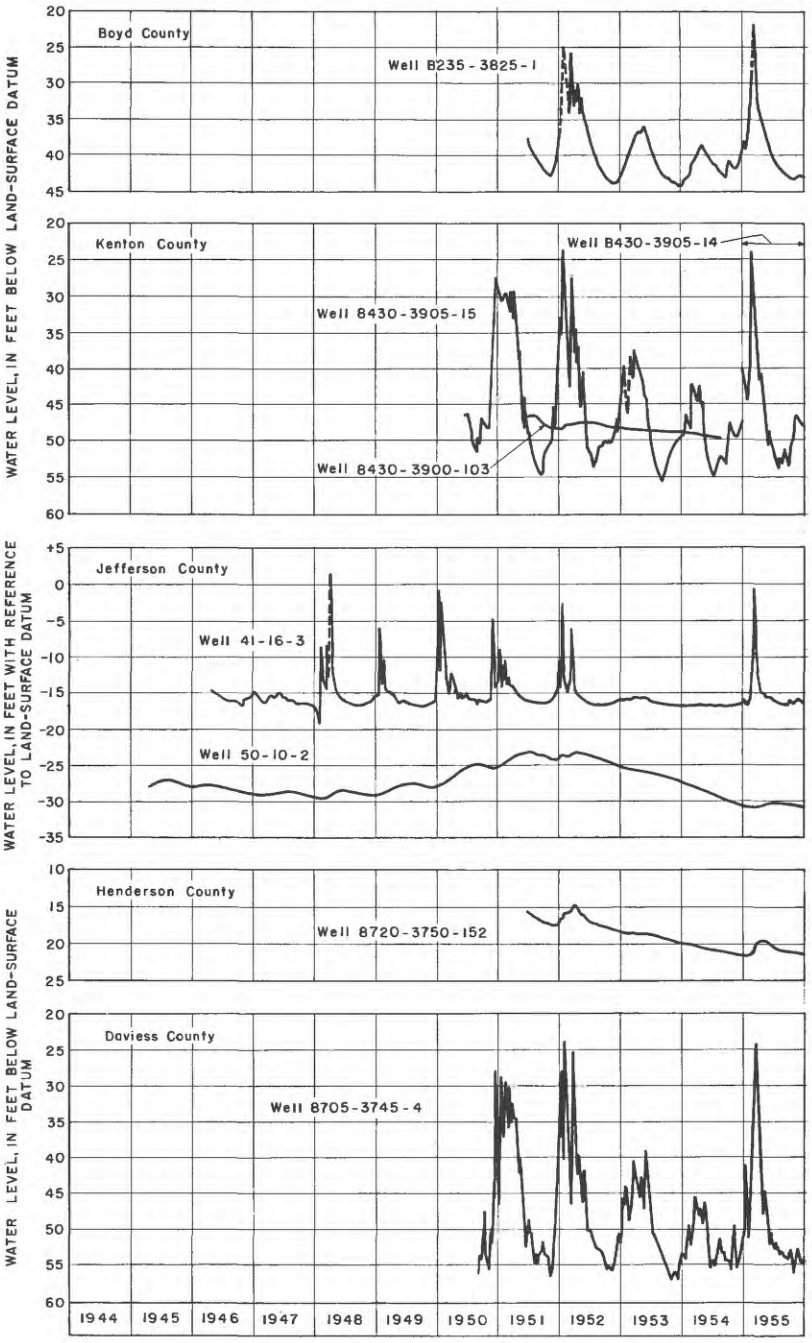


Figure 24. --Water levels in seven wells in the Ohio River flood plain, Kentucky.

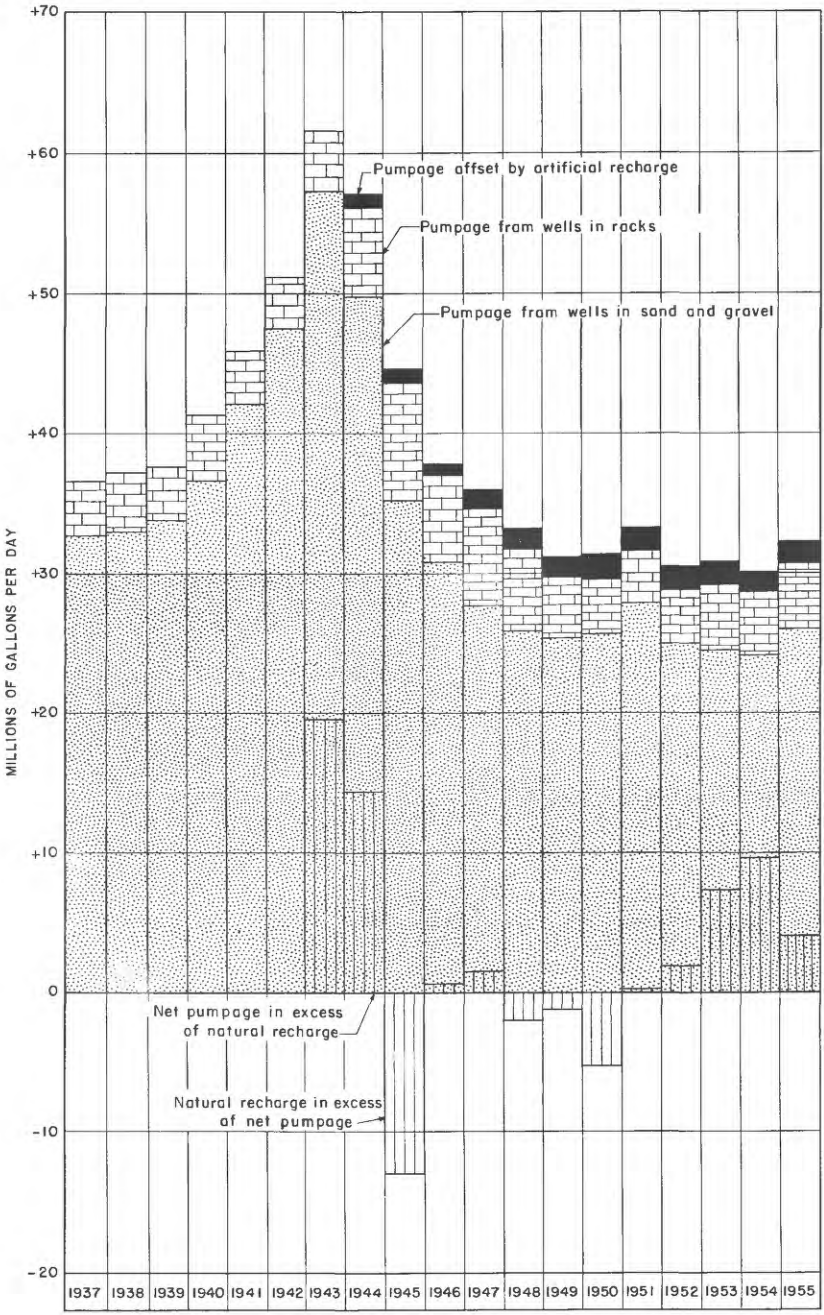


Figure 25.--Pumpage, 1937-55, and changes in storage, 1943-55, in the Louisville, Ky., area.

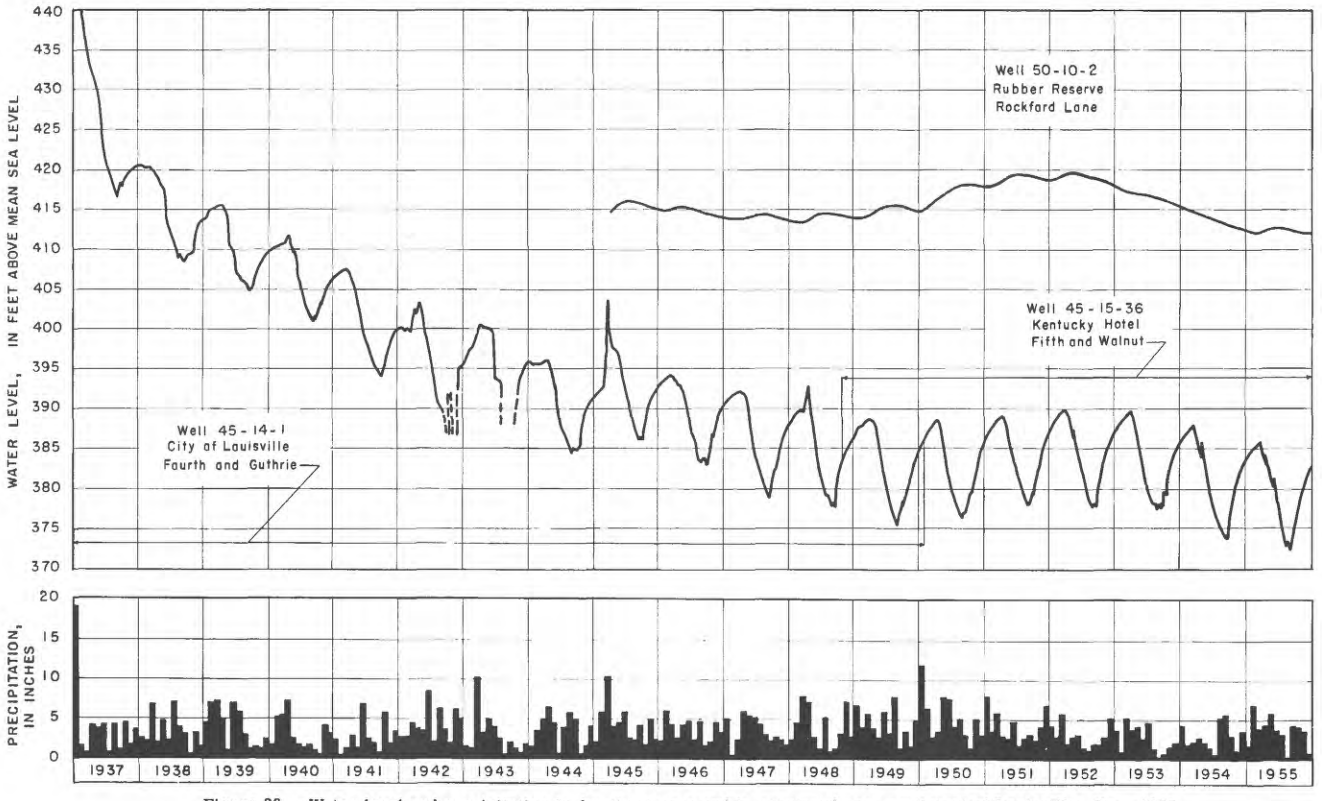


Figure 26.--Water level and precipitation in downtown area and in unpumped area southwest of Louisville, Ky., 1955.

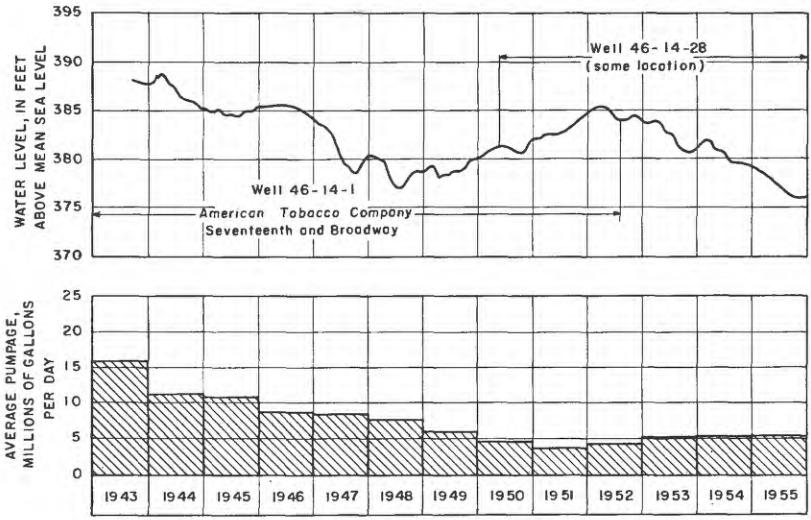


Figure 27. --Water level and pumpage in west-central part of Louisville, Ky., area, 1943-55.

rapidly to local rainfall,and numerous sinks in the region facilitate the downward movement of water. The low water levels during the fall and winter of 1952 and of 1953 were due to the drought. Except for short-term rises due to local rainfall, water levels during the years 1951 through 1955 were generally 5 to 10 feet higher in late winter than in late summer or fall. The coefficient of storage of the limestones in this area has been determined to be about 0.006. Thus, a seasonal fluctuation of water level of about 5 feet represents a change in storage of about 0.36 inch. Henderson County well 8730-3750-143, in an area of alluvial terraces along the Ohio River in the Western Coal Field region, is an artesian well in sandstone and shale of the Carbondale formation. It is probable that this formation has some degree of hydraulic connection with the overlying glacial sands and gravels. The cycle of seasonal water-level fluctuation lags behind those of Johnson County well 8245-3745-404 and Christian County well 8725-3650-74. The lag in time may indicate that the well is some distance from the area of recharge. Calloway County well 8815-3635-6 is an artesian well in sand of the Ripley formation, a major aquifer in the Jackson Purchase region. The long-term rise of the water level during the period 1948-53 may indicate an appreciable distance between the recharge area and the well or, it may be due to changes in the rate of pumping in nearby wells. Graves County well 8835-3650-17 is an artesian well in the Holly Springs sand, another major aquifer in the Jackson Purchase region. The pronounced seasonal fluctuations of water level, as shown by the graph, and prompt response to drought conditions suggest that the recharge area is closer to this well than the recharge area for Calloway County well 8815-3635-6.

Figure 24 shows the hydrographs of seven wells in the alluvium along the Ohio River from Ashland to Henderson. The wells in Kenton and Daviess Counties are affected by nearby pumping and those in Boyd, Jefferson, and Henderson Counties are in unpumped areas. Boyd County well 8235-3825-1, Kenton County wells 8430-3905-14 and -15, Jefferson County well 41-16-3, and Daviess County well 8705-3745-4 are near the Ohio River. Water-level fluctuations in these wells show the effects of changes in river stages. Kenton County well 8430-3900-103, Jefferson County well 50-10-2, and Henderson County well 8720-3750-152, which are not near the river, show principally the effects of precipitation. The high water levels during February and March 1955 in wells near the river show the effects of the first major river rise since the spring of 1952. In 1955, the halt of the steady decline of water levels in wells not near the river, which had reflected drought conditions in 1953 and 1954, shows the effects of normal or greater rainfall in the area.

Louisville area. --In the Louisville area, water levels responded to several influences during 1955. Greater than normal infiltration from the river was caused by a river rise in March 1955 to about 10 feet above flood stage. Natural recharge from greater than normal precipitation also affected water levels. However, those gains were more than offset by the effects of pumping; water levels in the area declined an average of about 1 foot during 1955. This decline represents an estimated net loss of storage of about 4.2 mgd (million gallons per day). In the Louisville area, total pumpage of ground water in 1955 was 32.3 mgd, 1.6 mgd of which

was returned through recharge wells. The net withdrawal of 30.7 mgd in 1955 was 1.8 mgd or 6 percent more than in 1954. Figure 25 shows a graph of pumpage since 1937 and changes in ground-water storage since 1943. Large withdrawals from storage in 1943 and 1944 were associated with peak wartime pumpage. In 1945, the gain in storage was caused primarily by the second highest flood of record of the Ohio River, which resulted in an abnormally large infiltration of river water; in 1950, the gain reflected the overall effects of the wettest year of record in the area. The accumulative loss of storage during the years 1952 through 1954 reflected drought conditions which prevailed in the area during that period. In the Louisville area, changes of water levels during 1955 ranged from a net rise of 1.2 feet in an observation well in the northeastern part of the city to a net decline of 7.1 feet in a well in the heavily pumped Rubbertown area.

Figure 26 shows the hydrographs of wells and precipitation in the downtown area of Louisville and in the unpumped area southwest of the city. The water-level fluctuation in well 50-10-2 is representative of wells in the unpumped area southwest of the city. The correlation of water levels in that area with precipitation is shown by the rise during the wet years 1950 and 1951 and the steady decline during the drought years 1952 through 1954. In the downtown area of Louisville (east of the meridian 85°46' and north of parallel 38°13'), water levels are affected by pumping for air conditioning. The water-level fluctuations in wells 45-14-1 and 45-15-36, which are typical of wells in the downtown area, clearly show seasonal cycles of drawdown during the warm months and recovery during the cool months.

In the west-central industrial area (west of meridian 85°46' and north of parallel 38°13'), water levels are affected chiefly by pumping for industrial cooling. Figure 27 shows the graph of two wells in the west-central part of Louisville and a graph of the pumpage since 1943. The water-level fluctuations in wells 46-14-1 and 46-14-28 are typical of wells in the area. The decline of the water level in well 46-14-28 during the past 3 years indicates that pumpage has exceeded recharge.

In the distillery area south of Louisville, water levels respond to pumping for industrial cooling and to recharge from precipitation. Figure 28 shows the graph of a well in the distillery area south of Louisville and a graph of the pumpage since 1937. Water-level fluctuations in well 47-12-1 are typical of wells in that area.

In the Rubbertown area, water levels are affected by pumping for industrial cooling, by recharge from precipitation, and by infiltration from the river. Figure 29 shows the hydrograph of a well in the Rubbertown area and a graph of the pumpage since 1942. Water-level fluctuations in well 49-13-24 are typical of those in the northern part of the Rubbertown area. For the sixth consecutive year, the Rubbertown area in 1955 sustained a net loss of ground-water storage, which indicates continued large use of ground water by industries. Pumpage in 1955 in the Rubbertown area was about 15 percent greater than in 1954.

Figure 30 is a map of the Louisville area showing contours of water level in December 1955. The general pattern of the contours is similar to that of 1954, except that the cones of depression have expanded. The contours indicate infiltration from the river, both northeast of the city and west of the Rubbertown area. In the southwestern part of the area, contours higher than 383 feet above mean sea level indicate flow toward the river. Figure 31 shows changes in water levels during the 7-year period December 1948 to December 1955. The shaded portion in Rubbertown indicates declines greater than 5 feet caused by continued heavy pumping. Gains of ground-water storage made during that period have been more than offset by losses of storage during the past 4 years.

Well-Numbering System

The State, except for the Louisville area, has been divided into quadrangles formed by the 5-minute meridians and parallels. Observation wells inventoried in each quadrangle are given numbers beginning with 1. Wells are designated by a composite of three numbers: the first indicates the degrees and minutes of longitude, the second the degrees and minutes of latitude, and the third the number of the well in that quadrangle. Thus, well 8235-3825-1 is the first well inventoried in the 5-minute quadrangle west of 82°35' longitude and north of 38°25' latitude.

In the Louisville area, between longitude 85°and 86° and latitude 38° and 39°, the quadrangles are bounded by 1-minute meridians and parallels. The well designation omits the degrees, using only minutes of longitude and latitude. Thus, well 50-10-2 is the second well inventoried in the 1-minute quadrangle west of 85°50' longitude and north of 38°10' latitude.

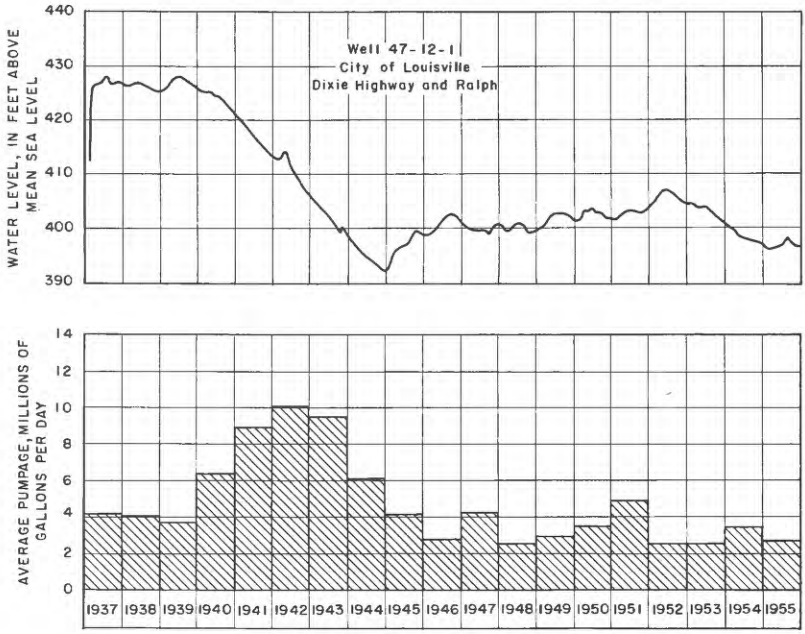


Figure 28. --Water levels in well 47-12-1 and pumpage in south distillery area, Louisville, Ky., 1937-55.

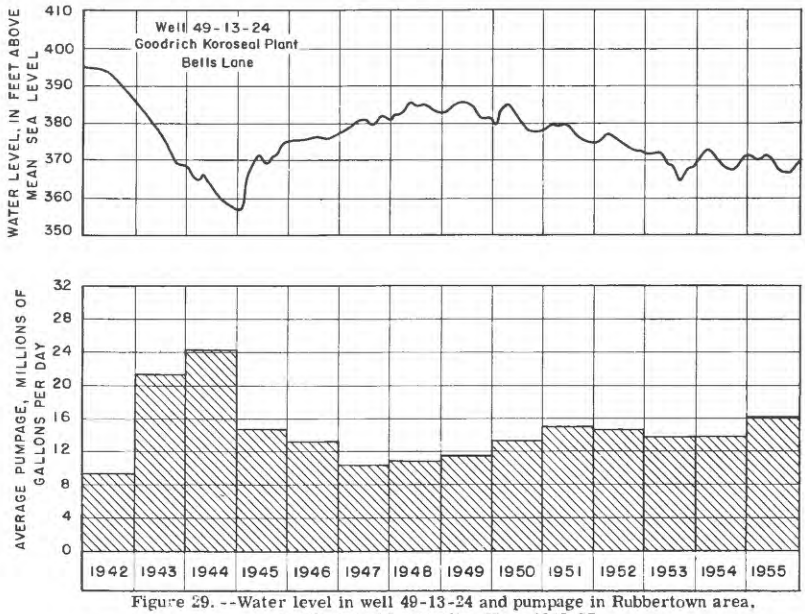


Figure 29. --Water level in well 49-13-24 and pumpage in Rubbertown area, southwest of Louisville, Ky., 1942-55.

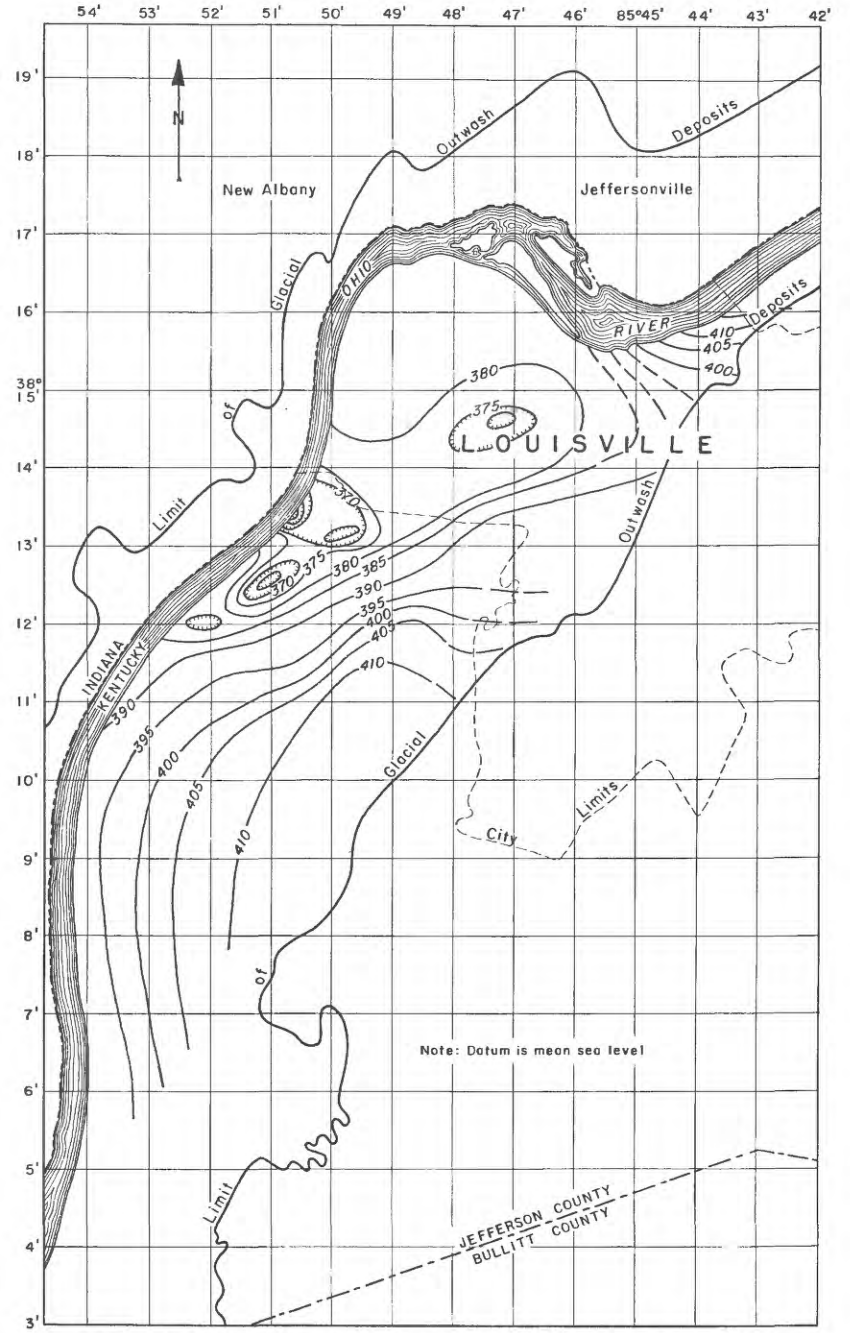


Figure 30. --Contours of water level in Louisville, Ky., area, December 1955.

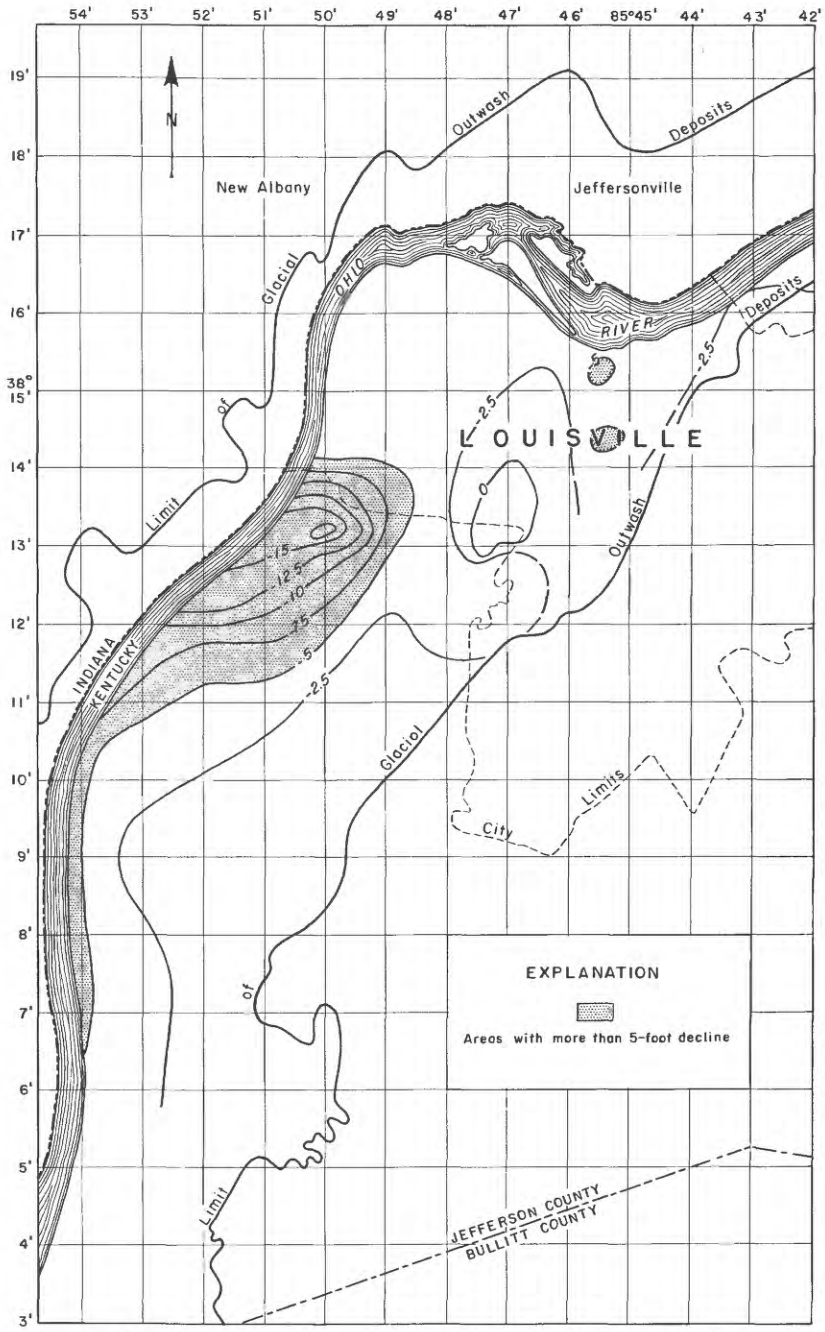


Figure 31. --Changes in water level in the Louisville, Ky., area, 1948-55.

Well-Descriptions and Water-Level Measurements

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

Allen County

8610-3640-5. C. Braley. Lat. 36°44', long. 86°11'. Drilled unused artesian well in limestone of Fort Payne chert, diameter 6 inches, depth 118 feet. Highest water level 17.35 below lsd, Mar. 23, 1952; lowest 28.36 below lsd, Sept. 20, 1954. Records available: 1951-55.

Daily noon water level from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	28.11	28.07	27.92	27.91	28.00	27.98	28.03	28.02
2	27.80	28.10	28.00	27.87	27.95	27.99	27.98	27.97	27.79
3	28.05	28.10	27.97	27.88	27.96	27.97	27.95	28.05	27.83
4	28.17	28.05	27.86	27.87	27.92	28.00	27.92	27.93	27.77
5	28.24	28.06	27.82	27.87	27.92	27.97	27.84	27.80	27.97
6	28.15	28.10	27.83	27.84	27.94	27.98	27.91	27.77	27.87
7	28.27	28.00	27.63	27.84	27.95	27.95	27.95	27.94	27.71
8	28.35	28.13	27.55	27.85	27.93	28.01	27.99	28.01	27.69
9	28.35	28.15	27.32	27.85	27.90	28.02	27.89	27.85	27.82
10	.....	28.12	27.32	27.86	27.91	27.99	27.84	27.68	28.04
11	.....	28.16	27.32	27.90	27.95	27.94	.....	27.87	28.04
12	.....	28.03	27.32	27.91	27.91	28.03	.....	28.07	27.93
13	.....	27.74	27.65	27.91	27.85	27.98	.....	28.06	27.89
14	.....	27.93	27.85	27.84	27.81	28.00	.....	27.98	27.85
15	.....	27.85	27.94	27.87	27.81	27.97	27.87	27.83	27.89
16	.....	27.45	27.94	27.86	27.91	27.95	27.88	27.90	27.90
17	.....	27.57	28.02	27.86	27.91	28.00	.....	28.21	27.80
18	.....	27.73	28.03	27.90	27.95	27.97	27.94	28.06	27.80
19	.....	27.78	28.03	27.91	27.96	27.87	28.04	27.86	28.07
20	.....	27.80	28.06	27.92	27.94	27.89	.....	28.03	27.93
21	.....	27.65	28.13	27.90	27.95	28.00	.....	27.90	27.87
22	.....	27.34	28.14	27.89	27.91	28.03	.....	27.86	27.74
23	.....	.....	28.16	27.95	.....	27.96	.....	27.87	27.69
24	.....	27.35	28.17	27.91	.....	28.03	.....	28.08	27.85
25	.....	27.67	28.18	27.91	.....	28.02	.....	27.87	27.99
26	.....	27.80	28.14	27.94	.....	27.92	.....	27.93	28.05
27	.....	27.95	28.22	27.92	.....	27.89	27.93	27.82	28.03
28	28.03	27.87	28.27	27.96	.....	27.87	27.77	27.99	28.02
29	28.17	27.82	28.29	27.96	.....	27.84	27.80	28.03	27.94
30	28.20	27.93	27.92	27.92	.....	27.85	27.88	28.17	27.96
31		28.07		27.91	28.01		28.07		27.94

* No record for January, February, and March.

Boyd County

8235-3825-1. City of Ashland. 40th St. and U. S. Highway 23 and 60, Ashland. Lat. 38°27', long. 82°36'. Drilled unused water-table well in sand and gravel, diameter 6 inches, depth 58 feet, reported cased to 62. Highest water level 21.53 below lsd, Mar. 25, 1955; lowest 44.13 below lsd, Jan. 12-13, 1954. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	34.32	28.75	.....	37.50	.....	41.32	42.27	42.96	43.46	43.05
2	.....	h39.47	33.35	29.75	.....	37.57	.....	h41.34	42.28	42.96	43.56	43.02
3	39.46	39.60	32.21	30.75	.....	37.65	.....	41.37	42.29	42.97	43.54	43.05
4	39.00	39.61	31.43	31.38	.....	37.74	.....	41.41	42.33	42.99	43.48	43.05
5	38.80	39.50	31.10	31.55	34.10	37.82	39.89	41.46	42.36	43.01	43.49	43.10
6	38.63	39.45	30.25	31.87	34.46	37.90	39.44	41.48	42.36	43.04	43.48	43.09
7	38.79	39.49	28.85	32.25	34.56	37.98	40.00	41.50	42.39	43.09	43.54	43.02
8	38.44	39.06	.....	32.61	34.83	38.05	40.07	41.57	42.44	43.14	43.54	43.02
9	38.30	38.32	.....	32.82	35.06	38.20	40.15	41.61	42.46	43.13	43.52	43.03
10	38.31	37.78	.....	33.00	35.14	38.23	40.16	41.63	42.47	43.13	43.50	43.04
11	38.20	37.77	.....	33.13	35.37	38.31	40.25	41.64	42.47	43.14	43.54	43.02
12	38.20	37.79	.....	33.41	35.50	38.33	40.32	41.67	42.56	43.15	43.58	43.02
13	38.16	37.75	.....	33.60	35.58	38.54	40.38	41.79	42.56	43.17	43.57	43.02
14	38.30	37.46	.....	33.79	35.76	38.64	40.40	41.80	42.57	43.18	43.56	43.02
15	38.18	37.51	.....	33.95	35.88	38.73	40.45	41.80	42.57	43.21	43.50	43.02

8235-3825-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	38.34	37.51	.....	33.78	35.78	38.75	40.54	41.83	42.61	43.21	43.52	43.04
17	38.45	37.67	.....	33.66	35.78	38.82	40.59	41.87	42.64	43.21	43.66	43.02
18	38.54	37.59	.....	33.41	35.89	38.83	40.64	41.90	42.63	43.28	43.59	43.03
19	38.62	37.43	.....	33.65	36.11	38.93	40.71	41.96	42.63	43.34	43.47	43.11
20	38.77	37.34	.....	33.75	36.17	39.01	40.76	41.96	42.65	43.35	43.47	43.09
21	38.76	37.32	.....	33.85	36.31	39.07	40.77	41.99	42.73	43.34	43.42	43.04
22	38.81	37.24	.....	33.91	36.41	39.14	40.84	42.00	42.64	43.37	43.13	42.99
23	38.95	37.30	.....	34.00	36.57	39.22	40.87	42.06	42.74	43.37	43.05	43.04
24	39.01	36.96	h22.56	33.87	36.64	39.27	40.72	42.07	42.78	43.35	43.06	43.07
25	39.07	36.66	21.88	34.10	36.78	39.29	41.01	42.12	42.82	43.40	43.03	43.16
26	39.16	36.20	21.96	34.14	36.92	39.41	41.05	42.15	42.82	43.38	43.02	43.15
27	39.24	35.62	22.80	.....	36.99	.....	41.08	42.16	42.81	43.43	43.02	43.15
28	39.23	35.25	23.46	.....	37.08	.....	41.12	42.18	42.87	43.42	43.03	43.13
29	39.31		24.88	.....	37.15	.....	41.16	42.18	42.84	43.41	43.03	43.13
30	.....		26.36	.....	37.31	.....	41.22	42.19	42.91	43.43	43.07	43.15
31	.....		27.65		37.43		41.24	42.26		43.48		43.12

h Tape measurement.

Calloway County

8815-3635-6. Joe Parks. 15th and Main Sts., Murray. Drilled unused artesian well in sand of Ripley formation, diameter 12 inches, depth 345 feet, screens 290-328, 330-344. Land-surface datum is 548.97 feet above msl. Highest water level 123.23 below lsd, Mar. 3, 1953, Feb. 27, 1954; lowest 127.30 below lsd, Aug. 5, 1948. Records available: 1948-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	123.47	123.57	123.51	123.71	123.80	123.90	124.11	124.25	124.54	124.58	124.03	124.10
2	123.57	123.65	123.61	123.59	123.80	123.93	124.15	124.36	124.52	124.53	124.01	123.99
3	123.61	123.81	123.58	123.61	123.87	123.93	124.15	124.38	124.49	124.51	124.10	123.95
4	123.65	123.82	123.58	123.59	123.94	123.85	124.09	124.46	124.46	124.53	124.14	123.92
5	123.63	123.63	123.57	123.64	123.97	123.80	124.07	124.49	124.41	124.48	124.07	123.92
6	123.72	123.44	123.57	123.68	123.97	123.71	124.10	124.50	124.43	124.48	124.00	123.97
7	123.80	123.50	123.59	123.80	123.93	123.71	124.07	124.42	124.48	124.52	124.04	123.90
8	123.75	123.55	123.62	123.85	123.93	123.73	124.11	124.31	124.54	124.55	124.12	.....
9	123.71	123.57	123.63	123.86	123.92	123.76	124.13	124.36	124.63	124.47	124.11	.....
10	123.59	123.53	123.57	123.77	123.98	123.68	124.11	124.36	124.68	124.48	124.01	.....
11	123.67	123.64	123.60	123.59	124.00	123.65	124.09	124.39	124.67	124.46	124.04	.....
12	123.61	123.76	123.55	123.63	123.92	123.66	124.26	124.34	124.62	124.38	124.06	.....
13	123.69	123.72	123.62	123.52	123.81	123.70	124.42	124.36	124.67	124.31	124.05	124.07
14	123.66	123.63	123.52	123.58	123.84	123.80	124.40	124.37	124.69	124.26	123.99	124.11
15	123.67	123.67	123.53	123.63	123.77	123.84	124.24	124.33	124.70	124.26	124.00	124.16
16	123.62	123.58	123.57	123.60	123.74	123.89	124.27	124.35	124.68	124.18	124.03	124.23
17	123.58	123.70	123.63	123.63	123.79	123.94	124.19	124.33	124.75	124.11	124.18	124.11
18	123.60	123.66	123.60	123.60	123.84	123.97	124.18	124.33	124.68	124.17	124.15	124.02
19	123.71	123.65	123.55	123.67	123.87	123.93	124.25	124.41	124.62	124.23	124.07	124.04
20	123.76	123.57	123.50	123.72	123.87	123.92	124.25	124.41	124.69	124.28	124.04	124.07
21	123.61	123.51	123.32	123.67	123.78	124.01	124.20	124.40	124.73	124.30	124.02	124.04
22	123.64	123.61	123.44	123.64	123.69	124.05	124.16	124.32	124.73	124.29	123.99	123.93
23	123.61	123.71	123.54	123.45	123.76	124.02	124.17	124.41	124.71	124.19	124.04	123.76
24	123.51	123.71	123.60	123.36	123.72	124.04	124.13	124.43	124.68	124.29	124.06	123.78
25	123.66	123.73	123.49	123.46	123.84	123.92	124.06	124.49	124.62	124.23	123.95	123.86
26	123.68	123.64	123.65	123.39	123.88	123.94	124.16	124.48	124.63	124.22	123.93	123.82
27	123.74	123.55	123.65	123.62	123.87	123.98	124.21	124.47	124.64	124.19	123.81	123.85
28	123.67	123.47	123.59	123.67	123.82	124.05	124.22	124.43	124.65	124.05	123.90	123.84
29	123.63		123.70	123.81	123.81	124.08	124.23	124.38	124.61	124.03	124.02	123.90
30	123.68		123.75	123.83	123.75	124.11	124.26	124.47	124.55	123.96	124.17	123.94
31	123.60		123.72		123.84		124.24	124.52		124.03		123.86

Carroll County

8510-3840-7. Schenley Distillers, Inc. Second and Seminary Sts., Carrollton. Lat. 38°40', long. 85°11'. Drilled unused water-table well in sand and gravel, diameter 8 inches, depth 110 feet, screen 96-110. Land-surface datum is about 550 feet above msl. Highest water level 9.0 below lsd, Mar. 10, 1955; lowest 37.33 below lsd, Jan. 12, 1954. Records available: 1951-55.

8510-3840-7--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.20	.....	e19.8	20.80	25.10	33.78	35.28	35.85	36.44	36.71	36.59	35.21
2	e29.80	.....	e18.8	22.50	25.15	33.93	35.37	36.00	36.49	36.73	36.49	35.24
3	.....	.....	e17.6	24.07	25.73	34.14	35.51	36.05	36.57	36.79	36.28	35.10
4	h27.37	.....	e16.1	25.49	26.78	34.28	35.36	36.08	36.64	36.74	36.14	34.97
5	.....	.....	e14.8	26.45	27.92	34.33	35.47	36.07	36.64	36.71	36.15	34.87
6	.....	.....	e13.3	27.05	29.60	34.40	35.53	36.13	36.47	36.71	36.34	34.85
7	.....	.....	e12.2	27.58	30.43	34.40	35.63	36.13	36.56	35.98	36.37	34.75
8	.....	h29.61	e10.9	28.28	31.31	34.38	35.23	36.15	36.62	35.77	36.41	34.74
9	.....	28.10	e10.1	28.80	32.11	34.38	34.85	36.19	36.67	36.13	36.50	34.73
10	.....	26.01	e9.3	29.68	32.32	34.00	34.47	36.18	36.60	36.32	36.38	34.68
11	.....	24.79	e9.3	29.80	32.51	33.82	34.10	36.12	36.66	36.36	36.50	34.69
12	.....	24.93	e9.4	29.73	32.70	33.50	34.12	35.89	36.77	36.42	36.60	35.42
13	.....	25.61	e10.7	29.73	32.66	33.47	34.28	35.84	36.76	36.39	36.58	35.49
14	.....	26.52	e11.4	30.04	32.00	33.59	34.74	36.02	36.71	36.41	36.61	35.53
15	.....	27.31	e12.2	30.28	31.67	33.60	34.98	35.98	36.72	36.50	36.33	35.65
16	.....	.....	e12.7	30.09	31.42	33.50	35.23	35.98	36.79	36.50	36.13	35.77
17	.....	.....	12.80	29.20	30.64	33.40	35.42	35.90	36.80	36.48	35.77	35.86
18	.....	.....	13.06	28.00	30.08	33.36	35.38	35.92	36.77	36.50	35.30	35.92
19	.....	.....	13.20	27.36	30.16	34.04	35.27	36.08	36.71	36.43	35.18	36.09
20	.....	.....	13.24	27.45	31.01	34.28	35.38	36.14	36.80	36.25	35.15	36.16
21	.....	.....	13.00	28.10	32.40	34.36	35.60	.....	36.81	36.25	34.85	36.24
22	.....	.....	12.05	28.61	32.85	34.80	35.67	.....	36.70	36.39	34.43	36.12
23	.....	.....	11.48	28.74	32.71	34.80	35.81	.....	36.70	36.28	34.21	36.17
24	.....	.....	11.65	28.18	33.15	34.72	35.64	.....	36.79	36.39	33.90	36.29
25	.....	.....	11.89	27.60	32.94	34.90	35.82	.....	36.68	36.49	33.78	36.40
26	.....	.....	12.41	27.40	33.08	34.90	35.63	.....	36.76	36.50	34.09	36.41
27	.....	.....	12.92	27.22	33.20	34.99	35.87	.....	36.76	36.51	34.31	36.32
28	.....	.....	14.05	26.84	33.20	35.13	35.75	.....	36.77	36.28	34.44	36.09
29	.....		15.50	26.31	33.12	35.12	35.49	.....	36.77	36.39	34.45	35.99
30	.....		17.21	25.62	33.19	35.26	35.80	.....	36.54	36.46	34.80	36.12
31	.....		19.01		33.41		35.90	.....		36.54		36.16

e Estimated.
h Tape measurement.

Carter County

8255-3815-8. J. E. Newland. Lat. 38°19', long. 82°57'. Drilled unused water-table well in limestone of Mississippian age, diameter 10 inches, depth 109 feet. Highest water level 8.50 below lsd, Feb. 4, 1952; lowest 14.21 below lsd, Dec. 18, 1953. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	10.22	May 5	10.20	Aug. 2	10.38	Oct. 25	10.85
Feb. 2	9.95	26	10.45	30	10.64	Nov. 22	10.25
24	9.75	July 5	10.82	Sept. 27	11.43	Dec. 20	10.62
Mar. 23	9.27						

Christian County

8725-3650-74. Western Kentucky State Hospital. Lat. 36°51', long. 87°27'. Drilled unused water-table well in Ste. Genevieve limestone, diameter 8 inches, depth 85 feet. Highest water level 3.62 below lsd, May 17, 1953; lowest 17.70 below lsd, Sept. 21, 1951. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.28	.....	8.88	12.10	15.05	12.50	15.00	16.68	16.72	14.60	16.80	16.33
2	11.52	.....	10.00	11.90	15.30	13.00	15.50	16.69	16.72	16.04	15.68	15.85
3	11.68	.....	10.67	12.25	15.50	13.60	15.70	16.70	16.73	16.45	14.55	16.08
4	11.79	.....	11.05	12.48	15.60	14.20	15.80	16.72	16.72	16.59	15.81	11.53
5	11.85	.....	11.30	12.76	15.65	14.87	15.87	16.72	16.72	16.69	16.25	11.86
6	11.95	.....	11.47	12.10	15.70	15.50	16.10	16.73	16.72	16.78	16.44	11.96
7	12.02	.....	11.60	12.26	15.84	11.15	16.19	11.42	16.72	14.75	16.57	12.17
8	11.90	.....	11.70	12.50	15.70	11.18	16.26	16.58	16.71	16.14	16.60	12.74
9	11.63	.....	11.77	12.70	15.96	11.34	16.37	16.70	16.70	16.51	16.68	13.40
10	.....	.....	11.83	12.85	16.07	11.40	16.41	16.70	16.72	16.62	16.70	14.01

8725-3650-74--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	.....	.....	11.90	11.00	12.82	11.40	16.38	11.30	16.72	16.68	16.73	14.64
12	.....	.....	11.70	11.15	15.40	11.42	16.40	12.62	16.77	12.39	16.79	15.20
13	.....	.....	11.77	10.60	13.80	11.53	16.42	13.78	16.78	12.13	16.79	15.70
14	.....	.....	11.82	10.90	12.83	11.66	16.40	14.80	16.80	13.62	16.70	15.92
15	.....	.....	11.85	11.10	13.50	11.81	16.45	15.90	16.82	15.00	16.70	16.09
16	.....	.....	11.70	11.33	13.80	11.92	16.47	9.60	16.82	15.88	12.01	16.17
17	.....	.....	11.60	11.52	14.40	12.08	16.50	12.00	16.82	16.28	13.70	16.20
18	.....	.....	11.10	11.70	15.00	12.40	16.50	12.73	16.81	16.48	14.64	16.23
19	.....	.....	11.10	11.82	15.55	12.90	16.60	13.68	16.82	16.56	11.90	16.40
20	.....	.....	10.40	11.95	15.80	13.35	16.56	14.16	16.89	16.59	12.49	16.50
21	.....	.....	6.30	12.00	13.00	13.90	16.52	15.58	16.89	16.62	13.09	16.55
22	.....	.....	8.10	12.10	11.50	14.35	16.50	15.80	16.88	16.68	13.95	16.56
23	.....	.....	9.50	12.20	11.74	14.80	16.52	16.13	16.88	16.70	12.90	16.57
24	.....	.....	10.30	12.35	11.78	15.40	16.53	.....	16.75	16.71	14.34	16.59
25	.....	.....	10.83	12.80	11.89	11.50	16.53	16.50	16.78	16.74	14.40	16.56
26	.....	.....	11.25	13.15	12.00	12.20	16.57	16.58	16.76	16.73	15.05	16.64
27	.....	.....	11.50	13.55	12.00	12.70	16.59	16.62	16.88	16.75	15.45	16.67
28	.....	.....	11.68	13.95	12.60	13.20	16.64	16.64	16.84	16.78	15.81	16.68
29	.....		11.80	14.26	11.85	13.80	16.68	16.72	16.82	16.78	15.91	16.68
30	.....		11.90	14.68	11.97	14.40	16.68	16.71	12.70	16.80	16.20	16.64
31	.....		12.00		12.14		16.69	16.72		16.81		16.66

Daviess County

8705-3745-4. Fleischmann Distilling Corp. Lat. 37°47', long. 87°08'. Drilled unused artesian and water-table well in alluvium of Pleistocene and Recent age, diameter 12 inches, depth 118 feet, screen at 85-105. Land-surface datum is 403.35 feet above msl. Highest water level 23.47 below lsd, Feb. 8, 1952; lowest 57.19 below lsd, Oct. 15, 1953. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.63	51.71	34.76	28.45	44.77	50.03	52.11	52.75	53.75	54.31	56.07	52.90
2	50.16	52.18	33.46	29.89	44.43	50.15	52.21	52.88	53.84	54.28	56.25	52.98
3	49.47	52.55	32.02	31.90	44.01	50.35	52.33	52.98	53.89	54.26	56.14	.....
4	48.48	52.39	30.43	33.30	43.63	50.53	52.42	53.07	53.92	54.30	55.83	53.55
5	46.95	52.50	29.58	35.43	43.50	50.72	52.48	53.16	53.96	54.35	55.77	.....
6	45.33	52.42	28.48	37.50	43.62	50.91	52.49	53.26	54.01	54.40	55.53	.....
7	43.67	51.88	27.30	39.41	43.89	51.11	52.56	53.34	54.02	54.34	55.35	e53.67
8	42.80	51.42	26.70	40.74	44.38	51.27	52.62	53.38	54.05	54.08	55.67	e53.56
9	41.93	50.47	26.11	42.24	45.10	51.32	52.60	53.41	54.10	53.58	55.93	53.40
10	41.35	49.04	25.53	43.38	46.01	51.27	52.43	53.43	54.16	53.30	56.00	53.51
11	41.52	46.93	24.62	44.09	46.94	51.18	52.18	53.47	54.21	53.31	55.84	53.41
12	41.78	45.01	24.46	45.17	47.63	51.01	51.87	53.42	54.22	53.40	55.97	e53.20
13	42.20	42.73	24.14	46.04	48.16	50.81	51.56	53.29	54.25	53.52	55.95	53.43
14	42.29	40.84	23.72	46.56	48.59	50.60	51.29	53.24	54.26	53.64	55.90	53.78
15	42.96	40.20	23.92	46.69	48.70	50.48	51.22	53.16	54.28	53.70	56.19	54.00
16	43.51	40.19	24.23	47.18	48.61	50.38	51.34	53.09	54.29	53.77	56.47	54.07
17	43.92	40.70	24.65	47.48	48.44	50.32	51.53	53.05	54.30	53.79	56.22	54.38
18	44.81	41.08	24.69	47.50	48.30	50.30	51.74	53.05	54.31	e53.80	55.72	54.51
19	45.61	41.88	25.35	47.70	48.13	50.28	51.92	53.10	54.27	53.87	55.44	54.51
20	46.44	42.37	25.68	47.75	47.89	50.40	51.95	53.16	54.25	53.93	54.85	54.85
21	46.82	42.49	25.59	47.52	47.69	50.66	51.92	53.21	54.27	53.92	54.16	55.21
22	47.70	42.63	25.87	47.11	47.73	50.91	52.03	53.19	54.31	54.26	54.01	55.23
23	48.47	42.11	26.09	47.01	48.08	51.13	52.19	53.18	54.29	54.50	53.85	55.20
24	48.91	40.90	26.04	46.91	48.42	51.34	52.33	53.16	54.26	54.52	53.50	55.38
25	49.54	39.41	25.53	46.56	48.78	51.52	52.45	53.17	54.27	54.95	52.95	55.43
26	50.05	38.65	25.79	46.23	49.08	51.67	52.50	53.19	54.21	55.55	52.75	55.22
27	50.49	37.66	25.80	45.85	49.29	51.80	52.57	53.27	54.36	55.72	52.32	55.07
28	50.49	36.17	25.63	45.50	49.45	51.88	52.64	53.35	54.41	55.75	52.01	55.16
29	50.86		26.16	45.22	49.62	51.94	52.68	53.43	54.40	56.07	52.38	55.08
30	51.14		26.82	45.03	49.76	52.04	52.63	53.52	54.40	55.98	52.80	54.83
31	51.22		27.67		49.88		52.65	53.63		55.82		54.80

e Estimated.

8705-3745-11. Owensboro Municipal Utilities. 1531 East Fourth St., Owensboro. Drilled unused artesian and water-table well in alluvium of Pleistocene and Recent age, diameter 12 inches, depth 104 feet. Highest water level 26.0 below lsd, Feb. 8, 1952; lowest 55.72 below lsd, July 29, 1952. Records available: 1951-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	50.42	e50.80	36.47	37.28	45.62	49.95	49.02	49.67	52.30	49.35	49.29	48.93
2	47.99	51.88	35.60	38.37	45.46	48.78	49.40	53.30	51.02	47.43	49.43	48.83
3	46.48	51.79	34.92	38.28	46.54	52.54	47.51	53.18	50.66	47.43	49.41	48.18
4	44.75	52.20	34.10	38.83	47.51	49.93	47.30	52.60	49.30	49.66	49.90	47.76
5	43.81	51.20	32.60	43.96	48.37	46.04	47.23	53.72	49.25	49.29	49.32	48.54
6	43.13	50.70	29.57	46.17	49.76	45.90	49.74	51.77	49.49	49.60	48.78	48.45
7	40.84	51.01	29.49	47.54	49.72	48.54	49.66	49.68	50.29	49.75	48.69	48.49
8	40.70	48.85	31.35	48.89	48.65	48.33	50.40	49.76	51.24	49.43	50.51	48.70
9	41.61	47.11	31.35	49.80	48.63	48.78	50.56	51.30	52.19	47.96	50.31	49.35
10	41.10	44.06	31.13	47.51	48.94	46.98	48.75	51.99	50.54	47.96	49.95	49.28
11	43.85	42.50	31.03	46.86	49.26	46.74	48.75	51.59	48.84	49.11	49.89	48.14
12	43.58	41.50	29.64	50.15	50.04	45.92	53.10	51.82	48.83	48.78	52.69	48.02
13	45.25	39.85	28.13	49.92	49.70	45.85	53.80	50.62	49.48	48.71	48.03	48.26
14	45.17	40.83	28.11	50.78	48.93	50.74	51.35	49.22	50.13	48.74	48.00	48.54
15	46.72	41.68	31.53	51.58	48.70	49.75	50.10	49.08	.....	48.79	49.99	48.46
16	47.15	43.04	31.59	50.17	48.84	49.83	52.23	50.89	51.30	46.88	49.91	51.04
17	46.76	45.62	32.24	49.50	51.71	50.09	48.66	50.54	50.70	47.08	50.98	47.79
18	49.31	45.69	32.42	48.48	51.05	50.26	48.51	51.07	48.64	49.31	49.24	47.18
19	50.45	46.16	31.55	51.80	50.93	47.40	52.82	51.85	48.72	49.73	49.24	47.18
20	51.50	46.10	29.50	50.65	51.59	47.42	52.99	51.00	51.21	50.10	49.28	51.60
21	50.83	45.26	29.44	49.92	49.94	49.71	53.08	49.60	50.98	50.08	49.30	48.83
22	50.80	44.81	32.26	49.80	48.90	49.00	50.22	49.52	50.87	49.51	50.63	48.65
23	49.30	42.35	32.76	49.58	48.86	52.07	50.65	51.95	50.45	47.64	50.46	48.12
24	48.86	41.85	32.52	47.12	50.82	51.10	48.38	51.01	49.88	47.48	48.80	47.44
25	50.54	41.08	31.98	46.77	50.88	47.47	48.38	51.76	48.69	49.78	48.67	47.32
26	50.83	40.24	31.13	48.37	51.61	46.66	51.99	51.90	48.69	49.86	49.17	47.31
27	51.30	37.45	30.13	49.23	51.40	46.48	51.37	50.97	49.23	49.99	48.94	47.31
28	51.05	37.18	31.12	48.70	48.13	48.22	52.06	49.56	49.83	50.33	49.22	47.99
29	51.32		33.85	48.72	48.35	48.80	51.69	49.74	49.71	48.68	49.76	49.00
30	50.68		34.07	47.59	48.86	48.67	51.61	53.03	49.83	47.95	49.77	48.39
31	50.35		35.07		49.42		49.67	52.23		47.92		47.48

e Estimated.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.02	51.88	37.16	38.42	47.59	51.48	49.65	54.50	52.88	50.52	53.30	49.79
2	50.42	52.60	37.76	39.48	47.95	53.23	49.77	55.65	52.59	49.35	53.00	50.04
3	48.06	52.61	36.53	36.83	47.80	53.23	49.40	53.43	51.23	50.50	53.50	49.13
4	46.48	52.63	34.92	44.15	48.37	52.79	48.24	54.04	50.90	50.35	53.78	48.18
5	44.75	52.23	34.11	46.73	49.76	49.92	50.17	56.09	50.72	50.50	50.25	49.72
6	43.81	51.43	32.60	47.91	50.63	51.63	50.34	54.09	51.66	50.17	50.22	49.68
7	43.24	52.04	33.60	49.39	50.44	51.48	50.49	51.77	52.10	50.22	53.60	49.63
8	42.22	51.01	32.84	50.43	50.60	48.93	50.78	52.89	52.19	50.57	50.90	50.21
9	42.30	48.84	32.08	50.98	50.16	49.87	52.60	52.87	52.50	49.43	52.76	50.50
10	43.85	47.11	32.00	50.52	50.80	49.63	50.55	53.02	52.29	50.07	53.17	50.25
11	44.71	44.06	32.71	50.58	50.47	48.61	53.80	52.86	50.54	49.87	53.23	49.42
12	45.25	42.50	31.65	51.30	50.62	46.73	53.92	52.95	51.68	50.19	53.34	49.36
13	46.16	41.50	29.63	50.93	50.43	51.44	54.24	52.30	51.24	49.91	52.80	49.61
14	46.72	41.68	31.96	52.19	49.99	51.67	54.47	50.62	51.42	49.29	53.37	49.74
15	47.60	43.67	32.30	52.32	48.93	51.80	53.22	52.35	51.41	49.28	50.22	52.40
16	47.53	45.62	32.39	51.84	52.43	50.41	53.27	52.10	51.62	48.76	50.06	51.92
17	49.31	46.48	32.23	50.18	52.20	50.60	52.85	52.33	51.73	49.29	51.13	52.04
18	51.06	47.05	32.98	51.81	52.07	50.69	53.42	52.78	50.70	49.81	50.83	48.26
19	51.86	47.06	33.04	52.10	51.88	50.70	53.66	53.20	51.21	51.00	50.42	52.20
20	52.93	46.20	31.55	51.80	51.95	52.84	54.33	52.80	51.77	50.67	49.89	51.92
21	52.94	46.13	32.83	50.75	51.95	52.86	54.33	51.00	51.92	50.67	51.31	51.83
22	51.35	45.96	34.33	51.10	49.94	52.07	54.02	52.42	51.58	50.04	51.56	49.03
23	51.35	44.81	33.96	49.85	51.99	52.79	54.00	52.86	51.62	49.50	51.18	48.93
24	50.54	42.88	33.93	49.78	51.63	52.72	50.64	52.62	50.45	50.66	50.40	48.23
25	51.72	41.85	33.57	49.68	52.20	51.10	53.90	52.80	49.88	50.78	50.96	47.48
26	51.86	41.16	32.56	49.50	52.28	47.46	53.64	52.40	51.00	50.70	50.33	47.66
27	52.34	40.24	31.22	49.82	52.27	48.85	52.58	52.45	50.54	51.07	49.22	48.60
28	52.15	38.22	34.46	49.59	52.07	48.93	52.94	50.97	49.91	50.88	51.18	49.07
29	52.15		35.02	49.64	50.10	49.00	52.72	54.42	50.75	50.32	50.53	49.39
30	51.40		35.65	49.73	49.42	49.18	52.43	54.93	51.25	49.11	50.71	49.37
31	e51.90		37.91		51.53		51.61	53.30		52.71		49.14

e Estimated.

8705-3745-33. Malco Theatre Corp. 418 Frederica St., Owensboro. Drilled unused artesian well in alluvium of Pleistocene and Recent age, diameter 6 inches, depth 84 feet, screen 62-84. Highest water level 18.90 below lsd, Feb. 8, 1952; lowest 41.64 below lsd, July 30, 1954. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.13	38.16	.....	25.42	37.67	39.53	39.92	40.93	40.83	40.32	39.25	39.38
2	39.45	38.68	27.47	26.64	37.18	39.58	40.25	41.14	40.48	40.17	39.09	39.08
3	38.83	39.06	26.09	28.24	37.40	39.68	40.28	40.97	40.23	39.89	39.53	39.10
4	37.47	38.86	25.23	29.69	37.31	39.60	40.13	41.26	40.72	39.76	39.38	39.37
5	35.76	38.51	24.75	31.38	37.42	39.60	39.85	41.17	40.59	39.79	38.96	39.24
6	34.80	38.35	24.07	32.67	37.23	39.18	40.12	41.13	40.32	40.08	39.03	39.01
7	33.85	38.84	23.44	34.19	37.86	39.24	40.28	40.96	40.74	40.10	39.08	38.78
8	32.77	38.60	22.66	35.66	38.31	38.81	40.40	40.92	40.32	40.34	39.12	39.01
9	32.52	37.85	22.26	35.98	38.52	38.99	40.50	41.01	40.56	40.25	38.86	39.35
10	32.67	36.53	21.84	36.46	38.13	38.97	40.37	40.87	40.65	39.95	38.48	39.40
11	33.27	.....	21.82	36.60	38.17	38.99	40.63	41.01	40.88	39.80	38.70	39.39
12	33.58	.....	21.83	36.94	38.05	39.44	40.58	41.04	40.51	39.59	39.00	39.22
13	34.47	.....	21.92	37.14	37.98	39.04	40.63	40.95	40.59	39.56	39.56	38.98
14	34.75	.....	21.54	37.36	38.34	38.97	40.58	40.97	40.66	39.38	39.14	38.88
15	35.25	.....	21.50	37.80	38.67	39.32	40.64	40.68	40.78	39.46	38.85	38.96
16	35.72	.....	22.19	38.12	38.59	39.44	40.61	40.96	40.54	39.44	39.34	38.77
17	36.28	.....	22.36	38.18	39.05	39.91	40.33	40.99	40.49	39.22	39.47	38.64
18	36.71	.....	22.60	38.12	39.11	39.97	40.55	41.18	40.36	39.49	39.10	38.73
19	37.35	.....	22.72	38.71	39.52	40.12	40.74	41.26	40.48	39.74	39.25	38.08
20	37.85	.....	22.88	38.48	39.27	39.93	40.69	41.24	40.60	39.70	39.29	38.77
21	37.79	.....	22.93	38.52	39.31	40.10	40.81	41.13	40.82	39.64	39.28	38.62
22	38.07	.....	23.30	38.08	39.34	40.02	40.75	41.11	40.75	39.82	39.38	38.35
23	38.25	.....	23.12	38.03	39.71	40.08	40.68	41.22	40.53	39.82	39.89	38.46
24	38.07	.....	23.09	38.10	39.70	40.03	40.47	41.19	40.49	39.64	39.89	38.62
25	38.40	.....	22.53	38.00	39.79	40.07	40.67	41.07	40.28	39.26	39.55	39.01
26	38.28	.....	22.97	37.82	39.83	39.94	40.88	41.02	40.02	39.39	39.43	38.85
27	38.46	.....	22.96	37.47	39.91	39.87	40.97	41.02	40.24	39.33	39.17	38.82
28	38.18	.....	22.87	37.30	39.79	39.96	40.98	41.01	40.48	39.07	39.60	38.65
29	38.30		23.19	37.51	39.64	39.93	40.95	40.78	40.23	39.21	39.74	38.85
30	38.62		23.72	37.96	39.26	40.03	41.02	40.98	40.56	39.17	39.77	38.89
31	38.38		24.30		39.60		41.00	40.74		39.37		38.58

Edmonson County

8615-3710-1. Mr. Wells. Lat. 37°11', long. 86°16'. Dug unused water-table well in Cypress sandstone, diameter 30 inches, depth 23 feet. Highest water level 0.37 below lsd, Mar. 21, 1955; lowest 12.56 below lsd, Nov. 22, 1953. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.29	3.52	.....	.....	.....	3.25	4.70	7.55	10.44	12.11	12.37	11.27
2	11.27	1.57	.....	.....	.....	3.51	4.85	7.67	10.55	12.13	12.38	10.76
3	11.23	.....	1.45	.....	.....	3.70	5.00	7.81	10.65	12.14	12.38	10.34
4	11.21	.....	1.52	.....	.....	3.85	.....	7.90	10.75	12.15	12.38	9.10
5	11.19	.....	.93	.....	.....	4.00	.....	8.06	10.85	12.16	12.39	8.70
6	11.17	.....	.97	.....	.....	4.06	.....	8.21	10.95	12.18	12.40	8.51
7	11.16	.....	1.35	.....	.....	3.59	.....	8.22	11.05	12.15	12.41	8.40
8	11.08	.....	1.56	.....	.....	2.10	.....	8.26	11.16	12.16	12.41	8.32
9	11.03	.....	1.76	.....	.....	1.39	.....	8.33	11.27	12.17	12.42	8.27
10	10.99	.....	1.90	.....	.....	.83	.....	8.40	11.37	12.18	12.42	8.23
11	10.88	.....	2.00	.....	.....	1.31	.....	8.43	11.46	12.20	12.41	8.18
12	10.48	.....	2.07	.....	.....	1.10	.....	8.51	11.54	12.21	12.41	8.14
13	10.15	.....	2.19	.....	.....	1.50	.....	8.60	11.63	12.21	12.42	8.11
14	9.75	.....	2.26	.....	.....	1.87	.....	8.72	11.71	12.23	12.42	8.07
15	9.27	.....	1.84	.....	.....	2.22	.....	8.82	11.78	12.23	12.43	7.96
16	8.77	.....	.85	.....	.....	2.48	.....	8.84	11.85	12.24	12.36	7.84
17	8.39	.....	1.30	.....	.....	2.70	.....	8.90	11.91	12.25	12.20	7.74
18	7.97	.....	.79	.....	.....	2.95	.....	8.99	11.98	12.25	12.13	7.66
19	7.57	.....	1.20	.....	.....	3.20	.....	9.10	12.03	12.25	11.89	7.51
20	7.28	.....	1.46	.....	.....	3.43	.....	9.18	12.07	12.25	11.72	7.34
21	6.65	.....	.75	.....	.....	3.57	6.53	9.29	12.12	12.27	11.67	7.21
22	5.67	.....	.69	.....	.....	3.71	6.64	9.37	12.16	12.28	11.64	7.08
23	5.17	.....	1.15	.....	.....	3.89	6.70	9.46	12.19	12.29	11.61	6.97
24	4.89	.....	1.46	.....	.....	4.07	6.77	.....	12.20	12.30	11.54	6.89
25	4.72	.....	1.56	.....	2.30	3.98	6.84	.....	12.22	12.30	11.47	6.79

8615-3710-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	4.57	.....	.....	1.80	2.60	4.06	6.93	.....	12.24	12.32	11.42	6.70
27	4.41	.....	.....	.....	2.85	4.16	7.07	.....	12.26	12.33	11.38	6.62
28	4.28	.....	.....	.....	3.10	4.29	7.16	.....	12.27	12.33	11.34	6.55
29	4.16		2.13	.....	2.74	4.40	7.22	.....	12.29	12.34	11.31	6.49
30	3.95		.....	.....	2.86	4.57	7.32	10.25	12.10	12.35	11.29	6.43
31	3.70		.....		3.05		7.43	10.35		12.36		6.29

Elliott County

8305-3800-1. Roy Adkins. Lat. 38°04', long. 83°09'. Drilled unused water-table well in rocks of Pennsylvanian age, diameter 6 inches, depth 70 feet. Highest water level 20.81 below lsd, Dec. 30, 1954; lowest 46.35 below lsd, Dec. 17-18, 1953. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.92	.....	21.63	.....	.....	23.85	.....	23.23	.....	.....	.....	.....
2	21.27	23.36	21.76	.....	.....	23.85	.....	h23.29	.....	.....	.....	.....
3	h22.81	23.49	.....	.....	.....	23.87	.....	.....	.....	.....	.....	.....
4	22.84	23.46	.....	.....	.....	23.86	.....	.....	.....	.....	.....	.....
5	21.93	23.36	21.39	.....	h23.47	23.87	h24.78	.....	.....	.....	.....	.....
6	21.95	22.50	21.40	.....	.....	23.92	24.79	.....	.....	.....	.....	.....
7	22.02	21.64	21.64	.....	.....	23.94	24.40	.....	.....	.....	.....	.....
8	.....	21.70	e21.81	.....	.....	24.01	23.90	.....	.....	.....	.....	.....
9	.....	21.83	e21.99	.....	.....	24.17	23.69	.....	.....	.....	.....	.....
10	.....	21.90	22.23	.....	.....	24.20	23.18	.....	.....	.....	.....	.....
11	.....	22.16	22.47	.....	.....	24.15	23.10	.....	.....	.....	.....	.....
12	.....	22.20	e22.45	.....	.....	23.65	23.15	.....	.....	.....	.....	.....
13	.....	.....	22.63	.....	.....	23.84	23.26	.....	.....	.....	.....	.....
14	.....	.....	22.76	.....	.....	23.83	23.27	.....	.....	.....	.....	.....
15	.....	.....	22.77	.....	.....	23.83	23.28	.....	.....	.....	.....	.....
16	.....	.....	22.13	.....	.....	23.84	23.40	.....	.....	.....	.....	.....
17	.....	22.21	22.05	.....	.....	23.83	23.49	.....	.....	.....	.....	.....
18	.....	22.15	22.03	.....	.....	23.90	23.63	.....	.....	.....	.....	.....
19	.....	22.15	22.09	.....	.....	23.87	23.52	.....	.....	.....	.....	.....
20	.....	.....	22.12	.....	.....	23.90	23.52	.....	.....	.....	.....	43.55
21	.....	.....	22.16	.....	.....	23.90	23.50	.....	.....	.....	h40.46	43.14
22	.....	.....	21.53	.....	.....	23.86	23.44	.....	.....	.....	.....	43.05
23	.....	22.04	21.76	.....	.....	23.85	23.32	.....	.....	.....	.....	43.15
24	.....	22.02	21.95	.....	.....	23.91	.....	.....	.....	.....	.....	43.43
25	.....	22.23	21.98	.....	.....	23.89	23.35	.....	.....	h38.46	.....	43.78
26	.....	.....	.....	.....	h23.80	24.10	23.16	.....	h28.22	.....	.....	44.18
27	.....	21.90	.....	.....	23.56	24.13	23.20	.....	.....	.....	.....	44.02
28	.....	21.66	.....	.....	23.55	24.19	23.46	.....	.....	.....	.....	43.92
29	.....		.....	.....	23.52	.....	23.16	.....	.....	.....	.....	43.80
30	.....		.....	.....	23.69	.....	23.10	h25.20	.....	.....	.....	43.80
31	.....		.....		23.77		23.17	.....		.....		43.82

e Estimated.
h Tape measurement.

Fayette County

8435-3755-28. M. A. Kehrt. Lat. 37°59', long. 84°36'. Drilled unused water-table well in limestone of the Lexington group, diameter 6 inches, depth 132 feet, reported cased to 15. Land-surface datum is about 940 feet above msl. Highest water level 4.0 below lsd, Mar. 19, 1955; lowest 48.56 below lsd, March 1954. Records available: 1952-55. Date on which lowest water level occurred could not be ascertained because of mechanical failure of recording gage.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.70	k13.9	k6.1	k10.4	13.40	13.03	13.08	13.27	13.06	13.40	13.05	13.10
2	11.00	k13.9	k6.6	k10.9	13.40	13.15	13.15	12.80	13.04	13.10	12.98	12.89
3	k11.6	k10.4	k7.0	k11.4	13.41	13.21	13.53	12.87	13.00	13.48	12.99	12.79
4	h12.19	k8.6	k7.4	k11.7	13.38	13.14	13.48	12.86	13.07	13.09	12.96	12.58
5	k12.0	k7.9	k7.3	k11.9	13.45	13.12	13.43	12.88	13.14	13.01	12.85	12.65
6	k11.6	k7.8	k6.6	k12.2	13.46	12.65	13.09	12.87	13.01	13.08	13.30	12.57
7	k11.4	k8.1	k6.7	h12.37	13.37	12.21	13.27	12.85	13.48	13.03	13.22	12.55
8	k11.2	h8.63	k7.2	12.59	13.78	10.90	13.05	11.77	13.10	13.58	13.09	12.98
9	k11.3	k8.7	h7.67	12.66	13.48	10.50	10.50	11.66	13.21	13.05	12.99	12.89
10	k11.5	k8.9	k8.1	12.80	13.70	10.58	11.06	11.30	13.15	13.00	12.87	13.00

8435-3755-28--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	k11.8	k9.2	k8.5	12.88	13.48	10.09	11.62	11.75	13.20	12.98	13.01	13.01
12	k12.2	k9.7	k9.0	12.79	13.45	9.50	12.20	12.10	13.14	12.93	13.20	13.17
13	k12.8	k10.1	k9.5	12.75	13.13	9.65	12.42	12.32	13.12	12.82	13.11	13.03
14	k13.0	k10.4	k10.0	12.85	9.52	10.25	12.55	12.55	13.15	12.78	13.21	12.99
15	k12.7	k10.7	k10.5	12.95	9.15	10.71	12.70	12.65	13.09	12.93	13.13	13.08
16	k12.6	k11.0	k10.0	13.03	9.25	11.20	12.78	12.61	13.14	12.89	13.03	13.12
17	k13.2	k8.9	k8.4	13.10	10.12	11.60	13.10	12.65	13.25	12.85	13.20	.....
18	k13.2	k8.7	k6.5	13.30	11.13	11.88	13.02	12.71	13.28	13.20	13.13	.....
19	k12.9	k8.8	k4.4	13.07	11.55	12.20	12.89	12.88	13.85	13.21	12.95	.....
20	k12.5	k9.2	k4.4	13.06	11.98	12.37	13.14	12.82	13.15	13.11	12.99	.....
21	k12.4	k9.1	k4.9	13.06	12.21	12.61	13.27	.....	13.19	13.18	13.22	.....
22	k12.4	k5.8	k5.4	13.08	12.20	12.71	12.95	.....	13.15	13.07	12.93	.....
23	k12.7	k6.3	k5.9	12.98	12.30	12.90	13.43	.....	13.09	13.00	12.95	.....
24	k13.1	k7.0	k6.4	13.32	12.44	12.85	13.20	.....	13.10	12.98	13.05	.....
25	k13.4	k7.6	k6.9	13.19	12.40	12.85	12.45	.....	13.10	13.30	12.98	.....
26	k13.7	k7.8	k7.4	13.30	12.46	12.91	13.08	.....	13.18	12.90	12.99	.....
27	k13.9	k5.6	k7.9	13.25	12.68	12.99	12.80	.....	13.18	12.96	12.90	.....
28	k13.8	k5.2	k8.4	13.28	12.92	13.06	12.85	.....	13.14	12.95	13.20	.....
29	k13.7		k8.9	13.40	13.05	13.39	12.18	.....	13.08	12.91	13.20	.....
30	k13.8		k9.4	13.43	12.91	13.15	12.12	.....	13.00	12.92	13.25	13.24
31	k13.8		k9.9		12.99		12.42	h13.12		13.39		13.20

h Tape measurement.
k Interpolated.

Floyd County

8245-3740-1. B. M. Thompson. Prestonsburg. Lat. 37°40', long. 82°46'. Drilled unused water-table well in shale and sandstone of Breathitt formation, diameter 6 inches, depth 80 feet. Highest water level 30.29 below lsd, Mar. 8, 1955; lowest 40.43 below lsd, Nov. 2-3, 1954. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	39.08	39.00	32.60	.....	34.38	36.59	37.56	38.25	38.93	39.62	39.95	40.08
2	39.19	**39.01**	32.10	32.21	34.52	36.63	e37.60	38.28	38.95	39.63	39.95	40.06
3	39.23	39.**04**	32.44	32.34	34.64	36.66	37.64	38.29	38.99	39.65	39.98	40.08
4	39.22	38.82	33.43	32.71	34.72	36.71	.....	38.32	38.99	39.67	40.01	40.06
5	39.21	38.79	33.24	32.89	34.80	36.74	.....	38.36	39.03	39.68	40.01	40.09
6	39.18	38.64	32.40	33.02	34.92	36.86	.....	38.38	39.04	39.70	40.01	40.09
7	39.16	37.63	30.73	33.20	34.99	36.74	37.76	38.41	39.06	39.71	40.03	40.08
8	39.10	36.98	30.63	.....	.....	36.78	37.70	38.46	39.10	39.72	40.04	40.07
9	39.07	37.40	.....	.....	.....	36.84	37.73	38.46	39.13	39.73	40.05	40.08
10	39.11	.....	.....	33.66	35.28	36.88	37.74	38.48	39.16	39.73	40.04	40.11
11	39.14	37.72	.....	33.74	35.39	36.83	37.75	38.42	39.18	39.69	40.05	40.00
12	39.05	37.86	.....	33.87	35.49	36.88	37.77	38.42	39.21	39.68	40.09	40.00
13	39.02	37.93	.....	33.95	35.51	36.93	37.80	38.46	39.24	39.68	40.10	40.00
14	39.01	37.91	.....	33.04	35.52	36.98	37.77	38.51	39.27	39.69	40.09	40.09
15	38.97	37.91	.....	34.03	35.51	37.01	37.77	38.55	39.28	39.71	40.08	40.09
16	39.00	37.93	.....	34.01	35.53	37.05	37.82	38.56	39.31	39.72	40.08	40.10
17	39.02	37.91	.....	34.08	35.58	37.10	37.86	38.58	39.33	39.73	40.13	40.10
18	39.03	37.57	.....	34.15	35.68	37.13	37.90	38.60	39.34	39.75	40.12	40.12
19	39.04	37.55	.....	34.29	35.74	37.16	37.94	38.62	39.35	39.79	39.97	40.16
20	39.10	37.58	.....	34.37	35.80	37.19	37.96	38.64	39.39	39.80	39.98	40.15
21	39.03	37.64	.....	34.45	35.87	37.23	37.99	38.66	39.41	39.80	39.94	40.17
22	39.01	37.70	.....	34.51	35.94	37.27	38.03	38.67	39.43	39.80	39.98	40.13
23	38.99	37.52	.....	34.58	36.01	37.34	38.06	38.69	39.44	39.83	39.97	40.11
24	38.93	36.72	.....	34.63	36.05	37.45	38.06	38.72	39.47	39.84	40.01	40.11
25	38.96	36.84	30.88	34.57	36.09	37.37	38.11	38.74	39.50	39.86	39.98	40.15
26	38.96	37.03	31.08	34.30	.....	37.40	38.15	38.77	39.52	39.85	40.00	40.16
27	38.99	35.00	31.33	34.17	e36.12	37.44	38.16	38.79	39.53	39.87	39.97	40.16
28	38.97	33.55	31.70	34.05	.....	37.47	38.17	38.82	39.55	39.88	40.01	40.16
29	38.99		31.83	34.17	36.30	37.50	38.18	38.84	39.56	39.87	40.05	40.16
30	39.02		.....	34.27	36.39	37.53	38.19	38.86	39.59	39.89	40.09	40.13
31	39.02		.....		36.52		38.23	38.90		39.93		40.13

e Estimated.

8245-3740-11. Julia Blackburn. Prestonsburg. Lat. 37°40', long. 82°46'. Dug unused water-table well in alluvium of Quaternary age, diameter 18 inches, depth 19 feet, lined with tile. Highest water level 0.77 below lsd, May 20, 1953; lowest 17.47 below lsd, Dec. 19, 1953. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	8.51	9.64	.....	.....	9.78	10.52	.....	12.25	11.95	13.21	13.54	13.54
2	8.97	9.32	.....	.....	9.90	10.57	.....	12.37	12.05	13.25	13.50	13.36
3	9.17	9.29	5.13	.....	9.89	10.62	.....	12.42	12.06	13.24	13.50	13.27
4	9.05	9.25	.....	h9.60	h9.86	10.73	.....	12.56	12.10	13.24	13.55	12.90
5	8.50	8.95	5.45	9.64	9.89	10.75	.....	12.75	12.15	13.24	13.50	12.56
6	8.55	5.80	.....	9.62	9.02	10.78	.....	12.81	12.17	13.24	13.42	12.50
7	8.75	7.35	.....	9.65	10.12	10.50	11.59	12.92	12.18	13.32	13.44	12.47
8	8.84	8.03	.....	9.79	10.25	10.30	11.67	12.80	12.28	13.27	13.50	12.49
9	8.97	8.50	.....	9.85	10.38	10.23	11.68	12.77	12.33	13.28	13.50	12.64
10	9.10	8.65	.....	9.87	10.37	10.34	11.68	10.43	12.36	13.21	13.43	12.74
11	8.90	8.92	.....	9.75	10.50	10.56	11.74	10.29	12.40	13.27	13.37	12.70
12	8.75	9.20	.....	9.50	10.55	10.80	11.83	10.15	12.50	13.13	13.39	12.69
13	8.90	9.17	.....	9.45	10.24	11.00	11.92	10.29	12.61	13.03	13.43	12.66
14	9.00	9.15	.....	9.10	8.85	11.20	11.96	10.63	12.62	12.96	13.40	12.73
15	9.05	7.55	.....	9.08	8.95	11.30	11.93	10.73	12.66	12.96	13.20	12.73
16	9.24	8.41	.....	9.23	.....	11.31	11.95	10.78	12.67	13.01	12.98	12.83
17	9.40	7.80	.....	9.35	.....	10.58	12.04	10.90	12.91	13.03	13.00	12.83
18	9.50	7.88	.....	9.45	.....	10.61	12.12	11.06	12.95	13.13	12.90	12.88
19	9.60	8.05	.....	9.54	.....	10.74	12.17	11.21	12.94	13.21	12.65	12.85
20	9.65	8.25	.....	9.64	.....	10.85	12.24	11.30	13.06	13.28	12.56	12.87
21	9.55	8.20	.....	9.70	.....	11.05	12.29	11.42	13.20	13.30	12.53	12.70
22	8.77	5.75	.....	9.63	.....	11.40	12.33	11.47	13.15	13.27	12.55	12.50
23	8.47	7.25	.....	9.64	.....	11.51	12.48	11.48	13.09	13.41	13.56	12.51
24	8.64	8.05	.....	9.50	.....	.....	12.43	11.52	12.94	13.41	13.73	12.63
25	8.94	8.45	.....	9.25	.....	.....	12.49	11.63	12.94	13.48	13.69	12.83
26	9.10	3.82	.....	9.17	.....	.....	12.55	11.74	12.98	13.48	13.73	13.03
27	9.23	....	.....	9.31	.....	.....	12.65	11.82	13.01	13.48	13.68	13.13
28	9.26	....	.....	9.40	.....	.....	.....	11.85	13.07	13.35	13.58	13.21
29	9.46		.....	9.54	.....	.....	.....	11.83	13.10	13.28	13.51	13.27
30	9.64		.....	9.65	.....	.....	12.07	11.85	13.10	13.35	13.55	13.25
31	9.68		.....		10.46		12.20	11.85		13.48		13.13

h Tape measurement.

Franklin County

8455-3815-3. Alvin Rodgers. Lat. 38°16', long. 84°57'. Dug unused water-table well in shale and limestone of the Eden formation, diameter 36 inches, depth 22 feet. Land-surface datum is about 880 feet above msl. Highest water level 14.15 below lsd, Apr. 26-27, 1953; lowest 19.75 below lsd, Nov. 20, 1953. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.49	.....	.....	.....	.....	k15.83	k15.75	h14.35	15.96	17.48	18.26	18.55
2	18.49	.....	.....	.....	.....	k15.85	k15.77	14.33	16.01	17.53	18.26	18.54
3	k18.48	.....	.....	.....	.....	k15.87	k15.80	14.33	16.09	17.57	18.27	18.53
4	h18.48	.....	.....	.....	.....	k15.89	k15.82	14.33	16.16	17.61	18.29	18.51
5	.....	.....	.....	.....	.....	k15.92	k15.85	14.36	16.22	17.64	18.31	18.50
6	.....	.....	.....	.....	.....	k15.94	k15.87	14.40	16.28	17.68	18.32	18.49
7	.....	.....	.....	h15.23	.....	k15.94	h15.90	14.41	16.34	17.70	18.34	18.47
8	.....	h17.35	.....	.....	.....	k15.92	15.74	14.41	16.39	17.74	18.35	18.46
9	.....	.....	h15.32	.....	.....	15.97	15.53	14.54	16.45	17.78	18.37	18.45
10	.....	.....	.....	.....	h15.70	15.98	15.55	14.59	16.51	17.81	18.38	18.44
11	.....	.....	.....	.....	15.73	15.95	15.56	14.65	16.56	17.84	18.39	18.43
12	.....	.....	.....	.....	15.77	15.91	15.57	14.70	16.62	17.87	18.41	18.42
13	.....	.....	.....	.....	15.78	15.88	15.59	14.75	16.68	17.89	18.43	k18.40
14	.....	.....	.....	.....	15.68	15.84	15.60	14.83	16.73	17.91	18.44	k18.38
15	.....	.....	.....	.....	15.63	15.75	15.61	14.89	16.79	17.93	18.45	18.37
16	.....	.....	.....	.....	15.63	15.68	15.62	14.94	16.84	17.96	18.47	18.36
17	.....	.....	.....	.....	k15.63	15.62	15.63	15.00	16.89	17.97	18.49	18.35
18	.....	.....	.....	.....	k15.63	15.58	.....	.....	16.94	17.99	18.49	18.33
19	.....	.....	.....	.....	k15.63	15.47	.....	.....	16.98	18.02	18.50	18.32
20	.....	.....	.....	.....	k15.63	k15.47	.....	.....	17.01	18.05	18.51	18.31

8455-3815-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	.....	.....	.....	.....	k15.57	k15.50	.....	.....	17.08	18.07	18.51	18.30
22	.....	.....	.....	.....	k15.59	k15.52	.....	.....	17.12	18.09	18.53	18.29
23	.....	.....	.....	.....	k15.62	k15.54	.....	.....	17.15	18.11	18.53	18.27
24	.....	.....	.....	.....	k15.64	k15.57	.....	.....	17.20	18.14	18.53	18.26
25	.....	.....	.....	.....	k15.66	k15.59	.....	.....	17.24	18.16	18.53	18.25
26	.....	.....	.....	.....	k15.69	k15.62	.....	.....	17.29	18.17	18.54	18.25
27	.....	.....	.....	.....	k15.71	k15.65	.....	.....	17.33	18.19	18.54	18.24
28	.....	.....	.....	.....	k15.73	k15.67	.....	.....	17.38	18.20	18.55	18.23
29	.....		.....	.....	k15.76	k15.70	.....	.....	17.42	18.21	18.55	18.22
30	.....		.....	.....	k15.78	k15.72	.....	.....	17.44	18.22	18.55	18.21
31	.....		.....		k15.80		.....	h15.93		18.24		18.21

h Tape measurement.
k Interpolated.

Fulton County

8850-3630-1. Fulton Waterworks. Norman and Water Sts., Fulton. Lat. 36°30', long. 88°52'. Drilled unused artesian well in sand of Grenada formation, diameter 8 inches, depth 130 feet. Land-surface datum is 363.24 feet above msl. Highest water level 3.60 below lsd, Apr. 11, 1951; lowest 13.58 below lsd, Nov. 21, 1947. Records available: 1945, 1947, 1950-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.74	7.73	....	....	....	8.13	8.50	8.98	8.77	8.56	8.35
2	....	8.67	7.80	7.67	....	....	8.19	9.05	8.91	8.88	8.56	8.06
3	h9.14	8.60	7.79	7.73	....	....	8.43	8.75	8.87	8.69	8.59	8.00
4	8.69	....	7.78	7.75	....	....	8.30	8.77	8.92	8.78	8.99	7.87
5	8.86	8.59	7.90	7.80	....	....	8.26	8.83	8.85	8.56	8.50	7.86
6	8.55	8.15	7.96	7.86	....	6.98	8.29	8.78	8.93	8.48	8.19	7.96
7	8.83	8.17	7.98	8.00	....	6.73	8.25	8.93	8.92	8.54	8.43	7.76
8	8.70	8.23	8.10	8.10	....	7.05	8.20	8.66	8.99	8.69	8.47	7.78
9	8.60	8.29	8.09	8.10	....	7.24	8.35	8.72	9.07	8.68	8.44	8.06
10	8.53	8.21	8.00	8.03	....	7.32	8.43	8.80	9.15	8.47	8.43	8.10
11	8.73	8.47	7.88	7.66	....	7.27	8.28	8.90	9.16	8.52	8.34	8.16
12	9.07	8.63	7.85	7.70	....	7.33	8.53	8.82	9.00	8.44	8.43	7.98
13	8.76	8.67	8.15	....	....	7.37	8.51	8.81	9.03	8.16	8.44	8.08
14	8.73	8.34	8.08	....	....	7.47	8.63	8.70	9.03	7.91	8.43	8.12
15	8.47	8.25	7.97	....	....	7.50	8.46	8.65	9.08	7.97	8.33	8.15
16	8.43	8.23	8.07	....	....	7.45	8.45	8.66	9.11	7.97	8.18	8.04
17	8.35	8.46	8.27	....	....	7.60	8.60	8.41	9.15	7.82	....	7.79
18	8.67	8.43	7.97	....	....	7.37	8.47	8.43	9.20	8.07	....	7.79
19	8.57	8.25	7.29	....	....	7.57	h9.23	8.45	8.96	8.19	8.38	7.95
20	8.77	8.27	....	....	....	7.60	8.68	8.52	9.07	8.34	8.42	8.14
21	8.44	8.17	....	....	....	7.75	8.52	8.67	9.19	8.36	8.13	8.07
22	8.90	8.12	....	....	....	7.94	8.39	8.60	9.24	8.35	8.23	7.95
23	8.75	8.00	....	....	h8.20	8.07	8.41	8.63	9.22	8.48	8.01	7.83
24	8.47	8.04	....	....	7.72	8.17	8.37	8.64	9.10	8.35	8.36	7.93
25	8.66	8.17	....	....	7.83	8.12	8.16	8.64	9.18	8.45	8.04	8.12
26	8.67	8.02	....	h8.11	7.96	8.17	8.43	8.68	8.97	8.33	8.23	8.12
27	8.91	7.88	....	....	7.89	8.07	8.51	8.67	9.08	8.25	8.22	8.14
28	9.20	7.75	h8.35	....	7.85	8.21	8.47	8.64	9.00	8.25	8.04	8.31
29	8.98		7.63	....	7.88	8.06	8.50	8.64	8.98	8.16	8.21	8.48
30	8.90		....	....	7.83	8.00	8.46	8.88	8.89	8.14	8.45	....
31	8.83		....		....		8.62	8.93		8.12		8.35

h Tape measurement.

Graves County

8830-3650-55. Artell Holshouser. Lat. 36°54', long. 88°30'. Dug unused water-table well in sand and gravel of Pliocene(?) age, diameter 24 inches, depth 36 feet. Land-surface datum is about 392 feet above msl. Highest water level 29.57 below lsd, Apr. 9, 1951; lowest 31.75 below lsd, Sept. 16, 18, 1954. Records available: 1950-55.

8830-3650-55--Continued.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.96	31.13	30.52	30.52	30.50	30.53	.....	.....	.....	.....	.....	.....
2	31.00	31.21	30.48	30.49	30.53	30.56	.....	.....	.....	.....	.....	.....
3	30.97	31.26	30.46	30.54	30.56	30.57	.....	.....	.....	.....	.....	.....
4	30.96	31.22	30.47	30.57	30.58	30.58	.....	.....	.....	.....	.....	.....
5	30.94	31.14	30.52	30.61	30.63	30.58	.....	.....	.....	.....	.....	.....
6	31.00	31.03	30.56	30.59	30.65	30.53	.....	.....	.....	.....	.....	.....
7	31.03	30.97	30.59	30.61	30.67	30.49	.....	.....	.....	.....	.....	.....
8	31.00	30.93	30.57	30.63	30.73	30.47	.....	.....	.....	.....	.....	31.26
9	31.02	30.89	30.56	30.63	30.75	30.49	.....	.....	.....	.....	.....	31.32
10	31.02	30.92	30.53	30.59	30.78	30.48	.....	.....	.....	.....	.....	31.36
11	31.05	30.96	30.60	30.52	30.81	30.43	.....	.....	.....	.....	.....	31.38
12	31.01	31.01	30.63	30.50	30.79	30 43	.....	.....	.....	.....	.....	31.38
13	31.07	30.95	30.70	30.40	30.70	30.46	.....	.....	.....	.....	.....	31.37
14	31.02	30.93	30.67	30.40	30.69	30.47	.....	.....	.....	.....	h31.40	31.37
15	31.04	30.92	30.66	30.40	30.66	30.48	.....	.....	h31.53	.....	.....	31.39
16	31.03	30.91	30.75	30.43	30.56	30.51	.....	.....	.....	.....	.....	31.37
17	31.05	30.91	30.72	30.44	30.50	30.52	.....	.....	.....	h31.34	.....	31.35
18	31.03	30.86	30.66	30.46	30.49	30.55	.....	.....	.....	.....	.....	31.38
19	31.09	30.85	30.57	30.40	30.48	30.57	.....	h31.37	.....	.....	.....	.....
20	31.10	30.89	30.43	30.37	30.48	30.61	.....	.....	.....	.....	.....	.....
21	31.04	30.79	30.33	30.39	30.47	30.65	h31.07	.....	.....	.....	.....	.....
22	31.07	30.70	30.41	30.40	.....	30.68	.....	.....	.....	.....	.....	.....
23	31.09	30.71	30.36	30.40	.....	30.68	.....	.....	.....	.....	.....	.....
24	31.06	30.70	30.36	30.40	.....	30.67	.....	.....	.....	.....	.....	.....
25	31.11	30.69	30.32	.....	30.46	30.64	.....	.....	.....	.....	.....	.....
26	31.14	30.67	30.46	.....	30.46	30.63	.....	.....	.....	.....	.....	.....
27	31.18	30.62	30.48	.....	30.48	.....	.....	.....	.....	.....	.....	31.36
28	31.15	30.50	30.45	.....	30.47	.....	.....	.....	.....	.....	.....	31.36
29	31.15		30.49	30.49	30.46	.....	.....	.....	.....	.....	.....	31.37
30	31.21		30.51	30.52	30.48	.....	.....	.....	.....	.....	.....	31.39
31	31.20		30.51		30.51		.....	.....		.....		31.34

h Tape measurement.

8835-3650-17. J. Whittemore. Lat. 36°52', long. 88°39'. Drilled unused artesian well in Holly Springs sand, diameter 10 inches, depth 106 feet, screen 83-105. Land-surface datum is 405.65 feet above msl. Previously reported as about 403 feet above msl. Highest water level 14.06 below lsd, Mar. 23, 1951; lowest 18.94 below lsd, Sept. 22, 1954. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.29	17.30	16.33	16.13	15.93	16.07	16.12	17.25	17.94	18.31	18.28	18.39
2	17.65	17.71	16.42	15.94	15.93	16.04	16.26	17.25	17.88	18.29	18.11	18.14
3	17.55	18.03	16.09	16.08	16.00	15.99	16.32	17.24	17.89	18.25	.....	18.09
4	17.40	17.82	16.09	16.21	15.99	15.88	16.37	17.36	17.96	18.18	.....	18.40
5	17.23	17.53	16.31	16.31	16.09	15.85	16.37	17.40	17.95	18.05	18.22	18.45
6	17.49	17.30	16.49	16.34	16.11	15.83	16.32	17.40	17.88	18.06	18.27	18.29
7	17.66	17.50	16.63	16.43	16.06	15.82	16.33	17.39	17.90	18.20	18.37	18.02
8	17.42	17.35	16.46	16.55	16.31	15.72	16.39	17.35	18.00	18.35	.....	18.20
9	17.43	17.23	16.35	16.51	16.36	15.76	16.52	17.38	18.06	18.35	18.26	18.55
10	17.34	17.15	16.15	16.38	16.34	15.73	16.55	17.46	18.08	18.30	17.97	18.59
11	17.59	17.56	16.33	16.06	16.51	15.68	16.57	17.45	18.17	18.19	18.10	18.60
12	17.34	17.83	16.48	16.06	16.43	15.77	16.64	17.42	18.17	18.00	18.26	18.53
13	17.68	17.61	16.79	15.90	16.22	15.93	16.70	17.42	18.19	18.11	18.32	18.40
14	17.36	17.27	16.63	15.84	16.34	15.97	16.71	17.52	18.09	17.99	18.44	18.40
15	17.39	17.22	16.51	15.97	16.33	15.96	16.64	17.55	18.10	18.05	18.08	18.51
16	17.35	17.14	16.90	15.86	16.26	15.96	16.71	17.50	18.06	18.07	18.42	18.38
17	17.42	17.43	16.89	15.95	16.23	15.97	16.81	17.44	18.15	h18.04	18.70	18.27
18	17.26	17.22	16.83	15.89	16.23	15.96	16.89	17.52	18.11	18.18	18.45	18.35
19	17.63	17.04	16.58	15.89	16.19	15.94	16.95	17.62	17.99	18.37	18.47	18.70
20	17.57	17.19	16.25	15.95	16.11	16.03	16.99	17.57	18.00	18.39	18.47	18.50
21	17.20	17.16	15.70	15.93	16.02	16.10	16.94	17.59	18.09	18.33	18.30	18.36
22	17.34	17.02	16.05	15.75	15.94	16.11	16.94	17.60	18.15	18.32	18.10	18.10
23	17.44	17.13	15.93	15.30	15.93	16.13	16.86	17.66	18.12	18.25	18.42	18.03
24	17.23	17.07	15.99	15.17	15.76	16.15	16.89	17.71	18.24	18.39	18.62	18.12
25	17.63	17.03	15.65	15.53	15.84	16.14	16.99	17.75	18.32	18.29	18.38	18.49

8835-3650-17--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
261	17.54	16.72	16.23	15.65	15.78	16.19	17.08	17.70	18.26	18.19	18.35	18.53
27	17.73	16.59	16.31	15.59	15.86	16.22	17.10	17.71	18.21	18.18	18.10	18.52
28	17.58	16.26	16.16	15.64	15.79	16.17	17.10	17.70	18.21	17.90	18.44	18.47
29	17.52		16.18	15.92	15.85	16.09	17.06	17.64	18.03	18.12	18.57	18.56
30	17.79		16.25	16.00	15.91	16.11	17.09	17.87	18.20	18.18	18.73	18.67
31	17.54		16.15		16.04		17.22	17.93		18.32		18.43

h Tape measurement.

Harlan County

8315-3650-2. J. D. White. Lat. 36°51', long. 83°19'. Drilled unused water-table well, diameter 6 inches, depth 101 feet, cased to 22. Highest water level 23.58 below lsd, May 23, 1953; lowest 32.29 below lsd, Oct. 17, 1951. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.41	30.90	28.65	25.06	26.95	28.04	28.33	28.99	29.86	30.68	30.96	31.20
2	31.35	h30.57	28.60	24.99	26.98	27.99	28.44	28.99	29.84	30.71	30.84	31.11
3	31.57	30.95	28.21	25.22	27.03	27.90	.....	29.01	29.83	30.68	31.10	31.17
4	31.50	30.75	28.05	25.57	26.96	27.83	.....	29.04	29.96	30.62	31.04	31.14
5	31.33	30.44	28.00	25.83	26.90	27.80	.....	29.07	30.00	30.58	30.86	31.23
6	31.29	30.10	27.74	25.73	27.00	27.77	.....	29.04	29.92	30.68	30.86	31.18
7	31.22	30.35	27.57	26.03	26.93	27.71	h28.33	28.96	29.90	30.60	31.01	31.09
8	31.57	30.28	h27.29	26.34	27.06	27.66	28.38	29.02	30.02	30.87	31.01	31.15
9	31.30	30.22	26.99	26.49	27.25	27.87	28.49	29.13	30.09	30.80	30.88	31.35
10	31.18	30.12	26.84	26.46	27.27	27.87	28.42	29.12	30.04	30.72	30.74	31.48
11	31.22	30.28	26.57	.....	27.34	27.82	28.44	29.07	30.02	30.60	31.00	31.41
12	31.38	30.70	26.61	h26.46	27.35	27.93	28.53	29.06	30.18	30.52	31.12	31.37
13	31.25	30.42	26.84	26.46	27.25	28.03	28.58	29.15	30.24	30.55	31.11	31.37
14	31.28	30.05	26.80	26.47	27.26	28.06	28.50	29.34	30.25	30.55	31.03	31.32
15	31.34	30.02	26.61	26.66	27.47	28.09	28.45	29.34	30.19	30.68	30.89	31.22
16	31.09	29.96	.....	26.62	27.45	28.12	28.50	29.23	30.23	30.68	31.00	31.38
17	31.15	30.16	.....	26.65	27.41	28.19	28.58	29.22	30.32	30.65	31.34	31.28
18	31.23	30.03	.....	26.62	27.45	28.20	28.62	29.40	30.25	30.84	31.15	31.29
19	31.17	29.99	.....	26.56	27.50	28.16	28.67	29.45	30.15	31.08	31.00	31.53
20	31.15	29.92	.....	26.58	27.54	28.19	28.61	29.46	30.19	31.00	31.25	31.40
21	31.38	29.88	.....	26.54	27.60	28.23	28.62	29.49	30.35	30.82	31.09	31.20
22	30.99	29.80	.....	26.62	27.66	28.24	28.63	29.45	30.40	30.88	31.05	31.10
23	30.80	29.96	.....	26.48	27.73	28.25	28.63	29.51	30.34	30.90	31.06	31.20
24	30.98	29.70	.....	26.33	27.65	28.18	28.57	29.57	30.48	30.88	31.32	31.21
25	30.90	29.65	.....	26.59	27.68	28.30	28.70	29.65	30.60	30.87	31.03	31.43
26	30.96	29.47	.....	26.88	27.76	28.39	28.80	29.65	30.57	30.75	31.15	31.45
27	31.08	29.18	.....	26.89	27.81	28.38	28.84	29.62	30.52	30.82	30.96	31.43
28	30.94	28.86	.....	26.80	27.80	28.35	28.83	29.64	30.55	30.63	31.17	31.42
29	30.75		.....	26.93	27.70	28.33	28.78	29.60	30.49	30.76	31.32	31.37
30	30.86		.....	27.00	27.80	28.32	28.91	29.68	30.53	30.85	31.40	31.37
31	30.82		25.07		28.04		28.99	29.84		31.04		31.22

h Tape measurement.

Henderson County

8720-3745-34. Isidore Varble. Lat. 37°49', long. 87°22'. Driven unused water-table well in alluvium of Pleistocene and Recent age, diameter $1\frac{1}{4}$ inches, depth 37 feet, perforations 35-37. Highest water level 14.39 below lsd, Mar. 31, 1952; lowest 23.23 below lsd, Dec. 30, 1954. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	23.07	May 2	20.28	Aug. 6	22.00	Dec. 1	22.69
Mar. 2	22.40	June 6	21.19	Sept. 19	22.34	28	22.86
30	17.68	July 7	21.62	Oct. 27	22.56		

8720-3750-41. R. V. Purgeason. Lat. 37°52', long. 87°24'. Driven unused water-table well in alluvium of Pleistocene and Recent age, diameter $1\frac{1}{4}$ inches, depth 24 feet, perforations 22-24. Highest water level 9.95 below lsd, Mar. 31, 1952; lowest 20.78 below lsd, Dec. 1, 28, 1955. Records available: 1949, 1951-55.

Feb. 1	20.06	May 2	17.60	July 7	19.75	Oct. 27	20.75
Mar. 2	19.55	June 1	18.93	Aug. 6	20.29	Dec. 1	20.78
30	14.90	23	19.53	Sept. 19	20.64	28	20.78

8720-3750-152. R. Hohimer. Lat. 37°51', long. 87°21'. Driven unused artesian well in alluvium of Pleistocene and Recent age, diameter 1½ inches, depth 33 feet, perforations 26-29. Highest water level 14.70 below lsd, Apr. 7, 1952; lowest 21.85 below lsd, Feb. 1, 1955. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	21.85	May 4	19.80	July 7	20.32	Oct. 27	20.98
Mar. 14	21.22	June 6	19.94	Aug. 6	20.55	Dec. 1	21.17
31	19.91	23	20.25	Sept. 19	20.77	28	21.35

8730-3745-221. R. R. Roberts. Lat. 37°46', long. 87°34'. Drilled unused artesian well in Anvil Rock sandstone member of Lisman formation, diameter 5 inches, depth 106 feet, cased to 20. Land-surface datum is 433 feet above msl. Highest water level 30.41 below lsd, May 4, 1951; lowest 38.27 below lsd, Dec. 19, 1955. Records available: 1949-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.93	37.00	37.24	36.86	36.84	36.63	36.39	36.68	37.02	37.45	37.59	37.68
2	37.40	37.45	37.33	36.67	36.74	36.55	36.51	36.66	36.93	37.40	37.48	37.43
3	37.21	37.80	36.97	36.82	36.73	36.42	36.55	.....	36.89	37.47	37.90	37.44
4	37.07	37.57	37.01	36.91	36.59	36.31	36.48	.....	36.96	37.26	37.79	37.77
5	36.85	37.22	37.29	36.92	36.62	36.21	36.40	.....	36.99	37.10	37.51	37.86
6	37.30	37.02	37.33	36.91	36.59	36.20	36.31	36.66	36.89	37.12	37.46	37.69
7	37.35	37.37	37.32	37.04	36.43	36.21	36.34	.....	36.90	.....	37.64	37.38
8	37.06	37.29	37.12	37.13	36.67	36.20	36.41	.....	36.96	.....	37.78	37.65
9	37.13	37.23	37.00	37.04	36.69	36.35	36.47	.....	37.04	.....	37.57	38.03
10	37.10	37.14	36.77	36.87	36.54	36.22	36.53	36.68	37.04	.....	37.23	38.10
11	37.29	37.61	37.06	36.58	36.69	36.16	36.53	36.68	37.12	.....	37.31	38.00
12	37.05	37.85	37.22	36.71	36.50	36.45	36.56	36.67	37.22	.....	37.65	37.87
13	37.43	37.57	37.37	36.65	36.28	36.60	36.57	36.68	37.14	37.23	e37.79	37.76
14	37.09	37.20	37.08	36.76	36.52	36.59	36.49	36.78	37.10	37.15	e37.41	37.74
15	37.18	37.25	36.96	36.98	36.57	36.58	36.41	36.80	37.05	37.27	.....	37.87
16	37.18	37.14	37.41	36.82	36.45	36.59	36.50	36.71	37.09	37.35	.....	37.74
17	37.29	37.56	37.12	36.97	36.48	36.53	36.55	36.62	37.15	37.22	38.04	37.63
18	37.17	37.34	37.20	36.79	36.49	36.47	36.58	36.75	37.09	37.40	37.69	37.80
19	37.44	37.27	37.06	36.76	36.47	36.40	36.62	36.79	36.95	37.68	37.78	38.21
20	37.37	37.29	36.70	36.80	36.41	36.45	36.60	36.76	36.94	37.64	37.71	37.90
21	36.92	37.53	36.53	36.73	36.35	36.41	36.54	36.77	37.05	37.55	37.50	37.78
22	37.08	37.45	37.19	36.62	36.31	36.42	36.54	36.77	37.13	37.56	37.37	37.43
23	37.24	37.62	37.10	36.46	36.41	36.41	36.52	36.84	37.09	37.45	37.80	37.46
24	36.98	37.49	37.17	36.22	36.27	36.43	36.50	36.85	37.28	37.65	37.97	37.63
25	37.40	37.56	36.87	36.71	36.46	36.39	36.53	36.90	37.40	37.55	37.70	38.11
26	37.28	37.23	37.35	36.99	36.33	36.50	36.56	36.84	37.26	37.36	37.65	38.11
27	37.54	37.13	37.29	36.83	36.44	36.56	.....	36.80	37.16	37.44	37.42	38.06
28	37.19	37.00	37.05	36.78	36.37	36.54	.....	36.82	37.22	37.29	37.75	37.95
29	37.25		37.13	36.96	36.45	36.44	.....	36.72	37.04	37.31	37.91	38.00
30	37.53		37.10	37.04	36.54	36.44	.....	36.86	37.30	37.39	38.03	38.10
31	37.11		.....		36.62		.....	36.99		37.65		37.80

e Estimated.

8730-3750-143. Audie Wilson. Lat. 37°52', long. 87°34'. Drilled unused artesian well in sandstone and shale of Carbondale formation, diameter 6 inches, depth 109 feet, cased to 57. Land-surface datum is 385 feet above msl. Highest water level 27.12 below lsd, Mar. 7, 1950; lowest 43.83 below lsd, Dec. 28, 1954. Records available: 1949-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.74	43.16	42.53	35.51	34.69	36.34	37.82	e39.04	40.00	e40.74	41.30	41.66
2	43.74	43.17	42.46	35.20	34.73	36.38	37.88	e39.07	40.02	e40.75	41.30	41.65
3	43.71	43.16	42.38	34.98	34.77	36.46	37.91	e39.10	40.06	e40.77	41.33	41.67
4	43.68	43.13	42.29	34.77	34.84	36.50	37.94	e39.14	40.08	e40.79	41.34	41.67
5	43.65	43.13	42.22	34.61	34.88	36.55	37.97	e39.17	40.12	e40.81	41.33	41.70
6	43.66	43.13	42.14	34.45	34.92	36.62	38.01	e39.20	40.13	e40.83	41.36	41.70
7	43.61	43.10	42.04	34.38	34.96	36.68	38.05	e39.23	40.15	e40.85	41.38	41.70
8	43.59	43.09	41.91	34.24	35.05	36.72	38.11	e39.27	40.18	e40.87	41.39	41.72
9	43.57	43.06	41.79	34.17	35.09	36.76	38.14	39.30	40.22	e40.89	41.40	41.73
10	43.55	43.07	41.67	34.06	35.14	36.81	38.22	39.33	40.24	40.91	41.40	41.73
11	43.55	43.03	41.56	33.98	35.21	36.86	38.24	39.35	40.25	40.92	41.43	41.73
12	43.55	43.02	41.42	33.95	35.25	36.91	38.31	39.38	40.31	e40.95	41.45	41.73
13	43.54	42.98	.....	33.92	35.26	36.97	38.35	39.42	40.32	40.96	41.46	41.74
14	43.48	42.96	.....	33.94	35.34	37.02	38.39	39.45	40.35	40.98	41.49	41.78
15	43.50	42.93	.....	33.98	35.39	37.08	38.41	39.50	40.36	41.00	e41.51	41.79

8730-3750-143--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	43.47	42.92	.....	33.98	35.43	37.13	38.45	39.53	40.40	41.01	e41.53	41.78
17	43.45	42.92	.....	34.04	35.48	37.16	e38.50	39.55	40.43	41.03	41.54	41.79
18	43.40	42.90	.....	34.03	35.53	37.21	e38.55	39.59	40.44	41.06	41.52	41.81
19	43.41	42.88	.....	34.07	35.59	37.24	e38.58	39.63	40.48	41.09	41.56	41.82
20	43.39	42.89	.....	34.13	35.63	37.31	e38.62	39.66	40.49	41.10	41.55	41.81
21	43.36	42.86	.....	34.18	35.69	37.35	e38.66	39.69	40.54	41.12	41.56	41.83
22	43.36	42.84	.....	34.22	35.74	37.42	e38.70	39.70	40.55	41.13	41.56	41.82
23	43.33	42.83	.....	34.21	35.79	37.47	e38.73	39.74	40.57	41.13	41.61	41.83
24	43.30	42.79	.....	34.27	35.84	37.51	e38.77	39.76	e40.59	41.17	41.60	41.85
25	43.30	42.75	.....	34.36	35.93	37.54	e38.80	39.82	e40.61	41.17	41.59	41.87
26	43.26	42.68	.....	34.41	35.98	37.59	e38.84	39.83	e40.63	41.19	41.60	41.88
27	43.26	42.63	.....	34.46	36.06	37.65	e38.87	39.87	e40.65	41.21	41.61	41.88
28	43.24	42.56	.....	34.50	36.11	37.68	e38.90	39.88	e40.67	41.22	41.63	41.89
29	43.21		h36.27	34.59	36.16	37.73	e38.94	39.90	e40.68	41.23	41.63	41.91
30	43.21		35.99	34.65	36.26	37.77	e38.97	39.94	e40.71	41.29	41.66	41.92
31	43.16		35.71		36.31		e39.00	39.97		41.29		41.92

e Estimated.
h Tape measurement.

8730-3750-209. Russell E. Toone. Lat. 37°52', long. 87°34'. Driven unused artesian and water-table well in alluvium of Pleistocene and Recent age, diameter 1¼ inches, depth 55 feet, perforations 53-55. Highest water level 32.64 below lsd, Apr. 20, 1951; lowest 51.20 below lsd, Oct. 27, 1954. Records available: 1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	49.19	May 5	41.14	Aug. 10	47.32	Oct. 31	49.55
Mar. 14	46.65	June 14	43.97	Sept. 21	48.86	Dec. 27	50.27
Apr. 1	41.56						

8735-3745-1. Harold K. Wright. Lat. 37°48', long. 87°38'. Drilled unused artesian well in alluvium of Pleistocene and Recent age, diameter 4 inches, depth 54 feet, cased to 48. Land-surface datum is 385 feet above msl. Highest water level 10.80 below lsd, Feb. 24, 1950; lowest 29.29 below lsd, Dec. 28, 1955. Records available: 1949-55.

Feb. 1	27.19	May 3	18.69	Aug. 6	22.63	Dec. 1	26.45
Mar. 2	22.93	June 1	18.71	Sept. 19	26.01	28	29.29
30	22.88	July 6	20.61	Oct. 28	27.92		

Hopkins County

8735-3720-11. R. K. Brooks. Lat. 37°24', long. 87°37'. Drilled unused artesian well in Lisman formation, diameter 6 inches, depth 50 feet. Land-surface datum is about 425 feet above msl. Highest water level 1.06 below lsd, May 18, 1953; lowest 16.48 below lsd, Dec. 26, 1952. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.05	10.11	5.33	5.74	5.61	7.79	8.55	8.90	.....	10.16	10.34	10.03
2	10.03	10.08	5.53	5.77	5.75	7.83	8.58	8.92	.....	10.17	10.33	9.99
3	10.04	10.12	5.88	5.87	5.91	7.84	8.61	8.93	.....	10.19	10.35	9.99
4	10.05	10.13	5.94	6.01	6.00	7.84	8.61	8.96	.....	10.19	10.34	9.99
5	10.04	10.14	6.10	6.14	6.09	7.85	8.60	8.98	.....	10.17	10.31	9.98
6	10.06	10.12	6.19	6.23	6.20	7.86	8.58	8.97	.....	10.17	10.28	10.01
7	10.08	10.06	6.26	6.38	6.28	7.90	8.58	8.97	.....	10.16	10.24	9.98
8	10.10	10.09	6.40	6.51	6.42	7.88	8.59	8.96	.....	10.22	10.25	9.95
9	10.11	10.11	6.45	6.60	6.52	7.97	8.62	8.98	.....	10.24	10.24	9.95
10	10.12	10.11	6.47	6.66	6.57	7.99	8.63	9.00	.....	10.25	10.20	9.94
11	10.11	10.13	6.50	6.57	6.65	8.00	8.65	9.00	.....	10.25	10.17	9.93
12	10.13	10.14	6.63	6.55	6.66	8.06	8.67	9.00	.....	10.22	10.14	9.93
13	10.16	10.15	6.86	4.91	6.64	8.18	8.70	9.01	.....	10.22	10.15	9.93
14	10.13	10.14	6.93	4.74	6.62	8.24	8.70	9.07	.....	10.21	10.16	9.94
15	10.14	10.11	6.94	4.86	6.70	8.28	8.63	.....	.....	10.23	10.16	9.94
16	10.13	10.11	6.25	4.98	6.74	8.32	8.66	.....	.....	10.24	10.11	9.94
17	10.11	10.11	6.04	5.19	6.81	8.32	8.69	.....	.....	10.24	10.11	9.95
18	10.11	10.00	5.86	5.38	6.89	8.34	8.72	.....	.....	10.26	10.06	9.95
19	10.10	9.98	5.72	5.57	6.94	8.34	8.76	.....	.....	10.31	10.02	9.96
20	10.08	9.98	5.69	5.72	7.01	8.36	8.77	.....	.....	10.33	10.02	9.97

8735-3720-11--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	10.09	7.20	4.10	5.79	7.03	8.39	8.77	.....	.....	10.34	10.01	9.98
22	10.10	5.98	4.01	5.92	7.05	8.40	8.77	.....	.....	10.36	9.99	10.00
23	10.11	5.90	4.20	4.83	7.18	8.42	8.77	.....	.....	10.37	9.96	10.01
24	10.11	5.97	4.57	4.46	7.19	8.43	8.72	.....	.....	10.37	9.96	10.00
25	10.10	6.12	4.74	4.48	7.29	8.41	8.74	.....	.....	10.38	10.00	9.98
26	10.09	6.22	5.03	4.66	7.33	8.47	8.80	.....	.....	10.37	10.00	9.98
27	10.11	5.36	5.21	4.85	7.41	8.52	8.83	.....	.....	10.37	10.00	9.99
28	10.11	4.85	5.25	5.01	7.45	8.56	8.83	.....	.....	10.35	10.00	10.01
29	10.07		5.35	5.22	7.51	8.55	8.83	.....	.....	10.35	10.00	10.02
30	10.12		5.48	5.42	7.61	8.56	8.83	.....	10.12	10.35	10.00	10.05
31	10.13		5.65		7.72		8.88	.....		10.35		10.07

Jefferson County

38-19-2. Louisville Water Co. River Rd., northeast of Goose Creek. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 110 feet, screen 94-96. Land-surface datum is 438.46 feet above msl. Highest water level 1.84 below lsd, Jan. 14, 1950; lowest 20.97 below lsd, Feb. 3, 1948. Records available: 1946-55. Jan. 24, 18.36; Mar. 3, 4.03; June 1, 18.51; Sept. 9, 19.01; Nov. 29, 18.50.

41-16-2. Louisville Water Co. Zorn Ave., south of River Rd. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 94 feet, screen 82-84. Land-surface datum is 428.46 feet above msl. Highest water level 2.37 above lsd, Jan. 21, 1950; lowest 11.75 below lsd, Feb. 9, 1948. Records available: 1946-55. June 1, 8.09; Sept. 9, 9.30; Nov. 29, 8.76.

41-16-3. Louisville Water Co. River Rd. and Zorn Ave. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 104 feet, screen 98-100. Land-surface datum is 435.79 feet above msl. Highest water level 1.21 above lsd, Apr. 23, 1948; lowest 19.61 below lsd, Feb. 13, 1948. Records available: 1946-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.59	16.74	12.92	11.11	15.14	15.37	15.96	16.26	16.44	.....	16.30	16.05
2	16.58	16.71	11.58	11.59	15.10	15.41	16.01	16.27	16.45	.....	16.30	16.05
3	16.43	16.70	10.02	12.06	15.13	15.51	16.06	16.27	16.45	.....	16.12	16.06
4	16.27	16.71	8.02	12.48	15.14	15.56	16.07	16.27	16.48	16.50	16.05	15.97
5	16.12	16.71	5.66	12.79	15.15	15.57	16.09	16.30	16.50	16.46	15.96	15.94
6	16.07	16.56	.....	13.04	15.22	15.58	16.09	16.31	16.50	16.46	15.95	15.95
7	16.01	16.51	.....	13.34	15.22	15.64	16.10	16.32	16.50	16.25	15.95	15.95
8	15.97	16.49	.....	13.61	15.25	15.64	16.14	16.33	16.50	16.22	15.96	16.03
9	15.91	16.43	.....	13.81	15.37	15.65	16.04	16.37	16.51	16.16	15.97	16.11
10	15.90	16.42	.....	13.90	15.40	15.64	15.98	16.37	16.51	16.10	15.98	16.12
11	15.91	16.26	.....	13.99	15.44	15.69	16.02	16.37	16.50	16.10	16.01	16.13
12	15.91	16.07	.....	14.09	15.50	15.68	16.02	16.38	16.52	16.10	16.08	16.14
13	15.94	15.90	.....	14.20	15.51	15.50	16.04	16.38	16.56	16.10	16.09	16.18
14	16.07	15.71	.16	14.30	15.33	15.48	16.03	16.38	16.56	16.10	16.10	16.16
15	16.16	15.73	2.18	14.49	15.26	15.50	16.03	16.43	16.56	16.14	16.06	16.15
16	16.24	15.74	3.29	14.62	15.37	15.54	16.12	16.43	16.58	16.14	15.94	16.18
17	16.29	15.77	4.16	14.72	15.43	15.54	16.14	16.43	16.59	16.14	15.96	16.21
18	16.31	15.77	4.64	14.78	15.43	15.53	16.15	16.35	16.59	16.20	15.95	16.22
19	16.33	15.78	5.23	14.84	15.26	15.45	16.14	16.37	16.56	16.24	15.88	16.25
20	16.42	15.80	5.75	14.84	15.31	15.50	16.14	16.38	16.56	16.19	15.99	16.28
21	16.46	15.81	5.75	14.92	15.29	15.64	16.15	16.42	16.58	16.11	16.06	16.30
22	16.46	15.58	5.14	14.95	15.32	15.70	16.18	16.39	16.59	16.11	16.00	16.31
23	16.46	15.53	4.33	15.03	15.33	15.72	16.21	16.34	16.59	16.10	15.97	16.33
24	16.42	15.48	3.93	15.07	15.40	15.74	16.21	16.33	16.59	16.10	15.94	16.34
25	16.39	15.40	3.96	15.07	15.46	15.74	16.26	16.29	16.58	16.13	15.88	16.36
26	16.35	15.33	4.74	15.08	15.45	15.77	16.26	16.35	.....	16.14	15.87	16.37
27	16.30	14.88	5.46	15.08	15.48	15.77	16.23	16.38	.....	16.18	15.87	16.38
28	16.42	13.71	6.40	15.08	15.50	15.89	16.26	16.40	.....	16.19	16.04	16.38
29	16.60		8.09	15.12	15.36	15.89	16.19	16.41	.....	16.16	16.05	16.36
30	16.70		9.63	15.15	15.31	15.89	16.17	16.44	.....	16.21	16.05	16.37
31	16.73		10.38		15.30		16.21	16.44		16.29		16.39

42-16-15. Louisville Water Co. West of Louisville Water Co. pumping station at Zorn Ave. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 102 feet, screen 96-98. Land-surface datum is 435.11 feet above msl. Highest water level 0.38 above lsd, Feb. 10, 1950; lowest 18.34 below lsd, Feb. 3, 1948. Records available: 1946-55. Mar. 4, 2.68; June 1, 15.28; Sept. 9, 15.71; Nov. 29, 15.33.

43-15-1. City of Louisville. Letterle Ave. and Lloyd St. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 58 feet, cased to 58. Land-surface datum is 446.45 feet above msl. Highest water level 6.39 below lsd, Apr. 20, 1948; lowest 38.45 below lsd, Feb. 23, 1954. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	35.05	Apr. 12	28.89	July 12	33.19	Sept. 26	34.26
10	34.91	19	29.98	18	32.94	Oct. 3	34.03
17	34.83	26	30.54	25	33.30	10	33.51
24	34.70	May 3	31.06	Aug. 1	33.63	17	33.75
31	34.76	17	31.54	8	33.75	24	34.03
Feb. 21	33.76	24	31.85	15	33.99	31	33.81
28	32.18	31	31.80	22	34.10	Nov. 14	33.53
Mar. 7	20.84	June 7	32.34	29	34.25	21	33.39
14	17.91	14	32.47	Sept. 6	34.24	28	33.42
21	22.05	21	32.68	12	34.22	Dec. 12	33.60
29	23.57	28	32.93	19	34.18	27	33.85
Apr. 5	27.19	July 5	33.04				

44-14-1. Southeastern Greyhound Lines. Caldwell and Floyd Sts., Louisville. Drilled unused water-table well in glacial sand and gravel, diameter 10 inches, depth 90 feet. Land-surface datum is 456.96 feet above msl. Highest water level 61.25 below lsd, June 29, 1945; lowest 71.13 below lsd, Aug. 24, 1954. Records available: 1943-54. Measurement discontinued.

44-15-6. Ohio River Sand Co. 129 River Rd., Louisville. Drilled unused artesian and water-table well in glacial sand and gravel, diameter 6 inches, depth 130 feet. Land-surface datum is 440.13 feet above msl. Highest water level 30.55 below lsd, Feb. 8, 1950; lowest 40.32 below lsd, Dec. 30, 1954. Records available: 1945-55. Mar. 4, 37.16; June 1, 38.02; Sept. 8, 39.10; Nov. 28, 40.04.

45-14-2. City of Louisville. Fourth and York Sts., Louisville. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 115 feet, cased to 115. Land-surface datum is 453.42 feet above msl. Highest water level 12.32 below lsd, Feb. 14, 1937; lowest 77.65 below lsd, Sept. 26, 1955. Records available: 1937-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	71.61	70.98	70.54	69.95	70.82	72.40	73.92	76.30	77.31	77.57	75.99	74.10
2	71.72	71.01	70.51	69.94	70.86	72.46	74.01	76.32	77.30	77.53	75.92	74.04
3	71.75	71.05	70.43	69.93	70.90	72.54	74.10	76.40	77.29	77.49	75.83	73.98
4	71.65	71.03	70.39	69.93	70.92	72.61	74.16	76.47	77.28	77.51	75.76	73.92
5	71.63	71.01	70.40	69.93	70.99	72.69	74.22	76.51	77.35	77.51	75.68	73.87
6	71.64	71.00	70.39	69.96	71.05	72.76	74.31	76.57	77.21	77.52	75.59	73.81
7	71.62	70.99	70.36	69.94	71.14	72.85	74.40	76.62	77.24	77.57	75.49	73.76
8	71.58	70.97	70.34	69.94	71.24	72.92	74.50	76.65	77.29	77.57	75.43	73.71
9	71.55	70.92	70.30	69.94	71.32	72.99	74.60	76.68	77.31	77.52	75.33	73.69
10	71.52	70.89	70.26	69.91	71.36	73.04	74.68	76.74	77.35	77.47	75.25	73.65
11	71.51	70.88	70.25	69.88	71.42	73.08	74.78	76.79	77.38	77.44	75.19	73.60
12	71.49	70.81	70.24	69.87	71.46	73.11	74.86	76.82	77.37	77.42	75.13	73.54
13	71.47	70.76	70.25	69.92	71.50	73.11	74.95	76.84	77.37	77.42	75.07	73.51
14	71.49	70.68	70.21	69.97	71.55	73.06	75.04	76.86	77.36	77.39	75.02	73.47
15	71.46	70.68	70.20	70.00	71.59	73.05	75.14	76.86	77.39	77.35	74.96	73.44
16	71.42	70.66	70.24	70.01	71.61	73.05	75.23	76.88	77.42	77.30	74.94	73.37
17	71.39	70.68	70.26	70.03	71.69	73.09	75.30	76.93	77.44	77.22	74.92	73.32
18	71.36	70.62	70.23	70.06	71.76	73.13	75.39	76.99	77.47	77.17	74.87	73.27
19	71.32	70.57	70.21	70.13	71.81	73.16	75.47	77.03	77.48	77.10	74.82	73.24
20	71.31	70.55	70.18	70.23	71.84	73.21	75.53	77.06	77.47	77.02	74.76	73.17
21	71.27	70.50	70.14	70.31	71.88	73.26	75.60	77.07	77.50	76.91	74.70	73.12
22	71.23	70.48	70.14	70.40	71.90	73.34	75.69	77.11	77.55	76.82	74.60	73.03
23	71.20	70.46	70.15	70.46	71.93	73.42	75.77	77.12	77.58	76.71	74.61	72.97
24	71.16	70.44	70.13	70.50	71.99	73.49	75.85	77.14	77.62	76.63	74.56	72.95
25	71.16	70.43	70.10	70.58	72.05	73.55	75.91	77.16	77.63	76.55	74.48	72.93
26	71.15	70.48	70.08	70.65	72.12	73.63	75.95	77.18	77.58	76.46	74.43	72.90
27	71.14	70.51	70.06	70.70	72.21	73.66	76.02	77.21	77.55	76.39	74.37	72.84
28	71.07	70.54	70.04	70.72	72.26	73.70	76.08	77.23	77.57	76.29	74.27	72.80
29	71.05		70.01	70.76	72.26	73.76	76.12	77.28	77.57	76.22	74.21	72.78
30	71.00		70.00	70.80	72.27	73.85	76.17	77.29	77.58	76.22	74.17	72.75
31	70.96		69.97		72.29		76.22	77.31		76.07		72.70

45-15-4. City of Louisville. Fifth and Jefferson Sts. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 109 feet, cased to 109. Land-surface datum is 461.55 feet above msl. Highest water level 19.78 below lsd, June 17, 1937; lowest 80.51 below lsd, Nov. 14, 1955. Records available: 1937-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	79.22	Apr. 19	77.08	July 12	77.25	Oct. 3	80.02
10	79.04	26	76.92	18	77.39	10	80.46
17	78.92	May 3	76.83	25	77.62	17	80.25
24	78.76	10	76.80	Aug. 1	77.87	24	80.36
31	78.66	17	76.67	8	78.09	31	80.44
Feb. 21	78.27	24	76.63	15	78.36	Nov. 7	80.48
28	78.11	31	76.64	22	78.64	14	80.51
Mar. 7	77.99	June 7	76.70	29	78.93	21	80.47
14	77.86	14	76.75	Sept. 6	78.80	28	80.43
21	77.70	21	76.80	13	79.40	Dec. 5	80.34
29	77.48	28	76.92	20	79.77	12	80.29
Apr. 5	77.33	July 5	77.05	26	79.86	27	80.09
12	77.20						

45-15-36. Kentucky Hotel. Fifth and Walnut Sts., Louisville. Drilled unused water-table well in glacial sand and gravel, diameter 10 inches, depth 104 feet, screen 84-104. Land-surface datum is 460 feet above msl. Highest water level 70.09 below lsd, Apr. 7, 1952; lowest 87.82 below lsd, Aug. 19, 1955. Records available: 1948-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	76.73	75.49	74.96	74.25	76.62	79.30	81.65	85.59	87.16	87.10	82.36	79.38
2	76.68	75.54	74.97	74.25	76.75	79.39	81.80	85.81	87.15	86.96	82.21	79.30
3	76.59	75.53	74.90	74.32	76.94	79.53	81.87	85.92	86.99	86.73	82.11	79.30
4	76.59	75.45	74.91	74.31	77.18	79.63	81.76	85.95	86.87	86.75	81.94	79.26
5	76.58	75.37	75.02	74.43	77.48	79.69	81.86	85.98	86.63	86.77	81.79	79.15
6	76.63	75.32	74.96	74.77	77.73	79.80	82.16	86.12	86.54	86.84	81.69	79.10
7	76.58	75.30	74.86	74.78	78.00	79.96	82.39	86.13	86.73	86.95	81.52	79.01
8	76.50	75.30	74.73	74.64	78.05	79.77	82.56	86.06	86.81	86.70	81.41	79.02
9	76.46	75.25	74.67	74.59	77.65	79.73	82.76	86.24	86.88	86.51	81.26	79.00
10	76.39	75.20	74.68	74.84	77.78	79.64	82.91	86.37	87.04	86.21	81.12	78.94
11	76.35	75.24	74.83	74.79	77.82	79.45	83.04	86.48	87.00	86.14	81.01	78.87
12	76.30	75.18	74.93	74.90	77.75	79.28	83.29	86.56	86.77	86.01	80.96	78.76
13	76.28	75.13	74.98	75.12	77.80	79.01	83.50	86.65	86.73	85.83	80.89	78.68
14	76.20	75.08	74.84	75.35	77.93	78.89	83.63	86.53	86.70	85.49	80.81	78.61
15	76.17	75.05	74.86	75.35	77.82	78.88	83.72	86.42	86.93	85.15	80.93	78.60
16	76.14	75.02	74.94	75.36	77.80	79.13	83.83	86.58	87.04	84.86	81.38	78.51
17	76.07	75.05	74.85	75.59	78.06	79.42	83.80	86.66	87.15	84.54	81.12	78.42
18	76.03	74.99	74.75	75.81	78.04	79.67	83.87	86.75	87.19	84.29	80.85	78.38
19	76.02	75.00	74.68	76.16	78.16	79.81	84.11	87.82	87.11	84.08	80.69	78.30
20	75.98	75.03	74.65	76.51	78.30	80.01	84.36	86.87	87.33	83.87	80.54	78.24
21	75.89	74.96	74.56	76.68	78.51	80.40	84.59	86.80	87.45	83.72	80.39	78.18
22	75.86	74.93	74.61	76.88	78.69	80.65	84.74	86.64	87.57	83.68	80.31	78.13
23	75.85	74.94	74.60	76.99	78.70	80.82	84.83	86.83	87.59	83.54	80.27	78.07
24	75.77	74.90	74.56	77.04	78.93	80.92	84.73	86.92	87.56	83.58	80.18	78.07
25	75.78	74.86	74.48	76.65	79.24	80.99	84.63	87.06	87.36	83.30	80.01	78.06
26	75.74	74.89	74.48	76.36	79.22	80.89	84.86	87.09	87.14	83.06	79.94	77.96
27	75.72	74.85	74.41	76.20	79.51	80.90	84.98	87.23	87.13	83.04	79.82	.....
28	75.66	74.82	74.33	75.88	79.72	81.05	85.13	87.15	87.16	83.06	79.71	77.79
29	75.64		74.29	75.90	79.81	81.16	85.26	86.97	87.13	82.92	79.61	77.76
30	75.62		74.26	76.39	79.45	81.36	85.45	87.12	87.20	82.82	79.51	77.75
31	75.54		74.23		79.19		85.60	87.16		82.51		77.70

46-11-2. Rubber Reserve Co. Taylor Blvd. and Hathaway St., Louisville. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 60 feet, screen 53-55. Land-surface datum is 458.66 feet above msl. Highest water level 45.70 below lsd, Sept. 26, 1950; lowest 52.63 below lsd, May 25, 1955. Records available: 1945-55. Feb. 24, 52.55; May 25, 52.63; Aug. 31, 52.23; Nov. 16, 52.07.

46-14-28. American Tobacco Co. 17th St. and Broadway. Louisville. Drilled unused water-table well in glacial sand and gravel, diameter 12 inches, depth 113 feet, screen 93-113. Land-surface datum is 456.09 feet above msl. Highest water level 70.38 below lsd, Apr. 10, 1952; lowest 80.23 below lsd, Nov. 23, 1955. Records available: 1945, 1950-55. Mar. 1, 77.40; May 27, 78.16; Sept. 8, 79.71; Nov. 23, 80.23.

47-12-1. City of Louisville. East of Dixie Highway at Ralph Ave. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 96 feet, cased to 96. Land-surface datum is 462.93 feet above msl. Highest water level 34.54 below lsd, July 13, 1939; lowest 71.06 below lsd, Feb. 3, 1945. Records available: 1935-55. Feb. 24, 67.35; May 25, 66.50; Aug. 31, 65.16; Nov. 16, 66.61.

47-12-2. City of Louisville. West of Seventh Street Rd., north of Yellowstone, Inc. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 102 feet, cased to 102. Land-surface datum is 453.59 feet above msl. Highest water level 24.51 below lsd, July 13, 1939; lowest 59.63 below lsd, Feb. 19, 1945. Records available: 1935-55. Feb. 25, 56.32; May 25, 55.30; Aug. 31, 54.63; Nov. 16, 55.59.

47-12-3. City of Louisville. West end of Weyler Ave. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 97 feet, cased to 97. Land-surface datum is 448.60 feet above msl. Highest water level 18.69 below lsd, Mar. 8, 1937; lowest 52.19 below lsd, Feb. 19, 1945. Records available: 1935-55. Feb. 24, 49.45; May 25, 49.12; Aug. 31, 48.65; Nov. 16, 49.08.

47-12-4. Joseph E. Seagram & Sons Co. Seventh Street Rd. at Wathens Lane. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet. Land-surface datum is 458.64 feet above msl. Highest water level 55.53 below lsd, Apr. 6, 1953; lowest 88.37 below lsd, Mar. 9, 1944. Records available: 1943-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	66.25	66.16	66.33	67.52	65.87	67.53	69.22	64.35	68.08	67.36	66.76	68.03
2	65.55	66.32	66.32	66.38	66.54	67.05	69.18	64.38	68.02	66.43	66.93	68.12
3	66.28	66.78	66.64	66.00	67.03	67.53	67.49	65.48	66.56	66.93	67.09	66.68
4	66.98	67.14	67.15	66.60	66.72	68.51	66.58	66.45	66.45	67.33	67.13	66.03
5	66.29	66.03	66.16	66.53	67.20	67.73	66.54	66.93	65.73	67.28	67.14	67.08
6	66.58	65.73	65.94	67.22	67.50	67.26	67.43	65.18	66.37	67.23	66.36	67.56
7	67.00	65.28	66.66	66.28	66.59	67.23	68.11	64.74	66.63	67.32	66.43	67.77
8	66.15	64.68	67.18	66.28	65.82	67.71	68.66	66.03	66.76	66.48	67.13	67.98
9	65.36	65.23	67.43	65.76	66.52	67.64	69.26	66.88	67.53	65.98	67.48	68.13
10	66.05	66.22	67.46	65.26	66.94	67.58	68.04	66.68	67.78	66.71	67.88	67.18
11	66.68	64.95	67.59	66.02	67.18	67.42	67.94	67.54	66.42	67.01	67.93	66.48
12	66.73	64.43	66.66	66.43	67.31	66.72	67.98	67.86	66.48	67.01	68.16	67.26
13	66.76	64.13	66.08	66.75	67.48	66.78	67.76	66.95	67.39	67.04	67.28	67.81
14	66.88	65.28	66.32	66.68	66.78	66.97	67.38	66.56	67.65	66.93	67.80	68.04
15	65.91	66.11	66.86	66.54	65.90	67.98	67.08	67.38	67.98	67.14	67.93	68.35
16	65.45	66.30	66.98	66.10	66.68	68.68	66.35	67.73	68.23	66.21	68.26	68.42
17	66.45	66.58	67.18	65.73	67.03	67.83	65.93	67.90	66.66	66.66	68.23	67.03
18	66.63	66.89	66.88	66.12	66.48	67.43	65.23	68.13	66.39	66.96	68.28	66.33
19	66.43	65.13	66.13	66.52	66.83	67.50	64.98	68.15	67.18	67.08	66.88	67.13
20	66.98	64.58	65.53	66.66	66.88	67.03	64.84	68.23	67.51	67.13	65.92	67.58
21	66.93	65.61	66.08	67.15	66.70	67.64	64.59	66.88	67.41	67.23	67.13	67.75
22	66.32	66.37	66.54	67.84	66.85	68.08	64.43	68.03	67.43	65.86	67.38	67.93
23	65.53	65.84	66.42	66.78	66.48	68.65	64.18	68.10	67.48	65.32	67.63	68.02
24	65.30	66.54	66.67	66.08	66.63	68.93	64.03	68.28	67.45	66.36	66.57	66.38
25	66.07	66.83	66.90	66.58	66.86	67.90	63.89	68.22	66.68	66.71	67.00	65.98
26	66.30	65.74	67.11	66.92	67.18	67.78	63.83	68.33	66.93	66.88	67.27	65.48
27	66.71	65.48	66.23	66.10	67.73	67.98	63.78	67.13	67.15	67.08	67.16	66.68
28	67.05	65.95	66.74	67.36	67.73	67.58	63.73	66.13	67.32	67.18	67.28	67.30
29	66.13		67.29	67.04	66.98	68.62	63.63	67.15	67.28	67.18	67.60	67.64
30	65.58		67.28	65.88	66.17	68.53	63.53	67.53	66.98	66.12	67.62	67.86
31	66.16		67.24		66.83		63.44	68.03		66.48		66.78

47-12-14. National Distillers Products Corp. Old Grand Dad Plant, Bernheim Lane. Drilled observation water-table well in glacial sand and gravel, diameter 8 inches, depth 97 feet. Land-surface datum is 454.37 feet above msl. Highest water level 52.06 below lsd, Apr. 22, 1953; lowest 79.4 below lsd, Sept. 20, 1943. Records available: 1941-55. Feb. 25, 60.00; May 25, 60.07; Aug. 31, 60.38; Nov. 17, 60.57.

47-14-10. National Distillers Products Corp. Old Sunnybrook Plant, 28th St. and Broadway, Louisville. Drilled unused artesian and water-table well in Louisville limestone, diameter 6 inches, depth 204 feet. Land-surface datum is 452.89 feet above msl. Highest water level 63.27 below lsd, Apr. 11, 1944; lowest 75.16 below lsd, Nov. 23, 1955. Records available: 1944-55. Jan. 3, 72.45; Mar. 1, 73.02; May 27, 73.37; Sept. 8, 74.54; Nov. 23, 75.16.

48-12-1. City of Louisville. East of Cane Run Rd., south of Millers Lane. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 117 feet, cased to 117. Land-surface datum is 453.61 feet above msl. Highest water level 29.50 below lsd, Aug. 12, 1937; lowest 64.78 below lsd, Nov. 16, 1955. Records available: 1935-55. Feb. 24, 63.65; May 25, 64.16; Aug. 31, 64.40; Nov. 16, 64.78.

48-12-2. City of Louisville. East of Tucker Ave., south of Millers Lane. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 117 feet, cased to 117. Land-surface datum is 465.95 feet above msl. Highest water level 41.36 below lsd, Sept. 9, 1937; lowest 76.23 below lsd, Nov. 16, 1955. Records available: 1935-55. Feb. 24, 75.35; May 25, 75.87; Aug. 31, 76.02; Nov. 16, 76.23.

48-14-1. City of Louisville. 38th St. and Greenwood Ave. Drilled observation water-table well in glacial sand and gravel, diameter 4 inches, depth 93 feet, cased to 93. Land-surface datum is 441.62 feet above msl. Highest water level 28.31 below lsd, Sept. 16, 1939; lowest 60.24 below lsd, Nov. 23, 1955. Records available: 1939-55. Mar. 1, 59.14; May 27, 59.35; Sept. 7, 59.72; Nov. 23, 60.24.

48-15-2. Klarer Provision Co. 210 Amy Ave., Louisville. Drilled unused artesian well in Louisville limestone, diameter 6 inches, depth 80 feet. Land-surface datum is 454.75 feet above msl. Highest water level 44.80 below lsd, July 18, 1951; lowest 51.04 below lsd, Mar. 1, 1955. Records available: 1948-55. Jan. 3, 50.79; Mar. 1, 51.04; May 27, 50.69; Sept. 7, 50.32; Nov. 23, 50.10.

49-13-22. Bond Bros. South of Bells Lane. Drilled unused water-table well in glacial sand and gravel, diameter 8 inches, depth 170 feet, screen 74-114. Land-surface datum is 449.99 feet above msl. Highest water level 40 (reported by company) below lsd, 1933; lowest 81.26 below lsd, Feb. 9, 1945. Records available: 1933-38, 1942-55. Mar. 1, 72.99; May 20, 74.35; Sept. 7, 76.84; Nov. 22, 77.26.

49-13-24. B. F. Goodrich Co. Bells Lane. Drilled observation water-table well in glacial sand and gravel, diameter 2 inches, depth 99 feet. Land-surface datum is 452.55 feet above msl. Highest water level 67.49 below lsd, June 16, 1949; lowest 95.00 below lsd, Feb. 9, 1945. Records available: 1943-55. Mar. 1, 82.72; May 20, 81.36; Sept. 7, 85.99; Nov. 22, 86.20.

50-10-2. Rubber Reserve Co. Rockford Lane, west of Mills Creek. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 94 feet, screen 90-92. Land-surface datum is 442.96 feet above msl. Highest water level 23.17 below lsd, May 10, 1952; lowest 31.00 below lsd, Dec. 30, 1955. Records available: 1945-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	30.76	30.83	30.53	30.41	30.38	30.29	30.37	30.51	30.67	30.79	30.88
2	.....	30.79	30.81	30.52	30.41	30.38	30.30	30.36	30.51	30.69	30.79	30.89
3	h30.58	30.79	30.78	30.53	30.40	30.38	30.30	30.37	30.52	30.68	30.78	30.89
4	.....	30.78	30.80	30.52	30.40	30.28	30.29	30.37	30.53	30.69	30.79	30.90
5	.....	30.79	30.78	30.52	30.40	30.38	30.29	30.37	30.53	30.69	30.79	30.90
6	.....	30.74	30.78	30.50	30.40	30.37	30.31	30.38	30.55	.....	30.80	30.89
7	.....	30.78	30.78	30.50	30.39	30.37	30.31	30.38	30.56	.....	30.80	30.90
8	.....	30.79	30.75	30.50	30.41	30.36	30.31	30.39	30.57	.....	30.81	30.91
9	.....	30.79	30.76	30.48	30.39	30.36	30.31	30.40	30.58	.....	30.81	30.92
10	h30.63	30.78	30.76	30.47	30.39	30.34	30.32	30.40	30.58	.....	30.81	30.92
11	.....	30.81	30.78	30.48	30.39	30.34	30.32	30.41	30.59	30.71	30.82	30.93
12	.....	30.83	30.77	30.47	30.38	30.36	30.32	30.41	30.60	30.70	30.82	30.93
13	.....	30.81	30.76	30.47	30.38	30.34	30.33	30.42	30.60	30.72	30.83	30.93
14	.....	30.82	30.74	30.48	30.39	30.34	30.32	30.42	30.61	30.73	30.83	30.93
15	.....	30.83	30.72	30.48	30.38	30.32	30.33	30.42	30.62	30.73	30.84	30.94
16	.....	30.84	30.75	30.47	30.38	30.32	30.33	30.41	30.63	30.73	30.87	30.94
17	h30.69	30.85	30.70	30.47	30.38	30.31	30.33	30.41	30.64	30.74	30.85	30.94
18	.....	30.84	30.71	30.46	30.38	30.31	30.33	30.42	30.64	30.74	30.84	30.95
19	.....	30.85	30.70	30.46	30.38	30.30	30.33	30.43	30.64	30.74	30.87	30.96
20	.....	30.86	30.69	30.46	30.38	30.30	30.33	30.43	30.63	30.74	30.86	30.95
21	.....	30.82	30.66	30.46	30.38	30.30	30.33	30.44	30.64	30.75	30.86	30.95
22	.....	30.81	30.68	30.46	30.38	30.30	30.34	30.44	30.64	30.75	30.86	30.95
23	.....	30.83	30.60	30.44	30.38	30.30	30.34	30.46	30.65	30.75	30.88	30.96
24	h30.71	30.84	30.60	30.44	30.38	30.30	30.34	30.46	30.66	30.76	30.87	30.96
25	.....	30.84	30.58	30.46	30.39	30.29	30.35	30.47	30.67	30.76	30.87	30.98
26	.....	30.84	30.58	30.44	30.38	30.30	30.35	30.47	30.67	30.77	30.88	30.98
27	30.74	30.80	30.57	30.42	30.39	30.30	30.35	30.48	30.67	30.77	30.88	30.98
28	30.75	30.80	30.55	30.41	30.38	30.29	30.35	30.48	30.68	30.77	30.89	30.98
29	30.75		30.55	30.42	30.38	30.30	30.36	30.49	30.68	30.78	30.88	30.99
30	30.77		30.54	30.41	30.39	30.30	30.36	30.50	30.67	30.79	30.88	31.00
31	30.77		.....		30.38		30.37	30.50		30.79		30.99

h Tape measurement.

50-12-16. Rubber Reserve Co. Kramers Lane and Camp Ground Rd. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 112 feet, screen 108-110. Land-surface datum is 445.58 feet above msl. Highest water level 49.14 below lsd, Mar. 21, 1950; lowest 67.26 below lsd, Nov. 15, 1955. Records available: 1945-55. Feb. 24, 66.26; May 20, 63.90; Sept. 7, 66.19; Nov. 15, 67.26.

50-13-58. National Carbide Corp. Bells Lane. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 99 feet. Land-surface datum is 450.29 feet above msl. Highest water level 57.73 below lsd, May 3, 1948; lowest 85.31 below lsd, Aug. 31, 1953. Records available: 1945, 1947-55. Jan. 10, 79.78; Jan. 31, 78.92; Mar. 1, 78.65; May 20, 74.76; Sept. 7, 80.12; Nov. 22, 82.24.

51-10-1. Rubber Reserve Co. Rockford Lane, east of Cane Run Rd. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 64 feet, screen 60-62. Land-surface datum is 444.18 feet above msl. Highest water level 29.17 below lsd, July 12, 1951; lowest 37.23 below lsd, Feb. 24, 1955. Records available: 1945-55. Feb. 24, 37.23; May 19, 36.41; Aug. 31, 36.53; Nov. 10, 36.91.

51-13-1. Rubber Reserve Co. Camp Ground Rd. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 107 feet, screen 103-105. Land-surface datum is 440.20 feet above msl. Highest water level 22.66 below lsd, Apr. 21, 1948; lowest 60.95 below lsd, Nov. 12, Dec. 11, 1953. Records available: 1945-55. Feb. 25, 46.62; May 20, 53.02; Sept. 7, 60.13; Nov. 17, 59.55.

52-7-2. Rubber Reserve Co. Johnsontown Rd., west of Dixie Highway. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet, screen 99-101. Land-surface datum is 449.91 feet above msl. Highest water level 33.25 below lsd, July 31, 1951; lowest 41.93 below lsd, Feb. 23, 1955. Records available: 1945-55. Feb. 23, 41.93; May 19, 41.72; Aug. 30, 41.56; Nov. 9, 41.88.

52-11-3. Rubber Reserve Co. Ohio River bank at Lees Lane. Drilled observation artesian and water-table well in glacial sand and gravel, diameter 6 inches, depth 96 feet, screen 92-94. Land-surface datum is 428.45 feet above msl. Highest water level 14.74 below lsd, Apr. 26, 1948; lowest 56.36 below lsd, Nov. 14, 1945. Records available: 1944-55. Feb. 24, 34.73; May 20, 34.78; Sept. 7, 40.64; Nov. 10, 41.56.

52-11-5. Rubber Reserve Co. West end of Lees Lane. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 117 feet, screen 113-115. Land-surface datum is 450.40 feet above msl. Highest water level 39.84 below lsd, Apr. 24, 1948; lowest 63.71 below lsd, Nov. 11, 1945. Records available: 1944-55. Feb. 24, 57.79; May 20, 56.77; Sept. 7, 62.31; Nov. 10, 63.32.

52-11-7. Rubber Reserve Co. West end of Lees Lane. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 115 feet, screen 111-113. Land-surface datum is 450.80 feet above msl. Highest water level 42.50 below lsd, Mar. 17, 1945; lowest 63.43 below lsd, Dec. 17, 1954. Records available: 1945-55. Feb. 24, 59.71; May 20, 56.45; Sept. 7, 62.05; Nov. 10, 63.30.

52-11-21. Rubber Reserve Co. Lees Lane and Camp Ground Rd. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 103 feet, screen 99-101. Land-surface datum is 435.82 feet above msl. Highest water level 28.36 below lsd, May 9, 1951; lowest 42.18 below lsd, Feb. 24, 1955. Records available: 1945-55. Feb. 24, 42.18; May 20, 37.79; Aug. 31, 40.18; Nov. 10, 41.54.

52-12-2. Rubber Reserve Co. Bramer Lane at Ohio River. Drilled observation artesian and water-table well in glacial sand and gravel, diameter 6 inches, depth 101 feet, screen 97-99. Land-surface datum is 434.30 feet above msl. Highest water level 21.49 below lsd, Apr. 24, 1948; lowest 55.34 below lsd, Oct. 13, 1954. Records available: 1945-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	51.37	53.20	42.79	36.97	.....	51.10	53.19	53.84	53.94	54.34	54.47	52.65
2	50.50	53.47	42.00	37.88	.....	51.27	53.29	53.88	53.95	54.40	54.47	52.77
3	49.27	53.49	40.92	39.07	44.47	51.39	53.36	53.92	53.97	54.49	54.37	52.92
4	48.47	53.45	40.14	40.16	44.62	51.56	53.32	54.00	54.02	54.49	54.17	53.01
5	47.84	53.46	39.30	41.34	45.07	51.66	53.39	53.97	54.08	54.47	54.17	52.95
6	47.50	53.12	38.40	42.34	46.68	51.80	53.47	53.86	54.12	54.47	54.24	52.96
7	47.17	52.37	37.60	43.16	46.47	51.92	53.47	53.88	54.16	54.07	54.34	52.97
8	46.97	51.37	36.72	43.78	47.47	51.90	53.52	53.92	54.19	53.62	54.34	53.02
9	47.02	50.42	36.01	44.60	48.25	52.05	53.28	53.99	54.22	53.88	54.22	53.02
10	47.04	49.22	35.29	45.54	48.56	51.91	53.04	54.00	54.24	54.00	54.27	52.97

52-12-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	47.16	48.32	34.82	46.14	48.99	51.92	52.67	53.92	54.26	54.17	54.21	52.92
12	47.26	47.67	34.27	46.42	49.22	51.97	52.50	53.86	54.27	54.31	54.13	53.17
13	47.57	47.30	34.12	46.63	49.40	51.84	52.62	53.82	54.29	54.34	54.05	53.26
14	47.73	47.32	34.02	46.80	49.46	51.96	52.72	53.80	54.30	54.37	54.02	53.34
15	48.12	47.64	34.15	47.15	49.32	51.96	53.06	53.76	54.30	54.39	53.97	53.41
16	48.48	47.89	34.50	47.19	49.12	51.97	53.24	53.73	54.31	54.42	53.97	53.47
17	48.87	48.12	34.44	47.19	48.92	51.98	53.36	53.69	54.32	54.45	53.71	53.56
18	49.20	48.07	34.50	46.69	48.52	51.97	53.42	53.72	54.34	54.47	53.12	53.67
19	49.66	48.05	34.52	46.34	48.42	52.20	53.33	53.80	54.34	54.52	52.87	53.72
20	50.02	48.00	34.57	45.60	48.47	52.36	53.22	53.80	54.38	54.48	52.64	53.74
21	50.50	47.79	34.38	45.55	49.35	52.44	53.25	53.80	54.41	54.51	52.47	53.80
22	51.04	47.12	34.36	46.27	49.77	52.62	53.22	53.84	54.39	54.50	52.27	53.84
23	51.37	46.52	33.86	46.37	49.90	52.75	53.22	53.80	54.47	54.44	52.10	53.94
24	51.62	46.04	33.62	46.29	50.12	52.76	53.40	53.77	54.47	54.46	51.77	53.97
25	51.94	45.77	33.26	46.14	50.36	52.82	53.50	53.77	54.47	54.55	51.52	53.98
26	52.03	45.38	33.66	45.92	50.39	52.92	53.56	53.89	54.47	54.62	51.62	53.81
27	52.21	44.35	33.72	.....	50.57	52.98	53.61	53.87	54.52	54.58	51.67	53.77
28	52.44	43.47	33.98	.....	50.66	53.00	53.65	53.92	54.50	54.47	52.07	53.80
29	52.71		34.54	.....	50.79	53.07	53.64	53.95	54.38	54.48	52.26	53.82
30	52.94		35.30	.....	50.89	53.12	53.76	54.01	54.36	54.46	52.36	53.94
31	53.04		36.09		50.95		53.87	.....		54.60		54.00

53-6-1. Rubber Reserve Co. Bethany Lane, east of Lower River Rd. Drilled observation water-table well in glacial sand and gravel, diameter 6 inches, depth 92 feet, screen 88-90. Land-surface datum is 433.89 feet above msl. Highest water level 23.96 below lsd, May 4, 1951; lowest 36.75 below lsd, Dec. 30, 1955. Records available: 1945-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	36.00	.....	.....	32.77	.....	.....	33.59	34.53	35.38	36.03	36.32	36.51
2	36.15	.....	.....	32.75	.....	.....	33.66	34.56	35.38	36.03	36.26	36.45
3	36.03	.....	.....	32.78	.....	.....	33.69	34.58	35.39	36.03	36.40	36.50
4	35.99	.....	.....	32.63	32.14	.....	33.69	34.61	35.43	36.03	36.34	36.57
5	35.98	.....	35.17	32.54	32.18	.....	33.73	34.64	35.43	36.04	36.29	36.58
6	36.04	.....	.....	32.52	.....	.....	33.77	34.67	35.46	36.08	36.34	36.57
7	36.12	.....	35.16	32.53	.....	32.83	33.80	34.69	35.48	36.11	36.38	36.48
8	35.94	.....	34.83	32.43	.....	32.84	33.88	34.71	35.51	31.09	36.39	36.57
9	35.92	.....	34.76	32.32	.....	32.95	33.90	34.75	35.55	36.10	36.33	36.65
10	35.97	.....	34.57	32.09	32.31	32.88	33.93	34.77	35.57	36.08	36.33	36.65
11	35.97	.....	34.75	32.20	32.35	32.93	33.97	34.79	35.59	36.11	36.33	36.61
12	35.89	.....	34.88	32.13	32.29	33.05	34.01	34.82	35.63	36.11	36.43	36.58
13	35.93	.....	.....	32.13	32.30	33.12	34.03	34.85	35.65	36.12	36.42	.....
14	35.90	.....	.....	32.12	32.39	33.10	34.04	34.88	35.68	36.13	36.43	.....
15	35.78	.....	.....	32.17	32.39	33.11	34.07	34.90	35.69	36.13	36.39	.....
16	35.85	.....	.....	32.16	32.37	33.12	34.13	34.93	35.72	36.14	36.57	.....
17	35.83	.....	.....	32.12	32.41	33.14	34.17	34.96	35.75	36.18	36.53	.....
18	35.82	.....	.....	32.05	32.40	33.15	34.20	34.98	35.76	36.21	36.40	.....
19	35.77	.....	.....	32.08	32.41	33.17	34.23	35.00	35.77	36.21	36.53	.....
20	35.83	.....	.....	32.07	32.43	33.21	34.25	35.03	35.80	36.20	36.41	.....
21	35.59	.....	.....	32.07	32.44	33.25	34.27	35.06	35.83	36.21	36.43	.....
22	35.63	.....	.....	32.01	32.49	33.29	34.28	35.08	35.86	36.20	36.43	.....
23	35.76	.....	.....	31.89	32.49	33.33	34.30	35.10	35.87	36.20	36.41	.....
24	35.66	35.36	.....	32.21	32.52	33.38	34.33	35.13	35.90	36.25	36.51	.....
25	35.69	.....	.....	32.25	32.58	33.34	34.38	35.17	35.93	36.21	36.48	.....
26	35.72	.....	.....	32.19	32.58	33.45	34.42	35.19	35.93	36.23	36.47	.....
27	35.72	.....	.....	32.14	32.59	33.49	34.43	35.21	35.93	36.25	36.48	.....
28	.....	.....	.....	32.21	32.61	33.52	34.44	35.24	35.96	36.23	36.53	.....
29	.....		.....	32.18	32.64	33.53	34.45	35.27	.....	36.28	36.55	36.73
30	.....		33.18	.....	32.74	33.57	34.47	35.31	.....	36.29	36.58	36.75
31	.....		32.93		32.73		34.51	35.34		36.33		36.68

53-10-1. Louisville Gas & Electric Co. Cane Run and Lower River Rds. Dug and driven unused water-table well in glacial sand and gravel, diameter 48 to 2 inches, depth 56 feet, screen 54-56. Land-surface datum is 438.72 feet above msl. Highest water level 22.14 below lsd, Apr. 19, 1948; lowest 46.80 below lsd, Sept. 30, 1954. Records available: 1943-55. Maximum reflects local surface seepage. Feb. 23, 41.33; May 19, 40.34; Aug. 30, 45.73; Nov. 10, 46.69.

Johnson County

8245-3745-93. Albert Skauge. Lat. 37°48', long. 82°46'. Drilled unused water-table well in alluvial sand, diameter 6 inches, depth 79 feet, reported cased to 82. Land-surface datum is 619 feet above msl. Highest water level 20.71 below lsd, Mar. 8, 1955; lowest 47.80 below lsd, Nov. 3, 1952. Records available: 1949-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	42.17	43.06	.....	40.35	.....	45.87	.....	46.54	46.99	47.51	46.96	46.79
2	42.77	43.42	.....	40.74	.....	45.93	.....	46.67	47.01	47.48	47.01	46.87
3	.....	43.22	.....	41.33	.....	46.01	.....	46.77	47.04	47.50	47.23	46.93
4	h43.23	42.46	h29.83	41.76	.....	46.13	.....	46.82	47.11	47.50	47.17	46.97
5	.....	42.12	30.15	42.02	.....	46.15	.....	46.87	47.12	47.50	47.14	46.88
6	.....	42.04	28.90	42.17	h43.46	46.24	h46.64	46.86	47.08	47.52	47.17	46.87
7	.....	39.94	24.00	42.63	43.60	46.23	46.75	46.90	47.18	47.47	47.27	46.92
8	.....	36.98	20.90	42.83	43.80	46.16	46.60	46.87	47.23	47.48	47.27	46.96
9	.....	36.54	27.00	42.93	44.15	46.23	46.21	46.92	47.27	47.37	47.19	46.92
10	.....	38.12	32.50	43.07	44.18	46.11	46.11	46.89	47.24	47.33	47.24	46.75
11	.....	39.32	35.15	43.29	44.48	46.08	46.07	46.93	47.29	47.30	47.30	46.69
12	.....	40.06	36.15	43.53	44.58	46.07	46.06	46.48	47.35	47.17	47.32	46.70
13	.....	40.31	36.57	43.61	44.64	46.06	46.13	46.45	47.31	46.98	47.26	46.71
14	.....	40.41	36.52	43.69	44.59	46.09	45.99	46.54	47.31	46.94	47.27	46.66
15	.....	40.71	36.51	43.27	44.00	46.12	45.82	46.61	47.32	47.03	47.17	46.77
16	.....	40.70	32.05	42.75	43.89	46.13	45.92	46.69	47.37	47.02	47.18	46.78
17	.....	40.80	25.50	42.82	43.97	46.20	46.09	46.79	47.43	47.03	47.22	46.86
18	.....	40.05	22.80	43.00	44.27	46.28	46.23	46.89	47.40	47.13	47.10	46.94
19	.....	39.65	24.55	43.29	44.53	46.30	46.34	46.79	47.44	47.15	47.03	46.92
20	.....	39.84	25.50	43.35	44.73	46.35	46.40	46.76	47.49	47.15	46.92	46.83
21	.....	40.34	29.50	43.59	44.86	46.40	46.47	46.82	47.45	46.67	46.85	46.83
22	43.80	40.65	29.06	43.54	44.96	46.43	46.57	46.78	47.35	46.47	46.70	46.78
23	43.65	40.05	27.01	43.68	45.10	46.49	46.61	46.86	47.32	46.17	46.64	46.80
24	43.40	38.07	28.15	43.73	45.17	46.55	46.66	46.80	47.38	45.87	46.56	46.70
25	43.54	37.39	31.75	.....	45.27	46.40	46.77	46.87	47.36	45.86	46.52	46.77
26	43.37	38.39	34.37	.....	45.31	46.18	46.78	46.83	47.37	45.75	46.58	46.65
27	43.67	35.76	35.53	.....	45.40	46.26	46.79	46.85	47.43	46.22	46.63	46.65
28	42.70	28.66	36.67	.....	45.46	46.32	46.71	46.90	47.51	46.47	46.82	46.58
29	42.95		38.28	.....	45.52	.....	46.37	46.98	47.47	46.72	46.86	46.64
30	43.08		39.23	.....	45.70	.....	46.50	46.98	47.52	46.79	46.86	46.67
31	43.05		e39.65		45.84		46.50	47.00		46.97		46.65

e Estimated.
h Tape measurement.

8245-3745-404. Kentucky Water Co. Lat. 37°46', long. 82°45'. Drilled unused artesian and water-table well in Breathitt formation, diameter 6 inches, depth 115 feet. Highest water level 24.94 below lsd, Mar. 6, 1955; lowest 28.79 below lsd, Sept. 22, 1955. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	26.50	h26.89	25.15	26.40	.....	27.72	.....	.....	28.52	28.65	28.59	28.55
2	26.68	26.95	25.22	26.42	.....	27.73	.....	.....	28.51	28.66	28.53	28.42
3	.....	27.15	25.22	26.51	.....	27.73	28.07	28.41	28.49	28.64	28.61	28.42
4	h26.58	27.01	25.36	26.71	.....	.....	28.08	28.45	28.52	28.61	28.64	28.35
5	.....	26.84	25.10	26.72	.....	.....	28.05	28.48	28.52	28.57	28.59	28.38
6	.....	26.58	24.96	26.72	27.25	.....	28.07	28.49	28.54	28.58	28.50	28.33
7	.....	26.34	25.01	26.81	27.25	.....	27.98	28.46	28.52	28.56	28.56	28.23
8	.....	26.17	25.21	27.00	27.33	.....	28.00	28.39	28.60	28.68	28.61	28.23
9	.....	26.13	25.36	27.03	27.45	.....	28.02	28.35	28.62	28.68	28.59	28.30
10	.....	26.11	25.43	27.03	27.42	.....	.....	28.29	28.63	28.65	28.47	28.42
11	.....	26.21	25.69	26.95	27.48	.....	.....	28.23	28.63	28.57	28.48	28.39
12	.....	26.46	25.84	27.00	27.51	.....	.....	28.14	28.70	28.49	28.58	28.37
13	.....	26.47	26.10	26.96	27.43	.....	28.12	28.11	28.70	28.46	28.61	28.34
14	.....	26.35	26.19	26.90	27.35	.....	28.08	28.18	28.69	28.41	28.57	28.31
15	.....	26.39	26.10	26.94	27.27	.....	28.08	28.20	28.68	28.45	28.47	28.29
16	.....	26.35	25.85	26.94	27.10	.....	28.12	28.12	28.69	28.44	28.40	28.34
17	.....	26.41	25.78	26.93	27.07	.....	28.19	28.04	28.70	28.41	28.65	28.29
18	.....	26.39	25.66	26.95	27.13	.....	.....	28.16	28.70	28.45	28.66	28.28
19	.....	26.37	25.65	26.94	27.14	.....	.....	28.26	28.65	28.57	28.43	28.41
20	.....	26.40	25.71	26.97	27.17	.....	.....	28.28	28.64	28.61	28.58	28.37

8245-3745-404--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	.....	26.46	25.69	26.97	27.22	.....	.....	28.30	28.70	28.52	28.50	28.31
22	.....	26.42	25.61	27.02	27.22	.....	.....	28.30	28.75	28.57	28.42	28.17
23	.....	26.30	25.65	27.02	27.34	.....	.....	28.32	28.69	28.52	28.40	28.17
24	.....	26.10	25.64	26.95	27.32	.....	.....	28.37	28.63	28.49	28.58	28.19
25	.....	26.08	25.71	27.02	27.32	.....	.....	28.40	28.65	28.51	28.44	.....
26	.....	26.05	25.89	.....	27.40	.....	.....	28.46	28.62	28.43	28.46	.....
27	.....	25.74	26.05	.....	27.44	.....	.....	28.40	28.61	28.47	28.33	.....
28	.....	25.38	26.11	.....	27.46	.....	.....	28.42	28.60	28.41	28.43	.....
29	.....		26.19	.....	27.46	.....	.....	28.39	28.57	28.37	28.50	.....
30	.....		26.31	.....	27.53	.....	.....	28.42	28.56	28.41	28.60	.....
31	.....		26.37		27.66		.....	28.48		28.55		.....

h Tape measurement.

8250-3750-24. Pluney Blevins. Lat. 37°51', long. 82°51'. Drilled unused water-table well in sandstone of Lee formation, diameter 6 inches, depth 51 feet. Highest water level 26.48 below lsd, Mar. 6, 1955; lowest 31.34 below lsd, Nov. 17, 1955. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	28.60	28.96	27.25	.....	.....	29.78	.....	30.00	.....	30.23	31.18	31.22
2	28.83	28.96	27.68	.....	.....	29.70	.....	30.03	30.11	30.23	31.12	31.15
3	h28.80	29.17	.....	.....	.....	29.69	.....	30.03	30.10	30.21	31.26	31.17
4	28.77	28.90	.....	.....	.....	29.66	.....	30.05	30.17	30.15	31.23	31.13
5	28.56	28.77	26.71	.....	h29.97	29.61	h29.69	30.08	30.17	30.13	31.23	31.14
6	28.47	.....	26.75	.....	h29.40	29.60	29.70	30.05	.....	30.14	31.15	31.08
7	28.61	.....	27.35	.....	.....	29.46	29.65	30.00	30.24	30.10	31.14	31.06
8	28.58	.....	.....	.....	.....	29.38	29.70	29.95	30.20	30.25	31.22	31.08
9	28.58	.....	.....	.....	.....	e29.53	29.79	30.01	30.20	30.24	31.24	31.17
10	28.70	.....	.....	.....	.....	.....	e29.70	30.01	30.18	30.23	31.20	31.15
11	28.81	28.46	.....	.....	.....	.....	29.76	30.01	30.19	30.07	31.15	31.13
12	28.76	28.69	.....	.....	.....	e29.42	29.82	29.95	30.27	30.06	31.21	31.13
13	28.84	28.49	.....	.....	.....	e29.58	29.86	29.99	30.25	30.06	31.28	31.13
14	28.91	28.47	.....	.....	.....	e29.59	29.76	30.10	30.22	30.15	31.27	31.08
15	28.76	28.55	.....	.....	.....	.....	29.76	30.10	30.16	.....	31.18	31.09
16	28.82	28.47	.....	.....	.....	.....	29.84	30.03	30.23	.....	31.15	31.13
17	28.88	28.49	.....	.....	.....	.....	29.91	30.01	30.26	.....	31.32	31.08
18	28.89	28.46	.....	.....	.....	.....	.....	30.03	30.20	.....	31.30	31.09
19	28.95	28.46	.....	.....	.....	.....	29.97	30.11	.....	.....	31.15	31.15
20	29.10	28.47	.....	.....	.....	.....	29.92	30.11	30.21	.....	31.29	31.07
21	28.81	28.60	.....	.....	.....	e29.59	.....	30.11	30.29	.....	31.24	31.04
22	28.80	28.52	27.01	.....	.....	e29.67	e29.94	30.07	30.21	.....	31.15	30.95
23	28.75	.....	27.69	.....	.....	e29.72	.....	30.01	.....	.....	31.23	30.99
24	28.70	.....	27.65	.....	.....	e29.60	29.86	30.05	.....	.....	31.30	30.96
25	28.93	28.40	27.65	.....	.....	e29.68	29.94	30.07	.....	h31.07	31.15	31.12
26	28.87	28.43	.....	.....	h29.57	.....	30.00	30.11	.....	31.07	31.22	31.06
27	28.94	.....	.....	.....	29.57	.....	29.99	30.09	30.06	31.14	31.14	31.05
28	28.75	h27.03	.....	.....	29.54	.....	29.94	30.10	30.15	30.99	31.26	31.04
29	28.80		.....	.....	29.51	.....	.....	30.11	30.06	31.10	31.29	31.00
30	29.04		.....	.....	29.58	.....	29.94	30.06	30.16	31.09	31.30	31.00
31	28.89		.....		29.74		29.98	30.15		31.22		30.89

e Estimated.
h Tape measurement.

Kenton County

8430-3900-17. C. J. Harris. Lat. 39°00', long. 84°33'. Dug unused water-table well in shaly limestone of Maysville group, diameter 5 feet, depth 35 feet. Land-surface datum is 840 feet above msl. Highest water level 21.15 below lsd, Dec. 21, 1951; lowest 30.94 below lsd, Jan. 14, 1954. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	.....	26.91	26.42	28.15	26.41	29.45	29.87	27.62	.....
2	.....	.....	.....	.....	26.94	26.49	28.26	26.48	29.50	29.85	27.73	.....
3	h25.37	.....	.....	.....	26.99	26.56	28.35	26.59	29.54	29.80	27.39	.....
4	.....	.....	.....	.....	27.03	26.63	28.43	26.71	29.56	29.75	26.70	.....
5	.....	.....	.....	.....	27.08	26.69	28.51	26.87	29.60	29.51	.....	.....

8430-3900-17--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	.....	h26.39	27.16	26.78	28.50	27.03	29.62	27.61	.....	.....
7	.....	h24.01	.....	26.41	27.23	26.87	28.60	27.16	29.64	26.18	.....	.....
8	.....	.....	h23.15	26.45	27.33	26.92	28.65	27.32	29.67	.....	.....	.....
9	.....	.....	23.83	26.47	27.47	26.92	28.71	27.47	29.69	.....	.....	.....
10	.....	.....	24.32	26.47	27.54	26.92	28.77	27.60	29.72	.....	.....	.....
11	.....	.....	24.56	26.42	27.64	26.74	28.71	27.76	29.74	.....	.....	.....
12	.....	.....	24.42	26.38	27.74	26.32	28.70	27.93	29.78	.....	.....	.....
13	.....	.....	24.72	26.27	27.78	26.19	28.69	28.05	29.81	.....	.....	.....
14	.....	.....	24.95	26.20	27.79	26.20	28.64	28.20	29.83	.....	.....	.....
15	.....	.....	.....	26.28	27.79	26.30	28.48	28.35	29.84	.....	.....	.....
16	.....	.....	.....	26.35	27.79	26.36	28.37	28.43	29.85	.....	.....	.....
17	.....	.....	.....	26.40	27.78	26.46	28.29	28.52	29.87	.....	.....	.....
18	.....	.....	.....	26.43	27.79	26.54	28.24	28.59	29.89	.....	.....	.....
19	.....	.....	.....	26.42	27.80	26.62	28.22	28.70	29.90	.....	.....	.....
20	.....	.....	.....	26.48	27.82	26.70	28.22	28.78	29.89	.....	.....	.....
21	.....	.....	.....	26.52	27.86	26.81	28.22	28.84	29.89	.....	.....	27.04
22	.....	.....	.....	26.57	27.93	26.94	28.23	28.90	29.89	.....	.....	27.07
23	.....	.....	.....	26.57	27.92	27.11	28.25	28.97	29.90	.....	h25.40	27.07
24	.....	.....	.....	26.51	27.78	27.26	27.51	29.05	29.90	.....	.....	27.13
25	.....	.....	.....	26.55	27.53	27.40	26.82	29.12	29.93	.....	.....	27.29
26	.....	.....	.....	26.67	27.33	27.54	26.41	29.17	29.93	27.04	.....	27.49
27	.....	.....	.....	26.72	27.17	27.65	26.18	29.27	29.92	27.13	.....	27.65
28	.....	.....	.....	26.74	27.09	27.85	26.18	29.30	29.90	27.21	.....	27.80
29	.....		.....	26.78	26.71	27.94	26.15	29.32	29.87	27.19	.....	27.92
30	.....		.....	26.85	26.40	28.04	26.18	29.33	29.87	27.28	.....	28.03
31	.....		.....		26.37		26.31	29.39		27.47		28.10

h Tape measurement.

8430-3905-14. City Products Corp. Formerly City Ice and Fuel Co. Second and Scott Sts., Covington. Lat. 39°05', long. 84°30'. Drilled unused water-table well in sand and gravel, diameter 10 inches, depth 84 feet. Land-surface datum is 490.4 feet above msl. Highest water level 23.62 below lsd, Mar. 11, 1955; lowest 54.39 below lsd, Aug. 9, 1955. Records available: 1954-55.

Daily noon water level from recorder graph, 1954

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Aug. 19	52.51	Sept. 11	52.42	Oct. 4	52.47	Nov. 2	47.31
20	52.58	12	52.47	5	52.40	3	47.21
21	52.57	13	52.44	6	52.50	4	47.52
22	52.45	14	52.42	7	52.42	5	47.92
23	52.36	15	52.44	8	52.27	6	47.92
24	52.28	16	52.50	9	52.23	7	47.83
25	52.32	17	52.49	10	52.17	8	h48.00
26	52.31	18	52.42	11	52.26	9	48.20
27	52.30	19	52.38	12	52.34	Dec. 7	48.40
28	52.17	20	52.41	13	52.34	8	48.22
29	52.02	21	52.44	14	52.25	9	48.25
30	51.99	22	52.46	15	52.23	10	48.40
31	52.14	23	52.43	16	52.29	11	48.42
Sept. 1	52.25	24	52.36	17	52.18	12	48.23
2	52.20	25	52.37	18	51.45	13	48.09
3	52.19	26	52.30	19	50.18	14	47.99
4	52.26	27	52.34	20	49.29	15	48.04
5	52.21	28	52.44	27	46.63	16	48.09
6	52.22	29	52.46	28	47.20	17	47.41
7	52.25	30	52.45	29	47.47	18	47.08
8	52.31	Oct. 1	52.48	30	47.73	19	46.51
9	52.33	2	52.50	31	47.97	20	45.82
10	52.37	3	52.48	Nov. 1	47.73	21	45.42

h Tape measurement.

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	.....	32.20	41.55	k50.4	50.93	54.12	53.50	52.67	50.50	47.35
2	.....	.....	.....	33.90	41.63	k50.6	51.02	54.17	53.36	52.64	50.42	47.45
3	h40.03	.....	.....	35.30	41.97	k50.8	51.91	54.24	53.27	53.15	50.50	.....
4	.....	.....	h29.64	36.36	42.50	k51.0	52.02	54.30	53.23	53.34	50.30	.....
5	.....	.....	28.77	37.10	43.24	k51.2	52.20	54.35	53.10	53.45	50.17	.....

8430-3905-14--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	.....	28.10	37.70	44.20	51.42	52.36	54.34	53.03	53.50	50.12	.....
7	.....	h44.04	27.03	38.17	44.97	51.56	52.49	54.34	53.03	53.49	50.11	.....
8	.....	.....	26.00	38.90	45.87	51.65	52.63	54.34	53.01	53.61	50.05	.....
9	.....	.....	24.90	39.88	46.40	51.79	52.73	54.35	52.97	53.61	49.93	.....
10	.....	.....	23.95	40.46	46.92	50.95	52.65	54.08	52.97	53.64	49.86	.....
11	.....	.....	23.88	40.73	47.34	49.52	52.68	54.19	52.93	53.15	49.91	.....
12	.....	.....	24.14	41.10	47.62	50.37	52.38	54.26	52.94	53.01	49.89	.....
13	.....	.....	25.14	41.50	k47.9	50.33	52.71	54.26	52.85	52.95	.....	.....
14	.....	.....	25.94	41.75	k48.2	49.84	52.81	54.19	52.80	52.92	.....	.....
15	.....	.....	26.65	42.10	k47.9	49.46	52.95	54.31	52.69	52.89	.....	.....
16	.....	.....	26.70	42.10	47.39	49.12	53.03	54.31	52.26	52.75	.....	.....
17	.....	.....	26.60	41.50	47.01	48.87	52.86	53.72	52.04	52.78	.....	.....
18	.....	.....	26.85	40.76	46.86	48.83	52.56	53.43	51.82	52.46	.....	.....
19	.....	.....	27.26	41.58	47.16	48.83	52.80	53.32	51.63	52.14	.....	.....
20	.....	.....	26.95	41.96	k47.7	49.18	53.15	53.25	51.75	51.82	.....	.....
21	.....	.....	27.02	42.43	k48.0	49.55	53.35	53.11	52.09	51.72	.....	48.02
22	.....	.....	26.42	42.81	k48.2	50.43	53.48	53.30	52.60	51.53	.....	48.13
23	.....	.....	26.18	42.99	k48.4	50.79	53.55	53.56	52.82	51.31	47.03	48.24
24	.....	.....	26.85	42.86	k48.7	51.06	53.64	53.60	53.06	51.34	46.76	48.34
25	.....	.....	26.33	42.83	k48.9	51.31	53.75	53.66	52.88	51.20	46.66	48.40
26	.....	.....	27.00	42.92	k49.1	51.50	53.85	53.69	53.15	50.99	47.00	48.37
27	.....	.....	27.15	42.83	k49.3	51.71	53.90	53.77	53.29	50.87	46.87	48.34
28	.....	.....	27.77	42.62	k49.5	51.28	53.97	53.87	52.80	50.77	46.82	48.30
29	.....		28.94	42.30	k49.7	50.98	54.00	53.94	52.72	50.67	46.88	48.39
30	.....		29.67	41.83	k49.9	50.93	54.06	54.01	52.75	50.60	47.30	48.52
31	.....		31.39		k50.2		54.11	54.08		50.60		48.31

h Tape measurement.
k Interpolated.

8430-3905-15. City Products Corp. Formerly City Ice and Fuel Co. Second and Scott Sts., Covington. Lat. 39°05', long. 84°30'. Drilled unused water-table well in sand and gravel, diameter 36 inches, depth 86 feet. Land-surface datum is 490.9 feet above msl. Highest water level 22.79 below lsd, Mar. 10, 1955; lowest 55.82 below lsd, Sept. 8-10, 1953. Records available: 1950-55.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	h39.09	June 19	49.56	July 5	52.20	July 21	53.30
Feb. 7	h44.75	20	49.57	6	52.35	22	53.46
Mar. 4	h29.11	21	49.73	7	52.50	23	53.59
8	h25.65	22	50.10	8	52.60	24	53.67
Apr. 6	h38.61	23	50.56	9	52.72	25	53.78
May 6	h44.20	24	50.94	10	52.73	26	53.89
June 6	h51.55	25	51.20	11	52.74	27	53.98
10	51.81	26	51.43	12	52.79	28	54.05
11	51.45	27	51.65	13	52.82	29	54.13
12	51.13	28	51.83	14	52.92	30	54.18
13	51.02	29	51.78	15	53.00	31	54.25
14	50.91	30	51.69	16	53.10	Aug. 1	54.30
15	50.50	July 1	51.65	17	53.19	2	54.23
16	50.10	2	51.62	18	53.19	3	54.34
17	49.76	3	51.85	19	53.01	4	54.43
18	49.55	4	52.02	20	53.15	5	54.50

h Tape measurement.

Laurel County

8400-3705-40. J. R. Hale. London. Lat. 37°07', long. 84°04'. Drilled unused water-table well in sandstone of Lee formation, diameter 12 inches, reported depth 400 feet. Highest water level 47.03 below lsd, Apr. 25, 1955; lowest 225 below lsd, Oct. 22, 1947. Records available: 1947, 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	50.75	48.91	.....	48.47	.....	49.46	50.20	51.65	51.26	50.55	50.73
2	.....	50.88	49.01	.....	48.47	.....	49.35	50.24	51.57	51.26	50.50	50.52
3	.....	51.16	48.80	.....	48.51	.....	49.50	50.71	51.45	51.25	50.64	50.49
4	.....	51.17	48.70	.....	48.49	.....	49.70	50.59	51.33	51.16	50.68	50.43
5	.....	50.90	48.77	.....	48.39	49.20	.....	51.05	51.37	50.06	50.60	50.51

8400-3705-40--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	.....	50.49	48.71	48.34	48.52	49.34	.....	50.90	51.24	50.05	50.50	50.49
7	.....	.....	48.75	48.31	48.63	49.08	.....	51.14	51.44	49.95	50.56	50.34
8	.....	50.45	48.69	48.55	48.52	48.88	.....	50.78	51.66	50.06	50.66	50.26
9	.....	50.60	48.64	48.62	48.61	48.85	.....	50.98	52.37	50.06	50.60	50.37
10	.....	50.62	48.56	48.61	48.69	48.75	.....	51.15	52.60	50.05	50.53	50.55
11	.....	50.61	48.51	48.38	.....	48.74	.....	51.12	52.77	49.85	50.48	50.56
12	.....	50.83	48.60	48.41	.....	48.68	.....	51.33	52.28	49.73	50.63	50.54
13	.....	50.85	48.76	48.43	.....	48.84	.....	50.45	52.21	49.61	50.71	50.50
14	.....	50.63	48.71	48.27	.....	48.87	.....	50.25	52.02	49.50	50.64	50.47
15	.....	50.67	48.57	.....	.....	48.89	.....	50.01	51.87	49.66	50.51	50.43
16	.....	50.75	48.47	48.45	.....	48.89	.....	49.99	51.79	49.50	50.53	50.47
17	.....	50.61	48.65	48.38	.....	48.81	.....	51.00	51.66	49.37	50.80	50.36
18	50.94	50.69	48.45	48.49	.....	48.80	.....	51.21	51.60	49.44	50.89	50.33
19	50.88	50.76	48.42	48.43	.....	48.68	.....	51.06	51.31	49.61	50.65	50.55
20	51.13	50.31	48.42	48.44	.....	48.72	.....	51.50	51.27	49.68	50.84	50.57
21	50.85	50.07	48.21	48.42	h48.68	48.76	.....	51.80	51.31	49.65	50.75	50.58
22	50.66	49.80	48.01	48.36	48.57	48.85	.....	.....	51.38	49.76	50.67	50.44
23	50.84	49.80	.....	48.35	48.57	49.23	.....	.....	51.27	49.63	50.58	50.35
24	50.86	49.65	.....	48.13	48.55	49.70	.....	.....	51.30	49.69	50.85	50.41
25	51.05	49.66	.....	47.07	48.43	49.80	.....	.....	51.42	49.68	50.64	50.48
26	51.20	49.47	.....	48.16	48.47	49.34	.....	.....	51.38	50.51	50.66	50.51
27	51.05	49.25	.....	48.25	48.80	49.45	.....	.....	51.29	50.46	50.44	50.55
28	50.87	49.05	.....	48.22	.....	49.69	.....	.....	51.30	50.39	50.56	50.57
29	50.90		.....	48.32	.....	49.47	.....	.....	51.29	50.34	50.65	50.57
30	50.94		.....	48.45	.....	49.45	h50.67	.....	51.23	50.40	50.79	50.48
31	50.94		.....		.....		50.75	h51.86		50.53		50.42

h Tape measurement.

Letcher County

8255-3705-1. Louisville & Nashville RR. Co. Blackey. Lat. 37°08', long. 82°58'. Drilled unused water-table well in Breathitt formation, diameter 8 inches, depth 93 feet, cased to 20. Highest water level 16.62 below lsd, Dec. 29-30, 1954; lowest 22.72 below lsd, Oct. 20, 1953. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	17.99	.....	.....	.....	.....	20.33	20.78	21.33	21.85	22.18	22.27	22.06
2	18.20	h18.90	.....	.....	.....	20.37	20.84	21.36	21.85	22.13	22.35	22.02
3	18.35	e18.57	.....	.....	.....	20.41	20.94	21.41	21.83	22.15	22.29	22.02
4	18.41	18.56	.....	.....	.....	20.44	.....	21.50	21.90	22.18	22.29	22.00
5	18.39	18.62	.....	.....	.....	20.48	.....	21.48	21.92	22.19	22.28	21.96
6	18.37	18.50	.....	.....	.....	20.53	.....	21.43	21.93	22.22	22.29	21.90
7	18.40	17.29	.....	.....	.....	20.50	20.91	21.42	21.94	22.24	22.32	21.92
8	18.41	e17.63	h16.98	.....	.....	20.38	20.91	21.48	22.00	22.22	22.32	21.90
9	18.47	17.81	.....	.....	.....	20.45	20.94	21.48	22.05	22.14	22.30	20.95
10	18.59	.....	.....	.....	.....	20.46	20.86	21.35	22.01	22.10	22.26	20.94
11	18.49	.....	.....	.....	h19.76	20.47	20.99	21.43	21.99	22.12	22.30	20.90
12	18.41	.....	.....	h20.57	19.76	20.50	20.91	21.43	22.00	22.15	22.31	20.90
13	18.41	.....	.....	20.62	19.75	20.54	20.63	21.51	22.06	22.14	22.31	20.92
14	18.46	.....	.....	20.53	19.71	20.58	20.63	21.58	22.08	22.12	22.32	20.90
15	18.48	.....	.....	20.20	19.70	20.63	20.60	21.61	22.10	22.13	22.24	20.92
16	18.54	.. ..	.....	20.19	19.72	20.66	20.67	21.53	22.12	22.10	22.18	20.94
17	18.67	.....	.....	20.24	19.73	20.70	20.75	21.54	22.15	22.09	22.02	20.93
18	18.78	e17.87	.....	.....	19.76	20.76	20.79	21.47	22.16	22.12	21.81	20.94
19	18.88	e18.06	.....	.....	19.78	20.73	20.91	21.50	22.15	22.14	21.50	20.96
20	.....	e18.15	.....	.....	19.80	20.71	21.00	21.47	22.17	22.18	20.76	20.90
21	.....	e18.24	.....	.....	19.81	20.78	21.01	21.52	22.22	22.14	20.75	21.82
22	.....	e18.28	.....	.....	19.82	20.85	20.99	21.53	22.24	22.17	20.83	21.81
23	.....	.....	.....	.....	19.85	20.94	21.04	21.55	22.26	22.18	21.18	21.82
24	.....	.....	.....	.....	19.86	20.96	21.08	21.54	22.20	22.20	21.40	21.84
25	.....	.....	.....	.....	19.88	20.84	21.13	21.59	22.17	22.23	21.47	21.90
26	.....	.....	.....	.....	19.93	20.56	21.24	21.67	22.09	22.22	21.64	21.92
27	.....	.....	.....	.....	20.01	20.64	21.28	21.77	22.12	22.22	21.70	21.91
28	.....	.....	.....	.....	20.04	20.70	21.34	21.74	22.17	22.20	21.82	21.95
29	.....		.....	.....	20.14	20.71	21.18	21.76	22.23	22.22	21.95	21.93
30	.....		.....	.....	20.20	20.75	21.14	21.85	22.23	22.24	22.03	21.91
31	.....		.....		20.30		21.28	21.82		22.26		21.83

e Estimated.
h Tape measurement.

Lincoln County

8440-3725-3. W. Goebel Scott. Lat. 37°26', long. 84°42'. Dug unused water-table well in shales and sandstones of Mississippian age, diameter 36 inches, depth 15 feet. Land-surface datum is about 985 feet above msl. Highest water level 1.01 below lsd, Mar. 21, 1955; lowest 11.03 below lsd, Dec. 23-27, 1954. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	10.49	9.06	....	6.56	8.45	8.78	....	9.00	9.32	9.99	10.04	....
2	10.34	9.01	h1.23	6.63	8.44	8.78	....	9.00	9.34	9.99	10.04	....
3	10.28	9.05	1.72	6.93	8.45	8.76	....	8.99	9.33	10.00	10.07	....
4	10.18	9.02	1.70	7.20	8.44	8.74	....	9.02	9.35	10.02	10.09	9.11
5	10.02	8.91	1.43	7.33	8.45	8.73	....	9.03	9.38	10.03	10.07	9.06
6	9.92	4.80	1.21	7.36	8.49	8.73	....	9.02	9.38	10.04	10.05	9.02
7	9.81	3.42	2.12	7.55	8.48	8.73	h8.75	9.01	9.38	9.99	10.05	8.96
8	9.68	4.48	3.33	7.71	8.55	8.65	8.69	9.01	9.41	9.99	10.07	9.00
9	9.59	5.15	4.38	7.78	8.64	8.64	8.60	9.04	9.46	9.89	10.07	9.10
10	9.55	5.52	5.05	7.77	8.64	8.61	8.58	9.06	9.49	9.84	10.04	9.20
11	....	5.97	5.62	7.73	8.68	7.73	8.62	9.04	9.50	9.82	10.04	9.20
12	....	6.23	6.05	7.79	8.71	7.33	8.69	9.04	9.54	9.79	10.06	9.19
13	....	5.56	6.59	7.80	8.63	7.10	8.76	9.06	9.58	9.77	10.09	9.18
14	....	5.53	6.78	7.86	8.62	7.21	8.77	9.12	9.63	9.76	10.09	9.17
15	....	5.62	5.74	7.97	8.70	7.47	8.74	9.13	9.63	9.75	10.05	9.15
16	....	5.42	....	7.99	8.70	7.72	8.80	9.10	9.65	9.76	9.92	9.18
17	....	4.47	....	8.08	8.69	7.88	8.86	9.09	9.70	9.75	9.86	9.13
18	....	4.45	....	8.06	8.71	8.06	8.90	9.12	9.74	9.75	9.75	9.14
19	....	4.62	....	8.08	8.73	8.16	8.93	9.16	9.75	9.83	9.63	9.26
20	....	4.80	....	8.15	8.73	8.25	8.90	9.17	9.75	9.89	9.52	9.24
21	....	2.23	....	8.15	8.74	8.35	8.89	9.18	9.77	9.90	9.43	9.18
22	....	....	....	8.16	8.68	8.41	8.91	....	9.84	9.93	....	9.11
23	....	....	....	8.13	8.67	8.49	8.90	....	9.86	9.94	....	9.08
24	....	....	....	8.06	8.65	8.54	8.90	....	9.89	9.95	....	9.12
25	....	....	....	8.22	8.61	8.60	8.94	....	9.94	9.98	....	9.18
26	....	....	....	8.36	8.63	8.49	8.96	....	9.98	9.96	....	9.25
27	....	....	....	8.40	8.66	....	8.94	....	9.99	9.98	....	9.25
28	....	....	h5.53	8.38	8.66	h8.62	8.94	....	10.02	9.97	....	9.25
29	....		5.88	8.44	8.63	....	8.93	....	10.04	9.95	....	9.23
30	....		6.22	8.48	8.65	....	8.95	....	9.97	9.98	....	9.21
31	....		6.39		8.73		8.99	h9.30		10.01		9.19

h Tape measurement.

8440-3725-4. Omer Lewis. Lat. 37°27', long. 84°40'. Drilled unused water-table well in shales and sandstones of Mississippian age, diameter 6 inches, depth 33 feet. Land-surface datum is about 1,060 feet above msl. Highest water level 7.58 below lsd, Nov. 16, 1955; lowest 9.83 below lsd, July 2, 1954. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	8.66	8.58	8.79	k9.24	9.39	8.75	8.68	8.27	8.07	7.80	7.83
2	....	8.64	8.70	8.79	k9.25	9.39	8.76	8.67	8.26	8.05	7.80	7.72
3	....	8.80	8.65	8.78	k9.25	9.38	8.76	8.66	8.23	8.06	7.83	7.72
4	k8.51	8.81	8.62	8.79	k9.26	9.35	8.75	8.66	8.24	7.94	7.83	7.70
5	k8.44	8.74	8.61	8.79	k9.26	9.31	8.72	8.67	8.26	7.89	7.74	7.74
6	k8.46	8.57	8.62	8.80	k9.27	9.29	8.70	8.67	8.23	7.86	7.67	7.73
7	8.55	8.62	8.67	8.81	k9.28	9.29	8.68	8.66	8.23	7.81	7.69	7.66
8	8.55	8.63	8.67	8.91	k9.28	9.25	8.68	8.62	8.26	7.87	7.73	7.65
9	8.49	8.63	8.67	8.92	k9.29	9.21	8.68	8.62	8.27	7.88	7.75	7.74
10	8.50	8.62	8.65	8.92	k9.29	9.09	8.68	8.62	8.28	7.86	7.64	7.85
11	8.47	8.64	8.59	8.91	k9.30	9.01	8.68	8.59	8.28	7.81	7.59	7.85
12	8.51	8.79	8.60	8.93	k9.31	9.02	8.69	8.53	8.29	7.74	7.59	7.85
13	8.50	8.81	8.69	8.94	k9.31	9.03	8.71	8.49	8.29	7.71	7.73	7.85
14	8.53	8.71	8.76	8.93	k9.31	9.03	8.71	8.51	8.30	7.69	7.72	7.85
15	8.53	8.68	8.72	8.95	k9.31	8.98	8.66	8.51	8.29	7.70	7.70	7.80
16	8.54	8.63	8.68	k8.98	k9.31	8.94	8.66	8.46	8.29	7.71	7.58	7.82
17	8.56	8.71	8.76	k9.03	k9.32	8.91	8.68	8.37	8.30	7.70	7.77	7.79
18	8.59	8.70	8.74	k9.07	k9.32	8.88	8.70	8.34	8.30	7.69	7.80	7.77
19	8.58	8.69	8.74	k9.09	9.33	8.85	8.73	8.35	8.25	7.80	7.70	7.82
20	8.70	8.68	8.74	k9.10	9.34	8.85	8.73	8.35	8.21	7.86	7.76	7.82

8440-3725-4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	8.62	8.69	8.71	k9.09	9.34	8.85	8.71	....	8.23	7.83	7.76	7.82
22	8.54	8.68	8.60	k9.06	9.34	8.84	8.71	....	8.25	7.82	7.72	7.76
23	8.58	8.75	8.68	k9.02	9.34	8.84	8.69	....	8.25	7.81	7.67	7.72
24	8.57	8.75	8.69	8.98	9.34	8.83	8.66	....	8.22	7.76	7.84	7.74
25	8.61	8.78	8.73	9.06	9.33	8.79	8.66	....	8.22	7.81	7.75	7.82
26	8.66	8.73	8.75	9.15	9.35	....	8.70	....	8.25	7.74	7.76	k7.87
27	8.69	8.87	8.78	9.15	9.35	....	8.70	....	8.20	7.74	7.68	k7.90
28	8.66	8.62	8.85	9.18	9.35	h8.83	8.70	....	8.16	7.72	7.69	k7.93
29	8.67		8.82	9.22	9.33	8.83	8.68	....	8.11	7.64	7.76	7.95
30	8.71		8.82	k9.23	9.32	8.80	8.67	....	8.04	7.62	7.85	7.95
31	8.74		8.81		9.37		8.68	h8.26		7.78		7.95

h Tape measurement.
k Interpolated.

Livingston County

8820-3705-3. Mrs. Bishop Dycus. Smithland. Lat. 37°08', long. 88°24'. Dug unused water-table well in alluvium of Quaternary age, diameter 36 inches, depth 33 feet. Highest water level 0.50 below lsd, Mar. 3, 1953; lowest 21.69 below lsd, Nov. 22, 1953. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.63	6.29	1.75	2.45	2.88	3.18	4.52	12.67	16.97	18.28	17.38	12.14
2	....	6.49	2.05	2.44	3.02	3.35	4.80	12.86	17.09	17.67	17.44	12.14
3	....	6.77	2.11	2.38	3.16	3.53	5.14	13.06	17.19	.....	16.97	11.99
4	3.29	6.80	2.20	2.46	3.29	3.69	5.48	13.26	17.29	.....	16.55	11.98
5	3.34	6.64	2.23	2.57	3.43	3.87	5.75	13.50	17.39	.....	16.20	12.05
6	3.46	6.31	2.32	1.84	3.57	3.99	6.06	13.70	17.48	.....	15.85	12.02
7	3.58	5.69	2.40	1.99	3.69	4.07	6.45	13.87	17.56	.....	15.55	11.90
8	3.62	5.03	2.44	2.22	3.86	4.21	6.80	14.02	17.64	.....	.....	11.90
9	3.71	4.64	2.50	2.31	4.02	4.41	7.18	14.17	17.71	.....	15.23	12.06
10	3.80	4.46	2.55	2.39	4.17	4.44	7.59	14.31	17.83	.....	15.05	12.24
11	3.90	4.57	2.68	1.49	4.37	4.44	7.95	14.47	17.92	16.32	14.93	12.43
12	3.82	4.67	2.30	1.63	4.47	4.20	8.30	14.61	18.02	16.31	14.87	.....
13	3.81	4.69	2.38	1.19	4.39	4.08	8.73	14.74	18.12	16.20	14.87	12.48
14	3.76	4.57	2.40	1.45	3.10	4.10	9.03	14.88	18.21	16.13	14.91	12.54
15	3.79	4.60	2.40	1.75	2.76	4.19	9.25	15.04	18.29	16.12	14.93	12.67
16	3.88	4.59	2.09	1.98	2.21	4.32	9.50	15.18	18.38	16.13	14.84	12.81
17	3.96	4.67	2.19	2.24	2.22	4.49	9.80	15.29	18.46	16.16	14.64	12.87
18	4.05	4.54	1.59	2.34	2.38	4.62	9.92	15.42	18.55	16.18	14.45	12.96
19	4.23	4.42	1.81	2.49	2.61	4.85	10.10	15.55	18.63	16.29	14.06	13.10
20	4.39	4.37	.70	2.64	2.79	5.08	10.22	15.67	18.68	16.40	13.68	13.43
21	4.38	3.20	.73	1.50	2.85	5.32	10.45	15.79	18.76	16.53	13.23	13.57
22	4.50	2.38	1.43	1.75	1.57	5.61	10.65	15.90	18.84	16.66	12.85	13.66
23	4.71	2.36	1.66	1.56	1.93	5.86	10.81	.....	18.93	16.77	12.58	13.68
24	4.78	2.39	1.88	1.54	2.21	6.09	10.97	16.12	18.97	16.88	12.49	13.76
25	5.07	2.47	1.95	1.92	2.43	5.90	11.17	16.22	19.01	17.03	12.26	13.90
26	5.24	2.46	2.20	2.15	2.66	3.90	11.42	16.33	19.06	17.14	12.10	14.10
27	5.52	2.02	2.29	2.33	2.66	3.77	11.65	16.44	19.11	17.25	11.90	14.29
28	5.59	1.97	2.28	2.46	2.65	3.88	11.84	16.55	19.14	17.36	11.88	14.45
29	5.79		2.35	2.63	2.62	4.05	12.04	16.66	19.15	17.27	11.92	14.59
30	6.08		2.38	2.77	2.80	4.25	12.24	16.73	18.77	17.26	12.07	14.75
31	6.24		2.41		3.00		12.46	16.86		17.31		14.87

Logan County

8645-3650-1. E. C. Cash. Lat. 36°52', long. 86°47'. Dug unused water-table well in Ste. Genevieve limestone, diameter 28 inches, depth 24 feet. Highest water level 3.60 below lsd, May 18, 1953; lowest 17.07 below lsd, Dec. 5, 1953. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.28	.....	6.13	10.89	13.64	13.81	14.89	16.15	16.24	16.18	16.21	16.20
2	15.50	.....	6.87	11.12	13.90	14.11	15.13	16.14	16.24	16.18	16.21	16.19
3	15.50	.....	7.59	11.45	14.14	14.36	15.32	16.14	16.24	16.19	16.17	16.18
4	15.54	.....	8.16	11.79	14.36	14.62	15.53	16.15	16.24	16.20	16.17	16.08
5	15.58	.....	8.58	12.12	14.59	14.85	15.68	16.16	16.24	16.21	16.17	16.08

8645-3650-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	15.69	.....	7.66	12.13	14.85	15.08	15.83	16.17	16.23	16.21	16.17	16.09
7	15.80	.....	7.83	12.29	15.03	15.06	15.94	16.17	16.23	16.19	16.18	16.09
8	15.86	.....	8.26	12.58	15.23	14.00	16.08	16.17	16.23	16.06	16.18	16.10
9	15.91	.....	8.90	12.81	15.40	13.90	16.08	16.17	16.23	16.10	16.19	16.12
10	15.99	.....	9.36	13.03	15.52	12.20	16.08	16.17	16.23	16.11	16.20	16.13
11	15.95	.....	9.93	12.99	15.65	11.80	16.09	16.18	16.23	16.12	16.20	16.14
12	15.74	.....	9.97	13.05	15.65	11.97	16.10	16.13	16.22	16.12	16.21	16.14
13	15.90	.....	10.36	13.10	13.75	12.20	16.10	16.11	16.22	16.08	16.21	16.14
14	15.88	.....	10.56	13.13	12.34	12.47	16.11	16.11	16.22	16.10	16.21	16.15
15	15.89	.....	10.72	13.36	12.72	12.74	16.13	16.11	16.22	16.12	16.21	16.15
16	15.94	.....	9.60	13.59	12.94	13.02	16.13	16.11	16.22	16.14	16.22	16.16
17	16.03	.....	9.21	13.72	13.15	13.33	16.15	16.13	16.22	16.15	16.22	16.16
18	16.08	.....	7.85	13.91	13.44	13.58	16.14	16.14	16.21	16.16	16.22	16.17
19	16.16	.....	7.53	14.05	13.70	13.81	16.14	16.15	16.21	16.17	16.18	16.17
20	16.16	.....	7.62	14.23	13.96	14.03	16.14	16.15	16.20	16.18	16.18	16.17
21	16.16	.....	5.40	14.44	13.93	13.52	16.13	16.15	16.20	16.18	16.17	16.17
22	15.93	.....	5.00	14.61	13.50	13.47	16.13	16.16	16.20	16.19	16.17	16.17
23	15.87	.....	6.00	12.70	10.57	13.58	16.13	.....	16.20	16.19	16.18	16.17
24	15.78	.....	7.00	12.06	10.96	13.75	16.13	.....	16.22	16.19	16.18	16.18
25	15.89	.....	7.65	12.18	11.39	13.71	16.13	.....	16.22	16.19	16.18	16.18
26	15.95	.....	8.71	12.40	11.75	13.76	16.13	16.23	16.22	16.19	16.18	16.18
27	16.03	.....	9.35	12.57	12.13	13.93	16.14	16.23	16.22	16.19	16.18	16.18
28	16.02	6.53	9.57	12.81	12.53	14.15	16.14	16.23	16.23	16.19	16.19	16.18
29	16.14		9.92	13.13	12.80	14.37	16.15	16.23	16.23	16.21	16.19	16.18
30	16.16		10.29	13.31	13.11	14.60	16.15	16.25	16.23	16.21	16.20	16.19
31	16.16		10.58		13.49		16.15	16.24		16.21		16.19

McCracken County

8830-3700-87. Ashland Oil & Refining Co. Lat. 37°01', long. 88°31'. Drilled unused artesian well in sand of Ripley formation, diameter 5 inches, depth 227 feet. Land-surface datum is 384.47 feet above msl. Highest water level 57.58 below lsd, Mar. 31, 1955; lowest 79.70 below lsd, Oct. 21, 1954. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	77.56	.....	57.72	69.93	76.65	76.73	77.23	77.57	77.43	77.57	78.19
2	.....	77.62	67.70	.....	70.03	76.76	76.77	77.24	77.62	77.43	77.46	77.68
3	h75.80	77.40	67.39	.....	70.16	76.94	76.91	77.40	77.52	77.40	77.47	77.61
4	75.37	77.37	67.09	.....	70.42	77.00	77.02	77.29	77.44	77.35	77.63	77.85
5	74.70	77.62	66.79	.....	70.74	76.54	77.10	77.40	77.44	77.49	77.68	77.61
6	74.26	77.99	66.51	.....	71.18	76.45	77.02	77.38	77.50	77.50	77.64	77.66
7	74.17	77.35	66.24	.....	71.74	76.33	76.90	77.38	77.50	77.45	77.66	78.29
8	74.00	75.93	65.85	.....	72.45	76.37	76.84	77.30	77.49	77.66	77.58	78.36
9	73.73	75.03	65.36	.....	73.16	76.48	76.85	77.25	77.58	77.78	77.49	78.36
10	73.44	73.89	64.94	.....	74.13	76.50	76.80	77.29	77.67	77.50	77.46	78.46
11	73.24	73.11	64.52	.....	74.48	76.36	76.88	77.27	77.73	77.59	77.47	78.60
12	73.17	72.82	64.14	.....	74.51	76.88	76.94	77.21	77.61	77.51	77.51	77.78
13	73.23	72.43	63.98	.....	74.64	76.46	77.04	77.06	77.68	77.53	77.49	78.56
14	73.40	71.96	63.72	.....	74.81	76.45	77.05	77.10	77.75	77.47	77.55	78.23
15	73.52	.....	63.44	.....	74.92	76.43	76.92	77.21	77.76	77.45	77.54	78.10
16	73.66	.....	63.24	.....	75.41	76.52	76.82	77.12	77.75	77.47	77.42	77.94
17	73.88	72.04	63.13	.....	75.39	76.53	76.98	77.13	77.64	77.43	77.43	77.82
18	74.22	72.30	62.80	.....	75.32	76.67	76.96	77.30	77.60	77.48	77.77	77.92
19	74.76	72.67	62.52	.....	75.31	76.97	76.96	77.39	77.64	77.64	77.66	78.02
20	75.20	73.02	62.10	.....	75.38	77.44	76.95	77.31	77.58	77.67	77.47	77.94
21	75.58	73.20	61.45	70.16	75.50	77.07	77.04	77.30	77.65	77.55	78.07	77.96
22	75.96	72.93	60.40	70.14	75.43	76.89	77.02	77.26	77.67	77.60	77.77	77.65
23	76.37	.....	59.73	70.16	75.45	76.71	77.03	72.25	77.67	77.55	77.84	77.68
24	76.95	.....	59.37	70.16	75.65	76.69	76.90	77.35	77.61	77.52	77.94	77.63
25	76.52	.....	58.91	69.74	76.05	76.64	77.11	77.46	77.55	77.64	77.84	77.67
26	76.50	.....	58.63	69.70	76.39	76.58	77.06	77.47	77.51	77.62	77.69	77.67
27	77.35	.....	58.27	69.58	76.64	76.60	77.06	77.47	77.47	77.65	77.59	77.58
28	77.68	.....	57.95	69.57	76.70	76.65	77.17	77.50	77.45	77.58	77.59	77.65
29	77.92		57.72	69.69	76.68	76.68	77.14	77.46	77.52	77.50	77.66	77.65
30	78.30		57.62	69.88	76.76	76.68	77.14	77.46	77.36	77.44	77.94	77.67
31	77.75		57.58		76.69		77.16	77.63		77.46		77.65

h Tape measurement.

8830-3700-135. Mrs. J. C. Morgan. Lat. 37°02', long. 88°34'. Dug unused water-table well in alluvium of Quaternary age, diameter 36 inches, depth 39 feet. Land-surface datum is 347.93 feet above msl (previously reported as about 341 feet above msl). Highest water level 2.56 below lsd, Jan. 15, 1951; lowest 15.28 below lsd, Sept. 29, 1954. Records available: 1950-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	10.97	6.29	5.56	5.23	5.74	6.52	10.28	13.03	13.97	14.22	13.72
2	.....	11.11	5.37	5.58	5.45	5.99	6.79	10.40	13.07	13.99	14.20	13.66
3	h10.31	11.34	5.32	5.72	5.68	6.22	7.14	10.55	13.11	14.00	14.20	13.62
4	.....	11.24	5.45	5.90	5.88	6.36	7.40	10.70	13.17	13.97	14.17	13.64
5	.....	10.91	5.64	6.03	6.13	6.47	7.60	10.87	13.23	13.92	14.11	13.65
6	.....	10.32	5.77	6.02	6.29	6.34	7.78	10.99	13.27	13.94	14.07	13.61
7	.....	9.43	5.94	6.10	6.37	6.09	7.87	11.03	13.30	13.98	14.10	13.54
8	.....	8.97	5.99	6.20	6.65	5.86	7.95	11.06	13.37	14.04	14.14	13.54
9	.....	8.90	6.09	6.25	6.87	5.87	8.21	11.16	13.45	14.05	14.12	13.63
10	.....	8.84	6.16	6.28	7.04	5.87	8.44	11.27	13.51	14.05	14.02	13.68
11	.....	9.16	6.30	5.87	7.16	....	8.60	11.34	13.55	14.06	13.99	13.70
12	.....	9.36	6.41	5.42	6.80	....	8.83	11.30	13.61	14.04	14.06	13.70
13	10.04	9.43	6.66	....	6.40	....	9.03	11.39	13.64	14.03	14.10	13.67
14	9.85	9.27	6.73	....	5.67	....	9.14	11.53	13.67	14.02	14.14	13.67
15	9.82	9.37	6.71	....	5.55	....	9.04	11.67	13.73	14.05	14.07	13.69
16	9.85	9.31	6.93	....	5.37	5.77	9.13	11.71	13.76	14.07	13.92	13.68
17	9.95	9.40	7.06	....	5.29	5.99	9.30	11.67	13.81	14.07	13.90	13.64
18	10.00	9.19	6.60	....	5.40	6.24	9.32	11.78	13.86	14.09	13.90	13.64
19	10.17	9.03	6.25	....	5.54	6.43	9.43	11.92	13.87	14.14	13.81	13.76
20	10.36	8.97	5.90	....	5.70	6.58	9.50	12.03	13.90	14.17	13.77	13.75
21	10.12	7.89	....	....	....	6.77	8.88	12.14	13.94	14.19	13.71	13.72
22	10.18	6.77	....	....	....	7.05	8.91	12.20	13.98	14.22	13.65	13.65
23	10.46	6.56	....	....	....	7.22	8.96	12.27	13.97	14.23	13.64	13.60
24	10.38	6.54	....	....	....	7.34	9.06	12.40	13.95	14.27	13.74	13.61
25	10.68	6.69	....	....	4.72	....	9.23	12.49	13.99	14.26	13.69	13.69
26	10.78	6.64	....	....	4.96	....	9.45	12.58	14.01	14.25	13.69	13.75
27	10.99	6.52	....	....	5.08	....	9.65	12.65	14.00	14.27	13.62	13.77
28	10.85	6.74	....	4.54	5.14	5.87	9.77	12.71	13.99	14.27	13.66	13.77
29	11.00		....	4.84	5.14	6.12	9.84	12.75	13.96	14.15	13.72	13.79
30	11.15		....	5.06	5.27	6.36	9.97	12.83	13.93	14.14	13.80	13.84
31	11.17		5.44		5.52		10.15	12.94		14.18		13.82

h Tape measurement.

Muhlenberg County

8700-3710-3. City of Drakesboro. Lat. 37°11', long. 87°04'. Drilled unused artesian well in Anvil Rock sandstone member of Lisman formation, diameter 8 inches, depth 176 feet. Land-surface datum is about 430 feet above msl. Highest water level 1.94 below lsd, Feb. 3, 1953; lowest 46.87 below lsd, Nov. 9, 11-12, 1955. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.60	5.06	3.63	4.55	e4.67	8.86	19.26	26.47	42.41	46.51	46.69	45.95
2	4.75	4.98	4.04	4.53	4.73	9.21	20.19	26.71	42.82	46.41	46.70	45.89
3	4.77	5.00	4.19	4.58	4.80	9.84	20.86	27.19	43.16	46.33	46.75	45.81
4	4.79	4.96	4.26	4.59	4.84	11.28	21.23	27.71	43.56	46.28	46.75	44.38
5	4.78	3.62	....	4.59	4.90	12.41	21.58	28.25	43.74	46.21	46.76	43.05
6	4.87	3.31	....	4.55	4.94	12.71	21.91	28.88	44.13	46.17	46.78	42.18
7	4.86	3.97	....	4.59	4.97	10.28	22.29	29.39	44.37	46.11	46.81	41.65
8	4.86	4.26	....	4.62	4.96	8.85	22.71	29.89	44.56	46.10	46.85	41.19
9	4.90	....	....	4.62	4.97	8.51	23.01	30.44	44.80	46.12	46.86	41.05
10	4.87	....	....	4.63	5.04	8.00	23.21	30.37	44.94	46.11	46.86	40.92
11	4.88	....	....	4.39	6.85	7.81	23.40	30.53	45.12	46.11	46.87	40.87
12	4.75	....	4.71	4.40	7.54	7.73	23.56	30.40	45.29	46.16	46.87	40.85
13	4.82	....	4.73	3.69	5.33	7.99	23.74	30.82	45.43	46.18	46.85	40.78
14	4.79	....	4.70	4.01	5.78	8.26	23.87	31.44	45.58	46.16	46.83	40.68
15	4.83	....	4.70	4.20	6.49	8.56	23.99	32.11	45.73	46.15	e46.81	40.48
16	4.85	....	3.80	4.29	6.44	8.79	24.12	32.90	45.87	46.14	e46.79	40.35
17	4.91	....	4.15	4.41	7.07	9.04	24.27	33.67	45.96	46.14	46.71	40.18
18	4.90	....	3.61	4.43	7.68	9.76	24.44	34.44	46.12	46.18	46.67	39.96
19	5.01	....	3.96	4.48	8.16	11.08	24.63	35.13	46.25	46.22	46.63	39.74
20	4.98	....	3.36	....	8.57	12.71	24.98	35.79	46.32	46.26	46.54	39.43

8700-3710-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	4.89	3.45	3.23	....	7.16	13.68	25.50	36.42	46.40	46.30	46.48	39.29
22	4.89	3.64	3.69	....	5.13	14.46	.....	37.00	46.48	46.35	46.39	39.04
23	4.91	4.09	3.96	4.32	6.23	15.39	24.70	37.55	46.54	46.39	46.33	38.70
24	4.92	4.26	4.17	4.34	6.91	15.94	25.07	38.13	46.58	46.43	46.25	38.25
25	5.01	....	4.18	4.38	7.53	14.41	25.46	38.73	46.62	46.44	46.18	37.98
26	4.99	....	4.36	4.41	7.97	13.84	25.86	39.27	46.67	46.48	46.10	37.69
27	5.04	3.33	4.43	4.44	8.30	15.09	26.36	39.86	46.70	46.52	46.01	37.52
28	5.06	3.58	4.43	e4.51	8.39	16.06	26.92	40.46	46.70	46.56	46.01	37.34
29	5.10		4.48	4.59	7.56	17.00	.....	40.98	46.64	46.59	46.01	37.18
30	5.16		4.51	4.62	7.95	18.03	.....	41.54	46.58	46.61	46.00	36.98
31	5.09		4.52		8.42		.....	42.03		46.66		36.77

e Estimated.

Ohio County

8650-3720-8. E. C. Heflin. Second St. and Central Ave., Beaver Dam. Lat. 37°24', long. 86°53'. Drilled unused artesian well in Caseyville sandstone, diameter 6 inches, depth 265 feet. Highest water level 116.39 below lsd, Mar. 10, 1952; lowest 149.56 below lsd, July 16, 1955. Records available: 1948, 1951-55.

Daily noon water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	140.30	Jan. 31	140.03	Mar. 2	140.52	Apr. 1	140.93
2	139.47	Feb. 1	139.76	3	140.82	2	140.37
3	138.91	2	140.16	4	141.10	3	138.95
4	139.30	3	140.67	5	140.83	4	138.43
5	139.48	4	141.57	6	140.18	5	139.30
6	139.85	5	141.78	7	138.95	6	139.70
7	140.60	6	141.05	8	140.13	7	140.48
8	140.92	7	140.31	9	140.02	8	141.89
9	139.71	8	139.74	10	140.98	9	141.92
10	138.72	9	139.71	11	141.37	10	141.17
11	138.99	10	140.42	12	141.24	11	140.91
12	139.29	11	141.12	13	141.17	12	141.08
13	139.50	12	141.47	14	139.95	13	141.40
14	140.62	13	140.54	15	140.54	14	141.72
15	141.20	14	139.73	16	140.28	15	142.65
16	141.42	15	140.27	17	139.98	16	142.98
17	140.38	16	140.20	18	139.95	17	142.17
18	141.15	17	139.65	19	140.27	18	140.96
19	141.90	18	140.00	20	139.82	19	140.99
20	141.22	19	140.51	21	138.43	20	141.78
21	140.88	20	140.43	22	138.67	23	h142.79
22	140.91	21	139.95	23	138.63	May 20	h141.69
23	140.84	22	140.31	24	139.24	June 17	h142.82
24	139.60	23	140.15	25	140.57	July 16	h149.56
25	140.29	24	140.13	26	140.80	Aug. 15	h147.26
26	142.06	25	140.98	27	139.50	Sept. 16	h148.11
27	142.53	26	141.50	28	138.82	Oct. 13	h143.56
28	142.07	27	141.63	29	138.77	Nov. 15	h131.80
29	142.02	28	141.12	30	140.17	Dec. 7	h129.87
30	140.78	Mar. 1	139.95	31	140.31		

h Tape measurement.

Pulaski County

8435-3655-1. R. Bausch. Lat. 36°59', long. 84°36'. Drilled unused water-table well in limestone of Fort Payne(?) chert, diameter 6 inches, depth 146 feet. Highest water level 82.76 below lsd, Sept. 12, 1954; lowest 90.99 below lsd, Nov. 8, 1952. Records available: 1952-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	83.15	82.87	83.04	82.89	82.78	83.53	.....	82.65	82.40	83.10	82.09
2	.....	83.08	82.89	83.05	82.96	82.77	83.54	.....	82.67	82.43	83.14	82.20
3	.....	83.05	82.91	83.08	83.00	82.77	83.56	.....	82.69	82.60	83.18	82.31
4	83.20	83.01	82.93	83.13	83.03	82.76	83.57	.....	82.72	82.73	83.21	81.80
5	83.24	82.95	82.97	83.16	83.06	82.73	83.56	.....	82.72	82.84	83.23	81.37

8435-3655-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	83.32	82.81	82.97	83.13	83.07	82.69	83.55	.....	82.72	82.93	83.23	81.03
7	83.41	82.69	82.94	83.09	83.06	82.65	83.52	.....	82.72	83.00	83.25	80.95
8	83.44	82.72	82.93	83.09	83.03	82.63	83.48	.....	82.74	82.24	83.26	81.14
9	83.46	82.83	82.92	83.10	82.98	82.61	83.45	.....	82.76	81.89	83.27	81.38
10	83.48	82.92	82.91	83.13	82.92	82.59	.....	.....	82.78	81.98	83.25	81.56
11	83.48	82.99	82.90	83.14	82.88	82.58	.....	.....	82.78	82.14	83.25	81.71
12	83.46	83.06	82.90	83.20	82.84	82.57	.....	.....	82.80	82.29	83.26	81.83
13	83.43	83.09	82.92	83.23	82.76	82.56	.....	.....	82.82	82.23	83.26	81.95
14	83.42	83.08	82.98	83.23	82.71	82.51	.....	.....	82.84	81.29	83.26	82.06
15	83.39	83.07	83.03	83.24	82.60	82.46	.....	.....	82.85	81.14	83.25	82.14
16	83.38	83.05	83.05	83.23	82.52	82.45	.....	.....	82.86	81.23	83.23	82.22
17	83.37	83.06	83.05	83.20	82.45	82.44	.....	.....	82.88	81.50	83.25	82.28
18	83.42	83.06	83.00	83.16	82.41	82.39	.....	.....	82.89	81.76	83.24	82.33
19	83.47	83.05	82.95	83.12	82.39	82.43	.....	.....	82.89	82.00	82.92	82.31
20	83.52	83.04	82.93	83.08	82.43	82.48	.....	.....	82.90	82.18	82.29	82.11
21	83.51	83.04	82.88	83.03	82.48	82.51	.....	.....	82.91	82.31	81.78	82.05
22	83.45	82.95	82.74	83.00	82.52	82.54	.....	.....	82.93	82.42	81.70	82.06
23	83.42	82.90	82.73	82.94	82.54	82.60	.....	.....	82.93	82.53	81.52	82.08
24	83.38	82.86	82.73	82.89	82.60	82.62	.....	.....	82.94	82.63	80.99	82.13
25	83.36	82.87	82.73	82.83	82.65	82.64	.....	.....	82.96	82.73	80.76	82.21
26	83.33	82.96	82.75	.....	82.69	.....	.....	.....	82.98	82.83	80.96	82.31
27	83.30	82.93	82.80	82.69	82.73	.....	.....	.....	83.00	82.91	81.21	82.39
28	83.26	82.90	82.86	82.66	82.76	.....	.....	.....	83.01	82.97	81.47	82.45
29	83.22	.....	82.94	82.67	82.78	83.54	.....	.....	83.02	82.99	81.73	82.50
30	83.20		82.99	82.80	82.77	83.53	.....	.....	82.86	83.03	81.92	82.55
31	83.16		83.01		82.78		.....	82.63		83.07		82.59

Rowan County

8320-3810-1. Nick Trkula. Lat. 38°12', long. 83°24'. Dug unused water-table well in shales and sandstones of Mississippian age, diameter 30 inches, depth 24 feet. Land-surface datum is about 780 feet above msl. Highest water level 5.22 below lsd, Mar. 5, 1955; lowest 15.37 below lsd, Dec. 19, 1953. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	k11.15	11.31	5.96	.....	.....	11.27	.....	11.27	12.06	11.47	11.97	11.76
2	k11.20	10.27	6.87	.....	.....	11.29	.....	11.35	12.06	11.68	11.97	11.55
3	k11.29	10.37	8.31	.....	.....	11.36	.....	11.44	12.05	11.78	12.01	11.36
4	10.72	11.12	7.64	.....	.....	11.42	.....	11.50	12.07	11.82	12.07	9.60
5	6.24	11.10	5.85	.....	h11.41	11.46	k11.80	11.55	12.10	11.84	12.03	11.27
6	7.18	5.96	6.05	.....	11.46	11.53	11.83	11.59	12.08	11.87	11.95	11.32
7	8.60	6.23	6.80	.....	11.49	11.39	9.85	11.53	12.11	11.90	12.01	11.35
8	10.10	7.46	8.14	.....	11.61	10.86	8.49	11.38	12.15	10.58	12.07	11.42
9	10.64	9.15	9.58	.....	11.72	9.18	6.78	11.50	12.18	11.33	12.05	11.49
10	10.93	10.11	10.41	.....	11.72	10.87	6.76	11.58	12.20	11.42	11.97	11.63
11	11.07	10.27	9.95	.....	11.73	9.50	10.32	11.62	12.22	11.49	11.98	11.63
12	10.95	10.62	7.94	.....	11.72	7.99	11.18	11.64	12.28	11.53	12.08	11.64
13	10.93	10.87	9.51	.....	10.93	9.63	11.27	11.70	12.30	11.60	12.14	11.66
14	11.15	10.65	10.14	.....	7.95	10.32	11.30	11.79	12.30	11.39	11.50	11.67
15	11.01	10.79	9.01	.....	.....	10.85	11.37	11.81	12.28	11.52	11.42	11.66
16	9.97	8.21	6.60	.....	.....	11.25	11.44	11.80	12.31	11.62	11.52	11.73
17	10.60	6.39	7.74	.....	.....	11.28	11.30	11.82	12.34	11.59	11.40	11.68
18	10.99	7.42	8.66	.....	.....	11.33	11.32	11.85	12.32	11.47	11.55	11.73
19	11.14	8.77	9.26	.....	.....	11.39	11.43	11.93	12.27	11.48	11.38	11.53
20	11.29	9.98	10.08	.....	.....	11.44	11.48	11.94	12.28	11.67	11.37	11.63
21	11.28	10.66	7.35	.....	.....	11.49	11.55	11.95	12.34	11.67	11.40	11.64
22	9.82	6.29	6.41	.....	.....	11.40	11.60	11.91	11.55	11.77	11.41	11.63
23	8.27	6.48	7.42	.....	.....	11.51	11.62	11.64	11.77	11.78	11.35	11.67
24	9.76	6.66	9.30	.....	.....	11.59	9.50	11.80	11.80	11.75	11.41	11.69
25	10.77	9.49	10.28	.....	.....	11.67	7.48	11.87	11.88	11.77	11.42	11.78
26	11.14	10.12	9.00	.....	h11.31	11.67	10.52	11.93	12.04	11.73	11.49	11.86
27	10.62	5.75	9.20	.....	11.40	11.55	11.12	11.95	12.07	11.82	11.46	11.86
28	10.85	5.80	9.75	.....	11.48	11.72	9.38	11.97	12.11	11.78	11.57	11.86
29	11.24		10.45	.....	9.40	11.76	6.81	11.97	12.12	11.77	11.64	11.84
30	11.31		.....	.....	9.50	.....	9.47	11.97	11.32	11.84	11.76	11.84
31	11.32		.....		10.80		11.00	12.02		11.93		11.82

h Tape measurement.
k Interpolated.

8320-3810-2. Nick Trkula. Lat. 38°12', long. 83°24'. Drilled unused water-table well in shales and sandstones of Mississippian age, diameter 5 inches, depth 33 feet. Land-surface datum is about 780 feet above msl. Highest water level 11.96 below lsd, Feb. 27, 1955; lowest 18.81 below lsd, July 2, 1954. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	13.70	.....	12.12	.....	.....	14.41	.....	13.72	15.89	15.88	15.72	15.47
2	.....	14.25	12.78	.....	.....	14.55	.....	14.22	15.80	15.87	15.74	15.31
3	14.02	13.85	12.55	.....	.....	14.68	.....	14.55	15.88	15.73	15.76	15.20
4	14.18	.....	12.68	.....	.....	14.81	.....	14.75	15.95	15.75	15.80	14.58
5	12.85	.....	.....	.....	h14.40	14.90	h15.45	14.85	15.98	15.73	15.77	14.24
6	13.05	.....	.....	.....	14.55	14.98	15.45	14.98	15.97	15.72	15.80	.....
7	13.15	.....	.....	.....	14.61	14.81	15.09	15.03	16.00	15.56	15.88	.....
8	.....	.....	.....	.....	14.79	14.72	14.15	14.99	16.08	14.96	15.90	.....
9	.....	.....	.....	.....	14.88	14.25	12.11	15.04	16.07	14.75	15.93	.....
10	.....	.....	.....	.....	14.95	14.06	13.23	15.11	16.10	14.93	15.84	.....
11	.....	.....	.....	.....	15.09	13.36	13.52	15.16	16.17	15.02	15.87	.....
12	.....	.....	.....	.....	15.08	13.31	13.75	15.19	16.25	15.17	15.97	.....
13	.....	.....	.....	.....	14.97	13.39	14.26	15.28	16.28	15.21	15.94	.....
14	.....	.....	.....	.....	14.21	13.37	14.52	15.41	16.30	15.24	15.92	.....
15	.....	.....	.....	.....	13.96	13.43	14.69	15.45	16.30	15.29	15.77	.....
16	.....	.....	.....	.....	13.86	13.49	14.86	15.45	16.30	15.33	15.72	.....
17	.....	.....	.....	.....	13.84	13.89	14.96	15.50	16.40	15.36	15.81	.....
18	.....	.....	.....	.....	14.14	14.30	14.96	15.60	16.43	15.42	15.62	.....
19	.....	.....	.....	.....	14.18	14.49	14.93	15.70	16.35	15.50	15.48	.....
20	.....	.....	.....	.....	14.56	14.61	14.95	15.75	16.40	15.52	15.48	15.55
21	.....	.....	.....	.....	14.70	14.75	15.10	15.80	16.43	15.57	15.33	15.51
22	.....	.....	.....	.....	14.86	14.68	15.14	15.75	16.27	15.57	15.20	.....
23	.....	.....	h12.73	.....	14.70	14.82	15.20	15.68	16.18	15.54	15.30	.....
24	.....	h12.71	.....	.....	14.52	14.87	14.65	15.71	16.18	15.55	15.28	.....
25	.....	12.88	.....	.....	14.64	14.98	14.05	15.74	16.18	15.56	15.04	.....
26	.....	12.88	.....	.....	14.75	15.05	13.97	15.75	16.14	15.56	15.00	.....
27	.....	11.96	.....	.....	14.87	15.08	13.95	15.80	16.08	15.58	15.05	.....
28	.....	12.12	.....	.....	14.90	15.17	12.75	15.85	16.13	15.55	15.21	.....
29	.....		.....	.....	14.40	15.23	13.05	15.82	16.02	15.61	15.34	.....
30	.....		.....	.....	14.16	.....	13.28	15.81	15.87	15.64	15.48	.....
31	.....		.....		14.17		13.47	15.88		15.74		.....

h Tape measurement.

Scott County

8430-3820-7. W. T. Nelson. Lat. 38°21', long. 84°32'. Dug unused water-table well in shale and limestone of the Eden formation, diameter 36 inches, depth 20 feet. Land-surface datum is about 990 feet above msl. Highest water level 17.00 below lsd, Mar. 22, 1955; lowest 19.56 below lsd, Jan. 12-13, 1954. Records available: 1953-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.28	19.35	17.41	17.61	18.49	18.95	19.16	18.82	19.14	19.24	19.39	19.36
2	19.28	19.34	17.34	17.66	18.52	18.96	19.16	18.83	19.15	19.25	19.35	19.36
3	19.28	19.35	17.37	17.69	18.54	18.97	19.17	18.85	19.16	19.26	19.34	19.33
4	.....	19.36	17.40	17.73	18.56	18.98	19.18	18.86	19.17	19.26	19.34	19.33
5	19.27	19.32	17.29	17.77	18.59	18.99	19.19	18.87	19.18	19.27	19.35	19.21
6	19.28	18.98	17.11	17.81	18.61	19.00	19.19	18.88	19.19	19.27	19.36	19.22
7	19.28	18.94	17.18	17.85	18.63	18.99	19.20	18.72	19.20	19.24	19.36	19.22
8	19.29	18.94	17.27	17.88	18.66	18.92	19.17	18.74	19.21	19.25	19.37	19.23
9	19.29	18.95	17.33	17.92	18.67	18.93	19.18	18.76	19.22	19.25	19.38	19.23
10	19.29	18.96	17.38	17.96	18.68	18.95	19.17	18.78	19.22	19.26	19.38	19.24
11	19.29	18.96	17.28	17.98	18.73	18.94	19.18	18.79	19.23	19.27	19.39	19.25
12	19.29	18.99	17.33	18.01	18.75	18.95	19.19	18.81	19.23	19.27	19.39	19.25
13	19.29	19.01	17.37	18.04	18.75	18.97	19.20	18.82	19.23	19.27	19.40	19.25
14	19.29	19.01	17.42	18.06	18.73	18.98	19.21	18.84	19.24	19.27	19.40	19.25
15	19.29	19.02	17.29	18.09	18.74	19.00	19.22	18.86	19.24	19.28	19.34	19.23
16	19.29	19.01	17.21	18.13	18.76	19.01	19.22	18.87	19.24	19.28	19.33	19.25
17	19.29	19.01	17.27	18.16	18.78	19.02	19.23	18.89	19.25	19.29	19.33	19.25
18	19.30	19.02	17.32	18.19	18.79	19.03	18.86	18.91	19.25	19.29	19.34	19.25
19	19.30	19.03	17.37	18.22	18.80	19.04	18.82	18.92	19.26	19.30	19.33	19.25
20	19.31	19.04	17.42	18.24	18.82	19.05	18.83	k18.95	19.26	19.31	19.33	19.26

8430-3820-7--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	19.31	18.99	17.17	18.26	18.83	19.06	18.84	k18.97	19.27	19.33	19.33	19.27
22	19.30	18.64	17.00	18.28	18.82	19.07	18.86	k18.98	19.26	19.34	19.34	19.27
23	19.31	18.65	17.03	18.30	18.84	19.08	18.87	k19.00	19.25	19.35	19.33	19.26
24	19.31	18.67	17.13	18.32	18.85	19.09	18.78	k19.01	19.25	19.35	19.33	19.26
25	19.32	18.69	17.23	18.33	18.86	19.10	18.79	k19.03	19.26	19.36	19.34	19.26
26	19.32	18.65	17.31	18.36	18.88	19.11	18.80	k19.04	19.26	19.36	19.34	19.26
27	19.33	18.28	17.39	18.38	18.89	19.12	18.82	k19.06	19.27	19.37	19.34	19.27
28	19.34	17.79	17.43	18.41	18.90	19.13	18.76	k19.07	19.27	19.37	19.34	19.27
29	19.34		17.47	18.44	18.91	19.14	18.77	k19.09	19.28	19.38	19.35	19.27
30	19.35		17.53	18.47	18.92	19.15	18.79	k19.10	19.23	19.38	19.35	19.27
31	19.36		17.57		18.93		18.80	h19.12		19.39		19.28

h Tape measurement.
k Interpolated.

Union County

8755-3735-10. J. A. Schneider. Lat. 37°39', long. 87°56'. Drilled unused artesian well in fault zone in middle part of Pennsylvanian system, diameter 6 inches, depth 59 feet. Highest water level 3.48 below lsd, Feb. 4, 1952; lowest 18.06 below lsd, Dec. 1, 1953. Records available: 1951-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	12.34	11.39	.....	7.14	5.87	.....	7.55	9.91	12.80	14.47	14.52	12.36
2	12.37	11.42	.....	7.09	5.91	.....	7.72	10.03	12.86	14.50	14.35	12.24
3	12.30	11.51	.....	7.15	5.98	.....	7.86	10.15	12.91	14.52	14.01	12.20
4	12.22	11.41	.....	7.19	6.02	.....	7.97	10.29	12.98	14.52	13.83	12.24
5	12.12	11.23	.....	7.22	5.98	.....	8.07	10.43	13.06	14.52	13.67	12.25
6	12.11	10.92	.....	7.17	6.00	.....	8.17	10.53	13.11	14.50	13.59	12.17
7	12.12	10.79	8.50	7.21	6.02	.....	8.28	10.63	13.17	14.53	13.57	12.03
8	12.01	10.62	8.42	7.24	6.16	.....	8.41	10.74	13.25	14.60	13.56	12.07
9	11.97	10.49	8.37	7.23	6.22	.....	8.56	10.85	13.34	14.61	13.48	12.16
10	11.95	10.42	8.34	7.20	6.25	.....	8.44	10.95	13.40	14.61	13.38	12.17
11	11.95	10.53	8.39	7.02	6.27	.....	8.42	11.01	13.46	14.61	13.37	12.14
12	11.86	10.61	8.43	6.99	6.22	.....	8.48	11.11	13.55	14.57	13.42	12.09
13	11.88	10.52	8.56	6.65	6.05	.....	8.57	11.20	13.61	14.49	13.43	12.02
14	11.77	10.41	8.52	6.47	5.96	.....	8.63	11.31	13.66	14.45	13.43	12.01
15	11.71	10.38	8.33	6.47	5.93	.....	8.66	11.41	13.71	14.45	.....	12.03
16	11.65	10.32	8.33	6.42	5.90	.....	8.75	11.47	13.79	14.45	13.20	11.99
17	11.61	.....	8.30	6.49	5.95	6.97	8.86	11.52	13.87	14.42	13.09	11.92
18	11.55	.....	8.17	6.47	6.01	7.05	8.90	11.63	13.92	14.45	12.96	11.95
19	11.56	.....	8.09	6.51	6.08	7.15	8.81	11.72	13.94	14.50	12.85	12.10
20	11.57	.....	8.00	6.56	6.14	7.26	8.80	11.82	13.99	14.50	12.80	12.01
21	11.42	.....	7.40	6.26	6.18	7.34	8.76	11.90	14.06	14.49	12.69	11.93
22	11.41	.....	7.18	6.12	6.12	7.44	8.80	11.97	14.12	14.51	12.58	11.82
23	11.46	.....	7.08	5.96	6.18	7.53	8.84	12.06	14.12	14.50	12.60	11.79
24	11.39	.....	7.09	5.70	6.20	7.59	8.91	12.15	14.20	14.53	12.66	11.81
25	11.48	.....	6.99	5.71	6.32	7.27	9.03	12.24	14.26	14.52	12.51	11.96
26	11.48	.....	7.18	5.72	6.38	7.20	9.17	12.32	14.29	14.50	12.46	11.98
27	11.53	.....	7.22	5.70	6.47	7.22	9.29	12.39	14.30	14.52	12.34	11.96
28	11.42	.....	7.16	5.72	6.46	7.27	9.40	12.46	14.35	14.48	12.42	11.91
29	11.46		7.16	5.80	6.45	7.34	9.52	12.52	14.35	14.47	12.43	11.91
30	11.52		7.18	5.86	6.49	7.45	9.63	12.61	14.39	14.50	12.48	11.95
31	11.48		7.15		6.58		9.78	12.72		14.53		11.84

Wolfe County

8320-3740-5. Mrs. Lexi Couch. Lat. 37°41', long. 83°20'. Dug unused water-table well in mantle and Breathitt formation, diameter 30 inches, depth 9 feet. Highest water level 3.36 below lsd, Feb. 27, 1955; lowest 7.20 below lsd, Sept. 19, 1954. Records available: 1954-55.

Daily noon water level from recorder graph, 1954*

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	5.87	....	6.41	6.47	h6.15	5.95	5.31
2	....	5.88	....	6.37	6.49	6.14	5.95	5.39
3	....	5.82	....	6.34	6.52	6.12	5.93	5.47
4	....	5.75	....	h6.28	6.58	6.12	5.88	5.53
5	....	5.76	....	6.24	6.62	6.13	5.68	5.50

8320-3740-5--Continued.

Day	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	....	5.83	h6.32	6.22	6.66	6.17	5.59	5.99
7	....	5.88	6.07	6.24	6.66	6.20	5.57	5.12
8	....	5.93	6.08	6.27	6.69	6.20	5.63	5.23
9	....	5.96	6.09	5.71	6.74	6.20	5.69	5.11
10	....	....	6.12	5.91	6.77	6.20	5.76	5.12
11	....	....	6.15	6.02	6.83	6.21	5.83	5.15
12	....	....	6.17	6.07	6.89	6.24	5.85	5.15
13	....	....	6.20	6.08	6.93	6.29	5.87	5.00
14	....	....	6.24	6.10	6.97	6.30	5.88	4.90
15	....	....	6.30	6.12	7.02	5.82	5.89	4.93
16	....	....	6.32	6.14	7.07	5.95	5.91	5.04
17	....	....	6.34	6.19	7.12	5.99	5.93	5.00
18	h5.70	....	6.34	6.21	7.16	5.97	5.95	4.44
19	5.51	....	6.34	6.24	7.19	5.98	5.92	4.76
20	5.43	....	6.35	6.26	5.93	5.99	5.04	4.98
21	5.44	....	6.12	6.30	5.67	5.99	5.16	5.06
22	5.50	....	6.10	6.33	6.06	6.02	5.31	5.11
23	5.55	....	6.12	6.37	6.16	6.04	5.39	5.13
24	5.61	....	6.15	6.39	6.21	6.04	5.38	5.19
25	5.67	....	6.19	6.40	6.24	6.04	5.34	5.26
26	5.69	....	6.25	6.42	6.26	6.04	5.38	5.32
27	5.61	....	6.31	6.45	6.27	6.03	5.34	5.35
28	5.74	....	6.35	6.46	6.28	6.03	5.31	5.35
29	5.76	....	6.38	6.47	6.29	5.99	5.30	4.47
30	5.79	....	6.39	6.43	6.24	5.93	5.34	4.44
31	5.84		6.39	6.45		5.94		4.82

* No record for January February, March, and April.

Daily noon water level from recorder graph, 1955

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.97	5.24	3.95	5.08	....	5.55	....	5.55	6.19	6.63	6.37	6.10
2	5.06	5.09	4.53	5.09	....	5.58	....	5.63	6.20	6.62	6.38	6.06
3	5.12	5.15	4.74	5.09	....	5.63	....	5.66	6.24	6.61	6.42	5.99
4	....	5.18	4.42	5.10	....	5.67	....	5.68	6.27	6.61	6.45	5.58
5	h4.93	5.13	4.13	5.10	....	5.70	....	5.71	6.30	6.61	6.46	5.48
6	4.91	3.90	4.14	5.11	....	6.40	5.64	5.73	6.32	6.62	6.46	5.51
7	4.96	4.38	4.44	5.11	....	5.81	5.56	5.79	6.34	6.62	6.50	5.59
8	5.00	4.67	4.64	5.14	....	5.53	5.43	5.75	6.38	6.56	6.53	5.67
9	5.02	4.89	4.78	5.17	5.15	5.40	4.49	5.59	6.42	6.49	6.55	5.75
10	5.09	4.96	4.84	5.18	5.17	5.44	4.85	5.60	6.45	6.48	6.53	5.79
11	5.05	4.91	4.79	5.15	5.20	5.16	5.01	5.62	6.49	6.47	6.56	5.83
12	5.04	4.96	4.81	5.11	5.20	5.02	5.10	5.50	6.54	6.45	6.60	5.88
13	5.03	5.01	4.84	5.13	5.07	4.97	5.15	5.54	6.61	6.41	6.64	5.93
14	5.05	5.02	4.85	4.84	4.95	4.99	5.19	5.65	6.64	6.36	6.64	5.98
15	5.03	5.04	4.27	4.75	4.92	4.86	5.21	5.69	6.68	6.34	6.54	6.00
16	5.00	4.95	4.31	4.84	5.02	4.96	5.24	5.60	6.72	6.33	6.47	6.03
17	5.02	4.70	4.61	4.91	5.06	5.06	5.17	5.59	6.77	6.31	6.46	6.03
18	5.06	4.82	4.49	4.96	5.12	5.12	5.26	5.63	6.82	6.32	6.41	6.00
19	5.10	4.91	4.65	5.01	5.14	5.17	5.31	5.68	6.84	6.27	6.16	h5.78
20	5.16	4.98	4.80	5.05	5.18	5.21	5.36	5.74	6.88	6.23	6.20	5.94
21	5.17	5.01	4.75	5.06	5.21	5.28	5.41	5.77	6.93	6.21	6.21	5.88
22	5.03	4.77	4.38	5.06	5.21	5.35	5.47	5.82	6.91	6.23	6.18	5.82
23	4.92	4.58	4.69	5.06	5.28	5.41	5.51	5.85	6.88	6.22	6.12	5.78
24	4.97	4.78	4.86	4.89	5.31	5.40	5.55	5.88	6.81	6.23	6.14	5.75
25	5.02	4.91	4.90	4.93	5.12	4.99	5.56	5.92	6.73	6.23	6.06	5.68
26	5.10	4.95	4.92	4.82	5.25	5.17	5.60	5.98	6.69	6.22	6.07	5.73
27	5.11	3.55	5.00	....	5.38	5.24	5.64	6.04	6.65	6.24	6.03	5.80
28	5.15	3.75	4.97	....	5.47	5.30	5.45	6.09	6.63	6.25	6.03	5.83
29	5.18		5.01	....	5.40	....	5.31	6.11	6.61	6.25	6.05	5.85
30	5.22		5.04	....	5.43	....	5.39	6.15	6.61	6.28	6.09	5.82
31	5.26		5.06		5.49		5.48	6.17		6.34		5.73

h Tape measurement.

MARYLAND

By Claire A. Richardson

Scope of Water-Level Program

The observation-well program in Maryland was continued during 1955 in cooperation with the State Department of Geology, Mines and Water Resources. Measurements were made in 95 observation wells: 10 in the Appalachian Plateau and Ridge and Valley provinces, 19 in the Piedmont province, and 66 in the Coastal Plain province. Figures 32 and 33 show the location of these wells.

Precipitation

The annual precipitation in Maryland in 1955 was 41.71 inches, 0.25 inch below normal. The greatest departure from normal occurred in August when the rainfall was 12.42 inches, 7.86 above normal, owing to the passage of two hurricanes over the State. Hurricane "Connie" on August 12 and 13 brought 15.32 inches of rain to 7 stations having a normal rainfall of 4.62 inches in August. Hurricane "Diane" on August 18 brought 10.50 inches of rainfall to 4 stations having a normal rainfall of 4.03 inches for the month.

Interpretation of Water-Level Fluctuations

Appalachian Plateau and Ridge and Valley provinces. --The water levels in all but one well (Wa-Dh 1 in Sharpsburg) showed a net decline for 1955. Most highs were in March; most lows were scattered through the last 6 months of the year. Record highs were reached in 2 wells in March; a record low was reached in 1 well in September. The average net decline for this area amounted to 5.11 feet.

Piedmont province. --The water levels in all but one well (Mont-De 1 in Gaithersburg) showed a net rise for 1955. Most highs were in April and in September-October. The highs in the latter period were caused by the passage of the hurricanes over this area. Record highs were reached in two wells, one in April and the other in August. Most lows were reached in the first 3 months of the year. Three record lows were reached, one each in January, February, and March. The average net change for this area for 1955 was a rise of 2.14 feet.

Baltimore industrial area. --The water levels in most wells showed a net decline for 1955; however, the average net change was a decline of only 0.74 foot. One well showed a net rise of 7.79 feet (well Bal-Gf 168 in the Sparrows Point district). Two record lows were reached in 1955; there were no record highs. Net rises for the year were in the Back River and Sparrows Point districts. Net declines were in the Poplar, Bay Shore Park, Highlandtown, Dundalk, Harbor, Fairfield, and Curtis Bay districts. Most highs for the year were in April; most lows were in July and September. All the observation wells in the Baltimore industrial area end in either the Patuxent or the Patapsco formation. The net change in water level in wells ending in the Patuxent formation was a decline of 1.83 feet. The net change in water level in the Patapsco wells was a rise of 1.66 feet. With one or two exceptions, all the observation wells in the Baltimore industrial area are artesian. Therefore, they reflect changes in the rate of pumping rather than changes in the level of the water table.

Coastal Plain (western part). --The water levels in the part of the Coastal Plain west of Chesapeake Bay showed a net rise of 0.27 foot for 1955. However, record lows were reached in 6 wells, 3 in February, 1 in March, 1 in July, and 1 in December. Most highs were in April, but others were scattered throughout the year. Most lows were in the last 4 months of the year, but some were reached in February and in July. Most wells in this area are artesian wells; several of them reflect changes in the rate of pumping rather than fluctuations due solely to natural causes.

Coastal Plain (eastern part). --The water levels in that part of the province east of Chesapeake Bay showed an average net rise of 0.15 foot in 1955. Most highs were reached in March-April and in September. Most lows were reached in February and in June-July. Record highs were reached in 4 wells, 3 in September, and 1 in October. Record lows were reached in 6 wells, all in the last 3 months of 1955. Most observation wells in this area are water-table wells,

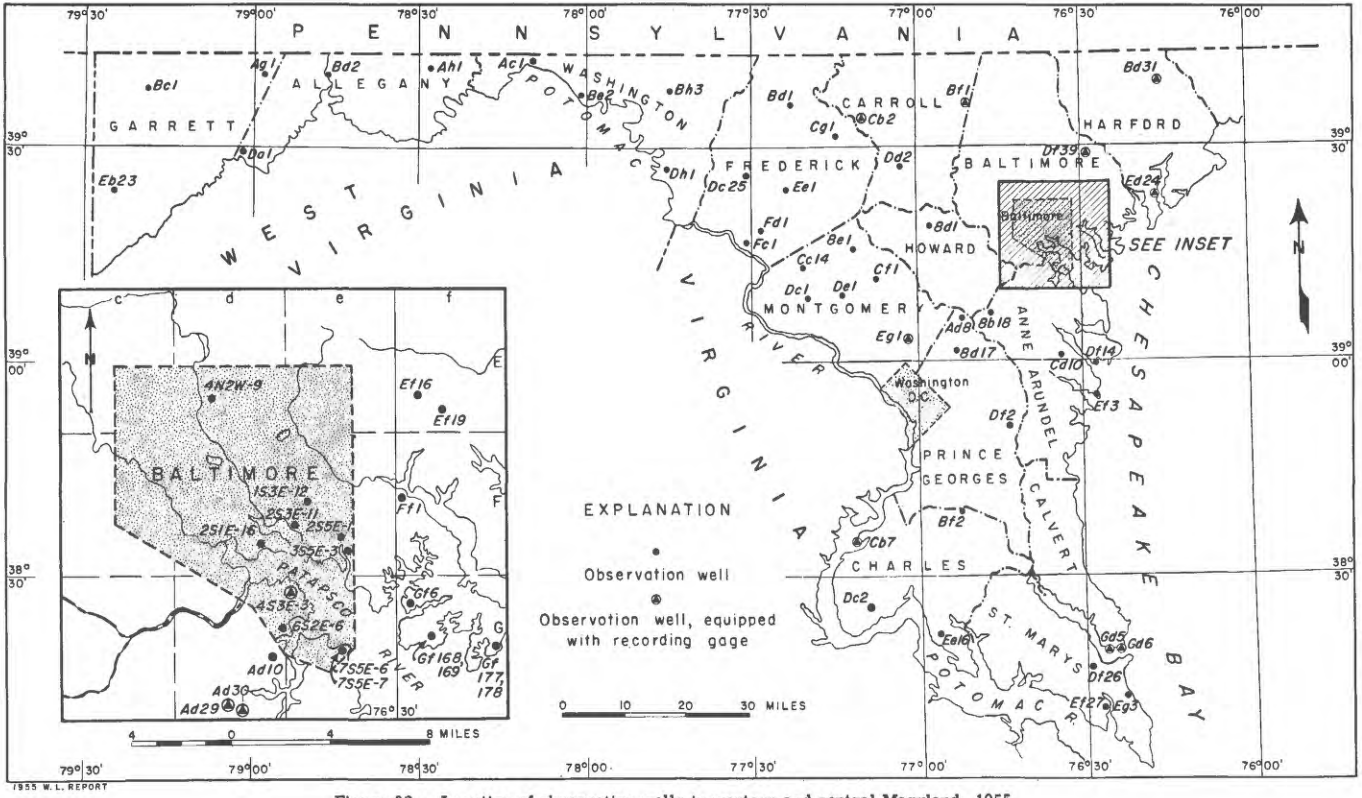


Figure 32. --Location of observation wells in western and central Maryland, 1955.

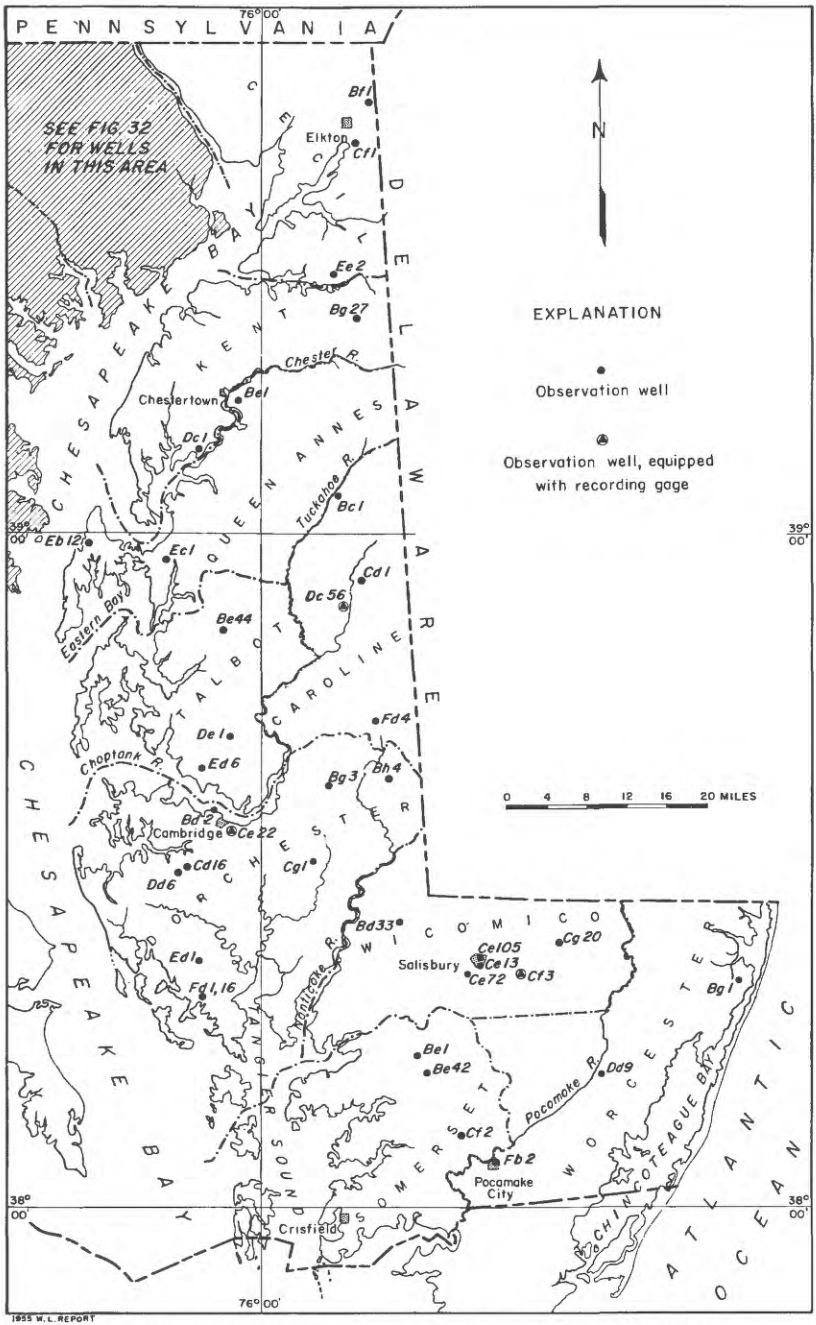


Figure 33. --Location of observation wells on Eastern Shore, Md., 1955.

reflecting chiefly seasonal fluctuations in the water table. The levels in three of the artesian wells (Dor-Bd 2, Dor-Ce 22, and Tal-Ed 6) reflect the effects of pumping from the so-called "400-foot" aquifer at Cambridge. Well Dor-Bd 2, nearest the center of pumpage, showed a net decline of 4.80 feet; well Tal-Ed 6, farthest from the center of pumpage, showed a net rise of 0.08 foot.

Well-Numbering System

All wells outside of Baltimore City are grouped by counties. Each county is divided into 5-minute quadrangles. Each quadrangle from north to south is designated by uppercase letters and from west to east by lowercase letters. The wells are numbered in each 5-minute quadrangle in the order in which they were inventoried. A different well-numbering system is used for wells in Baltimore City. All wells within the city limits are referred to mile squares which are in turn referred to the Washington Monument, near the center of the city. Thus well 2S3E-9 is in the square mile that is 2 miles south and 3 miles east of the Washington Monument and is the ninth well inventoried in that square.

Well Descriptions and Water-Level Measurements

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

City of Baltimore

4N2W-9. Baltimore Country Club. Falls and Harvest Rds. Lat. 39°21'06", long. 76°37'58". Drilled unused water-table well in Precambrian rocks, diameter 6 inches, depth 114 feet. Land-surface datum is 220 feet above msl. Highest water level 6.46 below lsd, Mar. 14, 1949; lowest 14.26 below lsd, Dec. 29, 1954. Records available: 1943-55. Jan. 11, 14.06; May 19, 12.71; July 18, 12.57; Sept. 21, 11.12; Oct. 19, 9.54; Nov. 16, 10.40.

1S3E-12. Kimball Tyler Co., Inc. Haven and Gough Sts. Lat. 39°17'23", long. 76°33'17". Drilled unused artesian well in Patuxent formation, diameter 6 inches, depth 172 feet. Land-surface datum is 60 feet above msl. Highest water level 101.97 below lsd, Mar. 30, 1953; lowest 124.51 below lsd, June 20, 1947. Records available: 1944-55. Feb. 14, 109.95; Apr. 29, 105.89; July 18, 111.50; Sept. 21, 116.12; Oct. 19, 115.10.

2S1E-16. Buck Glass Co. Lawrence St. and Fort Ave. Lat. 39°16'16", long. 76°36'10". Drilled unused artesian well in Patuxent formation, diameter 8 inches, depth 112 feet. Land-surface datum is 40 feet above msl. Highest water level 35.91 below lsd, Feb. 8, 1954; lowest 58.19 below lsd, Apr. 6, 1944. Records available: 1944-55. Feb. 25, 40.02; Apr. 26, 38.97; July 11, 36.52; Sept. 26, 40.81; Nov. 7, 39.41; Dec. 5, 39.43.

2S3E-11. J. S. Young Co. Boston St. and Luzerne Ave. Lat. 39°16'34", long. 76°34'44". Drilled unused artesian well in Patuxent formation, diameter 8 inches, depth 160 feet. Land-surface datum is 12 feet above msl. Highest water level 30.60 below lsd, July 29, 1949; lowest 37.44 below lsd, June 3, 1944. Records available: 1943-55. Feb. 14, 32.95; Apr. 25, 30.81; July 18, 32.05; Sept. 21, 33.21; Oct. 19, 32.86; Nov. 16, 33.35.

2S5E-1. U. S. Army. Holabird Ave. and Pumphrey St. Lat. 39°16'18", long. 76°32'20". Drilled unused artesian well in Patuxent formation, diameter 12 inches, depth 290 feet. Land-surface datum is 18 feet above msl. Highest water level 80.89 below lsd, June 22, 1943; lowest 103.70 below lsd, Oct. 15, 1948. Records available: 1943-55. Feb. 14, 94.57; Apr. 20, 94.37; July 18, 88.18; Sept. 21, 99.82; Oct. 19, 100.67; Nov. 23, 100.32.

3S5E-3. Federal Yeast Corp. Dundalk. Lat. 39°15'52", long. 76°32'20". Drilled unused artesian well in Patapsco formation, diameter 6 inches, depth 131 feet. Land-surface datum is 12 feet above msl. Highest water level 38.30 below lsd, May 10, 1947; lowest 51.22 below lsd, Apr. 22, 1945. Records available: 1943-55. Feb. 14, 43.25; Apr. 25, 41.68; July 18, 42.13; Sept. 21, 45.06; Oct. 19, 44.82; Nov. 16, 44.14.

4S3E-3. Virginia-Carolina Chemical Corp. Fairfield. Lat. 39°14'33", long. 76°34'28". Drilled unused artesian well in Patuxent formation, diameter 18 inches, depth 357 feet, cased to 325. Land-surface datum is 20 feet above msl. Highest water level 40.37 below lsd, Aug. 28, 1952; lowest 72.11 below lsd, Oct. 24, 1947. Records available: 1947-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	64.25	63.44	63.38	64.48	57.86	62.80	.....	60.15	.....	69.58	66.97	68.98
2	62.94	64.37	64.01	64.49	56.95	.....	.....	62.60	.....	67.13	68.23	68.52
3	61.91	64.56	64.56	63.91	57.88	.....	.....	64.05	.....	65.66	68.89	68.30
4	62.57	65.40	64.66	62.31	59.25	.....	.....	65.58	.....	67.09	70.35	68.18
5	63.50	65.30	64.70	62.76	60.80	.....	.....	66.90	.....	68.12	70.37	67.57

4S3E-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	64.15	64.85	64.19	62.83	61.79	.....	.....	67.68	.....	68.81	70.05	68.23
7	65.02	62.32	63.86	63.03	61.82	.....	.....	67.65	.....	69.35	67.35	68.35
8	64.97	62.47	64.16	61.27	61.65	.....	.....	67.61	.....	70.30	69.03	68.50
9	62.56	64.19	64.53	60.49	62.06	.....	.....	67.91	.....	70.37	70.10	69.49
10	60.17	64.88	64.68	59.49	62.18	.....	.....	68.32	.....	69.42	70.73	69.97
11	60.62	65.57	64.73	.....	63.02	.....	.....	68.68	.....	69.50	71.01	69.33
12	60.77	66.28	64.85	.....	63.21	.....	62.92	69.10	.....	69.54	69.84	68.54
13	62.34	65.30	64.37	.....	63.38	.....	63.02	69.00	.....	69.56	69.92	68.92
14	62.98	63.06	63.59	.....	63.31	.....	63.56	67.18	.....	69.57	67.90	68.83
15	62.72	64.16	63.45	.....	63.28	.....	63.84	66.31	.....	68.10	68.71	69.30
16	62.51	64.95	64.11	.....	62.44	.....	63.80	65.87	.....	66.18	69.04	69.42
17	62.14	65.80	64.75	.....	63.05	.....	63.22	65.93	.....	64.68	70.34	69.15
18	62.45	66.35	65.06	.....	64.39	.....	61.72	65.76	.....	66.51	71.13	68.62
19	62.65	66.22	65.06	.....	65.65	.....	60.40	67.65	.....	67.66	70.97	68.75
20	63.16	63.70	64.43	.....	66.04	.....	59.79	68.12	.....	68.32	67.71	68.95
21	63.13	61.85	62.36	.....	65.80	.....	59.10	67.90	.....	68.83	66.01	69.36
22	63.09	62.24	61.50	.....	64.45	.....	58.96	67.57	.....	69.82	68.66	69.46
23	62.45	62.40	62.48	.....	64.10	.....	58.87	68.59	.....	69.02	69.25	69.65
24	61.38	63.00	63.36	.....	65.66	.....	58.38	69.35	.....	67.27	69.56	69.39
25	61.58	63.73	63.63	.....	66.55	.....	58.13	69.35	.....	68.70	69.23	67.58
26	62.42	63.91	63.62	.....	67.17	.....	57.97	69.63	.....	68.90	68.43	66.54
27	63.79	63.87	63.72	58.02	67.43	.....	58.42	69.70	.....	69.59	67.90	65.87
28	64.06	63.00	63.48	58.39	67.17	.....	60.00	69.68	69.80	69.57	65.60	66.57
29	63.93		64.16	58.40	64.55	.....	61.42	66.60	70.05	69.61	66.75	67.00
30	63.79		64.40	58.31	63.02	.....	61.42	64.76	69.86	66.62	68.23	67.92
31	62.72		64.33		62.31		59.87	64.95		65.19		67.92

6S2E-6. E. I. du Pont de Nemours Co., Inc. Formerly U. S. Industrial Alcohol Co. Birch St. and Curtis Ave. Lat. 39°13'20", long. 76°35'09". Drilled unused artesian well in Patuxent formation, diameter 8 inches, depth 228 feet. Land-surface datum is 20 feet above msl. Highest water level 43.36 below lsd, Dec. 28, 1954; lowest 124.13 below lsd, Dec. 22, 1944. Records available: 1943-55. Feb. 25, 48.52; Apr. 26, 43.58; Sept. 26, 47.20; Nov. 17, 46.90.

7S5E-6. U. S. Army. Hawkins Point. Lat. 39°12'36", long. 76°32'05". Drilled unused artesian well in Patuxent formation, diameter 6 to 4 inches, depth 473 feet, cased to 472, screen 444-454. Land-surface datum is 30 feet above msl. Highest water level 46.19 below lsd, Apr. 20, 1954; lowest 49.12 below lsd, June 30, 1954. Records available: 1954. Measurement discontinued.

7S5E-7. U. S. Army. Hawkins Point. Lat. 39°12'36", long. 76°32'05". Drilled unused artesian well in Patapsco formation, diameter 4 to 2 inches, depth 180 feet, screen 163-170. Land-surface datum is 30 feet above msl. Highest water level 36.91 below lsd, Apr. 4, 1954; lowest 41.93 below lsd, Sept. 9, 1954. Records available: 1953-54. Measurement discontinued.

Allegany County

All-Ah 1. State of Maryland. Green Ridge State Forest. Lat. 39°40'34", long. 78°27'34". Drilled public-supply artesian well in Jennings(?) formation, diameter 8 inches, reported depth 300 feet. Land-surface datum is 740 feet above msl. Highest water level 2.18 below lsd, Dec. 30, 1950; lowest 7.57 below lsd, July 23, 1953. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.30	May 16	4.45	July 20	6.04	Oct. 31	5.70
Feb. 7	3.92	June 15	4.30	Aug. 16	5.26	Nov. 15	5.70
28	3.27	30	5.05	Oct. 1	4.60	30	5.20
Mar. 16	3.20						

All-Bd 2. Cumberland Brewing Co. Henderson Ave. and Valley St. Cumberland. Lat. 39°39'30", long. 78°46'13". Drilled unused artesian well in Clinton(?) formation, diameter 6 inches, depth 100 feet. Land-surface datum is 640 feet above msl. Highest water level 9.78 below lsd, Feb. 1, 1950; lowest 19.08 below lsd, Sept. 20, 1955. Records available: 1946-55.

Jan. 7	11.47	Apr. 7	12.36	July 20	18.07	Oct. 12	c17.78
Feb. 7	12.48	May 10	12.80	Aug. 5	15.00	12	14.44
9	12.53	June 9	11.92	Sept. 20	19.08	Dec. 7	14.66
Mar. 7	11.16	July 14	16.53				

c Nearby well being pumped.

All-Da 1. Cumberland & Pennsylvania RR. Co. Westernport. Lat. 39°29'38", long. 79°02'37". Drilled unused well in Conemaugh formation, diameter 12 inches, depth 88 feet. Land-surface datum is 980 feet above msl. Highest water level 1.28 below lsd, Mar. 2, 1954; lowest 5.13 below lsd, Aug. 12, 1947. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	1.83	Apr. 4	2.88	July 21	4.62	Oct. 17	3.92
Feb. 1	3.19	May 3	3.16	Aug. 4	2.45	Nov. 9	4.61
7	2.13	June 3	4.50	Sept. 12	3.25	Dec. 2	4.45
Mar. 3	1.62	July 1	4.25	Oct. 12	4.62		

Anne Arundel County

AA-Ad 10. U. S. Army Ordnance Depot. Curtis Bay. Lat. 39°12'09", long. 76°35'39". Drilled unused artesian well in Patapsco formation, diameter 8 to 6 inches, depth 109 feet. Land-surface datum is 45 feet above msl. Highest water level 29.96 below lsd, June 18, 1953; lowest 35.71 below lsd, Jan. 8, 1947. Records available: 1946-55. Apr. 26, 33.57; July 11, 33.60; Sept. 26, 32.98; Nov. 7, 32.63; Dec. 5, 32.69.

AA-Ad 29. Anne Arundel County Sanitary Commission. Glen Burnie. Lat. 39°10'18", long. 76°37'02". Drilled unused artesian well in Patuxent formation, diameter 3 to 2 inches, depth 530 feet, screen 490-530. Land-surface datum is 40 feet above msl. Highest water level 14.15 above lsd, Sept. 1, 1952; lowest 10.80 above lsd, Feb. 4, 1955. Records available: 1948-55.

Daily lowest water level, above lsd, from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	11.37	11.09	11.21	11.08	11.15	11.05	11.01	.....	11.15	10.92	11.06	10.93
2	11.43	11.00	11.07	11.16	11.11	11.02	10.99	.....	11.11	10.91	11.05	10.93
3	11.38	10.84	10.99	11.17	11.09	11.01	10.96	.....	11.10	10.91	11.07	10.93
4	11.45	10.80	11.13	11.03	11.14	11.04	10.97	.....	11.10	10.91	11.05	10.95
5	11.41	10.81	11.11	11.00	11.24	11.08	11.00	.....	11.11	10.92	11.05	10.95
6	11.44	10.91	11.12	11.10	11.24	11.06	11.02	.....	11.12	10.93	11.05	10.92
7	11.41	11.10	11.08	11.11	11.17	11.02	11.07	.....	11.10	10.94	11.02	10.92
8	11.37	11.06	11.04	11.00	11.24	11.11	.....	.....	10.99	10.95	11.01	10.92
9	11.40	11.02	11.10	10.99	11.15	11.09	.....	.....	10.98	10.93	11.01	10.92
10	11.38	11.05	11.16	11.04	11.09	11.08	.....	.....	10.98	10.94	11.02	.....
11	11.32	11.21	11.26	11.11	11.13	11.10	.....	.....	11.00	10.94	11.10	.....
12	11.32	10.94	11.22	11.06	11.09	11.25	11.07	.....	10.98	11.00	11.05	.....
13	11.37	10.92	11.10	11.04	11.10	11.18	10.93	11.07	10.97	11.00	11.03	.....
14	11.32	10.92	11.04	11.06	11.18	11.14	10.95	10.98	10.97	11.15	11.10	.....
15	11.35	11.00	11.06	11.21	11.12	11.07	11.02	11.05	10.99	11.27	11.09	10.90
16	11.36	11.00	11.19	11.10	11.12	11.06	11.07	11.07	10.99	11.27	11.15	.....
17	11.30	10.98	11.09	11.08	11.17	11.03	11.04	11.13	10.98	11.26	10.99	.....
18	11.22	10.95	11.10	11.07	11.11	10.95	11.05	11.27	10.99	11.21	10.95	.....
19	11.24	10.93	11.01	11.15	11.17	11.00	11.10	11.23	11.01	11.07	10.95	.....
20	11.11	10.93	10.97	11.16	11.14	11.12	10.98	11.20	11.07	11.02	10.95	.....
21	11.11	10.93	11.01	11.16	11.11	11.13	10.98	11.19	11.02	11.05	10.97	.....
22	11.21	10.95	11.23	11.26	11.07	11.14	10.98	11.18	10.95	10.95	10.96	.....
23	11.18	10.93	11.22	11.32	11.16	11.08	10.98	11.20	10.94	10.94	10.96	.....
24	11.20	10.93	11.19	11.33	11.25	11.14	11.02	11.15	10.95	11.04	10.95	.....
25	11.16	10.94	11.14	11.34	11.27	11.10	11.01	11.11	10.93	11.05	10.94	.....
26	11.12	10.95	11.21	11.26	11.16	11.08	10.97	11.09	10.92	11.11	10.95	.....
27	11.12	11.00	11.11	11.21	11.08	11.02	10.96	11.13	10.92	11.06	10.95	.....
28	11.10	11.14	11.07	11.22	11.04	10.96	10.97	11.12	10.93	11.06	10.99	.....
29	11.07		11.01	11.22	11.15	10.95	10.96	11.13	10.93	11.12	10.93	.....
30	10.95		10.99	11.19	11.18	10.95	.....	11.15	10.93	11.19	10.93	.....
31	10.94		11.01		11.10		.....	11.18		11.07		.....

AA-Ad 30. Anne Arundel County Sanitary Commission. Glen Burnie. Lat. 39°10'18", long. 76°37'02". Augered unused water-table well in Patapsco formation, diameter 4 inches, depth 15 feet. Land-surface datum is 40 feet above msl. Highest water level 7.99 below lsd, Mar. 30, 1953; lowest 12.16 below lsd, Jan. 25, 1950. Records available: 1948-54. Measurement discontinued.

AA-Bb 18. William J. Harris. Fort George G. Meade Junction. Lat. 39°07'26", long. 76°47'25". Drilled unused artesian well in Patuxent formation, diameter 6 to 4 inches, depth 108 feet. Land-surface datum is 170 feet above msl. Highest water level 18.81 below lsd, May 27, 1949; lowest 25.12 below lsd, July 12, 1955. Records available: 1946-55. Feb. 24, 25.04; Apr. 27, 24.35; July 12, 25.12; Sept. 28, 23.93; Nov. 8, 23.81; Dec. 5, 23.90.

AA-Cd 10. Crownsville State Hospital. Crownsville. Lat. 39°01'18", long. 76°36'06". Drilled unused artesian well in Patapsco formation, diameter 8 to 6 inches, reported depth 668 feet, screen 654-668. Land-surface datum is 135 feet above msl. Highest water level 109.62 below lsd, Mar. 15, 1949; lowest 125.51 below lsd, Nov. 6, 1951. Records available: 1949-55. Feb. 25, 112.53; Apr. 27, 112.06; July 11, 112.74; Sept. 28, 112.65; Nov. 8, 113.64; Dec. 5, 111.92.

AA-Df 14. U. S. Naval Academy. Near Carrs Point. Lat. 38°59'17", long. 76°28'01". Drilled unused artesian well in Patapsco formation, diameter 8 to 4 inches, depth 578 feet. Land-surface datum is 60 feet above msl. Highest water level 65.40 below lsd, Jan. 2, 1951; lowest 83.95 below lsd, Apr. 7, 1954. Records available: 1946-55. Feb. 25, 69.77; Apr. 26, 73.20; July 11, 76.13; Sept. 20, 74.70; Nov. 7, 72.20; Dec. 5, 77.55.

AA-Ef 3. C. L. Meredith. Arundel-on-the-Bay. Lat. 38°54'59", long. 76°27'39". Drilled unused well in Aquia greensand, diameter 1½ inches, depth 61 feet. Land-surface datum is 7 feet above msl. Highest water level 5.00 below lsd, Apr. 8, 1948; lowest 7.07 below lsd, Dec. 28, 1954. Records available: 1946-55. Feb. 25, 6.51; Apr. 26, 5.22. Measurement discontinued.

Baltimore County

Bal-Df 39. U. S. Geol. Survey. Hydes. Lat. 39°29'00", long. 76°29'38". Drilled unused water-table well in Cockeysville marble, diameter 6 inches, depth 164 feet, cased to 126, screen 96-104. Land-surface datum is 330 feet above msl. Highest water level 18.20 below lsd, Aug. 16, 1955; lowest 21.83 below lsd, Nov. 18-20, 1954. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	20.68	21.12	20.15	19.53	19.24	20.21	19.71	20.46	.....	19.54	19.23	19.94
2	20.66	21.15	20.13	19.56	19.28	20.23	19.75	20.49	.....	19.56	19.25	19.94
3	20.64	21.19	20.12	19.68	19.32	20.24	19.70	20.51	.....	19.60	19.34	19.96
4	20.63	21.20	20.11	19.75	19.34	20.25	19.74	20.55	.....	19.62	19.36	19.97
5	20.62	21.20	20.11	19.77	19.39	20.28	19.76	20.55	.....	19.66	19.40	20.00
6	20.62	21.20	20.11	19.78	19.46	20.30	19.79	20.58	.....	19.68	19.43	20.01
7	20.62	21.11	19.84	19.80	19.48	20.31	19.83	20.58	.....	19.72	19.48	20.02
8	20.62	20.89	19.77	19.80	19.54	20.32	19.87	20.59	.....	19.73	19.51	20.05
9	20.63	20.82	19.77	19.80	19.59	20.30	19.90	20.60	.....	19.73	19.54	20.08
10	20.65	20.80	19.77	19.80	19.60	20.26	19.94	20.60	18.50	19.75	19.56	20.11
11	20.67	20.76	19.79	19.80	19.64	20.26	19.98	20.60	18.55	19.78	19.53	20.12
12	20.67	20.74	19.80	.....	19.67	19.86	20.02	20.62	18.65	19.81	19.52	20.14
13	20.71	20.76	19.80	.....	19.70	19.74	20.05	20.16	18.72	19.84	19.51	20.16
14	20.74	20.76	19.82	.....	19.73	19.70	20.07	18.97	18.76	19.84	19.52	20.17
15	20.76	20.76	19.82	.....	19.75	19.71	20.09	18.28	18.81	19.16	19.54	20.20
16	20.77	20.76	19.82	.....	19.77	19.74	20.12	18.21	18.90	19.01	19.57	20.21
17	20.82	20.76	19.78	.....	19.81	19.80	20.16	.....	18.94	18.92	19.63	20.23
18	20.84	20.75	19.78	.....	19.84	19.83	20.19	.....	18.98	18.88	19.65	20.25
19	20.87	20.74	19.79	.....	19.87	19.84	20.23	.....	18.99	18.95	19.66	20.29
20	20.90	20.62	19.80	.....	19.91	19.84	20.24	.....	19.08	19.00	19.67	20.30
21	20.90	20.62	19.80	.....	19.96	19.85	20.27	.....	19.13	19.05	19.70	20.22
22	20.91	20.61	19.78	.....	19.98	19.89	20.29	.....	19.18	19.11	19.71	20.23
23	20.95	20.58	19.71	.....	19.99	19.93	20.30	.....	19.22	19.13	19.74	20.36
24	20.96	20.41	19.71	.....	20.01	19.92	20.32	.....	19.25	19.14	19.77	20.36
25	20.99	20.33	19.70	.....	20.05	19.86	20.34	.....	19.30	19.20	19.77	20.41
26	21.01	20.29	19.70	19.21	20.09	19.75	20.35	.....	19.34	19.30	19.81	20.42
27	21.04	20.24	19.67	19.18	20.13	19.68	20.37	.....	19.35	19.33	19.82	20.44
28	21.05	20.21	19.45	19.14	20.14	19.65	20.40	.....	19.40	19.36	19.88	20.46
29	21.07		19.45	19.15	20.17	19.66	20.42	.....	19.44	19.36	19.90	20.47
30	21.10		19.47	19.19	20.16	19.68	20.43	.....	19.47	19.18	19.93	20.49
31	21.12		19.50		20.19		20.44	.....		19.19		20.50

Bal-Ef 16. State Roads Commission. King Ave. and Babikow Rd. Lat. 39°21'31", long. 76°28'52". Dug water-table well in Patuxent formation used for forest-fire prevention, diameter 36 inches, depth 8 feet. Land-surface datum is 100 feet above msl. Highest water level 3.19 below lsd, May 7, 1948; lowest 7.90 below lsd, Sept. 21, 1949. Records available: 1944-55. Feb. 14, 4.20; Mar. 4, 4.32; Apr. 25, 4.19; July 18, 4.28; Sept. 20, 4.27; Oct. 19, 4.22; Nov. 16, 4.32.

Bal-Ef 19. United Clay Mines Corp. Poplar. Lat. 39°21'10", long. 76°27'33". Drilled unused well in Patuxent formation, diameter 6 inches, depth 66 feet. Land-surface datum is 100 feet above msl. Highest water level 56.10 below lsd, May 1, 1952; lowest 64.55 below lsd, Dec. 28, 1950. Records available: 1944-55. Feb. 14, 59.38; Mar. 4, 59.31; Apr. 25, 58.78; July 18, 63.5, estimated; Sept. 20, 61.80; Oct. 19, 60.0, estimated; Nov. 16, 59.42.

Bal-Ff 1. City of Baltimore. Back River Sewage Disposal Plant. Lat. 39°17'46", long. 76°29'45". Drilled unused artesian well in Patuxent formation, diameter 6 inches, depth 156 feet. Highest water level 39.84 below lsd, May 20, 1946; lowest 47.29 below lsd, Dec. 30, 1949. Records available: 1943-55. Feb. 14, 45.09; Apr. 19, 43.47; July 18, 44.06; Sept. 21, 44.31; Oct. 19, 44.07; Nov. 16, 44.10.

Bal-Gf 6. Bethlehem Steel Co. Sparrows Point. Lat. 39°14'00", long. 76°29'42". Drilled unused artesian well in Patuxent formation, diameter 12 to 5 inches, depth 625 feet, screen 602-625. Land-surface datum is 10 feet above msl. Highest water level 71.13 below lsd, Oct. 28, 1949; lowest 115.90 below lsd, Aug. 30, 1949. Records available: 1943-46, 1949-55. Feb. 14, 98.42; Apr. 25, 90.12; July 18, 101.20; Sept. 21, 99.07; Oct. 19, 98.84; Nov. 23, 91.10.

Bal-Gf 168. Bethlehem Steel Co. Sparrows Point. Lat. 39°12'59", long. 76°28'29". Drilled industrial artesian well in Patapsco formation, diameter 10 to 5 inches, depth 309 feet, screen 283-304. Land-surface datum is 10 feet above msl. Highest water level 48.54 below lsd, June 6, 1950; lowest 109.54 below lsd, July 18, 1955. Records available: 1943-55. Feb. 14, 90.08; July 18, 109.54; Sept. 21, 108.06; Oct. 19, 109.51; Nov. 16, 87.25.

Bal-Gf 169. Bethlehem Steel Co. Sparrows Point. Lat. 39°12'59", long. 76°28'29". Drilled industrial artesian well in Patapsco formation, diameter 10 to 5 inches, depth 224 feet, screen 206-222. Land-surface datum is 10 feet above msl. Highest water level 24.52 below lsd, Feb. 2, 1949; lowest 83.19 below lsd, July 26, 1950. Records available: 1943-55. Feb. 14, 57.08; Apr. 29, 64.99; July 18, 81.11; Sept. 21, 80.64; Oct. 19, 79.27; Nov. 16, 57.97.

Bal-Gf 177. Bethlehem Steel Co. Lat. 39°12'30", long. 76°25'30". Drilled public-supply artesian well in Patuxent formation, diameter 6 inches, depth 709 feet. Land-surface datum is 10 feet above msl. Highest water level 36.89 below lsd, Oct. 28, 1949; lowest 51.44 below lsd, Apr. 8, 1948. Records available: 1943-55. Feb. 14, 45.81; Apr. 19, 41.47; Sept. 21, 45.81; Oct. 19, 45.30; Nov. 16, 45.63.

Bal-Gf 178. Bethlehem Steel Co. Lat. 39°12'30", long. 76°25'30". Drilled public-supply artesian well in Patapsco formation, diameter 8 inches, depth 339 feet. Land-surface datum is 6 feet above msl. Highest water level 13.59 below lsd, Mar. 20, 1948; lowest 37.89 below lsd, Sept. 21, 1955. Records available: 1947-55. Feb. 14, 29.68; Sept. 21, 37.89; Oct. 19, 37.48; Nov. 16, 31.60.

Calvert County

Cal-Gd 5. U. S. Navy. Occupied by Tidewater Fisheries Commission. Near Solomons. Lat. 38°19'58", long. 76°27'26". Drilled unused artesian well in Nanjemoy formation, diameter 8 inches, depth 248 feet, cased to 233, screen 233-248. Land-surface datum is 9.5 feet above msl. Highest water level 17.98 below lsd, May 16, 1950; lowest 22.23 below lsd, Sept. 18, 1951. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	19.47	19.49	19.16	19.26	.....	19.40	.....	20.08	.....	20.42	.....	.....
2	19.41	19.65	19.15	19.25	18.65	19.45	.....	20.25	.....	20.39	.....	.....
3	19.37	19.55	19.37	18.94	.....	19.40	.....	20.23	.....	.....	.....	.....
4	19.36	19.93	19.27	19.07	.....	19.12	.....	20.12	.....	.....	.....	.....
5	19.12	19.68	19.17	18.95	18.78	19.06	.....	20.11	.....	.....	.....	.....
6	19.05	19.30	18.77	18.78	.....	19.06	.....	20.15	.....	20.23	.....	19.97
7	19.45	19.32	19.04	19.10	18.70	18.92	.....	20.15	.....	20.09	.....	19.99
8	19.54	19.37	19.29	19.27	.....	18.75	.....	20.17	.....	20.26	20.14	19.85
9	19.25	19.34	19.35	19.11	18.84	18.49	.....	20.26	.....	20.40	20.34	19.84
10	19.25	19.33	19.42	19.10	18.84	18.61	.....	19.96	.....	20.29	20.36	20.25
11	19.28	19.45	19.30	19.10	18.76	18.59	.....	19.95	.....	20.30	20.32	20.19
12	19.28	19.99	19.25	19.05	18.81	18.61	19.69	19.82	.....	.....	20.39	20.38
13	19.32	20.10	19.22	18.85	.....	.....	19.02	19.00	.....	.....	20.47	20.46
14	19.48	20.10	19.15	18.68	18.66	.....	19.68	19.65	.....	.....	20.30	20.30
15	19.36	19.34	19.09	18.79	18.83	.....	19.72	19.87	.....	.....	20.34	20.11
16	19.02	19.43	19.01	18.95	18.75	.....	19.70	19.97	.....	.....	20.06	20.47
17	19.26	19.27	19.35	18.85	.....	.....	19.91	19.98	.....	.....	.....	.....
18	19.50	19.44	19.24	18.65	18.79	.....	20.04	19.49	.....	.....	.....	.....
19	19.40	19.42	19.40	18.64	18.95	.....	20.07	20.00	.....	.....	.....	.....
20	19.55	19.32	19.11	18.75	19.05	.....	19.93	20.22	.....	.....	.....	.....
21	19.48	19.28	18.97	18.52	19.05	.....	19.87	19.96	.....	.....	.....	.....
22	18.99	19.18	18.80	18.57	19.00	.....	19.93	19.81	.....	.....	.....	.....
23	19.12	19.30	19.07	18.54	19.00	.....	19.98	19.90	.....	.....	.....	.....
24	19.07	19.41	19.27	18.42	19.03	.....	19.95	20.06	.....	.....	.....	.....
25	19.06	19.41	19.28	18.32	19.07	.....	20.04	.....	.....	.....	.....	.....

Cal-Gd 5--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	19.39	19.35	19.09	.....	19.11	.....	19.98	.....	.....	.....	.....	.....
27	19.78	19.33	19.56	.....	19.17	.....	20.02	.....	.....	.....	.....	.....
28	19.78	19.17	19.87	18.59	18.97	.....	20.09	.....	20.20	.....	.....	.....
29	19.50		19.88	.....	18.95	.....	19.99	.....	20.41	.....	.....	.....
30	19.57		19.65	18.62	19.24	.....	19.84	.....	20.11	.....	.....	.....
31	19.69		19.84		19.37		19.93	.....		.....		.....

Cal-Gd 6. U. S. Navy. Occupied by Tidewater Fisheries Commission. Near Solomons. Lat. 38°19'58", long. 76°27'08". Drilled unused artesian well in Aquia greensand, diameter 8 to 6 inches, depth 493 feet, cased to 472, screen 469-493. Land-surface datum is 10 feet above msl. Highest water level 25.72 below lsd, May 16, 1950; lowest 34.83 below lsd, Aug. 6, 1954. Records available: 1949-55.

Daily lowest water level from recorder graph

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Dec. 13	31.37	Dec. 18	31.20	Dec. 23	30.97	Dec. 28	31.30
14	31.23	19	31.37	24	30.92	29	31.15
15	31.00	20	31.43	25	30.97	30	30.94
16	31.27	21	31.28	26	31.25	31	31.01
17	31.26	22	31.08	27	31.32		

Caroline County

Care-Bc 1. State Roads Commission. Baltimore Corners. Lat. 39°03'27", long. 75°50'46". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 21 feet. Land-surface datum is about 54 feet above msl. Highest water level 0.25 above lsd, Nov. 27, 1951; lowest 4.21 below lsd, Nov. 2, 1954. Records available: 1949-55.

Feb. 2	3.42	Apr. 28	3.03	Sept. 7	3.01	Nov. 1	3.32
Mar. 2	2.57	June 2	3.55	30	3.15	Dec. 8	3.42
29	2.92	July 11	3.67				

Care-Cd 1. State Roads Commission. Near Denton. Lat. 38°55'18", long. 75°49'14". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 10 feet. Land-surface datum is about 40 feet above msl. Highest water level 0.74 below lsd, Apr. 29, 1952; lowest 6.87 below lsd, Aug. 17, 1949. Records available: 1949-55.

Feb. 2	4.63	Apr. 28	2.30	Sept. 7	2.69	Nov. 1	4.14
Mar. 2	3.39	June 2	2.96	30	3.65	Dec. 8	4.19
29	2.46	July 11	3.78				

Care-Dc 56. Denton Cemetery Association. West Denton. Lat. 38°53'10", long. 75°50'25". Drilled unused artesian well in Choptank formation, diameter 6 inches, depth 137 feet. Land-surface datum is about 14 feet above msl. Highest water level 12.41 below lsd, Feb. 28, 1952; lowest 36.67 below lsd, Sept. 28, 1953. Records available: 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Nov.
1	29.35	.....	.....	22.93	.....	.....	.....	.....	.....
2	26.60	.....	28.63	21.26	.....	.....	.....	.....	30.23
3	27.87	21.56	28.66	19.51	.....	.....	.....	.....	.....
4	29.96	24.81	28.90	20.15	30.95	31.91	.....	.....	.....
5	.....	27.06	28.95	21.39	31.67	30.39	.....	.....	.....
6	.....	27.44	27.10	22.91	32.28	28.16	.....	.....	.....
7	.....	25.84	25.90	24.83	32.71	29.79	.....	.....	.....
8	.....	25.94	26.88	27.14	31.64	30.66	.....	29.64	.....
9	.....	23.69	26.38	27.44	29.95	31.83	.....	.....	.....
10	.....	23.67	25.82	25.48	31.28	32.08	.....	.....	.....
11	.....	24.71	24.85	24.71	32.26	31.73	.....	.....	31.48
12	.....	26.36	24.92	26.62	32.78	30.90	.....	.....	31.29
13	.....	26.73	22.45	26.78	33.13	29.81	.....	.....	30.73
14	.....	26.86	22.77	28.07	.....	31.24	.....	.....	.....
15	.....	27.69	24.15	.....	.....	32.41	.....	.....	.....
16	.....	28.18	24.08	.....	29.20	32.77	31.80	.....	.....
17	.....	28.89	22.92	.....	31.23	33.31	29.95	.....	.....
18	.....	29.48	22.49	.....	32.15	.....	28.45	.....	.....
19	.....	29.40	22.97	.....	32.85	.....	29.34	.....	.....
20	.....	.....	20.87	.....	33.37	.....	30.20	.....	.....

Care-Dc 56--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Sept.	Nov.
21	.....	.....	.....	.....	.....	.....	30.84	.....	.....
22	.....	29.14	.....	.....	.....	.....	31.22	.....	.....
23	.....	.....	.....	.....	.....	.....	.....	.....	.....
24	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	.....	.....	.....	.....	.....	.....	.....	.....	.....
26	.....	.....	.....	.....	.....	.....	.....	.....	.....
27	.....	28.11	.....	.....	.....	.....	.....	.....	.....
28	.....	.....	.....	.....	.....	.....	.....	.....	.....
29	.....		.....	.....	.....	.....	.....	.....	.....
30	.....		22.41	.....	.....	.....	.....	.....	.....
31	.....		23.23		.....		.....		

Care-Fd 4. State Roads Commission. Near Federalsburg. Lat. 38°43'23", long. 75°46'52". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 9 feet. Land-surface datum is about 38 feet above msl. Highest water level 0.35 below lsd, May 3, 1954; lowest 6.49 below lsd, Oct. 29, 1949. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	2.18	Apr. 28	0.73	Sept. 7	2.14	Nov. 9	1.68
Mar. 2	1.02	June 2	2.65	30	2.47	Dec. 8	2.29
29	.90	July 11	3.47				

Carroll County

Car-Bf 1. Town of Hampstead. Lat. 39°36'40", long. 76°51'00". Drilled unused water-table well in Wissahickon formation, diameter 8 inches, reported depth 400 feet. Land-surface datum is 933 feet above msl. Highest water level 52.30 below lsd, May 13, 1952; lowest 76.03 below lsd, Dec. 14, 1949. Records available: 1946-47, 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	75.30	75.19	74.91	71.62	.....	67.76	69.02	71.14	64.17	66.45	66.26	67.30
2	75.30	75.19	74.89	71.45	.....	67.75	69.17	71.17	64.14	66.53	66.28	67.30
3	75.30	75.21	74.86	71.28	68.82	67.74	69.29	71.24	64.18	66.59	66.27	67.28
4	75.30	75.21	74.85	71.09	68.79	67.70	69.39	71.30	64.21	66.63	.....	67.28
5	75.30	75.23	74.81	70.95	68.71	67.60	69.46	71.32	64.21	66.68	66.27	67.34
6	75.30	75.23	74.76	70.83	68.64	67.55	69.55	71.35	64.24	66.72	66.27	67.40
7	75.28	75.23	74.71	70.66	68.63	67.55	69.63	71.37	64.32	66.76	66.32	67.41
8	75.28	75.23	74.68	70.46	68.56	67.48	69.73	71.42	64.48	66.90	66.34	67.42
9	75.27	75.23	74.59	70.39	68.57	67.43	69.81	71.47	64.64	66.97	66.35	67.42
10	75.26	75.21	74.46	70.30	68.57	67.45	69.87	71.49	64.69	67.00	66.35	67.57
11	75.25	75.21	74.34	70.18	68.53	67.44	69.97	71.51	64.69	67.05	66.34	67.60
12	75.25	75.18	74.20	70.08	68.53	67.31	70.07	71.51	64.90	.....	66.43	67.67
13	75.22	75.18	74.07	69.98	68.50	67.36	70.13	71.51	65.05	67.08	66.42	67.77
14	75.22	75.17	73.90	69.92	68.43	67.36	70.17	71.44	65.10	67.08	66.43	67.78
15	75.21	75.12	73.78	69.84	68.41	67.35	70.21	71.03	65.10	67.05	66.43	67.76
16	75.20	75.10	73.65	69.71	63.40	67.33	70.28	70.42	65.26	.....	66.43	67.83
17	75.20	75.10	73.52	69.65	68.30	67.28	70.35	69.72	65.35	.....	66.62	67.87
18	75.19	75.10	73.43	69.62	68.27	67.28	70.40	69.05	65.38	.....	66.69	67.93
19	75.19	75.10	73.34	69.55	68.21	67.27	70.53	68.55	65.38	.....	66.69	68.01
20	75.19	75.08	73.25	69.49	68.16	67.21	70.54	67.93	65.39	.....	66.72	68.07
21	75.19	75.06	73.19	69.39	68.16	67.25	70.57	67.13	65.52	.....	66.77	68.10
22	75.19	75.04	73.11	69.34	68.15	67.38	70.63	66.30	65.61	66.34	66.82	68.10
23	75.19	75.03	73.00	69.23	68.12	67.59	70.67	65.58	65.69	66.35	66.82	68.13
24	75.19	75.02	72.90	69.14	68.02	67.82	70.73	65.20	65.77	66.27	66.97	68.13
25	75.19	75.00	72.81	69.07	67.96	68.01	70.80	64.90	65.95	66.28	66.99	68.23
26	75.19	74.99	72.66	68.95	67.91	68.22	70.86	64.69	66.06	66.25	66.98	68.32
27	75.19	74.97	72.46	68.91	67.97	68.44	70.90	64.52	66.10	66.27	66.99	68.41
28	75.19	74.95	72.27	.....	67.95	68.62	70.95	64.33	.....	66.27	66.97	68.48
29	75.18		72.12	.....	67.88	68.76	71.01	64.28	66.24	66.22	67.07	68.48
30	75.18		71.95	.....	67.77	68.90	71.06	64.19	66.29	66.15	67.22	68.46
31	75.18		71.79		67.76		71.11	64.14		66.22		68.47

Car-Cb 2. Elmer A. Wolfe High School. Union Bridge. Lat. 39°34'34", long. 77°10'33". Drilled unused water-table well in Wakefield marble, diameter 12 inches, depth 200 feet. Land-surface datum is 440 feet above msl. Highest water level 31.10 below lsd, Oct. 14, 1955; lowest 31.63 below lsd, Aug. 11, 1955, tape measurement. Records available: 1955.

Daily lowest water level from recorder graph

Day	Aug.	Sept.	Oct.	Nov.	Dec.	Day	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	31.51	31.55	31.47	31.51	17	.....	31.53	31.51	31.48	31.52
2	.....	31.51	31.57	31.47	31.49	18	.....	.....	31.52	31.48	31.53
3	.....	31.50	.....	31.47	31.43	19	.....	.....	31.52	31.48	31.55
4	.....	31.52	31.58	31.46	31.46	20	.....	.....	31.52	31.45	31.57
5	.....	31.52	31.58	31.47	31.47	21	.....	31.56	31.51	31.47	31.56
6	.....	31.54	31.49	31.48	31.46	22	.....	31.56	31.52	31.48	31.56
7	.....	31.51	31.52	31.48	31.47	23	.....	31.56	31.52	31.48	31.56
8	.....	31.52	31.52	31.45	31.47	24	.....	31.49	31.52	31.48	31.56
9	.....	31.52	31.52	31.46	31.47	25	.....	31.53	31.52	31.48	31.57
10	.....	31.52	31.53	31.46	31.44	26	.....	31.53	31.49	31.49	31.59
11	.....	31.54	31.55	31.43	31.46	27	31.53	31.53	31.49	31.52	31.60
12	.....	31.53	31.55	31.46	31.48	28	31.53	31.53	31.46	31.51	31.60
13	.....	31.52	31.56	31.47	31.48	29	31.53	31.54	31.48	31.50	31.53
14	.....	31.52	31.35	31.47	31.49	30	31.54	31.54	31.46	31.48	31.52
15	.....	31.52	31.49	31.48	31.50	31	31.48		31.48		31.55
16	.....	31.53	31.51	31.48	31.51						

Car-Dd 2. Winfield Elementary School. Formerly Board of Education. Lat. 39°27'10", long. 77°03'20". Drilled unused water-table well in Wissahickon formation, diameter 6 inches, depth 180 feet. Land-surface datum is 862 feet above msl. Highest water level 61.00 below lsd, May 12, 1954; lowest 72.33 below lsd, Mar. 4, 1955. Records available: 1953-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9	67.57	Apr. 5	65.90	July 14	69.05	Oct. 12	61.86
Mar. 4	72.33	May 11	66.38	Aug. 11	67.61	Dec. 1	62.79
24	68.08	June 13	66.10	Oct. 4	61.55		

Cecil County

Ce-Bf 1. Pennsylvania RR. Iron Hill Station. Lat. 39°38'46", long. 75°47'24". Drilled unused well in weathered Precambrian rock, diameter 6 inches, depth 71 feet. Land-surface datum is about 125 feet above msl. Highest water level 5.05 below lsd, June 2, 1953; lowest 9.56 below lsd, Sept. 29, 1954. Records available: 1949-55.

Jan. 28	8.10	Apr. 28	6.85	Sept. 7	7.60	Oct. 28	8.07
Mar. 3	6.61	June 2	8.41	30	8.29	Dec. 9	7.97
Apr. 7	7.08	July 11	8.36				

Ce-Cf 1. State Roads Commission. Near Elkton. Lat. 39°34'05", long. 75°48'54". Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 10 feet. Land-surface datum is about 10 feet above msl. Highest water level 1.42 below lsd, Jan. 28, 1952; lowest 5.70 below lsd, July 30, 1954. Records available: 1949-55.

Jan. 28	3.82	Apr. 28	3.15	Sept. 7	3.65	Oct. 28	3.83
Mar. 3	3.18	June 2	4.22	30	3.81	Dec. 9	3.63
Apr. 7	3.21	July 13	4.68				

Ce-Ee 2. Dr. Gilfillian. Near Cecilton. Lat. 39°23'40", long. 75°52'15". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Land-surface datum is about 71 feet above msl. Highest water level 1.13 below lsd, May 1, 1952; lowest 14.74 below lsd, Dec. 9, 1955. Records available: 1951-55.

Jan. 28	12.01	Apr. 28	13.69	Sept. 7	13.38	Oct. 28	13.96
Mar. 3	14.69	June 2	14.04	30	13.56	Dec. 9	14.74
Apr. 7	13.71	July 13	14.37				

Charles County

Ch-Bf 2. Maryland State Police, Barracks "H". Near Mattawoman. Lat. 38°39'06", long. 76°52'50". Dug domestic water-table well in deposits of Pleistocene age, diameter $4\frac{1}{2}$ feet, depth 19 feet. Land-surface datum is 222 feet above msl. Highest water level 11.79 below lsd, Apr. 13, 1949; lowest 16.92 below lsd, Feb. 24, 1955. Records available: 1947-55. Feb. 24, 16.92; Apr. 27, 15.44; July 12, 15.42; Sept. 28, 15.07; Nov. 7, 15.17; Dec. 6, 15.01.

Ch-Cb 7. U. S. Navy. Indian Head. Lat. 38°34'24", long. 77°11'48". Drilled unused artesian well in Patapsco formation, diameter 8 to 6 inches, depth 400 feet. Land-surface datum is 36 feet above msl. Highest water level 57.55 below lsd, Apr. 18, 1952; lowest 65.40 below lsd, Mar. 30, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	63.83	64.22	64.62	65.01	64.49	65.09	64.78	64.24	63.97	.....	63.82	64.79
2	63.73	64.24	64.65	64.95	64.54	65.13	64.85	64.28	64.07	.....	63.85	64.68
3	63.83	64.28	64.71	64.92	64.55	65.14	64.86	64.33	64.03	.....	63.75	64.54
4	63.77	64.57	64.68	64.91	64.60	65.01	64.85	64.30	63.93	.....	64.02	64.10
5	63.65	64.58	64.68	64.90	64.64	64.90	64.78	64.25	63.89	.....	64.19	64.33
6	63.45	64.47	64.55	64.67	64.69	64.90	64.65	64.42	63.92	63.98	64.12	64.33
7	63.72	64.26	64.49	64.79	64.74	64.72	64.63	64.43	63.90	63.92	63.87	64.36
8	63.79	64.20	64.59	65.07	64.61	64.48	64.55	64.39	63.99	63.99	63.85	64.27
9	63.75	64.19	64.64	65.10	64.85	64.25	64.40	64.43	64.00	64.19	63.92	64.33
10	63.65	64.17	64.71	65.07	64.87	64.29	64.47	64.25	63.84	64.20	63.92	64.65
11	63.64	64.09	64.75	65.06	64.70	64.22	64.49	64.17	63.82	64.24	63.85	64.68
12	63.65	.....	64.76	64.98	64.76	64.26	64.47	64.07	63.80	64.24	63.80	64.81
13	63.50	64.94	64.79	64.86	64.69	.....	64.44	63.77	63.87	64.14	63.89	64.86
14	63.84	64.99	64.78	64.78	64.59	.....	64.43	63.72	63.89	63.87	63.84	64.83
15	63.84	64.86	64.70	64.64	64.70	.....	64.45	63.79	63.83	63.57	63.84	64.65
16	63.60	64.63	64.55	64.81	64.70	64.72	64.45	63.84	63.85	63.57	63.69	64.88
17	63.65	64.51	64.76	64.85	64.60	64.72	64.50	63.77	63.93	63.56	63.85	64.88
18	63.95	64.63	64.76	64.66	64.60	64.71	64.54	63.44	63.93	63.50	64.26	64.77
19	63.90	64.69	64.91	64.57	64.61	64.69	64.55	63.56	63.91	63.74	64.29	64.88
20	64.09	64.68	64.87	64.64	64.70	64.68	64.53	63.72	63.81	63.88	64.52	65.03
21	64.11	64.68	64.71	64.54	64.74	64.69	64.47	63.65	63.87	63.85	64.41	64.97
22	63.84	64.65	64.56	64.46	64.75	64.57	64.40	63.71	63.84	64.19	64.05	64.80
23	63.70	64.59	64.50	64.50	64.73	64.47	64.43	63.78	63.85	64.14	64.09	64.68
24	63.73	64.62	64.56	64.49	64.63	64.53	64.45	63.90	63.79	63.93	64.25	64.63
25	63.72	64.65	64.69	64.37	64.65	64.59	64.38	63.92	63.80	64.24	64.26	64.66
26	63.76	64.72	64.57	64.31	64.78	64.59	64.35	63.73	64.04	64.19	64.32	64.83
27	63.93	64.70	64.93	64.26	64.78	64.71	64.20	63.76	63.99	64.22	64.32	64.94
28	64.14	64.65	65.21	64.41	64.78	64.72	64.22	63.87	63.94	64.19	64.22	64.95
29	64.10		65.37	64.41	64.71	64.75	64.27	63.92	.....	63.96	64.39	64.87
30	64.19		65.40	64.58	.....	64.75	64.25	63.83	.....	63.76	64.63	64.73
31	64.33		65.24		.....		64.20	63.78		63.77		64.81

Ch-Dc 2. Bernward C. Juhle. Near Ironsides. Lat. 38°27'24", long. 77°09'28". Dug farm water-table well in deposits of Pleistocene age, diameter 4 feet, depth 39 feet. Land-surface datum is 120 feet above msl. Highest water level 14.97 below lsd, Feb. 12, 1949; lowest 33.40 below lsd, July 12, 1951. Records available: 1948-54. Measurement discontinued.

Ch-Ee 16. J. B. Bowling. Wayside. Lat. 38°21'02", long. 76°56'00". Dug domestic water-table well in deposits of Pleistocene age, diameter 42 inches, depth 23 feet. Land-surface datum is 40 feet above msl. Highest water level 11.74 below lsd, May 1, 1952; lowest 20.65 below lsd, Dec. 20, 1949. Records available: 1947-55. Feb. 24, 15.27; Apr. 27, 15.30; July 12, 15.23; Sept. 28, 15.35; Nov. 7, 16.11; Dec. 5, 15.83.

Dorchester County

Dor-Bd 2. Carleton Slagle. Hambrook Estate. Near Cambridge. Lat. 38°35'30", long. 76°05'27". Drilled unused artesian well in Piney Point formation, diameter 6 inches, depth 380 feet. Land-surface datum is about 3 feet above msl. Highest water level 56.80 below lsd, May 12, 1952; lowest 87.15 below lsd, Nov. 9, 1955. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	67.66	Apr. 27	68.80	Sept. 6	81.94	Nov. 9	87.15
Mar. 2	65.18	June 1	72.84	29	82.19	Dec. 7	83.00
Apr. 7	66.54	July 14	78.96				

Dor-Bg 3. Pennsylvania RR. Near Hubbard. Lat. 38°36'40", long. 75°53'43". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 21 feet. Land-surface datum is about 40 feet above msl. Highest water level 5.79 below lsd, Apr. 29, 1952; lowest 10.24 below lsd, Sept. 7, 1954. Records available: 1951-55. Feb. 3, 9.92; Mar. 8, 8.66; Mar. 31, 8.66; Apr. 27, 8.65; June 1, 10.13; July 14, 8.90. Measurement discontinued.

Dor-Bh 4. State Roads Commission. Finchville. Lat. 38°37'56", long. 75°46'13". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 18 feet. Land-surface datum is about 42 feet above msl. Highest water level 1.23 below lsd, Apr. 29, 1952; lowest 6.52 below lsd, Nov. 2, 1954. Records available: 1951-55.

Feb. 2	5.26	Apr. 28	2.69	Sept. 7	3.12	Nov. 9	3.56
Mar. 2	3.34	June 2	4.00	30	3.53	Dec. 8	3.24
29	2.81	July 11	4.32				

Dor-Cd 16. State Roads Commission. Church Creek. Lat. 38°30'05", long. 76°09'08". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 22 feet. Land-surface datum is about 5 feet above msl. Highest water level 0.12 above lsd, Sept. 7, 1955 lowest 5.19 below lsd, Oct. 2, 1953. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	-2.24	Apr. 27	-0.70	Sept. 7	+0.12	Nov. 9	-0.79
Mar. 1	-1.55	June 1	-1.10	29	-.55	Dec. 7	-.69
31	-.47	July 14	-1.20				

Dor-Ce 22. State of Maryland. Eastern Shore State Hospital. Near Cambridge. Lat. 38°33'43", long. 76°02'53". Drilled unused artesian well in Piney Point formation, diameter 10 inches, depth 406 feet. Land-surface datum is 12 feet above msl. Highest water level 69.64 below lsd, Apr. 28, 1952; lowest 114.75 below lsd, Oct. 29, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	.....	78.45	84.57	87.40	94.50	.....	99.00	.....	109.80	113.02	110.03
2	.....	.....	78.62	85.07	85.23	96.18	.....	99.30	.....	109.70	113.58	110.03
3	.....	.....	78.83	83.00	86.03	.....	.....	102.00	.....	105.15	114.15	109.25
4	.....	82.92	78.42	81.74	87.15	.....	.....	102.17	.....	107.19	114.24	104.71
5	.....	82.70	78.23	82.40	87.82	.....	.....	103.50	.....	109.48	114.49	101.33
6	.....	81.40	77.43	84.05	88.12	.....	.....	104.99	.....	110.66	112.72	102.11
7	.....	82.31	77.78	85.03	87.96	.....	.....	105.15	.....	111.53	109.40	103.09
8	.....	82.22	78.12	84.98	87.52	.....	.....	99.60	106.60	112.43	110.95	103.40
9	.....	81.40	78.25	84.10	87.23	.....	.....	101.04	107.34	112.74	111.44	103.22
10	.....	81.61	78.18	82.10	87.23	.....	.....	103.00	.....	108.50	111.75	103.08
11	.....	81.61	78.00	81.28	87.82	.....	.....	105.93	106.50	110.45	111.87	100.09
12	.....	81.53	78.00	81.35	87.95	.....	.....	108.09	104.53	111.92	111.76	100.23
13	.....	81.20	77.40	81.35	87.54	.....	.....	108.58	105.37	112.70	107.70	101.53
14	.....	80.82	77.32	81.25	88.13	.....	.....	108.56	106.07	113.22	106.16	101.71
15	.....	80.28	77.52	81.65	88.02	.....	101.48	.....	108.26	113.80	108.18	101.89
16	.....	80.28	78.80	82.40	86.72	.....	102.16	.....	109.80	114.10	108.94	101.89
17	.....	79.81	79.80	82.06	86.73	.....	100.60	.....	110.79	110.85	110.09	100.77
18	.....	79.91	80.49	81.35	86.43	.....	98.90	.....	110.75	112.17	110.09	97.89
19	.....	79.81	80.56	83.65	85.85	.....	100.90	.....	106.00	112.90	109.84	97.30
20	.....	79.22	79.32	85.25	86.08	.....	101.30	.....	104.80	113.60	106.29	97.68
21	.....	79.01	78.15	86.14	85.95	.....	103.20	.....	105.60	.....	106.15	97.74
22	.....	79.32	79.85	87.02	85.93	.....	104.20	.....	106.54	.....	108.27	97.53
23	.....	79.80	82.10	87.22	85.97	.....	104.74	.....	107.72	114.22	109.30	97.18
24	.....	79.72	83.03	86.65	86.95	.....	102.56	.....	108.23	110.15	109.72	95.54
25	.....	79.62	83.71	84.54	87.65	.....	100.15	.....	107.03	111.82	106.55	94.20
26	.....	79.55	83.78	86.08	88.50	.....	101.40	.....	103.50	112.53	106.79	93.67
27	.....	78.86	82.20	87.15	89.18	.....	102.33	.....	105.42	113.18	106.06	92.95
28	.....	78.22	81.36	87.54	89.69	.....	101.75	.....	107.46	114.23	105.55	94.11
29	.....		82.86	87.97	90.18	.....	101.28	.....	108.92	114.75	107.87	93.74
30	.....		.....	88.46	90.88	.....	101.28	.....	109.75	114.72	109.62	92.47
31	.....		.....		.....		100.00	.....		112.34		92.28

Dor-Cg 1. State Roads Commission. Salem. Lat. 38°30'55", long. 75°54'24". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 12 feet. Land-surface datum is about 18 feet above msl. Highest water level 0.16 below lsd, Jan. 30, 1952; lowest 4.64 below lsd, Oct. 31, 1952. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	4.00	Apr. 27	2.77	Sept. 7	2.45	Nov. 8	2.08
Mar. 1	3.78	June 1	2.61	29	2.31	Dec. 7	2.01
31	3.13	July 14	2.63				

Dor-Dd 6. J. F. Linthicum.. Near Church Creek. Lat. 38°29'47", long. 76°09'41". Drilled domestic artesian well in Piney Point formation, diameter 1½ inches, depth 375 feet. Land-surface datum is about 4 feet above msl. Highest water level 40.22 below lsd, June 2, 1952; lowest 50.17 below lsd, Nov. 1, 1954. Records available: 1952-55. Feb. 3, 47.85; Mar. 1, 47.00; Mar. 30, 46.30; Apr. 27, 46.20; June 1, 46.80; July 14, 48.65. Measurement discontinued.

Dor-Ed 1. R. L. Simmons. Andrews. Lat. 38°21'27", long. 76°06'42". Drilled unused artesian well in Piney Point formation, diameter 1½ inches, depth 411 feet. Land-surface datum is about 3 feet above msl. Highest water level 19.43 below lsd, Oct. 20, 1949; lowest 24.45 below lsd, Dec. 29, 1954. Records available: 1949, 1951-55. Feb. 3, 24.06; Mar. 1, 23.67; Mar. 31, 23.82; Apr. 27, 23.54; June 1, 23.70. Measurement discontinued.

Dor-Fd 1. State Roads Commission. Crapo. Lat. 38°19'00", long. 76°06'59". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 17 feet. Land-surface datum is about 3 feet above msl. Highest water level 0.21 below lsd, Apr. 1, 1953; lowest 6.98 below lsd, Sept. 7, 1954. Records available: 1951-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 3	0.73	Apr. 27	0.51	Sept. 7	1.95	Nov. 8	1.36
Mar. 1	.24	June 1	2.30	29	1.66	Dec. 7	.84
31	.65	July 14	2.07				

Dor-Fd 16. Emmett Andrews. Crapo. Lat. 38°19'08", long. 76°07'41". Drilled unused artesian well in Piney Point formation, diameter 1½ inches, depth 461 feet, cased to 380. Land-surface datum is 3 feet above msl. Highest water level 6 below lsd, Sept. 10, 1923; lowest 18.99 below lsd, Dec. 7, 1955. Records available: 1923, 1955. Sept. 7, 18.82; Sept. 29, 18.95; Nov. 8, 18.86; Dec. 7, 18.99.

Frederick County

Fr-Bd 1. Town of Thurmont. On High Run. Lat. 39°36'28", long. 77°25'42". Drilled unused water-table well in Harpers phyllite, diameter 6 inches, reported depth 1,000 feet. Land-surface datum is 630 feet above msl. Highest water level 7.61 below lsd, Jan. 7, 1949; lowest 32.62 below lsd, Nov. 13, 1952. Records available: 1946-55.

Jan. 6	16.69	Apr. 5	12.25	Aug. 26	12.85	Oct. 12	14.63
26	17.21	May 9	12.27	Sept. 7	13.51	Nov. 8	14.39
Feb. 15	16.08	June 13	13.90	Oct. 7	14.55	Dec. 7	14.65
28	14.83	July 11	13.99	10	14.51	27	14.98
Apr. 4	12.19	Aug. 10	15.71				

Fr-Cg 1. A. B. Potts. Johnsville. Lat. 39°31'58", long. 77°13'56". Dug domestic water-table well in Ijamsville phyllite, diameter 36 inches, depth 43 feet, cribbed with stone. Land-surface datum is 586 feet above msl. Highest water level 32.40 below lsd, Jan. 10, 1949; lowest 41.22 below lsd, Sept. 15, 1953. Records available: 1946-55.

Feb. 9	38.97	June 7	38.60	Sept. 13	36.44	Nov. 1	36.83
Apr. 5	35.97	July 14	38.61	Oct. 7	38.71	Dec. 1	37.96
May 11	38.10	Aug. 1	39.68	12	37.81		

Fr-Dc 25. Dr. William Sweet. Near Braddock Heights. Lat. 39°26'27", long. 77°30'06". Drilled unused water-table well in Catoctin metabasalt, diameter 6 inches, depth 178 feet. Land-surface datum is 1,065 feet above msl. Records available: 1955. Oct. 17, 68.08; Dec. 20, 68.97.

Fr-Ee 1. Mrs. Roy Putman. Near Frederick. Lat. 39°24'10", long. 77°22'42". Dug domestic water-table well in Frederick limestone, diameter 43 inches, depth 58 feet, cribbed with stone. Land-surface datum is 330 feet above msl. Highest water level 42.10 below lsd, Mar. 6, 1949; lowest 55.30 below lsd, Jan. 26, 1955. Records available: 1946-55. Measurement discontinued.

Jan. 7	54.81	Apr. 11	53.98	Aug. 12	54.26	Oct. 13	53.22
26	55.30	May 10	53.72	Sept. 9	53.39	Nov. 1	53.25
Feb. 2	55.02	June 7	53.86	13	53.35	9	53.32
9	55.12	16	53.79	Oct. 7	53.29	Dec. 1	53.55
Mar. 3	55.22	July 14	54.19	12	53.32	6	53.61
Apr. 5	54.20						

Fr-Fc 1. Montgomery Orrison. Near Point of Rocks. Lat. 39°16'40", long. 77°31'18". Dug domestic water-table well in New Oxford formation, diameter 4 feet, depth 28 feet, cribbed with stone. Land-surface datum is 240 feet above msl. Highest water level 5.50 below lsd, Jan. 13, 1953; lowest 25.57 below lsd, Dec. 7, 1954. Records available: 1946-55.

Jan. 7	21.26	May 10	12.16	Sept. 12	9.99	Nov. 9	12.96
Feb. 4	22.50	July 13	14.52	13	11.00	Dec. 1	15.06
9	21.57	Aug. 1	17.38	Oct. 13	14.30	6	15.04
Mar. 1	19.08	12	17.47	14	13.30	29	17.11
Apr. 12	10.30						

Fr-Fd 1. Thomas and Co., Inc. Adamstown. Lat. 39°25'00", long. 77°18'45". Drilled unused semiartesian well in Frederick limestone, diameter 8 to 6 inches, reported depth about 1,000 feet. Land-surface datum is 306 feet above msl. Highest water level 13.82 below lsd, Apr. 5, 1955; lowest 25.92 below lsd, Nov. 19, 1954. Records available: 1954-55.

Jan. 26	17.38	Apr. 5	13.82	June 7	23.44	Nov. 1	15.29
Feb. 11	15.93	May 2	14.95	Aug. 1	18.01	Dec. 1	16.48
Mar. 4	14.53	18	16.06	Oct. 13	16.43		

Garrett County

Gar-Ag 1. Town of Frostburg. Savage River valley. Lat. 39°40'20", long. 78°58'59". Drilled unused water-table well in Greenbrier limestone or Pocono sandstone, diameter 8 inches, depth 30 feet. Land-surface datum is 2,560 feet above msl. Highest water level 5.71 below lsd, Jan. 19, 1950; lowest 8.64 below lsd, Oct. 9, 1951. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	6.90	Apr. 13	7.12	July 20	7.68	Oct. 12	8.15
Feb. 8	7.14	May 10	7.43	Aug. 9	7.85	Nov. 25	8.24
9	7.20	June 7	7.56	Sept. 13	7.84	Dec. 14	8.31
Mar. 7	6.63	July 13	7.65	28	7.90		

Gar-Bc 1. E. H. Ault. Accident. Lat. 39°37'49", long. 79°19'05". Dug domestic water-table well in Catskill formation, diameter 36 inches, depth 20 feet, cribbed with stone. Land-surface datum is 2,415 feet above msl. Highest water level 5.24 below lsd, Mar. 8, 1955; lowest 19.65 below lsd, Dec. 9, 1953. Records available: 1949-55.

Jan. 8	8.61	Apr. 12	14.30	July 21	14.41	Oct. 12	15.16
Feb. 7	10.70	May 11	13.75	Aug. 5	15.44	Nov. 16	16.52
8	6.87	June 7	16.61	Sept. 13	15.49	Dec. 8	15.27
Mar. 8	5.24	July 12	13.24	28	15.79		

Gar-Eb 23. Mrs. Arthur Nally (Tenant: Ray Porter). Oakland. Lat. 39°24'03", long. 77°24'07". Dug unused water-table well in Catskill formation, depth 37 feet. Land-surface datum is 2,560 feet above msl. Highest water level 17.71 below lsd, Mar. 8, 1955; lowest dry, Nov. 14, 1952, October-December 1953. Records available: 1949-55.

Jan. 7	20.33	Apr. 11	25.65	July 21	24.74	Oct. 12	34.21
Feb. 7	22.52	May 11	26.39	Aug. 4	29.34	Nov. 16	33.81
8	21.26	June 7	31.20	Sept. 13	30.23	Dec. 9	25.30
Mar. 8	17.71	July 12	21.58				

Harford County

Har-Bd 31. Mrs. R. Lamar McCann. Dublin. Lat. 39°39'00", long. 76°16'00". Dug unused water-table well in gabbro, diameter about 7 feet, depth 26 feet. Land-surface datum is 450 feet above msl. Highest water level 8.92 below lsd, May 11, 1954; lowest 17.97 below lsd, Nov. 20, 1954. Records available: 1954-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	15.69	.....	.....	11.94	11.11	.....	.....	.....	.....	.....	.....	.....
2	15.51	.....	.....	11.93	11.15	.....	.....	.....	.....	.....	.....	.....
3	15.44	.....	.....	11.91	11.16	.....	.....	.....	.....	.....	.....	.....
4	15.37	.....	.....	11.79	11.15	.....	11.23	.....	.....	.....	.....	.....
5	15.37	.....	14.34	11.70	11.19	.....	11.28	.....	.....	.....	12.26	.....
6	15.37	.....	13.97	11.79	11.30	.....	11.33	.....	.....	.....	.....	.....
7	15.38	.....	13.34	11.77	11.32	.....	11.43	.....	.....	.....	.....	.....
8	15.38	.....	13.13	11.63	11.40	.....	11.51	.....	.....	.....	.....	.....
9	15.39	.....	12.99	11.57	11.48	.....	11.56	.....	.....	.....	.....	.....
10	15.42	.....	13.01	11.56	11.49	.....	11.61	14.19	.....	.....	.....	12.96
11	15.44	.....	13.07	.....	11.55	.....	11.72	14.24	.....	.....	.....	.....
12	15.44	.....	13.11	.....	11.57	.....	11.82	.....	.....	12.37	.....	.....
13	15.48	.....	13.23	.....	11.58	.....	11.86	.....	.....	12.43	.....	.....
14	15.50	.....	13.24	.....	11.66	.....	11.90	.....	.....	12.42	.....	.....
15	15.53	.....	13.22	.....	11.68	.....	11.96	.....	.....	.....	.....	.....
16	15.55	.....	13.31	.....	11.70	.....	12.06	.....	.....	.....	.....	.....
17	15.60	.....	13.32	.....	11.75	.....	12.14	.....	.....	.....	.....	.....
18	15.61	.....	13.27	.....	11.76	.....	12.22	.....	.....	.....	.....	.....
19	15.65	.....	13.27	.....	11.85	.....	12.32	.....	.....	.....	.....	.....
20	.....	.....	13.28	.....	11.91	.....	12.39	.....	.....	.....	.....	.....
21	.....	.....	13.19	.....	11.98	.....	12.44	.....	11.45	.....	.....	.....
22	.....	.....	12.21	.....	11.98	.....	12.54	.....	11.50	.....	.....	.....
23	.....	.....	11.81	.....	12.00	.....	12.63	9.58	11.54	.....	.....	.....
24	.....	.....	11.77	.....	12.03	.....	12.74	.....	11.57	.....	.....	.....
25	.....	.....	11.77	.....	12.15	.....	12.84	.....	11.66	.....	.....	.....
26	.....	.....	11.76	11.27	12.23	.....	12.92	.....	11.72	.....	.....	.....
27	.....	.....	11.84	11.18	.....	.....	12.98	.....	.....	.....	.....	.....
28	.....	.....	11.88	11.08	.....	.....	.....	.....	.....	.....	.....	.....
29	.....		11.98	11.03	.....	.....	.....	.....	.....	.....	.....	.....
30	.....		11.98	11.05	.....	.....	.....	.....	.....	.....	.....	.....
31	.....		11.95		.....		.....	.....		.....		.....

Har-Ed 24. U. S. Army. Army Chemical Center, Edgewood. Lat. 39°23'50", long. 76°16'21". Drilled unused artesian well in Patuxent formation, diameter 18 to 10 inches, depth 149 feet, cased to 120, screen 120-135. Land-surface datum is 13 feet above msl. Highest water level 8.24 below lsd, Apr. 13, 1944; lowest 35.88 below lsd, Feb. 4, 1955. Records available: 1944, 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.80	35.19	34.77	34.36	37.17	.....	.....	34.10	34.02	33.80	33.58	.....
2	34.67	35.47	34.82	34.38	37.43	.....	.....	34.12	34.05	33.94	33.59	.....
3	34.86	35.41	35.03	34.29	.....	.....	.....	34.30	33.80	33.81	33.16	.....
4	34.78	35.88	34.92	34.51	.....	.....	.....	33.92	33.79	33.79	34.14	.....
5	34.64	35.38	34.72	34.51	.....	.....	.....	33.97	33.70	33.76	34.01	.....
6	34.45	34.97	34.27	34.20	.....	.....	.....	34.19	33.95	33.52	33.57	.....
7	35.21	34.82	34.60	34.84	.....	.....	.....	34.09	33.95	33.34	33.39	.....
8	35.17	34.96	34.88	35.17	.....	.....	34.16	34.35	34.15	34.01	33.57	.....
9	34.86	34.86	34.58	34.84	.....	.....	34.32	34.31	33.81	34.14	.....	.....
10	34.88	34.59	34.82	35.19	.....	.....	34.45	33.87	33.81	33.87	.....	34.01
11	35.08	34.80	34.56	35.24	.....	.....	34.56	33.90	33.81	33.89	.....	33.77
12	34.95	35.41	34.72	35.11	.....	.....	.....	34.43	34.04	33.72	.....	34.04
13	34.85	35.84	34.61	35.19	.....	.....	.....	.....	34.11	33.45	.....	34.02
14	35.32	35.82	34.69	35.06	.....	.....	34.28	.....	33.94	33.09	.....	33.76
15	34.91	34.86	34.41	35.59	.....	.....	34.28	.....	33.82	32.88	.....	33.52
16	34.76	34.86	34.46	36.00	.....	.....	34.21	.....	33.89	33.12	.....	33.96
17	35.17	34.82	34.91	36.00	.....	.....	34.29	.....	33.96	32.91	.....	33.77
18	35.42	35.13	34.88	36.10	.....	.....	34.37	.....	33.89	33.24	.....	33.74
19	35.31	34.96	34.94	36.14	.....	.....	34.39	.....	33.90	33.59	.....	33.88
20	35.67	34.91	34.68	36.42	.....	.....	34.43	.....	33.86	33.68	.....	34.11
21	35.33	34.94	34.62	36.22	.....	.....	34.10	33.88	33.68	33.55	.....	33.80
22	34.53	34.82	34.42	36.30	.....	.....	34.26	33.77	33.83	34.46	.....	33.39
23	34.86	34.73	34.29	36.32	.....	.....	34.15	34.02	33.71	33.54	.....	33.57
24	34.92	34.14	34.52	36.42	.....	.....	34.27	34.15	33.59	33.54	.....	33.42
25	34.73	35.04	34.75	36.28	.....	.....	34.25	34.10	34.17	34.19	.....	33.55
26	35.07	34.98	34.35	36.33	.....	.....	34.21	33.65	34.29	33.80	.....	33.97
27	35.47	34.91	34.67	36.52	.....	.....	34.14	33.74	33.80	33.92	.....	.....
28	35.67	34.84	35.27	37.06	.....	.....	34.36	34.01	33.59	33.48	.....	.....
29	35.23		35.34	37.20	.....	.....	34.38	33.90	34.07	33.24	.....	.....
30	35.22		34.89	37.29	.....	.....	34.07	33.63	33.54	33.12	.....	.....
31	35.46		34.17		.....		34.09	33.66		33.41		.....

Howard County

How-Bd 1. S. D. Slack. Slacks Corner. Lat. 39°18'10", long. 76°57'56". Dug domestic and stock water-table well in Wissahickon formation, diameter 5 to 4 feet, depth 48 feet, cribbed with stone. Land-surface datum is 630 feet above msl. Highest water level 30.28 below lsd, July 5, 1952; lowest 45.94 below lsd, Feb. 16, 1948. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	41.89	Apr. 4	44.66	Aug. 8	43.00	Oct. 12	41.61
Feb. 3	42.71	May 4	43.58	29	42.90	Nov. 4	40.78
9	42.90	June 1	42.94	Sept. 17	42.12	Dec. 1	40.52
Mar. 2	44.09	27	43.30	Oct. 7	41.71	30	40.43
24	45.03	July 14	43.09				

Kent County

Ken-Bg 27. Massey Packing Co. Massey. Lat. 39°18'38", long. 75°49'35". Drilled unused artesian well in Monmouth formation, diameter 4 to 2 inches, depth 205 feet, cased to 196, screen 196-201. Land-surface datum is 70 feet above msl. Highest water level 19.15 below lsd, Nov. 28, 1955; lowest 19.28 below lsd, Nov. 22, 1955. Records available: 1955. Nov. 15, 19.16; Nov. 22, 19.28; Nov. 28, 19.15.

Ken-Dc 1. Catherine Overbeck. Near Deep Point. Lat. 39°06'56", long. 76°06'52". Drilled domestic artesian well in Aquia greensand, diameter 6 inches, depth 87 feet. Land-surface datum is about 10 feet above msl. Highest water level 7.23 below lsd, Apr. 29, 1952; lowest 10.54 below lsd, Nov. 27, 1951. Records available: 1947-48, 1951-55.

Feb. 2	10.40	Apr. 28	9.17	July 11	9.29	Sept. 30	9.18
Mar. 3	9.63	June 2	10.30	Sept. 7	9.41	Dec. 8	9.08
29	10.34						

Montgomery County

Mont-Be 1. Mount Lebanon Church. Near Damascus. Lat. 39°16'46", long. 77°10'05". Drilled unused water-table well in Ijamsville phyllite, diameter 6 inches, depth 58 feet. Land-surface datum is 710 feet above msl. Highest water level 24.10 below lsd, Mar. 17, 1949; lowest 47.00 below lsd, Feb. 9, 1955. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 9	47.00	June 7	43.36	Sept. 13	37.60	Nov. 1	36.91
Apr. 5	46.65	July 14	42.79	Oct. 13	38.04	Dec. 1	40.26
May 12	44.45	Aug. 29	37.70				

Mont-Cc 14. Shirley Hayes. Barnesville. Lat. 39°13'14", long. 77°22'42". Dug domestic water-table well in Ijamsville phyllite, diameter 60 to 24 inches, depth 46 feet, cribbed with rock. Land-surface datum is 550 feet above msl. Highest water level 29.39 below lsd, Apr. 20, 1953; lowest 45.35 below lsd, Nov. 23, 1954. Records available: 1952-55.

Feb. 9	41.38	June 7	d37.69	Sept. 13	35.43	Nov. 1	38.03
Apr. 5	33.31	July 14	38.75	Oct. 12	37.90	Dec. 1	38.89

d Nearby well pumped recently.

Mont-Cf 1. Village of Mount Zion. Lat. 39°11'00", long. 77°06'09". Dug public-supply water-table well in Sykesville granite, diameter 36 inches, depth 26 feet, cribbed with stone. Land-surface datum is 513 feet above msl. Highest water level 6.20 below lsd, Mar. 22, 1953; lowest 20.20 below lsd, Nov. 23, 1954. Records available: 1949-55.

Feb. 9	18.10	June 7	15.22	Sept. 13	14.69	Nov. 1	14.31
Apr. 5	14.75	July 14	17.80	Oct. 13	15.96	Dec. 1	14.09

Mont-Dc 1. J. D. Byrd. Dawsonville. Lat. 39°07'43", long. 77°21'00". Drilled domestic water-table well in New Oxford formation, diameter 6 inches, reported depth 110 feet. Land-surface datum is 340 feet above msl. Highest water level 2.17 below lsd, Feb. 6, 1952; lowest 31.16 below lsd, Sept. 29, 1954. Records available: 1949-55. Feb. 9, 9.14; Apr. 5, 3.20; June 7, 14.81; July 14, 10.50; Oct. 13, 15.90; Nov. 1, 12.70; Dec. 1, 10.87.

Mont-De 1. Washington Suburban Sanitary Commission. Gaithersburg. Lat. 39°08'31", long. 77°12'18". Drilled unused water-table well in Wissahickon formation, diameter 6 inches, depth 81 feet. Land-surface datum is 460 feet above msl. Highest water level 5.50 below lsd, June 1, 1953; lowest 57.00 below lsd, Aug. 25, 1948. Records available: 1948-55.

Feb. 1	12.50	June 1	11.50	Sept. 1	12.70	Oct. 13	12.92
Mar. 1	11.00	30	13.40	Oct. 3	13.00	Dec. 2	11.40
Apr. 4	10.20	Aug. 1	16.40				

Mont-Eg 1. Walter M. Brown. Near Colesville. Lat. 39°04'00", long. 77°01'31". Dug unused water-table well in Wissahickon formation, depth 20 feet, lined with loose stones. Land-surface datum is 280 feet above msl. Highest water level 8.96 below lsd, Apr. 28, 1952; lowest 18.41 below lsd, Oct. 6, 1932. Records available: 1932-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	16.58	.....	.....	.....	14.96	15.70	16.29	17.13	14.70	15.89	15.24	15.79
2	16.58	16.51	15.69	14.46	14.98	15.73	16.32	17.15	14.73	15.92	.....	15.78
3	16.58	16.54	15.74	14.46	15.00	15.76	16.35	17.18	14.76	15.95	.....	15.78
4	16.57	16.56	15.71	14.54	15.00	15.78	16.37	17.22	14.79	15.97	.....	15.78
5	16.57	.....	15.70	14.59	15.00	15.80	16.39	17.25	14.82	15.99	.....	15.79
6	16.55	.....	15.39	14.56	15.02	15.85	16.42	17.29	14.85	16.02	.....	15.82
7	16.54	.....	15.13	.....	15.06	15.89	16.45	17.32	14.89	16.05	.....	15.83
8	16.54	.....	15.23	.....	15.07	15.90	16.49	17.35	14.97	16.00	.....	15.84
9	16.53	.....	15.21	.....	15.12	15.91	16.52	17.39	15.03	15.98	.....	15.85
10	16.51	.....	15.19	.....	15.15	15.94	16.53	17.42	15.07	16.00	.....	15.89
11	16.51	.....	15.14	.....	15.17	15.89	16.55	17.44	15.09	16.02	.....	15.91
12	16.50	.....	15.13	.....	15.21	15.87	16.59	17.31	15.15	16.03	15.43	15.92
13	16.48	.....	15.11	.....	15.23	15.91	16.62	15.51	15.22	16.04	15.45	15.94
14	16.48	.....	15.11	.....	15.17	15.95	16.64	15.63	15.27	14.96	15.45	15.95
15	16.47	.....	15.08	.....	15.18	15.99	16.65	15.80	15.29	14.79	15.49	15.95
16	16.47	.....	15.02	.....	15.20	16.02	16.68	15.87	15.34	14.89	15.50	15.97
17	16.47	.....	15.05	.....	15.22	16.05	16.70	15.86	15.40	14.93	15.54	15.99
18	16.47	.....	15.02	.....	15.26	16.08	16.72	14.87	15.44	14.96	15.59	16.00
19	16.47	.....	15.02	.....	15.28	16.09	16.76	14.63	15.46	14.98	15.57	16.02
20	16.47	.....	15.03	.....	15.30	16.11	16.79	14.86	15.48	15.02	15.60	16.04
21	16.48	.....	14.81	.....	15.35	16.13	16.81	14.93	15.56	15.01	15.60	16.05
22	16.46	.....	14.35	.....	15.39	16.16	16.83	14.93	15.62	15.03	15.63	16.04
23	16.45	.....	14.42	.....	15.40	16.17	16.86	14.54	15.66	15.04	15.63	16.05
24	16.46	.....	14.45	.....	15.41	16.05	16.88	14.65	15.67	15.02	15.66	16.06
25	16.46	.....	.....	.....	15.44	16.12	16.91	14.69	15.70	15.05	15.68	16.07

Mont-Eg 1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	16.47	.....	.....	.....	15.50	16.16	16.94	14.69	15.75	15.05	15.67	16.11
27	16.47	.....	.....	.....	15.55	16.20	16.97	14.67	15.78	15.09	15.69	16.13
28	16.47	.....	.....	.....	15.57	16.24	17.00	14.67	15.79	15.12	15.68	16.15
29	.....		.....	.....	15.58	16.26	17.03	14.68	15.82	15.12	15.72	16.14
30	.....		.....	.....	15.61	16.27	17.07	14.69	15.85	15.14	15.76	16.13
31	.....		.....		15.66		17.10	14.68		15.20		16.14

Prince Georges County

PG-Ad 8. Francis Gosnell. 605½ Main St., Laurel. Lat. 39°06'21", long. 76°51'10". Dug unused water-table well in Patuxent formation, diameter 4 feet, depth 35 feet. Land-surface datum is 179 feet above msl. Highest water level 11.56 below lsd, Apr. 17, 1953; lowest 19.26 below lsd, Oct. 13, 1954. Records available: 1949-55. Feb. 24, 15.13; Apr. 27, 13.60; July 12, 14.95; Sept. 28, 14.68; Nov. 8, 14.30; Dec. 5, 14.82.

PG-Bd 17. Beltsville Research Center. Dairy Experiment Station. Near Beltsville. Lat. 39°01'55", long. 76°53'31". Drilled unused well in Patuxent formation, diameter 8 inches, depth 233 feet. Land-surface datum is 124 feet above msl. Highest water level 20.60 below lsd, May 26, 1952; lowest 24.04 below lsd, Aug. 7, 1954. Records available: 1948-55. Feb. 24, 22.65; Apr. 27, 22.47; July 12, 23.35; Sept. 28, 22.81; Nov. 8, 22.65; Dec. 5, 22.69.

PG-Df 2. Dr. Bowie. Near Leeland. Lat. 38°51'54", long. 76°43'16". Dug unused well in Nanjemoy formation, diameter 4 feet, depth 82 feet. Land-surface datum is 145 feet above msl. Highest water level 72.25 below lsd, Oct. 19, 1949, Apr. 16, 1953; lowest 75.96 below lsd, Nov. 19, 1951. Records available: 1948-55. Feb. 25, 74.54; Apr. 26, 74.08; July 11, 75.93; Sept. 26, 74.69; Oct. 5, 74.55; Nov. 7, 74.39; Dec. 6, 74.31.

Queen Annes County

QA-Be 1. State Roads Commission. Near Kingstown. Lat. 39°11'54", long. 76°02'20". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 21 feet. Land-surface datum is about 19 feet above msl. Highest water level 1.87 above lsd, Mar. 31, 1953; lowest 3.19 below lsd, Oct. 26, 1950. Records available: 1949-50, 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 2	1.97	Apr. 28	1.11	Sept. 7	0.34	Nov. 1	1.02
Mar. 3	1.54	June 2	1.79	30	.64	Dec. 8	1.47
29	1.01	July 11	1.94				

QA-Eb 12. Stevensville Fire Dept. Lat. 38°58'47", long. 76°23'59". Drilled unused artesian well in Aquia greensand, diameter 2½ inches, depth 194 feet. Land-surface datum is about 15 feet above msl. Highest water level 0.54 below lsd, Mar. 1, 1954; lowest 4.89 below lsd, Nov. 2, 1954. Records available: 1953-55.

Feb. 2	4.20	Apr. 29	3.07	Sept. 6	2.85	Nov. 28	3.01
Mar. 2	4.05	June 3	3.43	28	2.77	Dec. 7	3.22
Apr. 1	3.72	July 11	3.29	Nov. 1	2.86		

QA-Ec 1. State Roads Commission. Near Grasonville. Lat. 38°57'49", long. 76°10'56". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 21 feet. Land-surface datum is about 20 feet above msl. Highest water level 0.12 below lsd, Apr. 29, 1952; lowest 7.98 below lsd, Oct. 27, 1949. Records available: 1949-55.

Feb. 2	7.31	Apr. 29	2.19	Sept. 6	3.54	Nov. 28	3.66
Mar. 2	5.92	June 3	4.58	28	4.13	Dec. 7	3.98
Apr. 1	2.98	July 11	5.35	Nov. 1	4.50		

St. Marys County

St. M.-Df 26. Thomas K. Clark. Near California. Lat. 38°17'33", long. 76°29'39". Dug unused water-table well in deposits of Pleistocene age, diameter 48 to 36 inches, depth 68 feet, lined with brick and cement. Land-surface datum is 110 feet above msl. Highest water level 50.57 below lsd, June 6, 1949; lowest 57.18 below lsd, Dec. 5, 1955. Records available: 1947-55. Feb. 25, 56.15; Apr. 26, 56.18; July 11, 56.45; Sept. 27, 56.35; Nov. 7, 56.43; Dec. 5, 57.18.

St. M.-Ef 27. J. A. Coad. Portobello. Lat. 38°10'37", long. 76°27'10". Drilled unused artesian well in Aquia greensand, diameter 1½ inches, depth 438 feet. Land-surface datum is 1 foot above msl. Highest water level 5.41 below lsd, Dec. 5, 1955; lowest 14.21 below lsd, Oct. 13, 1953. Records available: 1949-55. Feb. 25, 6.95; Apr. 27, 6.82; July 12, 7.38; Nov. 8, 6.44; Dec. 5, 5.41.

St. M.-Eg 3. Mrs. J. W. Elms. Near St. James. Lat. 38°12'02", long. 76°22'34". Drilled domestic artesian well in sediments of Eocene age, diameter 1½ inches, depth 387 feet, cased to 210. Land-surface datum is 15 feet above msl. Highest water level 12.80 below lsd, Mar. 25, 1947; lowest 16.61 below lsd, Oct. 13, 1954. Records available: 1947-55. Feb. 24, 16.48; Apr. 27, 15.88; July 12, 16.15; Sept. 27, 16.60; Nov. 7, 16.30.

Somerset County

Som-Be 1. State Roads Commission. Near Princess Anne. Lat. 38°12'47", long. 75°43'26". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 23 feet. Land-surface datum is about 18 feet above msl. Highest water level 0.18 below lsd, Sept. 6, 1955; lowest 4.52 below lsd, Oct. 30, 1952. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	2.54	Apr. 27	0.45	Sept. 6	0.18	Nov. 9	0.59
Mar. 1	.77	June 1	2.50	28	.40	Dec. 8	.72
30	.80	July 11	.20				

Som-Be 42. E. M. Smith. Princess Anne. Lat. 38°11'52", long. 75°41'25". Drilled unused artesian well in sand of Miocene age, diameter 2 inches, depth 184 feet. Land-surface datum is about 17 feet above msl. Highest water level 6.15 below lsd, May 1, 1953; lowest 27.53 below lsd, Nov. 9, 1955. Records available: 1952-55.

Feb. 1	21.46	Apr. 27	23.43	Sept. 6	24.27	Nov. 9	27.53
Mar. 1	22.06	June 1	23.38	28	23.85	Dec. 8	25.48
30	22.53	July 11	22.97				

Som-Cf 2. State Roads Commission. Near Costen. Lat. 38°06'16", long. 75°38'11". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 15 feet. Land-surface datum is about 20 feet above msl. Highest water level 0.52 below lsd, Sept. 6, 1955; lowest 6.12 below lsd, Sept. 7, 1954. Records available: 1949-55.

Feb. 1	2.99	Apr. 27	0.75	Sept. 6	0.52	Nov. 9	1.27
Mar. 1	1.01	June 1	3.12	28	.95	Dec. 8	1.22
30	1.22	July 11	2.85				

Talbot County

Tal-Be 44. State Roads Commission. Near Longwoods. Lat. 38°51'08", long. 76°03'45". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 35 feet. Land-surface datum is about 20 feet above msl. Highest water level 5.73 below lsd, Apr. 1, 1954; lowest 8.30 below lsd, Nov. 2, 1954. Records available: 1954-55.

Feb. 2	7.63	Apr. 29	6.37	Sept. 6	6.43	Nov. 9	6.61
Mar. 2	7.21	June 3	6.50	28	6.46	Dec. 7	7.25
Apr. 1	7.53	July 14	6.56				

Tal-De 1. State Roads Commission. Near Hambleton. Lat. 38°41'22", long. 76°03'43". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 17 feet. Land-surface datum is about 48 feet above msl. Highest water level 0.13 below lsd, Apr. 29, 1952; lowest 7.83 below lsd, Dec. 9, 1954. Records available: 1949-55.

Feb. 2	7.73	Apr. 29	3.51	Sept. 6	3.49	Nov. 9	4.21
Mar. 2	6.73	June 3	5.43	28	4.29	Dec. 7	4.25
Apr. 1	4.05	July 14	5.20				

Tal-Ed 6. Rogers Firth. Near Trappe. Lat. 38°38'49", long. 76°06'34". Drilled unused artesian well in Piney Point formation, diameter 1½ inches, depth 327 feet. Land-surface datum is about 10 feet above msl. Highest water level 33.22 below lsd, Apr. 29, 1952; lowest 52.25 below lsd, Sept. 28, 1955. Records available: 1952-55.

Feb. 4	45.47	Apr. 29	42.17	Sept. 6	46.37	Nov. 9	49.04
Mar. 2	43.27	June 3	47.04	28	52.25	Dec. 7	49.24
Apr. 7	44.07	July 14	44.88				

Washington County

Wa-Ac 1. Susan Creager. Hancock. Lat. 39°41'59", long. 78°10'31". Drilled unused well in Romney shale, diameter 4 inches, depth 86 feet. Land-surface datum is 450 feet above msl. Highest water level 43.50 below lsd, Jan. 3, 1947; lowest 55.83 below lsd, Nov. 19, 1953. Records available: 1946-55.

Jan. 5	49.67	Apr. 6	52.20	July 20	54.35	Oct. 12	54.12
Feb. 7	52.52	May 6	52.60	Aug. 11	54.41	22	54.28
7	53.08	June 8	53.79	Sept. 14	53.56	Nov. 29	54.04
Mar. 1	50.20						

Wa-Be 2. State of Maryland. Fort Frederick State Park. Lat. 39°36'40", long. 78°00'20". Dug unused water-table well in Romney shale, diameter 42 inches, depth 43 feet, cribbed with stone. Land-surface datum is 480 feet above msl. Highest water level 18.24 below lsd, Apr. 1, 1953; lowest 35.86 below lsd, Nov. 1, 1954. Records available: 1949-55. Jan. 17, 31.37; Feb. 7, 31.67; July 20, 33.87.

Wa-Bh 3. Garland Groh. Near Hagerstown. Lat. 39°39'00", long. 77°46'31". Dug and drilled domestic and farm water-table well in Stones River or Beekmantown limestone, depth 218 feet. Land-surface datum is 545 feet above msl. Highest water level 16.28 below lsd, Dec. 7, 1950; lowest 42.25 below lsd, July 20, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	22.36	May 11	29.80	Aug. 10	40.68	Nov. 8	38.98
Feb. 1	31.25	June 15	42.16	Sept. 8	39.03	Dec. 7	39.00
Mar. 2	22.51	July 12	38.96	Oct. 11	38.37	28	38.74
Apr. 1	17.57	20	42.25	12	40.42		

Wa-Dh 1. John Murphy. Sharpsburg. Lat. 39°27'23", long. 77°45'08". Dug domestic water-table well in Conococheague limestone, diameter 36 inches, depth 29 feet, cribbed with stone. Land-surface datum is 440 feet above msl. Highest water level 17.78 below lsd, Feb. 7, 1951; lowest 27.72 below lsd, Dec. 29, 1954. Records available: 1946-55.

Jan. 5	25.45	Apr. 1	25.40	Aug. 11	25.35	Nov. 7	25.54
Feb. 1	25.61	12	25.49	Sept. 12	25.49	Dec. 8	25.53
9	25.46	June 15	25.20	Oct. 12	25.36	28	25.64
Mar. 1	25.29	July 13	25.45	13	25.70		

Wicomico County

Wi-Bd 33. State Roads Commission. Near Hebron. Lat. 38°25'07", long. 75°44'07". Driven observation water-table well in sand of Pleistocene age, diameter 1 inch, depth 13 feet. Land-surface datum is about 23 feet above msl. Highest water level 3.84 below lsd, Feb. 1, 1952; lowest 6.96 below lsd, Aug. 3, 1951. Records available: 1950-55.

Feb. 3	5.14	Apr. 27	4.64	Sept. 7	4.93	Nov. 8	4.98
Mar. 1	4.14	June 1	5.32	28	4.91	Dec. 7	4.92
31	4.34	July 14	5.41				

Wi-Ce 13. City of Salisbury. On south bank of South Prong of Wicomico River, 600 feet east of tidewater dam. Lat. 38°21'50", long. 75°35'22". Drilled unused water-table well in sand of Pleistocene age, diameter 16 to 10 inches, depth 65 feet. Land-surface datum is about 10 feet above msl. Highest water level 1.07 below lsd, Aug. 5, 1948; lowest 10.72 below lsd, Aug. 30, 1947. Records available: 1947-55.

Jan. 3	5.40	Mar. 30	3.69	July 13	4.57	Nov. 8	6.19
Feb. 1	5.44	Apr. 27	3.66	Sept. 7	5.17	Dec. 7	6.32
Mar. 1	3.51	June 1	5.56	28	5.91		

Wi-Ce 72. State of Maryland. Pine Bluff State Hospital. Near Salisbury. Lat. 38°20'38", long. 75°37'32". Driven observation water-table well in sand of Pleistocene age, diameter $1\frac{1}{4}$ inches, depth 44 feet. Land-surface datum is about 16 feet above msl. Highest water level 20.74 below lsd, June 2, 1952; lowest 22.85 below lsd, Aug. 6, 1949. Records available: 1948-55.

Feb. 1	22.28	Apr. 27	21.69	Sept. 6	21.65	Nov. 10	21.80
Mar. 1	22.13	June 1	22.20	28	21.68	Dec. 8	21.95
30	21.88	July 13	22.11				

Wi-Ce 105. Salisbury Ice Co. Near intersection of Brown and Naylor Sts., Salisbury. Lat. 38°22'30", long. 75°35'20". Driven unused water-table well in sand of Pleistocene age, diameter $1\frac{1}{2}$ inches, depth 62 feet. Land-surface datum is about 40 feet above msl. Highest water level 27.24 below lsd, May 7, 1953; lowest 30.87 below lsd, Nov. 30, 1951. Records available: 1951-55.

Jan. 3	30.39	Mar. 30	29.49	July 13	29.38	Nov. 10	28.48
Feb. 1	29.85	Apr. 27	29.19	Sept. 6	28.56	Dec. 7	28.80
Mar. 2	30.10	June 1	29.48	28	28.56		

Wi-Cf 3. Salisbury Airport. Near Salisbury. Lat. 38°20'40", long. 75°31'15". Drilled unused water-table well in sand of Pleistocene age, diameter 16 inches, depth 109 feet. Land-surface datum is about 45 feet above msl. Highest water level 2.79 below lsd, Oct. 1, 1955; lowest 11.55 below lsd, Sept. 18, 1947. Records available: 1947-55.

Wi-Cf 3--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	6.67	....	5.71	6.13	6.94	....	6.76	7.22	....	6.15	....	6.58
2	6.59	....	5.26	6.14	6.98	7.80	6.86	7.31	....	3.25	....	6.56
3	6.70	....	5.34	6.30	6.98	7.82	....	7.40	....	3.78	....	6.54
4	6.74	....	5.28	6.44	6.97	7.82	....	7.46	....	4.15	....	6.54
5	6.78	....	5.15	6.46	7.01	7.86	....	7.48	....	4.52	....	6.64
6	6.82	7.48	3.87	6.40	7.10	7.91	....	7.53	....	4.78	....	6.68
7	6.90	7.26	3.85	6.55	7.11	7.91	....	7.57	....	5.00	....	6.68
8	6.93	6.77	4.18	6.64	7.16	7.91	....	7.62	5.91	5.22	....	....
9	6.93	6.71	4.48	6.67	7.22	7.62	....	7.65	6.01	5.34	....	....
10	7.00	6.70	4.74	6.67	7.22	7.56	....	7.65	6.04	5.45	6.31	....
11	....	6.64	4.98	6.72	7.25	7.52	....	7.68	6.05	5.56	5.86	....
12	....	6.42	5.12	6.72	7.28	4.88	....	7.67	6.28	5.68	5.43	....
13	....	6.46	5.37	6.73	7.30	5.22	....	3.04	6.34	5.75	5.46	....
14	....	6.45	5.47	6.68	7.26	5.53	6.67	....	6.35	5.74	5.59	....
15	....	6.53	5.46	6.70	7.33	5.75	6.76	....	6.41	3.57	5.66	....
16	....	6.56	5.63	6.81	7.31	5.97	6.87	....	6.52	3.99	5.72	....
17	....	6.60	5.76	6.82	7.35	6.18	6.98	....	6.56	4.35	6.04	....
18	....	6.60	5.73	6.84	7.37	6.27	7.07	....	6.56	4.68	6.08	....
19	....	6.57	5.69	6.79	7.36	6.26	7.15	....	6.54	5.04	6.08	....
20	....	6.62	5.73	6.90	7.45	5.85	7.20	....	6.29	5.19	6.02	....
21	....	6.63	5.68	6.86	7.50	5.99	7.24	....	5.70	5.32	6.03	....
22	....	6.62	5.55	6.85	7.51	6.17	7.31	....	5.77	5.52	6.08	....
23	....	6.62	5.40	6.89	7.50	6.32	7.35	....	5.56	5.54	6.08	....
24	....	6.60	5.50	6.91	7.53	6.46	7.40	....	5.57	5.65	6.24	....
25	....	6.30	5.60	6.84	7.59	6.50	7.49	....	5.75	5.71	6.24	....
26	....	6.00	5.62	6.80	7.64	6.31	7.51	....	5.87	5.79	6.28	....
27	....	5.93	5.76	6.76	7.69	6.41	7.41	....	5.90	5.92	6.30	....
28	....	5.80	5.86	6.76	7.68	6.49	7.43	....	6.01	5.95	6.37	....
29	....		5.94	6.83	7.68	6.58	7.03	....	6.12	5.95	6.47	....
30	....		6.06	6.89	7.80	6.65	7.12	....	6.21	....	6.52	....
31	....		6.08		....		7.18	....		....		....

Wi-Cg 20. State Roads Commission. Between Parsonsburg and Pittsville. Lat. 38°23'33", long. 75°26'45". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 25 feet. Land-surface datum is about 60 feet above msl. Highest water level 3.84 below lsd, Jan. 31, 1950; lowest 7.51 below lsd, July 31, 1952. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	5.41	Apr. 27	4.82	Sept. 6	4.20	Nov. 9	4.49
Mar. 1	4.48	June 1	5.44	28	4.36	Dec. 8	4.79
30	4.66	July 14	5.37				

Worcester County

Wor-Bg 1. State Roads Commission. Near Herring Creek. Lat. 38°20'30", long. 75°06'21". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 14 feet. Land-surface datum is about 10 feet above msl. Highest water level 2.85 below lsd, June 2, 1952; lowest 6.47 below lsd, Aug. 16, 1949, Sept. 7, 1954. Records available: 1949-55. Dec. 8, 3.80.

Wor-Dd 9. State Roads Commission. Snow Hill. Lat. 38°11'20", long. 75°22'45". Driven observation water-table well in sand of Pleistocene age, diameter 1¼ inches, depth 20 feet. Land-surface datum is about 20 feet above msl. Highest water level 9.88 below lsd, Mar. 31, 1952; lowest 12.16 below lsd, Dec. 31, 1949. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	11.95	Apr. 27	11.18	Sept. 6	10.66	Nov. 9	10.94
Mar. 1	11.81	June 1	11.68	28	10.75	Dec. 8	10.98
30	11.31	July 11	11.58				

Wor-Fb 2. Pocomoke City. Lat. 38°04'08", long. 75°34'00". Drilled unused artesian well in sand of Miocene age, diameter 16 to 10 inches, depth 130 feet. Land-surface datum is 20 feet above msl. Highest water level 24.32 below lsd, Jan. 5, 1954; lowest 30.92 below lsd, Sept. 7, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	25.53	Apr. 27	24.87	Sept. 6	28.47	Nov. 9	25.78
Mar. 1	25.49	June 1	29.72	28	27.58	Dec. 8	24.70
30	24.88	July 11	c40.70				

c Nearby well being pumped.

MISSISSIPPI

By J. W. Lang and E. H. Boswell

Scope of Water-Level Program

The observation-well program in Mississippi was continued in 1955 in cooperation with the State Geological Survey. Measurements made in 65 wells, 8 of which are equipped with recording gages, represent water-level changes in key wells in all major aquifers of the State. A total of 253 individual measurements were made. Figure 34 shows the location of the observation wells whose records are given in this report. Field work, begun in 1953, was completed for the areal ground-water study of the alluvium in the Mississippi Alluvial Plain in the northwestern part of the State. A reconnaissance study, begun in 1954, of the aquifers of Cretaceous age in the northeastern part of the State was continued. Water-level data collected in these areas were used to make seasonal water-table maps of Bolivar County and several hydrographs; none is included in this report.

Precipitation

Records of the U. S. Weather Bureau show that precipitation which averaged 50.44 inches, 2.80 inches below normal, was evenly distributed over the State. April with 8.09 inches was the wettest month; September with 1.38 inches, the driest. (Normally, March is the wettest month and October the driest.) The greatest annual precipitation recorded was 89.11 inches at Vancleave near the Gulf Coast; the least was 39.73 inches at the Brooksville Experiment Station in northeastern Mississippi. Heavy rains in March in the northern part of the State and in April in the southeastern part caused serious floods. Eight months including the last 5 of the year had below-average rainfall. Rainfall in July, averaging 7.06 inches, 2.00 inches above normal, caused marked reduction of pumping for irrigation.

Pumpage

Total pumpage of ground water in the Jackson area, primarily for industrial and heat-exchange purposes, was estimated to average 10 mgd(million gallons per day) in 1955. The city uses surface water for the municipal supply; however, there are several suburban ground-water supplies in use. In the Gulfport-Biloxi area, the total pumpage for municipal, industrial, and military installations from wells was more than 25 mgd. In the Yazoo City area, the net withdrawal was about 16 mgd; pumpage from wells at Laurel averaged about 9 mgd. In northwestern Mississippi, the total pumpage from the alluvial aquifer was about 800 mgd during the irrigation season, May to September. In addition, the net withdrawal for industrial and domestic use from the alluvium and artesian sources probably averaged 90 mgd.

Interpretation of Water-Level Fluctuations

Water-level fluctuations can be correlated with changes in ground-water storage, barometric changes, surface loading, and other minor influences. They reflect natural recharge from vertical infiltration of rainfall on local areas and from horizontal movement of water entering the formation at higher altitudes. Water-level changes show gains from and losses to streams and lakes and indicate the effects of artificial withdrawal from the underground reservoirs. Rainfall is reflected in shallow water-table wells by rises of water level during or soon after the rains and by declines during periods of little or no rainfall. In the deep artesian wells, the effect of rainfall on the water level usually occurs days or weeks after precipitation. Considerable decline in water level in some parts of Mississippi is a result of concentration of wells and of the long-term uncontrolled flow of wells in certain artesian basins.

Water levels in 32 of 57 representative wells in artesian aquifers declined in 1955 to the lowest of record. Water levels rose slightly in some wells as the result of local decreases in withdrawal of water. Grenada County well B103 is affected by the stage of a flood-control reservoir covering part of the outcrop of the sand tapped by the well. The large rise in water level from late March throughout most of the summer was caused by filling of the reservoir; the decline during autumn and early winter was the result of releasing water before the winter rains. A part of the rise probably is the result of loading the aquifer. The hydrographs for wells Holmes P159

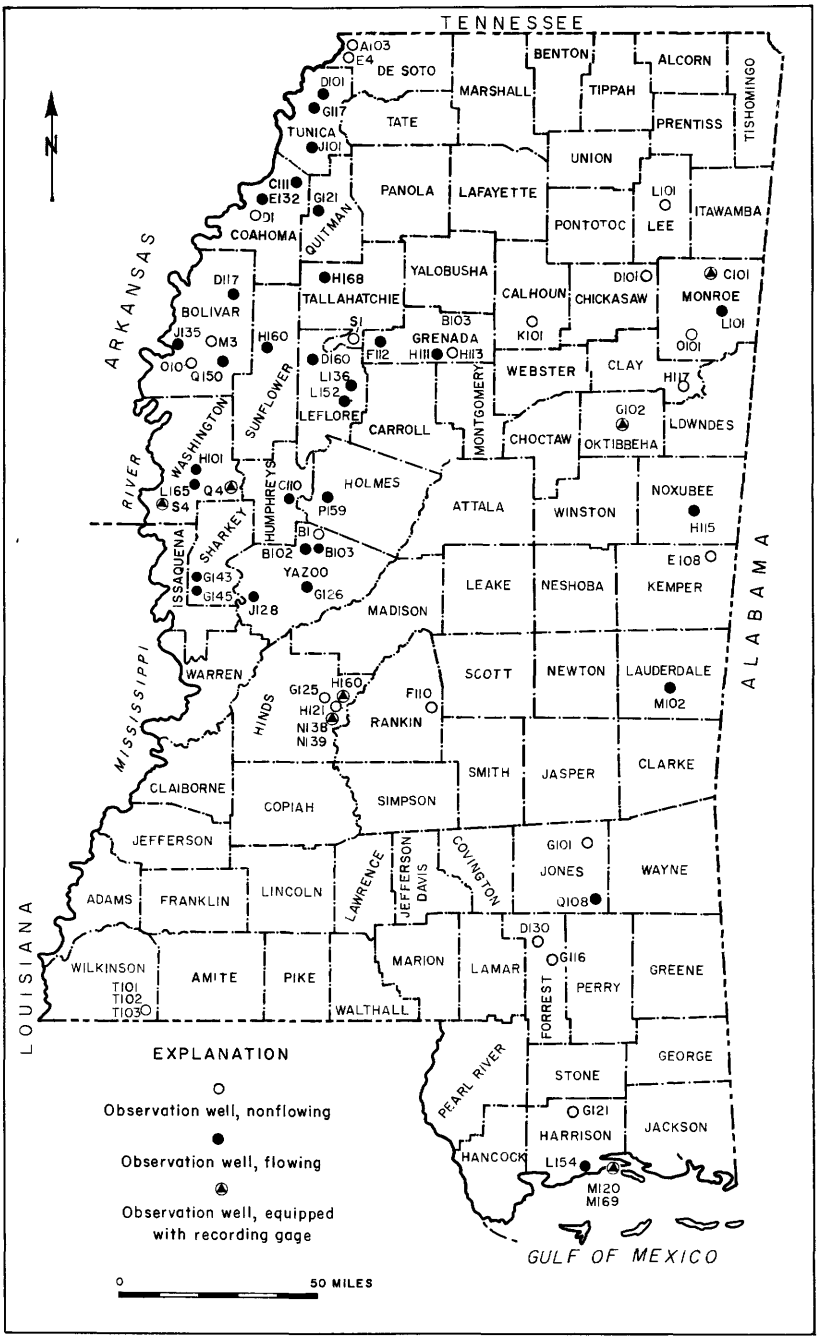


Figure 34. --Location of observation wells in Mississippi, 1955.

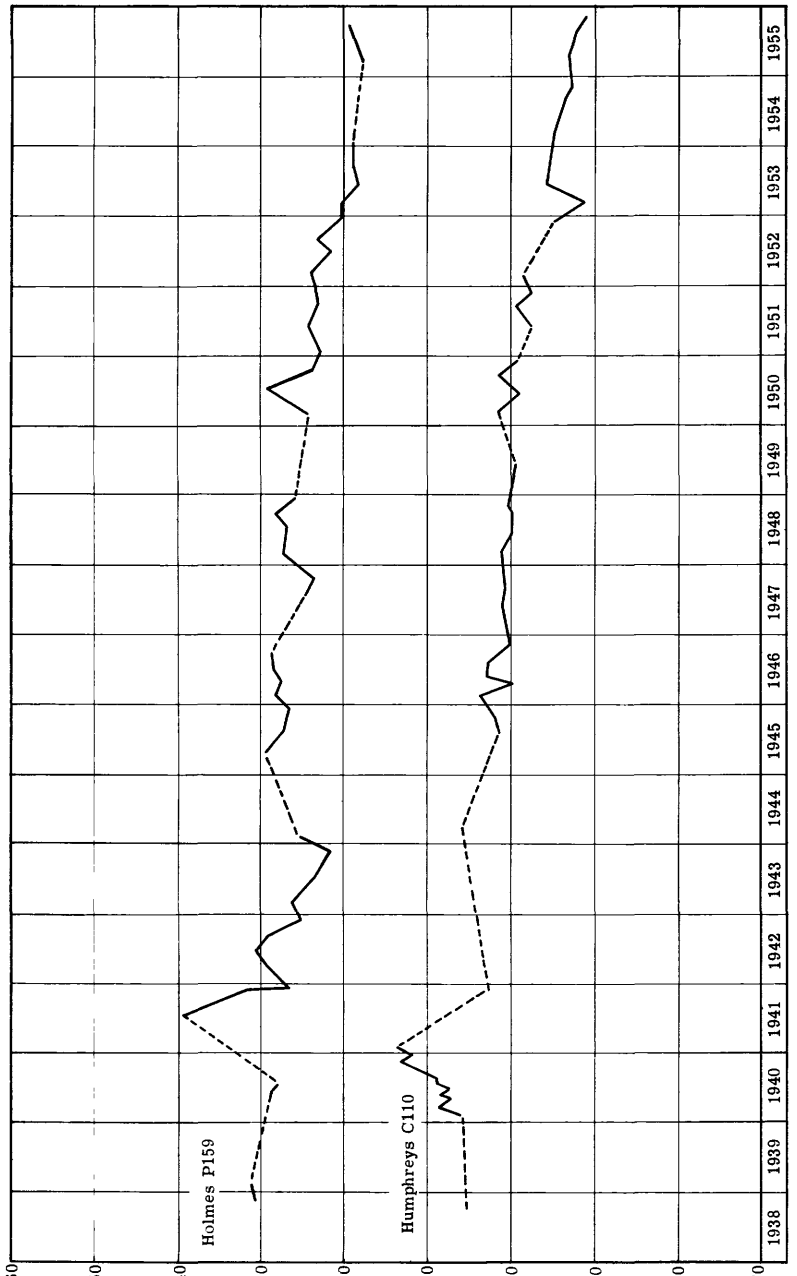


Figure 35.--Water levels in Holmes County well P159 and Humphreys County well C110, Miss., 1938-55.

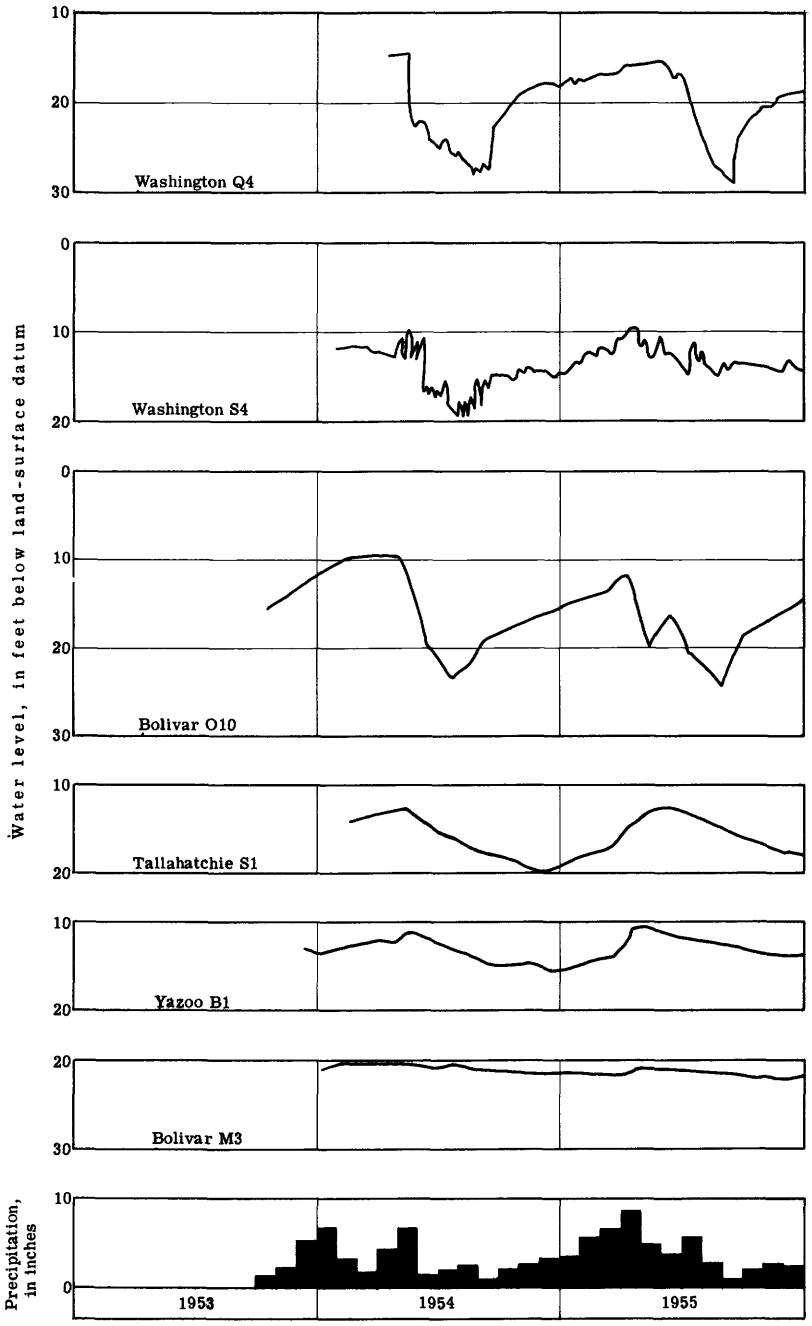


Figure 36. --Water levels in selected wells in the Alluvial Plain and average precipitation at five stations in Mississippi, 1953-55.

and Humphreys C110 (fig. 35) in the Meridian sand member of the Tallahatta formation show typical water-level fluctuations in the deep artesian aquifers of northwestern Mississippi. The net decline in water level in these wells since 1938 has been 16 feet, or at the average rate of about 1 foot per year. Shorter records for artesian wells in the Cretaceous area of northeastern Mississippi (Oktibbeha County well G102, for example) indicate a smaller decline. On the Gulf Coast, Harrison County well M120 shows close correlation with local pumping from the artesian aquifer in the Graham Ferry formation. The water level was highest in early January and then declined, fluctuating slightly, to the low for the year (19.98) on August 24.

The water-table aquifer in the alluvium of the Mississippi Alluvial Plain (Yazoo Delta) in the northwestern part of the State is a prolific source of water of moderately low mineral content for an expanding irrigation and industrial economy. The alluvium consists of clay, sand, and gravel, averaging 140 feet in thickness over an area of 6,600 square miles. About 1,000 large-capacity irrigation wells had been installed in this aquifer by the end of 1955; only 30 were in operation in 1950. Net pumpage for irrigation in 1955 probably was slightly less than in 1954 because of the heavy rains in July. The water-level fluctuations correlate closely with pumpage, rainfall, and, locally, with changes in stage of streams and lakes. Figure 36 shows the average precipitation at 5 Weather Bureau stations and the water level for 6 index wells in the alluvium. In areas of heavy pumping, the water level declined, except for minor fluctuations, from the beginning of the irrigation season in April and May until the end of the season in September, as shown by the graphs for Washington Q4 and S4 and Bolivar O10. Fluctuations of water level in well S4 especially indicate effects of ready recharge. Water levels in wells outside the areas of heavy pumping and unaffected by nearby sources of ready recharge declined to a record low (Bolivar M3). The decline probably reflects the drought and the effects of increased pumping in adjacent localities during that period.

The water levels in water-table wells uninfluenced by pumping show gradual seasonal changes and the effects of slow and persistent recharge from rainfall and from nearby streams, as illustrated by the graph for Tallahatchie well S1 (fig. 36). The water level in this well near the Tallahatchie River correlates closely with the stage of the stream. Its highest recorded level was in June 1955. Yazoo County well B1 (fig. 36) is a few miles from the loess-covered hills from which storm waters debouch on the alluvial plain. Underflow of ground water from the edge of the hills together with local infiltration from the heavy rains in early spring caused the water level in this well to rise to its highest stage in May and to remain persistently high through the remainder of 1955.

Well-Numbering System

Observation wells in Mississippi are listed alphabetically by counties. In each county, grids are designated alphabetically beginning with A in the upper left corner. The grid lines follow township lines, except for areas smaller than half a township. These are included with an adjoining township. Consecutive well numbers are used in each grid.

Well Descriptions and Water-Level Measurements

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

Bolivar County

D117. Town of Shelby. SW¼NE¼ sec. 12, T. 24 N., R. 6 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diameter 4 inches, reported depth 1,650 feet. Land-surface datum is 153.58 feet above msl. Highest water level 20.6 above lsd, June 1, 1939; lowest 0.24 below lsd, Nov. 3, 1955. Records available: 1939-46, 1948, 1950-55. Nov. 3, 0.24.

J135. Town of Beulah. SW¼NE¼ sec. 27, T. 22 N., R. 8 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diameter 8 inches, depth 1,760 feet, screen 1,710-1,760. Land-surface datum is 146.31 feet above msl. Highest water level 30.3 above lsd, Apr. 2, 1942; lowest 17.9 above lsd, Nov. 3, 1955. Records available: 1939-55. Apr. 6, +22.4; Nov. 3, +17.9.

M3. D. L. Jones. NE¼NW¼NW¼ sec. 18, T. 22 N., R. 7 W. Driven domestic water-table well in alluvium of Pleistocene age, diameter 1¼ inches, depth 48 feet. Land-surface datum is 134.4 feet above msl. Highest water level 20.04 below lsd, Feb. 10, 1954; lowest 21.93 below lsd, Nov. 30, 1955. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1954	20.34	July 22, 1954	20.88	Jan. 18, 1955	21.56	June 23, 1955	21.26
Feb. 10	20.04	Aug. 17	21.08	Feb. 18	21.66	Aug. 5	21.79
Mar. 6	20.15	Sept. 21	21.14	Mar. 18	21.66	Sept. 7	21.70
Apr. 9	20.29	Oct. 19	21.20	Apr. 8	21.27	Oct. 12	21.79
May 19	20.18	Nov. 20	21.35	May 20	21.03	Nov. 30	21.93
June 23	20.54	Dec. 21	21.37				

O10. R. C. Mouton. SW¼SW¼ sec. 14, T. 21 N., R. 7 W. Driven unused water-table well in alluvium of Pleistocene age, diameter 1¼ inches, depth 32 feet. Land-surface datum is about 125 feet above msl. Highest water level 9.60 below lsd, Apr. 15, 1954; lowest 17.80 below lsd, Oct. 21, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 20	14.86	Apr. 8	12.05	June 22	c16.18	Oct. 11	d18.63
Feb. 18	14.07	May 4	15.98	July 21	c24.12	Dec. 9	16.74
Mar. 18	13.38	18	c20.03	Sept. 19	c24.27		

c Nearby well being pumped.
d Nearby well pumped recently.

Q150. Jones Bayou Gin Association. NE¼SE¼ sec. 17, T. 21 N., R. 5 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diameter 3 to 2 inches, depth 1,310 feet, cased to 1,310. Land-surface datum is 133.66 feet above msl. Highest water level 20.1 above lsd, May 30, 1939; lowest 5.3 above lsd, Feb. 2, 1954. Records available: 1939-55. Apr. 5, +9.9; July 19, +8.6; Nov. 4, +8.1.

Calhoun County

K101. Town of Calhoun City. NE¼SW¼ sec. 13, T. 23 N., R. 9 E. Drilled public-supply artesian well in sand of Tuscaloosa group, diameter 12 inches, depth 1,898 feet. Land-surface datum is about 270 feet above msl. Highest water level 43.55 below lsd, July 27, 1955; lowest 46.71 below lsd, Nov. 4, 1955. Records available: 1955. Feb. 4, 44.50; July 27, 43.55; Sept. 30, 45.57; Nov. 4, 46.71.

Chickasaw County

D101. Town of Okolona. NE¼SW¼ sec. 26, T. 12 S., R. 5 E. Drilled unused artesian well in Eutaw formation, diameter 8 inches, reported depth 550 feet. Land-surface datum is about 320 feet above msl. Highest water level 84.60 below lsd, July 9, 1940; lowest 124.00 below lsd, Mar. 5, 1954. Records available: 1940, 1954-55. Feb. 4, 116, nearby well being pumped; Apr. 14, 98.31; July 27, 124.34, nearby well being pumped; Nov. 9, 98.10.

Clay County

H117. City of West Point. NE¼NE¼ sec. 15, T. 17 S., R. 6 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 8 inches, depth 790 feet. Land-surface datum is about 235 feet above msl. Highest water 3.88 above lsd, June 18, 1940; lowest 6.26 below lsd, Dec. 1, 1954. Records available: 1940, 1954-55. Feb. 4, 6.02; Apr. 14, 5.21. Measurement discontinued.

Coahoma County

C111. Norfleet & Wilsford. NW¼SW¼ sec. 7, T. 29 N., R. 2 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 3 to 2 inches, depth 1,821 feet, screen 1,781-1,821. Land-surface datum is 180.88 feet above msl. Highest water level 40.8 above lsd, July 26, 1940; lowest 21.9 above lsd, Sept. 22, 1954. Records available: 1940-55. May 19, +25.2; Aug. 10, +25.0; Dec. 8, +25.6.

D1. S. A. Corley. SE¼SW¼ sec. 26, T. 28 N., R. 5 W. Drilled irrigation water-table well in alluvium of Pleistocene age, diameter 18 inches, depth 133 feet, slotted casing 93-113, wire-wrapped slotted casing 113-133. Land-surface datum is about 168 feet above msl. Highest water level 12.64 below lsd, May 19, 1955; lowest 16.82 below lsd, Dec. 22, 1954. Records available: 1954-55. Jan. 18, 16.78; Feb. 16, 16.72; Mar. 17, 15.93; May 19, 12.64. Measurement discontinued.

E132. Coahoma County Agricultural High School. SW¼NW¼ sec. 36, T. 28 N., R. 4 W. Drilled school-supply artesian well in sand of Wilcox formation, diameter 4 inches, reported depth 2,000 feet. Land-surface datum is 176.74 feet above msl. Highest water level 44.9 above lsd, June 24, 1940; lowest 23.8 above lsd, May 19, 1955. Records available: 1940-55. May 19, +23.8; Aug. 10, +26.5; Dec. 8, +24.7.

De Soto County

A103. Formerly 3. H. P. Sullivan. NW¼NE¼ sec. 32, T. 1 S., R. 9 W. Drilled unused artesian well in sand of Wilcox formation, diameter 2 inches, depth 1,525 feet. Land-surface datum is about 205 feet above msl. Highest water level 16.25 above lsd, July 15, 1939; lowest 11.81 below lsd, Dec. 8, 1955. Records available: 1939, 1955. Feb. 17, 9.84; Mar. 17, 8.92; May 19, 9.28; June 24, 9.59; Aug. 10, 10.52; Dec. 8, 11.81.

E4. Shannon Planting Co. NW¼NW¼ sec. 23, T. 2 S., R. 10 W. Driven unused water-table well in alluvium of Pleistocene age, diameter 1½ inches, depth 38 feet. Land-surface datum is about 200 feet above msl. Highest water level 8.30 below lsd, Mar. 17, 1955; lowest 28.70 below lsd, Nov. 18, 1953. Records available: 1953-55. Affected by stage of Mississippi River.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	18.61	May 19	c17.72	Aug. 10	c26.73	Oct. 12	25.04
Feb. 17	18.05	June 24	c24.82	Sept. 8	c30.34	Dec. 8	24.50
Mar. 17	8.30						

c Nearby well being pumped.

Forrest County

D130. City of Hattiesburg. SE¼NW¼ sec. 10, T. 4 N., R. 13 W. Community Center Bldg. Drilled unused artesian well in Catahoula sandstone, diameter 10 inches, depth 390 feet, screen 310-390. Land-surface datum is 151.76 feet above msl. Highest water level 7.25 above lsd, June 12, 1950; lowest 1.08 above lsd, Nov. 20, 1953. Records available: 1940-54. Water level cannot be measured below 1.08 feet above land surface. No measurement made in 1955.

G116. U. S. Government-Mississippi National Guard, Camp Shelby. SW¼NE¼ sec. 27, T. 3 N., R. 12 W. Drilled observation artesian well in sand of Hattiesburg formation, diameter 4 to 3 inches, depth 416 feet, screen 382-392. Land-surface datum is 258.44 feet above msl. Highest water level 122.08 below lsd, Apr. 2, 1954; lowest 134.75 below lsd, Sept. 29, 1945. Records available: 1943-45, 1954-55.

Jan. 5	124.82	Mar. 29	124.91	June 2	125.06	Aug. 24	125.57
Feb. 2	125.02	Apr. 16	124.40	July 6	125.50	Nov. 1	125.78

Grenada County

B103. U. S. Government. Grenada Reservoir. NE¼NE¼ sec. 29, T. 23 N., R. 5 E. Drilled unused artesian well in Meridian sand member of Tallahatta formation, diameter 12 to 8 inches, depth 282 feet, screen 227-257. Land-surface datum is 207.07 feet above msl. Highest water level 5.46 below lsd, Apr. 24, 1955; lowest 30.08 below lsd, Oct. 28, 1942. Records available: 1942, 1954-55. Affected by stage of Grenada Reservoir; well is 0.5 mile below dam.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	18.85	18.58	16.95	9.11	5.62	6.43	7.63	8.90	11.08	13.29	17.05	19.41
2	18.70	18.70	16.83	9.07	5.62	6.44	7.68	8.97	11.17	13.37	17.22	19.41
3	18.55	18.80	16.75	9.00	5.65	6.45	7.75	9.04	11.23	13.46	17.35	19.39
4	18.46	19.00	16.72	8.95	5.68	6.47	7.83	9.13	11.34	13.53	17.61	19.43
5	18.18	18.98	16.72	8.82	5.69	6.47	7.88	9.20	11.45	13.65	17.74	19.35
6	18.13	19.04	16.75	8.70	5.71	6.44	7.92	9.28	11.54	13.76	17.85	19.22
7	18.09	18.98	16.78	8.63	5.72	6.52	7.95	9.35	11.60	13.93	18.02	19.17
8	18.00	18.90	16.75	8.52	5.75	6.55	7.99	9.40	11.69	14.04	18.23	19.21
9	17.94	18.77	16.76	8.42	5.83	6.59	8.06	9.46	11.81	14.15	18.39	19.30
10	17.85	18.68	16.75	8.24	5.86	6.62	8.13	9.50	11.93	14.26	18.45	19.31
11	17.99	18.77	16.80	8.19	5.95	6.68	8.16	9.51	12.02	14.34	18.55	19.26
12	17.99	18.77	16.87	7.91	5.95	6.75	8.21	9.54	12.11	14.44	18.70	19.30
13	18.10	18.71	16.95	6.83	5.98	6.85	8.29	9.65	12.37	14.56	18.79	19.31
14	18.09	18.70	17.01	6.55	6.02	6.81	8.34	9.73	12.49	14.60	18.85	19.31
15	18.10	18.73	17.03	6.21	6.07	6.84	8.29	9.79	12.53	14.81	18.86	19.40
16	18.14	18.73	17.10	6.03	6.10	6.85	8.27	9.85	12.58	14.96	18.89	19.37
17	18.24	18.84	17.22	5.95	6.13	6.88	8.28	9.91	12.67	15.09	19.12	19.35
18	18.18	18.86	17.22	5.87	6.16	6.92	8.30	10.02	12.73	15.28	19.12	19.42
19	18.31	18.91	17.24	5.81	6.21	6.95	8.35	10.10	12.77	15.43	19.16	19.47
20	18.30	18.96	17.21	5.76	6.21	6.97	8.39	10.19	12.82	15.55	19.29	19.47
21	18.23	18.90	15.53	5.69	6.23	7.04	8.43	10.27	12.87	15.68	19.26	19.47
22	18.25	18.75	13.30	5.58	6.28	7.11	8.46	10.32	12.90	15.77	19.26	19.41
23	18.25	18.50	11.80	5.49	6.31	7.17	8.50	10.40	12.92	15.87	19.28	19.45
24	18.22	18.16	11.00	5.46	6.31	7.23	8.53	10.47	12.96	15.96	19.38	19.46
25	18.30	17.77	10.70	5.52	6.31	7.38	8.56	10.56	13.04	16.04	19.38	19.54
26	18.31	17.48	10.42	5.52	6.30	7.34	8.59	10.64	13.11	16.15	19.37	19.56
27	18.34	17.22	10.06	5.52	6.36	7.41	8.61	10.72	13.11	16.30	19.36	19.59
28	18.37	17.04	9.85	5.53	6.39	7.55	8.65	10.80	13.08	16.43	19.46	19.61
29	18.47		9.66	5.58	6.43	7.57	8.69	10.85	13.09	16.49	19.51	19.67
30	18.52		9.48	5.62	6.45	7.59	8.74	10.88	13.20	16.70	19.47	19.68
31	18.60		9.31		6.45		8.82	10.98		16.90		19.64

F112. Holcomb School. SE¼SE¼ sec. 16, T. 22 N., R. 3 E. Drilled school-supply artesian well in sand of Wilcox formation, diameter 3 inches, depth 983 feet, screen 943-983. Land-surface datum is 183.14 feet above msl. Highest water level 30.4 above lsd, July 31, 1941; lowest 14.3 above lsd, Nov. 3, 1955. Records available: 1939-55. Mar. 16, +18.7; May 16, +15.4; July 26, +15.1; Sept. 20, +14.7; Nov. 3, +14.3.

H111. Formerly A11. E. T. Hill. Formerly U. S. Army. NE¼NE¼ sec. 14, T. 21 N., R. 5 E. Drilled domestic artesian well in sand of Wilcox formation, diameter 8 inches, depth 504 feet, screen 421-502. Land-surface datum is 208.69 feet above msl. Highest water level 15.50 above lsd, Jan. 2, 1943; lowest 8.75 above lsd, Sept. 20, 1955. Records available: 1943, 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 16, 1954	+9.7	July 6, 1954	+11.5	Apr. 8, 1955	+9.3	Sept. 20, 1955	+8.75
Mar. 30	+9.7	Nov. 30	+9.0	July 26	+9.25	Nov. 9	+8.92

H113. J. W. Willis, Sr. NE¼SW¼ sec. 12, T. 21 N., R. 5 E. Drilled unused artesian well in Meridian sand member of Tallahatta formation, diameter 12 to 10 inches, depth 216 feet, screen 161-211. Land-surface datum is 216.70 feet above msl. Highest water level 11.04 below lsd, Feb. 16, 1954; lowest 12.08 below lsd, Nov. 9, 1955. Records available: 1954-55. May 18, 11.17; Nov. 9, 12.08.

Harrison County

G121. U. S. Fish and Wildlife Service. NE¼SW¼ sec. 17, T. 6 S., R. 11 W. Drilled unused artesian well in Graham Ferry formation, diameter 3 inches, depth 456 feet, screen 416-456. Land-surface datum is about 65 feet above msl. Highest water level 10.0 below lsd, Apr. 14, 1939; lowest 28.44 below lsd, Aug. 24, 1955. Records available: 1939, 1954-55.

Jan. 4	27.55	Feb. 25	25.06	Sept. 16	27.21	Nov. 23	27.57
18	25.60	Mar. 12	26.62	Nov. 6	26.81	Dec. 6	26.81
Feb. 1	25.29	Aug. 24	28.44				

L154. U. S. Post Office Department. Gulfport. NW¼NE¼ sec. 9, T. 8 S., R. 11 W. Drilled unused artesian well in Graham Ferry formation, diameter 3 inches, depth 1,262 feet, screen 1,232-1,262. Land-surface datum is 19.62 feet above msl. Highest water level 27.1 above lsd, Jan. 31, 1940; lowest 6.2 above lsd, Sept. 6, 1954. Records available: 1939-50, 1954-55. Jan. 18, +7.0; Feb. 28, +7.7; Mar. 29, +8.5; June 2, +9.4; Aug. 24, +8.0; Nov. 1, +7.1.

M120. City of Biloxi. 1332 West Howard Ave. Drilled unused artesian well in Graham Ferry formation, diameter 8 inches, depth 928 feet. Land-surface datum is 21.28 feet above msl. Highest water level 44 above lsd, 1903; lowest 30.85 below lsd, June 24, 1954. Records available: 1903, 1945-46, 1954-55.

Daily highest water level from recorder graph*

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Nov.
1	3.70	....	8.20	11.42	14.33	.....	.....	h13.21
2	3.47	6.50	8.18	10.23	14.48	17.81	.....	.....
3	3.26	6.50	9.13	10.00	15.47	18.48	.....	.....
4	2.96	6.37	8.90	10.99	16.70	18.43	.....	.....
5	3.72	6.15	8.41	11.40	17.48	17.48	.....	.....
6	4.38	5.34	8.48	12.08	18.22	16.74	.....	.....
7	5.20	5.58	.....	11.13	17.49	16.68	.....	.....
8	6.20	6.45	.....	10.70	17.72	17.74	.....	.....
9	5.94	7.40	8.60	9.12	18.12	17.94	.....	.....
10	6.27	6.83	8.45	9.12	18.62	17.14	.....	.....
11	6.69	7.57	8.80	9.43	18.98	17.10	.....	.....
12	....	7.67	9.48	10.07	19.38	16.00	.....	.....
13	....	7.53	9.27	10.48	18.34	15.71	.....	.....
14	7.70	7.53	8.67	10.28	17.70	16.38	.....	.....
15	7.62	7.75	10.19	10.57	17.70	.....	.....	.....
16	6.82	7.85	10.00	10.70	.....	.....	.....	.....
17	6.93	8.47	10.00	10.66	.....	.....	.....	.....
18	6.54	7.72	11.25	10.93	.....	.....	.....	.....
19	6.69	5.64	11.46	11.79	.....	.....	.....	.....
20	7.38	5.56	9.77	11.79	.....	.....	.....	.....
21	6.15	5.96	9.88	12.44	.....	.....	.....	.....
22	6.15	5.63	.....	11.14	.....	.....	.....	.....
23	6.28	6.60	9.95	11.07	.....	.....	.....	.....
24	6.43	7.19	10.00	11.37	.....	.....	h19.98	.....
25	6.19	7.36	10.47	12.06	.....	.....	.....	.....

M120--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	Aug.	Nov.
26	6.19	7.15	11.30	12.97	.....	.....	.....	.....
27	6.78	7.73	10.33	13.58	.....	.....	.....	.....
28	7.43	7.55	10.02	13.07	.....	.....	.....	.....
29	....		9.78	14.52	.....	.....	.....	.....
30	....		10.09	.....	.....	.....	.....	.....
31	.....		11.68		.....		.....	

* No record for July, September, October, and December.
h Tape measurement.

M169. C. F. Burkhardt. SW¼SW¼ sec. 25, T. 7 S., R. 10 W. Drilled domestic artesian well in Graham Ferry formation, diameter 3 inches, depth 720 feet. Land-surface datum is 27.42 feet above msl. Highest water level 19.4 above lsd, Mar. 23, 1939; lowest 17.1 below lsd, Sept. 27, 1952. Records available: 1939, 1942-46, 1948, 1950-54. No measurement made in 1955.

Hinds County

G125. Country Club of Jackson. SE¼SW¼ sec. 25, T. 6 N., R. 1 W. Drilled unused artesian well in Sparta sand, diameter 6 inches, depth 862 feet. Land-surface datum is 369.34 feet above msl. Highest water level 160 below lsd, 1928; lowest 230.3 below lsd, Sept. 13, 1955. Records available: 1928, 1944-55. Jan. 21, 224.2; Apr. 11, 222.5; May 12, 225.1; June 29, 226.5; Aug. 16, 228.6; Sept. 13, 230.3; Dec. 15, 227.9.

H121. Virginia-Carolina Chemical Co. NE¼NW¼ sec. 27, T. 6 N., R. 1 E. Drilled unused artesian well in Sparta sand, diameter 6 inches, reported depth 700 feet. Land-surface datum is 334.12 feet above msl. Highest water level 142.73 below lsd, Sept. 11, 1944; lowest 181.48 below lsd, Dec. 15, 1955. Records available: 1944-45, 1947, 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21	178.53	June 27	178.21	Aug. 16	178.46	Oct. 18	180.94
Mar. 30	178.02	July 25	178.42	Sept. 13	179.77	Dec. 15	181.48
May 31	177.82						

H160. Colonial Country Club. SE¼NE¼ sec. 7, T. 6 N., R. 2 E. Drilled unused artesian well in Sparta sand, diameter 6 inches, reported depth 700 feet. Land-surface datum is about 305 feet above msl. Highest water level 136.73 below lsd, Mar. 30, 1954; lowest 147.08 below lsd, Oct. 18, 1955. Records available: 1954-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	140.72	139.49	.....	138.30	139.34	140.54	141.71	.....	.....	.....	.....	.....
2	140.77	139.50	.....	138.21	139.40	140.58	141.77	.....	.....	.....	.....	.....
3	140.78	139.59	.....	138.29	139.43	140.57	141.88	.....	.....	.....	.....	.....
4	h149.83	139.54	.....	138.34	139.43	140.55	141.96	.....	.....	.....	.....	.....
5	.....	139.22	.....	138.43	139.57	140.59	141.92	.....	.....	h146.74	.....	.....
6	.....	139.22	.....	138.42	139.75	140.60	141.81	.....	.....	.....	.....	.....
7	.....	139.34	.....	138.46	139.74	140.65	141.77	.....	.....	.....	.....	.....
8	.....	139.33	.....	138.71	139.74	140.73	.....	.....	.....	.....	.....	.....
9	.....	139.24	.....	138.65	139.84	140.78	.....	.....	.....	.....	.....	.....
10	.....	139.13	.....	138.47	139.86	140.76	.....	.....	.....	.....	.....	.....
11	140.55	139.22	138.22	138.46	139.98	140.76	.....	.....	.....	.....	.....	.....
12	140.24	139.28	138.32	138.42	140.00	140.75	.....	.....	.....	.....	.....	.....
13	140.09	139.25	.....	138.03	140.03	140.85	.....	.....	.....	.....	.....	.....
14	139.96	139.10	.....	137.96	140.07	140.94	.....	.....	h146.20	.....	.....	.....
15	139.84	139.04	.....	137.90	140.14	141.00	.....	h145.45	.....	.....	.....	h144.55
16	139.83	138.87	138.33	137.90	140.01	140.95	.....	.....	.....	.....	.....	.....
17	139.75	138.81	138.28	137.93	140.04	140.96	.....	.....	.....	.....	.....	.....
18	139.63	138.76	138.27	137.94	140.02	140.97	.....	.....	.....	h147.08	.....	.....
19	139.82	138.74	138.28	137.97	140.02	141.19	.....	.....	.....	.....	.....	.....
20	139.75	138.72	138.22	137.98	140.07	141.33	.....	.....	.....	.....	.....	.....
21	139.64	138.70	138.05	138.01	140.13	141.40	.....	.....	.....	.....	.....	.....
22	139.63	138.57	138.13	138.05	140.17	141.48	.....	.....	.....	.....	h145.21	.....
23	139.63	138.53	138.22	138.09	140.16	141.54	.....	.....	.....	.....	.....	.....
24	139.59	138.50	138.23	138.17	140.07	141.71	.....	.....	.....	.....	.....	.....
25	139.68	138.51	138.16	138.23	140.07	141.36	.....	.....	.....	.....	.....	.....

H160--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	139.75	138.48	138.19	138.49	140.14	141.46	.....	.....	.....	.....	.....	.....
27	139.76	138.36	138.43	138.69	140.16	141.63	.....	.....	.....	.....	.....	.....
28	139.75	138.33	138.38	138.79	140.15	141.66	.....	.....	.....	.....	.....	.....
29	139.70		138.39	138.94	140.18	141.68	.....	.....	.....	.....	.....	h143.84
30	139.65		138.39	139.00	140.23	141.68	.....	.....	.....	.....	.....	.....
31	139.60		138.37		140.45		.....	.....		.....		.....

h Tape measurement.

N138. Mississippi Cotton Oil Co. Jackson. NE¼SW¼ sec. 4, T. 5 N., R. 1 E. Drilled unused artesian well in Sparta sand, diameter 4 inches, depth 730 feet. Land-surface datum is 282.16 feet above msl. Highest water level 104.10 below lsd, May 5, 1945; lowest 166.34 below lsd, Sept. 13, 1954. Records available: 1944-47, 1949-55. Near center of heavily pumped district. Aug. 15, 160.15. Measurement discontinued.

N139. Mississippi Cotton Oil Co. Jackson. NE¼SW¼ sec. 4, T. 5 N., R. 1 E. Drilled unused artesian well in Sparta sand, diameter 10 to 6 inches, depth 734 feet. Land-surface datum is 282.1 feet above msl. Highest water level 132.5 below lsd, Aug. 7, 1944; lowest 168.98 below lsd, Sept. 30, 1955. Records available: 1944, 1954-55. Near center of heavily pumped district.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	140.20	.....	140.50	146.19	149.89	157.40	156.41	153.51	164.57	165.61	151.57	146.71
2	139.11	.....	142.16	145.89	148.89	158.60	156.80	157.59	163.97	161.66	153.08	147.08
3	138.42	.....	143.60	144.65	151.85	159.11	154.64	159.24	162.45	160.43	152.98	148.12
4	140.40	.....	143.75	143.65	153.28	159.12	151.23	158.99	158.28	163.21	151.23	147.96
5	141.41	.....	144.40	145.60	154.30	154.81	150.47	159.31	157.11	164.70	149.81	146.83
6	142.75	.....	140.66	148.58	154.71	153.29	154.82	159.77	157.76	165.12	148.70	147.41
7	141.72	137.86	140.59	149.48	155.07	155.43	157.03	154.55	161.48	165.97	147.80	147.94
8	141.55	138.56	140.98	148.02	150.35	157.01	158.44	153.50	162.58	162.64	148.08	148.93
9	138.89	139.56	141.90	147.21	149.22	156.65	158.30	156.18	163.85	157.61	147.72	149.68
10	.....	140.04	142.80	143.98	153.50	156.61	153.62	157.31	164.00	156.21	147.74	147.78
11	.....	140.14	144.29	143.01	154.58	153.86	152.49	158.83	159.45	159.00	148.41	145.40
12	.....	139.12	144.42	145.59	155.46	151.69	156.91	159.37	158.40	160.22	149.62	144.55
13	.....	137.55	142.43	148.71	155.68	150.71	158.79	159.96	161.92	160.38	149.73	145.48
14	.....	137.02	143.00	147.33	155.63	154.27	159.61	154.98	163.50	158.69	148.94	146.05
15	.....	137.79	.....	147.84	151.23	157.01	158.93	153.91	164.25	157.34	152.20	146.78
16	.....	139.00	.....	148.46	150.18	157.51	158.50	157.85	164.68	154.50	154.66	146.76
17	.....	140.33	.....	147.21	153.42	157.24	153.73	158.71	163.59	153.12	152.48	145.66
18	.....	139.82	149.70	145.63	155.24	156.42	152.62	159.31	159.31	153.48	152.48	144.67
19	.....	139.56	147.56	149.09	155.25	152.08	157.26	159.56	158.33	153.04	151.57	144.93
20	.....	138.44	145.62	150.60	155.65	151.08	160.21	160.45	161.69	153.23	147.59	145.53
21	.....	137.80	144.34	150.09	155.45	154.23	161.40	155.60	164.20	154.75	146.47	146.10
22	.....	138.04	144.88	149.69	151.52	155.49	161.18	154.46	165.43	155.35	147.64	145.60
23	.....	138.43	144.23	150.41	150.70	156.03	.....	157.89	165.92	153.10	150.07	146.11
24	.....	139.10	145.16	148.28	153.73	156.26	.....	158.99	165.45	152.12	150.24	.....
25	.....	139.35	146.07	146.53	155.53	156.73	154.05	160.86	160.86	154.69	149.36	.....
26	.....	139.40	145.64	148.69	156.32	152.36	158.06	162.91	159.73	154.62	148.65	.....
27	.....	138.11	142.08	150.10	157.70	151.35	160.08	163.58	163.28	154.43	148.65	.....
28	.....	138.00	141.20	151.45	157.57	154.56	160.67	159.08	165.26	154.47	145.82	.....
29	.....		142.87	151.98	152.42	155.42	160.77	157.82	165.98	154.22	145.73	.....
30	.....		143.92	153.45	151.38	156.20	159.00	160.26	166.80	152.02	146.40	.....
31	.....		144.12		155.21		154.48	163.65		151.08		.....

Holmes County

P159. M. L. Smith. SE¼NW¼ sec. 8, T. 14 N., R. 1 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diameter 3 to 2 inches, depth 1,597 feet, screen 1,557-1, 597. Land-surface datum is 111.72 feet above msl. Highest water level 139.6 above lsd, July 31, 1941; lowest 114.4 above lsd, May 16, 1955. Records available: 1939-55. May 16, +114.4; July 26, +118.0; Nov. 3, +119.5.

Humphreys County

C110. Wister Henry. NW¼NE¼ sec. 35, T. 16 N., R. 3 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diameter 4 to 2 inches, depth 1,627 feet, screen 1,587-1,627. Land-surface datum is 115.21 feet above msl. Highest water level 114.3 above lsd, Feb. 1, 1941; lowest 87.2 above lsd, July 9, 1954. Records available: 1939-41, 1944-55. May 20, +92.5; Aug. 9, +92.3; Nov. 3, +91.0.

Jones County

G101. Masonite Corp. SE¼NW¼ sec. 8, T. 8 N., R. 11 W. Drilled unused artesian well in Catahoula sandstone, diameter 24 to 12 inches, reported depth 215 feet, screen 150-210. Land-surface datum is 216.0 feet above msl. Highest water level 82.25 below lsd, Feb. 22, 1940; lowest 141.34 below lsd, Apr. 16, 1948. Records available: 1940, 1948, 1950-55. Feb. 2, 118.44; Apr. 28, 128.38.

Q108. Town of Ovett. NE¼SW¼ sec. 18, T. 6 N., R. 10 W. Drilled unused artesian well in Catahoula sandstone, diameter 2 inches, depth 212 feet, cased to 30 feet. Land-surface datum is about 175 feet above msl. Highest water level 4.38 above lsd, Mar. 14, 1940; lowest 0.18 above lsd, July 14, 1955. Records available: 1940-55. Feb. 2, +0.55; Apr. 28, +0.55; July 14, +0.18.

Kemper County

E108. G. B. Luke. NW¼SW¼ sec. 6, T. 12 N., R. 18 E. Drilled unused artesian well in Eutaw formation, diameter 4 to 2 inches, depth 1,150 feet, perforations 1,050-1,150. Land-surface datum is about 190 feet above msl. Records available: 1955. Nov. 8, 7.27.

Lauderdale County

M102. U. S. Fish and Wildlife Service. NW¼SW¼ sec. 26, T. 6 N., R. 15 E. Drilled hatchery-supply artesian well in basal sands of Wilcox formation, diameter 10 to 8 inches, depth 728 feet, screen 693-728. Land-surface datum is about 290 feet above msl. Highest water level 3.16 above lsd, Feb. 3, 1955; lowest 1.42 above lsd, Nov. 9, 1955. Records available: 1955. Feb. 3, +3.16; May 26, +2.15; Aug. 31, +2.64; Nov. 9, +1.42; Dec. 15, +1.60.

Lee County

L101. U. S. Fish and Wildlife Service. NE¼NE¼ sec. 6, T. 10 S., R. 6 E. Drilled hatchery-supply well in Eutaw formation, diameter 6 inches, depth 412 feet. Land-surface datum is 262.3 feet above msl. Highest water level 47.11 below lsd, Apr. 15, 1948; lowest 74.56 below lsd, Mar. 5, 1954. Records available: 1948, 1950-55. Apr. 14, 78.70, nearby well pumped recently; July 27, 89.40, nearby well pumped recently; Nov. 9, 72.81.

Leflore County

D160. Mrs. D. B. Jameson. NW¼SW¼ sec. 31, T. 21 N., R. 1 W. Drilled domestic artesian well in Tallahatta formation, diameter 2 inches, depth 816 feet, cased to 816. Land-surface datum is 132.05 feet above msl. Highest water level 30 above lsd, 1919; lowest 5.2 above lsd, May 19, 1955. Records available: 1919, 1938-55. May 19, +5.2; Aug. 10, +6.3, Nov. 3, +6.8.

L136. A. P. Haynes. NE¼NW¼ sec. 12, T. 19 N., R. 1 E. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diameter 4 inches, depth 800 feet, screen 760-800. Land-surface datum is 131.30 feet above msl. Highest water level 38.7 above lsd, July 4, 1942; lowest 15.8 above lsd, Sept. 21, 1954. Records available: 1938-55. May 3, +18.4; July 26, +17.0; Nov. 3, +16.2.

L152. City of Greenwood. NE¼NW¼ sec. 15, T. 19 N., R. 1 E. Drilled unused artesian well in Tallahatta formation, diameter 6 inches, depth 660 feet, reported screened 620-640. Land-surface datum is 133.98 feet above msl. Highest water level 19.9 above lsd, Aug. 5, 1944; lowest 19.3 below lsd, June 27, 1948. Records available: 1938, 1940-50, 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	+6.72	Mar. 4	+7.23	May 16	+2.31	Sept. 7	-.28
Feb. 9	+7.32	16	+7.08	June 6	-.52	Nov. 30	+3.76
16	+6.87	May 3	+6.69				

Monroe County

C101. Town of Amory. NE¼SE¼ sec. 26, T. 12 S., R. 19 W. Drilled unused artesian well in Gordo formation of Tuscaloosa group, diameter 8 inches, reported depth 300 feet. Land-surface datum is about 240 feet above msl. Highest water level 1.05 above lsd, Mar. 23-24, 1955; lowest 2.52 below lsd, Aug. 25, 1954. Records available: 1954-55.

C101--Continued.

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

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	-0.70	....	-0.44	-0.54	-0.82	-0.93	-1.41	-1.13	-1.32	-1.51	-1.27	-0.70
2	.87	....	.51	.35	.62	1.01	1.34	1.29	1.60	1.58	1.26	.57
3	.78	....	.52	.49	.74	1.01	1.44	1.26	1.23	1.44	1.22	.83
4	.78	-1.01	.44	.42	.71	1.04	1.13	1.33	1.28	1.82	1.26	.85
5	.64	.70	.51	.44	.54	1.11	1.10	1.27	1.27	1.79	1.17	.80
6	.79	.53	.76	.41	.79	.86	1.21	1.40	1.30	1.86	1.27	.80
7	.89	.54	.84	.38	.70	.81	1.48	1.48	1.43	1.91	1.24	.96
8	.78	.61	.65	.44	.78	.98	1.33	1.10	1.35	1.80	1.37	.96
9	.85	.71	.60	.43	.67	.66	1.13	1.16	1.51	1.84	1.29	1.10
10	.70	.65	.45	.44	.95	.96	1.52	1.33	1.39	1.89	1.05	.89
11	.75	.66	.48	.27	.97	.87	1.20	1.33	1.57	1.87	1.41	.67
12	.79	.32	.58	.23	1.08	.84	1.52	1.20	1.40	1.82	1.50	.59
13	.68	.44	.65	-1.01	1.13	.81	1.49	1.17	1.44	1.54	1.60	.54
14	.33	.29	.47	+1.04	1.15	.93	1.35	1.38	1.50	1.45	1.56	.93
15	.65	.54	.53	-.15	1.11	.77	1.26	1.13	1.38	1.33	1.59	.96
16	.74	.52	.52	.29	.89	1.10	1.18	1.23	1.50	1.36	1.55	.69
17	.73	.65	.55	.23	.92	1.30	1.43	1.22	1.40	1.24	1.73	.73
18	.71	.67	.53	.26	.97	1.27	1.14	1.30	1.45	1.30	1.50	.59
19	.69	.57	.37	.50	1.02	1.36	1.35	1.66	1.32	1.40	1.18	.87
20	.76	.30	.39	.49	1.03	1.22	1.29	1.68	1.40	1.43	1.40	.55
21	.71	-.11	-.13	.40	.93	1.39	1.35	1.35	1.51	1.21	1.28	.70
22	.69	+.10	+.95	.51	.69	1.45	1.32	1.77	1.59	1.43	1.45	.54
23	.78	+.23	1.05	.38	.50	1.63	1.34	1.60	1.51	1.41	1.37	.45
24	.68	-.18	1.05	.35	.71	1.39	1.19	1.52	1.44	1.42	1.25	.78
25	.81	.36	+.50	.34	.70	1.32	1.12	1.59	1.60	1.48	1.03	.69
26	.85	.35	-.10	.49	.79	1.47	1.22	1.50	1.50	1.39	1.14	.60
27	.75	.33	+.08	.55	.88	1.10	1.45	1.58	1.61	1.30	1.15	.66
28	.29	.35	+.03	.55	.77	1.31	1.28	1.83	1.51	1.36	1.05	.69
29	.28		-.09	.67	.96	1.34	1.36	1.50	1.46	1.10	.75	.92
30	.42		.54	.69	.63	1.32	1.38	1.51	1.51	1.39	.75	.90
31	.32		.56		.82		1.53	1.34		1.26		.78

L101. City of Aberdeen. NW¼SW¼ sec. 26, T. 14 S., R. 7 E. Drilled unused artesian well in sand of Tuscaloosa group, diameter 6 inches, reported depth 400 feet. Land-surface datum is about 210 feet above msl. Highest water level 14.2 above lsd, Mar. 5, 1954; lowest 10.4 above lsd, Aug. 4, 1954. Records available: 1954-55. Feb. 4, +11.0; Apr. 14, +13.5; Nov. 9, +11.7.

O101. H. A. Craige. NW¼NW¼ sec. 3, T. 15 S., R. 6 E. Drilled unused artesian well in Eutaw formation, diameter 4 inches, reported depth 450 feet. Land-surface datum is about 330 feet above msl. Highest water level 132.90 below lsd, Jan. 13, 1954; lowest 136.94 below lsd, Nov. 9, 1955. Records available: 1954-55. Feb. 4, 135.15; Apr. 14, 135.74; July 27, 135.61; Nov. 9, 136.94.

Noxubee County

H115. Borden Food Products Co. NW¼NW¼ sec. 33, T. 15 N., R. 17 E. Drilled industrial artesian well in sand of Tuscaloosa group, diameter 10 inches, depth 1,807 feet. Land-surface datum is about 185 feet above msl. Highest water level 33.2 above lsd, Feb. 3, 1955; lowest 29.3 above lsd, Apr. 14, 1955. Records available: 1955. Feb. 3, +33.2; Apr. 14, +29.3; June 17, +32.0.

Oktibbeha County

G102. Mississippi State College. NE¼SW¼ sec. 1, T. 18 N., R. 14 E. Unused artesian well in Eutaw formation, diameter 6 inches, depth 1,008 feet. Land-surface datum is 380.95 feet above msl. Highest water level 176.14 below lsd, Apr. 3, 1941; lowest 187.54 below lsd, Mar. 18, 1954. Records available: 1940-48, 1954-55.

Daily highest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	184.63	184.45	184.31	184.17	184.25	184.40	184.55	184.46	185.44	185.76	185.46	185.23
2	184.65	184.32	184.27	184.13	184.25	184.40	184.57	184.47	185.49	185.77	185.46	185.21
3	184.58	184.33	184.25	184.15	184.27	184.40	184.57	184.50	185.53	185.77	185.56	185.18
4	184.52	184.52	184.25	184.17	184.27	184.36	184.54	184.53	185.60	185.71	185.80	185.23
5	184.52	184.34	184.27	184.20	184.25	184.34	184.45	184.54	185.68	185.69	185.50	185.30

G102--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	184.48	184.23	184.35	184.17	184.25	184.29	184.44	184.56	185.67	185.70	185.46	185.08
7	184.48	184.35	184.33	184.17	184.25	184.30	184.44	184.51	185.68	185.69	185.46	185.05
8	184.57	184.43	184.31	184.27	184.26	184.31	184.47	184.47	185.70	185.77	185.52	185.06
9	184.49	184.40	184.29	184.30	184.31	184.31	184.46	184.49	185.75	185.77	185.41	185.23
10	184.49	184.30	184.20	184.23	184.31	184.29	184.44	184.52	185.76	185.70	185.28	185.29
11	184.36	184.45	184.21	184.19	184.36	184.29	184.43	184.48	185.79	185.66	185.33	185.32
12	184.53	184.57	184.22	184.14	184.29	184.31	184.40	184.47	185.80	185.58	185.40	185.34
13	184.47	184.53	184.27	184.11	184.34	184.38	184.38	184.50	185.81	185.57	185.47	185.27
14	184.53	184.47	184.25	.....	184.39	184.32	184.43	184.53	185.85	185.52	185.40	185.28
15	184.47	184.35	184.25	184.10	184.37	184.32	184.40	184.56	185.81	185.54	185.32	185.31
16	184.42	184.33	184.27	184.12	184.36	184.34	184.38	184.52	185.80	185.51	185.32	185.22
17	184.41	184.40	184.36	184.12	184.36	184.34	184.38	184.53	185.83	185.47	185.56	185.18
18	184.39	184.34	184.42	184.14	184.36	184.34	184.48	184.54	185.82	185.41	185.44	185.18
19	184.28	184.33	184.40	184.12	184.36	184.35	184.45	184.61	185.78	185.39	185.45	185.24
20	184.50	184.34	184.36	184.12	184.36	184.37	184.43	184.65	185.78	185.39	185.53	185.24
21	184.48	183.97	184.31	184.06	184.37	184.39	184.40	184.72	185.76	185.57	185.44	185.22
22	184.41	183.96	184.30	184.01	184.38	184.39	184.40	184.75	185.76	185.58	185.36	185.09
23	184.43	184.16	184.25	183.93	184.38	184.40	184.40	184.83	185.76	185.64	185.36	185.03
24	184.46	184.30	184.20	183.92	184.28	184.41	184.38	184.89	185.76	185.66	185.39	185.06
25	184.42	184.31	184.06	183.98	184.28	184.42	184.38	184.98	185.78	185.67	185.35	185.09
26	184.53	184.35	184.20	184.09	184.29	184.48	184.40	185.06	185.80	185.68	185.29	185.17
27	184.53	184.28	184.41	184.10	184.30	184.51	184.42	185.11	185.82	185.67	185.29	185.19
28	184.51	184.27	184.36	184.10	184.31	184.50	184.43	185.18	185.76	185.64	185.33	185.26
29	184.50		184.35	184.14	184.34	184.52	184.40	185.22	185.69	185.59	185.42	185.31
30	184.51		184.35	184.24	184.35	184.51	184.40	185.24	185.71	185.51	185.47	185.30
31	184.51		184.32		184.36		184.43	185.33		185.50		185.24

Quitman County

G121. W. R. Harrington. NE¼NE¼ sec. 8, T. 27 N., R. 2 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 2½ inches, depth 1,589 feet, screen 1,536-1,577. Land-surface datum is about 165 feet above msl. Highest water level 38.1 above lsd, Dec. 26, 1941; lowest 15.6 above lsd, Oct. 15, 1953. Records available: 1939-54. Measurement discontinued.

Rankin County

F110. Town of Pelahatchie. NW¼SW¼ sec. 33, T. 6 N., R. 5 E. Drilled unused artesian well in sand of Cockfield formation, diameter 10 inches, depth 594 feet, screen 565-591. Land-surface datum is about 365 feet above msl. Highest water level 102.43 below lsd, Dec. 20, 1955; lowest 103.42 below lsd, Nov. 10, 1955. Records available: 1955. July 6, 108.60, nearby well pumped recently; Aug. 17, 107.20, nearby well pumped recently; Nov. 10, 103.42; Dec. 20, 102.43.

Sharkey County

G143. Formerly 43. Town of Cary. SE¼SW¼ sec. 9, T. 11 N., R. 7 W. Drilled unused artesian well in Sparta sand, diameter 2½ inches, depth 747 feet. Land-surface datum is about 100 feet above msl. Highest water level 21.6 above lsd, Feb. 10, 1939; lowest 0.11 below lsd, Nov. 4, 1955. Records available: 1939-40, 1955. Nov. 4, 0.11.

G145. Formerly 45. W. W. Moore. NE¼NE¼ sec. 29, T. 11 N., R. 7 W. Drilled domestic artesian well in Sparta sand, diameter 4 inches, depth 1,279 feet, screens 1,119-1,139, 1,211-1,260. Land-surface datum is about 102 feet above msl. Highest water level 53 above lsd, 1910; lowest 12.0 above lsd, Nov. 4, 1955. Records available: 1910, 1939, 1954-55. Feb. 10, 1939, +34.2; Mar. 25, 1954, +15.8; July 18, 1955, +13.3; Nov. 4, +12.0.

Sunflower County

H160. E. L. Coleman. NW¼SW¼ sec. 28, T. 21 N., R. 3 W. Drilled public-supply artesian well in Tallahatta formation, diameter 3 inches, depth 1,180 feet. Land-surface datum is 127.5 feet above msl. Highest water level 31.5 above lsd, July 27, 1940; lowest 16.5 above lsd, May 20, 1955. Records available: 1940-55. May 20, +16.5; Aug. 10, +18.0; Nov. 3, +19.5.

Tallahatchie County

H168. Town of Sumner. NW¼NE¼ sec. 11, T. 24 N., R. 2 W. Drilled unused artesian well in sand of Wilcox formation, diameter 8 to 4 inches, depth 1,680 feet, screen 1,600-1,680. Land-surface datum is 153.3 feet above msl. Highest water level 65.5 above lsd, May 1, 1944; lowest 48.9 above lsd, Nov. 15, 1951. Records available: 1939-55. May 19, +36.5, pumped recently; Aug. 10, +47.2, pumped recently; Nov. 3, +49.5, pumped recently.

S1. Mrs. Morris Freeman. SW¼NW¼ sec. 11, T. 22 N., R. 1 E. Driven domestic water-table well in alluvium of Pleistocene age, diameter 1¼ inches, depth 32 feet. Land-surface datum is 138.77 feet above msl. Highest water level 12.51 below lsd, June 23, 1955; lowest 19.50 below lsd, Dec. 21, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18	18.58	Apr. 8	14.42	Aug. 10	14.04	Oct. 12	16.54
Feb. 16	17.87	May 16	12.96	Sept. 7	14.64	Nov. 30	17.15
Mar. 16	16.88	June 23	12.51				

Tunica County

D101. Jacks & Garrott. SW¼SW¼ sec. 33, T. 4 S., R. 11 W. Drilled public-supply artesian well in sand of Wilcox formation, diameter 6 to 4 inches, depth 1,805 feet, screen 1,775-1,805. Land-surface datum is about 190 feet above msl. Highest water level 17.6 above lsd, Mar. 31, 1954; lowest 15.1 above lsd, Sept. 22, 1954. Records available: 1954-55. Feb. 3, +15.7; May 19, +15.8; Aug. 10, +15.3.

G117. G. D. Perry, Sr. SW¼SE¼ sec. 7, T. 5 S., R. 11 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 4 to 2 inches, depth 1,806 feet. Land-surface datum is 192.5 feet above msl. Highest water level 32.6 above lsd, Dec. 30, 1940; lowest 10.9 above lsd, Aug. 10, 1955. Records available: 1940-55. May 19, +12.3; Aug. 10, +10.9; Dec. 8, +11.7.

J101. L. D. Powell. NW¼NW¼ sec. 36, T. 6 S., R. 6 W. Drilled domestic artesian well in sand of Wilcox formation, diameter 3 to 2 inches, depth 1,796 feet, screen 1,766-1,796. Land-surface datum is about 176 feet above msl. Highest water level 30.3 above lsd, July 7, 1954; lowest 26.0 above lsd, Aug. 10, 1955. Records available: 1954-55. Aug. 10, +26.0; Dec. 8, +26.6.

Washington County

H101. J. A. Aldridge. SW¼SE¼ sec. 23, T. 17 N., R. 7 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diameter 4 inches, depth 1,805 feet. Land-surface datum is about 120 feet above msl. Highest water level 53.5 above lsd, Dec. 20, 1954; lowest 50.1 above lsd, July 8, 1954. Records available: 1954-55. Apr. 5, +53.0; July 19, +50.8; Nov. 4, +52.8.

L165. W. D. Atterbury. NE¼NE¼ sec. 25, T. 16 N., R. 7 W. Drilled domestic artesian well in Meridian sand member of Tallahatta formation, diameter 5 inches, depth 1,950 feet. Land-surface datum is 119.7 feet above msl. Highest water level 81.3 above lsd, Aug. 16, 1939; lowest 44.8 above lsd, July 1, 1953. Records available: 1939-55. Apr. 5, +62.9; July 18, +55.7; Nov. 4, +60.4

Q4. J. K. Greer. NE¼SW¼ sec. 7, T. 15 N., R. 5 W. Drilled unused water-table well in alluvium of Pleistocene age, diameter 15 inches, depth 107 feet, screen 82-107. Land-surface datum is about 100 feet above msl. Highest water level 14.27 below lsd, May 27, 1954; lowest 29.20 below lsd, Sept. 11, 1955. Records available: 1954-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	17.43	17.01	16.26	15.66	15.66	.....	20.80	28.05	22.44	20.38	.....
2	.....	17.58	17.02	16.20	15.67	15.63	.....	20.03	28.00	22.38	20.35	.....
3	.....	17.60	17.00	16.18	.....	h15.68	.....	24.65	.....	22.32	20.32	.....
4	.....	17.47	h17.02	16.19	h15.65	15.65	.....	20.75	28.10	22.26	20.29	.....
5	h17.85	17.40	17.01	16.20	15.63	15.62	.....	25.00	27.75	22.21	20.26	.....
6	17.97	17.30	17.09	16.15	15.63	15.75	.....	.....	27.85	22.18	20.23	.....
7	17.90	17.46	17.03	16.20	15.62	16.15	.....	25.30	28.52	22.15	20.20	h19.33
8	17.84	17.41	16.99	16.15	15.62	16.34	.....	25.80	28.57	22.12	20.16	19.31
9	17.86	17.32	16.93	16.16	15.61	16.48	.....	h26.39	28.66	22.06	20.10	19.29
10	17.83	17.30	16.89	16.00	15.63	16.63	.....	26.85	29.10	22.03	20.07	19.27

Q4--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	17.86	17.56	16.89	15.96	15.61	16.80	.....	27.03	28.06	21.98	20.05	19.26
12	17.85	17.56	16.92	15.84	15.60	16.97	.....	27.20	28.60	21.96	20.02	19.25
13	17.83	17.42	16.93	15.78	15.63	.....	.....	27.05	28.65	21.84	19.98	19.23
14	17.73	17.30	16.87	.....	15.64	.....	.....	27.20	28.70	21.70	19.95	19.21
15	17.71	17.27	16.87	.....	15.64	.....	.....	24.10	28.30	21.57	19.90	19.20
16	17.67	17.27	16.95	.....	15.64	.....	.....	27.35	27.95	21.46	19.93	19.18
17	17.68	17.26	16.84	.....	15.65	.....	.....	.....	28.20	21.37	19.87	19.16
18	17.53	17.21	16.88	.....	.....	h17.62	.....	26.90	28.55	21.30	19.82	19.14
19	17.96	17.20	16.87	h15.77	.....	17.60	.....	27.85	24.75	21.25	19.81	19.12
20	17.76	17.36	16.68	15.78	h15.68	17.60	.....	27.73	23.93	21.18	19.78	19.11
21	17.53	17.23	16.45	15.72	15.76	17.45	.....	24.70	23.48	21.10	19.73	19.10
22	17.63	17.20	16.88	15.70	15.85	17.36	.....	27.65	.....	21.03	19.70	19.08
23	17.61	17.20	16.63	15.70	15.84	17.36	.....	.....	.....	20.96	h19.73	19.07
24	17.54	17.22	16.63	15.73	15.75	17.25	.....	.....	.....	20.88	19.70	19.05
25	17.70	17.13	16.55	15.73	15.72	17.19	.....	.....	.....	20.81	19.67	19.03
26	17.58	17.05	16.43	15.72	15.70	17.21	.....	h28.20	.....	20.73	19.63	19.01
27	17.54	17.03	16.52	15.68	15.75	17.23	.....	25.00	.....	20.68	19.60	18.99
28	17.56	16.97	16.38	15.70	15.73	17.17	.....	28.30	h22.70	20.60	.....	18.97
29	17.60		16.40	15.75	15.70	17.16	h22.73	28.35	22.60	20.53	.....	18.95
30	17.60		16.36	15.63	15.68	17.30	23.80	28.38	22.52	20.47	.....	18.93
31	17.54		16.30		15.67		24.18	28.31		20.42		18.91

h Tape measurement.

S4. Agricultural Chemical Corp. SW¼SE¼ sec. 28, T. 14 N., R. 8 W. Drilled unused water-table well in alluvium of Pleistocene age, diameter 12 inches, depth 105 feet, screen 80-105. Land-surface datum is about 110 feet above msl. Highest water level 9.34 below lsd, May 16, 1954; lowest 19.45 below lsd, Aug. 21, 1954. Records available: 1954-55.

Daily noon water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	14.55	13.24	11.66	10.51	11.33	11.00	13.73	11.70	13.45	13.80	14.20	14.30
2	14.60	13.25	11.71	10.47	11.47	11.92	14.19	12.73	13.35	13.82	14.25	14.01
3	14.64	13.39	11.74	10.50	11.58	12.30	14.39	13.20	13.90	13.83	14.30	13.95
4	14.65	13.40	11.79	10.52	11.68	12.51	14.46	13.42	14.15	13.83	14.29	13.43
5	14.65	13.40	11.84	10.50	11.78	12.65	14.56	13.60	14.20	13.84	14.25	13.35
6	14.68	12.70	11.94	10.40	11.21	12.75	14.64	13.66	14.35	13.86	14.23	13.32
7	14.75	12.37	11.99	10.42	10.94	12.84	14.72	13.74	14.41	13.87	14.28	h13.30
8	14.75	12.29	12.01	10.44	10.88	12.59	14.76	13.80	14.04	13.94	14.30	13.37
9	14.74	12.21	12.01	10.44	10.90	12.50	14.81	13.90	13.60	13.94	14.26	13.52
10	14.44	12.16	12.02	10.40	10.95	12.40	14.86	14.00	13.50	13.94	14.24	13.60
11	14.34	12.15	12.07	10.10	11.02	12.42	14.95	14.05	13.45	13.94	.....	13.65
12	14.26	12.28	12.13	9.95	12.21	11.92	14.97	13.90	13.40	13.90	.....	13.71
13	14.30	12.33	12.20	9.53	12.67	11.70	13.44	13.95	13.40	13.92	14.42	13.73
14	14.32	12.36	12.24	9.50	12.99	12.25	12.41	14.02	13.40	13.93	14.42	13.76
15	14.25	12.34	12.26	9.50	13.18	12.48	11.71	14.10	13.39	13.95	14.39	13.87
16	13.95	12.35	12.34	9.52	13.13	12.57	.....	14.12	13.41	13.95	14.45	13.87
17	13.90	12.35	12.38	9.58	13.32	12.66	.....	14.08	13.45	13.98	14.52	13.86
18	13.88	12.45	12.38	9.63	13.09	12.75	.....	14.08	13.49	14.02	14.47	13.93
19	h13.37	12.60	12.41	9.67	13.53	12.85	11.01	13.90	13.50	14.07	14.48	14.03
20	13.21	12.61	12.15	9.75	h13.30	12.92	11.62	14.25	13.52	14.10	14.50	14.04
21	13.05	12.28	11.01	9.74	13.12	13.00	12.29	14.50	13.55	14.10	14.47	14.04
22	13.01	11.80	10.60	9.72	12.90	13.06	12.50	14.60	13.60	14.11	14.45	14.03
23	13.01	11.65	10.43	9.70	12.30	13.11	12.43	14.62	13.61	14.12	h14.47	14.03
24	13.00	11.60	10.33	9.78	11.20	13.14	12.44	14.66	13.65	14.16	14.50	14.07
25	13.07	11.57	10.28	9.89	10.50	13.30	12.55	14.70	13.71	14.15	14.35	14.14
26	13.10	11.57	10.41	9.95	10.25	13.83	12.69	h14.76	13.74	14.15	14.33	14.17
27	13.09	11.60	10.41	9.97	10.75	14.07	12.82	14.78	13.76	14.14	14.30	14.20
28	13.12	11.61	10.40	10.10	11.12	14.11	12.95	14.81	13.79	14.10	14.40	14.23
29	13.16		10.45	10.53	10.62	13.73	13.01	14.84	13.79	14.16	14.42	14.27
30	13.18		10.50	11.11	10.54	13.93	12.20	14.37	13.75	14.18	14.44	14.30
31	13.25		10.53		10.48		11.75	13.69		14.20		14.30

h Tape measurement.

Wilkinson County

T101. J. P. Kennedy. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in sand of Pascagoula formation, diameter 16 inches, depth 222 feet, screen 162-222. Land-surface datum is 353.5 feet above msl. Highest water level 43.0 below lsd, May 5, 1942; lowest 52.22 below lsd, Dec. 10, 1954. Records available: 1942, 1954-55. Jan. 18, 49.01; Apr. 26, 48.96; Aug. 23, 49.30.

T102. J. P. Kennedy. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in middle sand of Pascagoula formation, diameter 12 inches, depth 417 feet, screen 355-415. Land-surface datum is 356.4 feet above msl. Highest water level 128.4 below lsd, May 5, 1942; lowest 141.83 below lsd, Aug. 23, 1955. Records available: 1942, 1954-55. Jan. 18, 140.71; Apr. 26, 141.12; Aug. 23, 141.83.

T103. J. P. Kennedy. Sec. 17, T. 1 N., R. 1 E. Drilled unused artesian well in upper part of Catahoula sandstone, diameter 12 inches, depth 1,699 feet, screen 1,625-1,685. Land-surface datum is 356.4 feet above msl. Highest water level 238.1 below lsd, May 13, 1942; lowest 251.52 below lsd, Aug. 23, 1955. Records available: 1942, 1954-55. Jan. 18, 250.76; Aug. 23, 251.52.

Yazoo County

B1. Miss Josie Hollowell. SW¼NE¼ sec. 5, T. 13 N., R. 1 W. Driven domestic water-table well in alluvium of Pleistocene age, diameter 1¼ inches, depth 26 feet. Land-surface datum is about 105 feet above msl. Highest water level 10.52 below lsd, May 3, 1955; lowest 15.20 below lsd, Dec. 20, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 17	14.69	Mar. 25	13.32	May 16	10.70	Sept. 7	12.72
Feb. 16	14.19	Apr. 19	10.79	June 22	11.56	Oct. 10	13.35
Mar. 16	13.87	May 3	10.52	Aug. 9	12.21	Nov. 30	13.75

B102. Town of Eden. SE¼SW¼ sec. 8, T. 13 N., R. 1 W. Drilled municipal artesian well in Sparta sand, diameter 2 inches, depth 800 feet. Land-surface datum is 112.3 feet above msl. Highest water level 39.7 above lsd, 1919; lowest 4.03 above lsd, Nov. 3, 1955. Records available: 1919, 1939, 1943-55. Nov. 3, +4.03.

B103. Town of Eden. SE¼SW¼ sec. 8, T. 13 N., R. 1 W. Drilled public-supply artesian well in Meridian sand member of Tallahatta formation, diameter 4 to 2½ inches, depth 1,735 feet, screens 1,659-69, 1,689-99, 1,705-15. Land-surface datum is about 112 feet above msl. Highest water level 143.2 above lsd, January 1954; lowest 131.0 above lsd, Nov. 3, 1955. Records available: 1954-55. May 3, +133.0; July 26, +138.0; Nov. 3, +131.0.

G126. Formerly 26. Yazoo City. SW¼NE¼ sec. 32, T. 12 N., R. 2 W. Drilled unused artesian well in Sparta sand, diameter 6 inches, depth 801 feet. Land-surface datum is about 96 feet above msl. Highest water level 31.1 above lsd, Jan. 17, 1939; lowest 6.17 below lsd, Aug. 9, 1955. Records available: 1939, 1955.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	+6.50	Mar. 25	+6.23	June 22	+1.01	Oct. 10	-0.24
Feb. 9	6.33	Apr. 20	5.60	Aug. 9	-6.17	Nov. 23	-2.14
Mar. 4	6.40	May 16	4.32				

J128. Holly Bluff Consolidated School. SE¼SE¼ sec. 4, T. 11 N., R. 5 W. Drilled artesian well in Sparta sand, diameter 4 inches, depth 980 feet. Land-surface datum is about 103 feet above msl. Highest water level 38.7 above lsd, Aug. 17, 1939; lowest 15.2 above lsd, Nov. 4, 1955. Records available: 1939, 1954-55. Mar. 31, +17.4; May 20, +17.5; Aug. 9, +15.4; Nov. 4, +15.2.

NORTH CAROLINA

By H. E. LeGrand and Marjorie S. Reid

Scope of Water-Level Program

The observation-well program, begun in 1931, was continued in 1955. This program is a part of the investigations of the ground-water resources being conducted in cooperation with the North Carolina Department of Conservation and Development. Water-level measurements were made in 24 observation wells, 4 of which were measured daily. Figure 37 shows the location of these wells in North Carolina.

Precipitation

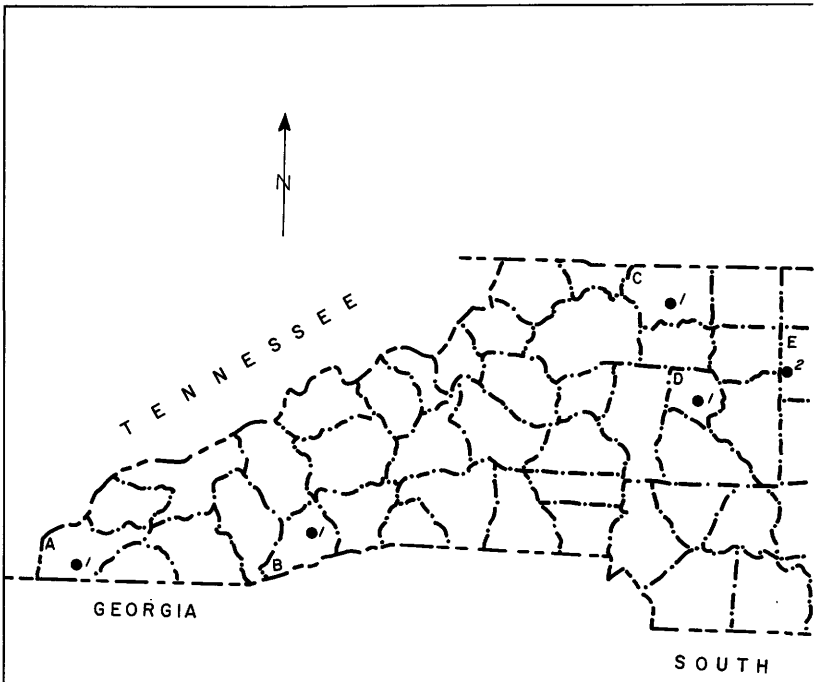
In 1955 the average precipitation at all Weather Bureau stations in the State was 49.14 inches, which was almost normal. This precipitation, however, was distributed over 2 very wet months (August and September), 1 slightly above normal (April), and 9 less than normal. Without the surplus accumulated during the two hurricane months, August and September, the year 1955 would have been drier, according to the Weather Bureau records, than any of the recent drought years except 1951. The path of the hurricanes was northward through the Coastal Plain; there were abnormal rises in the water table in their wake. In the Piedmont and Mountain sections, however, the average precipitation for 1955 was below normal. Because of the drought of 1954, the total precipitation in 1955 in the Piedmont and Mountain sections was not adequate to raise the water table to the normal level.

Interpretation of Water-Level Fluctuations

The Coastal Plain, the eastern two-fifths of the State, is one of two major ground-water provinces in North Carolina. It is underlain by beds of unconsolidated and semiconsolidated sands, clays, and limestones that dip gently toward the coast. Since the dip of the beds is slightly greater than the slope of the land surface, artesian water occurs in the sands and limestones beneath surficial sands and clays. Some of the observation wells penetrate these artesian aquifers; others penetrate surficial sands in which water-table conditions exist. The other major ground-water province represents the Piedmont and Mountain sections, the western three-fifths of the State. It is underlain by various igneous and metamorphic rocks. Ground water occurs in the clayey weathered rock that mantles the surface almost everywhere and in the fractures in the underlying bedrock. Although water occurs in two contrasting types of material, it is under water-table conditions in both. All the observation wells in the Piedmont and Mountain provinces end in the clayey weathered material.

In North Carolina a relationship exists between water levels and precipitation, but this relationship is not simple because factors other than precipitation affect the water levels. Most of the wells are far removed from pumped wells; consequently, the changes in their water levels are due to natural causes. It should be emphasized that withdrawal of ground water has had no widespread effect on the regional water level; this may be attributed either to the low water-yielding capacity of some of the deposits, to the great dispersion of population and consequent small withdrawal of water, or to a combination of these factors. The water levels measured are chiefly those of the water table, but some represent the piezometric surface expressing the artesian water level. Water-table wells generally respond much more quickly to rainfall in the Coastal Plain than in the Piedmont because the water table is generally nearer to the surface, and the surficial deposits are more permeable.

When precipitation is normal, the cycle of water-table fluctuations begins with a gradual rise, usually starting in December or January. The rise continues until April or May; then a decline begins. The decline continues, interrupted only by rises of short duration caused by summer rainstorms, until the end of the year. The water table rises in late winter and spring because very little water is lost by evaporation or is used by vegetation; thus, a relatively large part of the precipitation reaches the water table. Although the amount of rainfall is larger during the summer, little or no rainfall reaches the water table because of the large amount lost through evapotranspiration. The range in the fluctuation of artesian pressure is generally slight, except near areas of recharge and near areas where water is pumped from the same aquifer. In most of the artesian wells remote from wells being pumped, the pressure fluctuates less than 2 feet per year.



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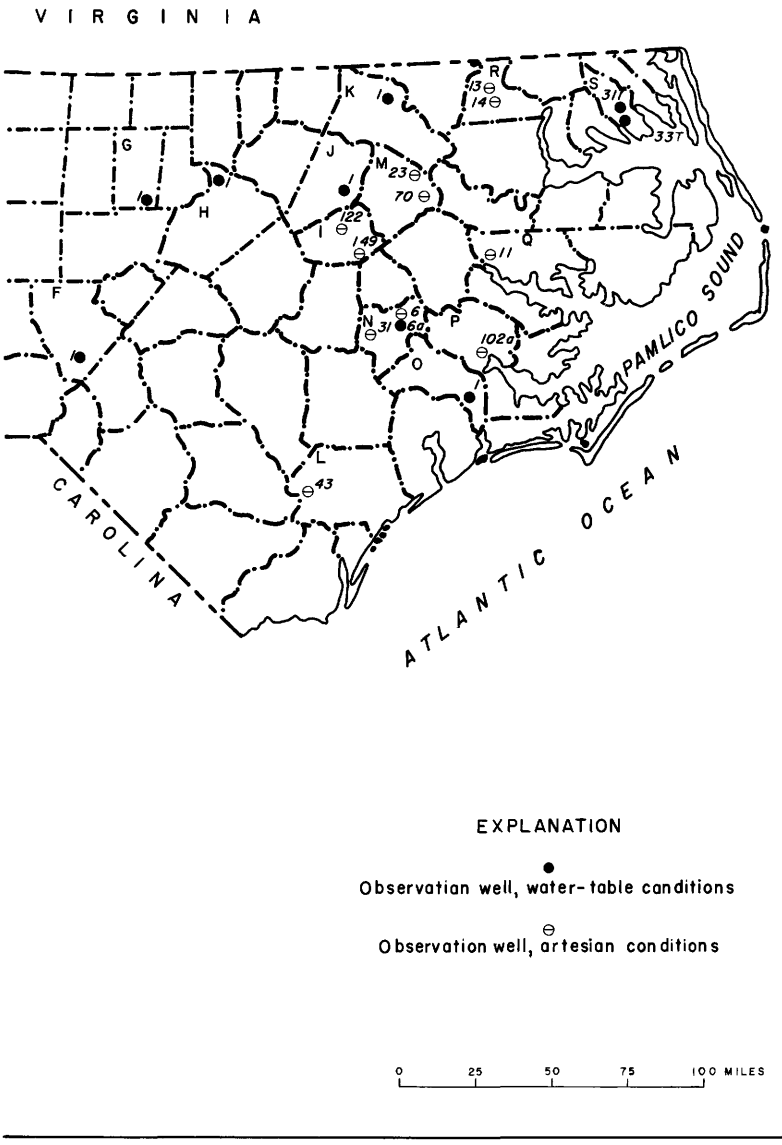
• Figure 37. --Location of observation



wells in North Carolina, 1955.

Well-Numbering System

The wells are numbered by counties, although the numbers are not related to any system of location within the counties.

Well Descriptions and Water-Level Measurements

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

Beaufort County

11. City of Washington. Lat. 35°32', long. 77°04'. Drilled unused artesian well in sand, diameter 8 inches, depth 129 feet, gravel-walled. Highest water level 6.52 below lsd, Aug. 30, 1950; lowest 10.83 below lsd, Aug. 27, 1948. Records available: 1948-55. June 22, 7.20; Sept. 28, 6.80; Dec. 20, 8.08.

Cherokee County

1. Elliott. First Baptist Church. Murphy. Lat. 35°06', long. 84°02'. Dug unused water-table well in weathered mica schist, diameter 4 feet, depth 51 feet, cribbed with brick. Highest water level 37.79 below lsd, Apr. 13, 1950; lowest 43.45 below lsd, Jan. 13-14, 1954. Records available: 1943-55.

Daily mean water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	43.24	43.14	42.26	41.40	40.58	40.56	40.78	40.99	40.98	41.30	41.59	41.72
2	43.25	43.12	42.22	41.37	40.57	40.57	40.79	40.99	40.99	41.32	41.59	41.72
3	43.25	43.12	42.20	41.32	40.56	40.57	40.80	41.00	40.99	41.35	41.58	41.73
4	43.25	43.12	42.18	41.31	40.54	40.58	40.81	41.00	41.00	41.38	41.60	41.70
5	43.24	43.12	42.13	41.30	40.51	40.58	40.82	40.99	41.01	41.38	41.60	41.65
6	43.24	42.90	42.10	41.23	40.50	40.57	40.82	40.99	41.01	41.38	41.61	41.65
7	43.24	42.60	42.08	40.93	40.50	40.56	40.82	40.98	41.01	41.38	41.61	41.64
8	43.24	42.70	42.06	40.98	40.50	40.55	40.83	40.95	41.01	41.22	41.61	41.63
9	43.24	42.77	42.03	41.04	40.50	40.56	40.85	40.94	41.03	41.32	41.61	41.64
10	43.24	42.77	42.00	41.05	40.51	40.58	40.86	40.93	41.03	41.36	41.62	41.65
11	43.23	42.76	41.95	41.01	40.51	40.59	40.87	40.93	41.04	41.38	41.62	41.66
12	43.23	42.76	41.92	40.98	40.51	40.59	40.89	40.92	41.05	41.38	41.62	41.65
13	43.23	42.76	41.90	40.95	40.50	40.61	40.91	40.91	41.08	41.36	41.63	41.64
14	43.23	42.74	41.88	40.91	40.50	40.62	40.92	40.92	41.12	41.35	41.64	41.63
15	43.22	42.70	41.85	40.89	40.50	40.64	40.93	40.93	41.12	41.37	41.64	41.61
16	43.22	42.68	41.82	40.86	40.51	40.65	40.93	40.93	41.12	41.39	41.65	41.60
17	43.21	42.66	41.80	40.83	40.51	40.66	40.94	40.92	41.12	41.40	41.65	41.59
18	43.21	42.65	41.78	40.81	40.51	40.66	40.96	40.91	41.13	41.41	41.66	41.56
19	43.20	42.63	41.75	40.78	40.52	40.66	41.00	40.91	41.12	41.44	41.66	41.56
20	43.21	42.62	41.73	40.75	40.52	40.67	41.00	40.93	41.12	41.48	41.67	41.55
21	43.20	42.60	41.70	40.72	40.53	40.68	41.00	40.95	41.15	41.50	41.67	41.54
22	43.19	42.58	41.61	40.69	40.53	40.69	41.00	40.93	41.18	41.50	41.68	41.52
23	43.18	42.31	41.60	40.66	40.52	40.69	41.00	40.93	41.19	41.51	41.68	41.49
24	43.17	42.24	41.60	40.63	40.51	40.70	40.98	40.93	41.20	41.51	41.68	41.48
25	43.17	42.32	41.58	40.60	40.51	40.71	40.97	40.93	41.22	41.52	41.69	41.48
26	43.17	42.34	41.56	40.60	40.52	40.71	40.98	40.94	41.26	41.52	41.69	41.48
27	43.16	42.32	41.55	40.60	40.53	40.72	40.99	40.95	41.29	41.53	41.70	41.48
28	43.16	42.30	41.52	40.60	40.53	40.74	40.99	40.96	41.29	41.54	41.70	41.48
29	43.15		41.49	40.60	40.54	40.76	40.98	40.96	41.29	41.52	41.71	41.48
30	43.15		41.47	40.60	40.54	40.77	40.98	40.96	41.29	41.53	41.71	41.46
31	43.15		41.44		40.55		40.99	40.97		41.55		41.44

Craven County

102a. City of New Bern. Lat. 35°07', long. 77°04'. Drilled observation artesian well in Trent marl, diameter 4 inches, depth 38 feet, cased to 38 feet. Highest water level 6.91 below lsd, July 28, 1950; lowest 18.00 below lsd, Sept. 4, 1952. Records available: 1947-55. Apr. 13, 15.39; June 15, 15.83; July 19, 15.20; Nov. 29, 13.86.

Davie County

1. Kurfee. Mocksville. Lat. 35°53', long. 80°34'. Dug unused water-table well in weathered granite, diameter 36 inches, depth 32 feet, lined with rock. Highest water level 15.19 below lsd, May 13, 1948; lowest 28.66 below lsd, Feb. 15, 1942. Records available: 1932-55.

1--Continued.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.98	24.56	23.30	22.66	21.30	21.79	22.87	24.11	24.98	25.55	26.42	26.85
2	24.96	24.53	23.28	22.63	21.30	21.80	22.92	24.15	25.00	25.60	26.44	26.85
3	24.94	24.52	23.27	22.59	21.29	21.81	22.96	24.18	25.02	25.69	26.45	26.85
4	24.90	24.52	23.20	22.59	21.27	21.83	23.00	24.22	25.05	25.77	26.48	26.85
5	24.88	24.52	23.16	22.61	21.25	21.84	23.04	24.25	25.07	25.82	26.50	26.85
6	24.85	22.76	23.12	22.60	21.24	21.87	23.08	24.29	25.09	25.87	26.52	26.86
7	24.83	22.00	23.10	22.55	21.25	21.90	23.14	24.31	25.11	25.90	26.55	26.87
8	24.82	23.01	23.10	22.56	21.26	21.91	23.21	24.34	25.14	25.84	26.57	26.88
9	24.80	23.52	23.09	22.58	21.30	21.96	23.28	24.38	25.17	25.89	26.59	26.88
10	24.79	23.82	23.06	22.59	21.32	22.03	23.32	24.40	25.19	25.94	26.61	26.89
11	24.77	23.87	23.02	22.56	21.33	22.04	23.16	24.42	25.21	25.98	26.64	26.89
12	24.76	23.92	23.00	22.54	21.34	22.07	23.28	24.47	25.23	26.00	26.66	26.90
13	24.75	23.95	22.99	22.51	21.34	22.14	23.39	24.50	25.27	26.02	26.68	26.91
14	24.75	23.91	22.99	20.95	21.34	22.18	23.46	24.55	25.29	26.04	26.70	26.92
15	24.75	23.84	22.99	21.42	21.37	22.24	23.49	24.59	25.31	26.06	26.71	26.93
16	24.74	23.81	22.96	21.71	21.40	22.28	23.52	24.61	25.33	26.09	26.73	26.93
17	24.74	23.74	22.95	21.75	21.40	22.32	23.58	24.56	25.36	26.11	26.74	26.93
18	24.74	23.71	22.94	21.73	21.43	22.36	23.62	24.50	25.39	26.13	26.76	26.94
19	24.73	23.68	22.91	21.66	21.45	22.39	23.65	24.62	25.41	26.16	26.76	26.95
20	24.73	23.65	22.89	21.59	21.47	22.42	23.68	24.68	25.44	26.18	26.77	26.95
21	24.72	23.62	22.89	21.54	21.51	22.46	23.72	24.71	25.47	26.20	26.78	26.95
22	24.62	23.58	22.83	21.48	21.53	22.50	23.75	24.74	25.51	26.22	26.78	26.95
23	24.56	23.56	22.83	21.44	21.50	22.54	23.78	24.76	25.55	26.24	26.79	26.95
24	24.61	23.50	22.84	21.36	21.54	22.59	23.83	24.79	25.58	26.24	26.79	26.95
25	24.62	23.47	22.80	21.27	21.55	22.62	23.87	24.82	25.62	26.26	26.79	26.96
26	24.63	23.47	22.75	21.31	21.61	22.66	23.91	24.84	25.66	26.29	26.80	26.96
27	24.63	23.45	22.75	21.32	21.64	22.72	23.95	24.86	25.69	26.31	26.80	26.96
28	24.62	23.41	22.75	21.32	21.67	22.76	23.98	24.89	25.72	26.34	26.81	26.97
29	24.60		22.72	21.32	21.67	22.80	24.00	24.91	25.76	26.35	26.82	26.97
30	24.59		22.72	21.31	21.67	22.84	24.04	24.93	25.77	26.37	26.84	26.98
31	24.59		22.69		21.73		24.08	24.96		26.40		26.99

Edgecombe County

23. John Lane. Speed. Lat. 35°58', long. 77°27'. Drilled domestic artesian well in sand of Tuscaloosa(?) formation, diameter 4 inches, depth 100 feet, cased to 100. Highest water level 0.17 below lsd, Sept. 27, 1955; lowest 12.18 below lsd, June 11, 1953. Records available: 1946-55. Jan. 25, 3.21; June 20, 4.49; Sept. 27, 0.17; Dec. 21, 5.20.

70. W. Z. Wilson. Coakley. Lat. 35°55', long. 77°25'. Drilled unused artesian well in sand of Tuscaloosa(?) formation, diameter 4 inches, depth 73 feet. Highest water level 37.95 below lsd, July 27, 1950; lowest 41.32 below lsd, Nov. 29, 1949. Records available: 1946-55. Jan. 23, 40.08; June 20, 38.89; Sept. 27, 39.79; Dec. 21, 38.56.

Guilford County

2. Lindale Dairy. High Point. Lat. 35°59', long. 79°58'. Dug unused water-table well in weathered granite, diameter 18 inches, depth 39 feet, lined with tile. Highest water level 23.92 below lsd, Mar. 5, 1937; lowest 30.06 below lsd, Feb. 13, 1942. Records available: 1934-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 1	26.91	May 30	25.58	Aug. 30	26.19	Oct. 26	25.80
20	26.46	June 29	26.07	Sept. 8	26.06	Nov. 24	26.28
Mar. 22	25.68	July 31	26.57	26	26.13	Dec. 24	26.49
May 1	25.43						

Halifax County

1. Freuler. Roanoke Rapids. Lat. 36°26', long. 77°40'. Dug unused water-table well in terrace sand and gravel, diameter 30 inches, depth 15 feet, lined with terra cotta. Highest water level 1.23 below lsd, Aug. 30, 1939; lowest 10.79 below lsd, Jan. 11, 1955. Records available: 1932-55.

Jan. 11	10.79	Apr. 26	8.51	May 24	9.26	Nov. 3	6.91
Feb. 15	10.42	May 10	9.28	July 22	10.25	Dec. 1	7.55
Mar. 29	8.94						

Hertford County

13. Town of Winton. Lat. 36°24', long. 76°56'. Drilled unused artesian well in sand, diameter 8 inches, depth 314 feet, gravel-walled. Highest water level 26.84 below lsd, Apr. 21, 1952; lowest 31.05 below lsd, Feb. 28, 1947. Records available: 1947-55. Jan. 25, 27.41; June 20, 26.54; Aug. 27, 27.60; Dec. 20, 27.56.

14. Town of Winton. Lat. 36°24', long. 76°56'. Drilled unused artesian well in sand of Cretaceous(?) and Eocene age, diameter 24 inches, 8-inch casing, depth 260 feet, gravel-walled. Highest water level 26.10 below lsd, Nov. 29, 1949; lowest 28.30 below lsd, May 15, 1946. Records available: 1946-54. Measurement discontinued.

Jones County

1. George E. Weeks. Maysville. Lat. 34°54', long. 77°14'., Dug unused water-table well in terrace sands, diameter 36 inches, depth 9 feet, cribbed with wood. Highest water level 0.4 below lsd, Jan. 27, 1954, Sept. 14, 1955; lowest 9.3 below lsd, Oct. 27-Dec. 1, 1954, June 8, 1955. Records available: 1941-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	6.7	Apr. 6	6.2	July 7	8.7	Oct. 12	3.1
12	6.7	13	6.8	27	6.7	19	3.4
18	6.1	20	7.0	Aug. 3	5.7	26	5.8
26	1.5	27	7.0	10	3.7	Nov. 2	6.0
Feb. 2	2.6	May 4	7.3	16	1.5	9	6.7
8	1.6	11	7.6	24	.9	16	7.0
16	1.9	18	7.1	31	2.0	23	6.7
23	3.3	25	7.8	Sept. 7	.9	30	3.5
Mar. 1	2.9	31	7.8	14	.4	Dec. 7	5.8
8	4.6	June 8	9.3	21	1.6	15	4.8
17	4.3	15	8.5	28	1.5	21	4.8
22	4.4	22	7.9	Oct. 4	2.8	28	6.6
30	5.4	30	8.0				

Lenoir County

6. Ernest L. Johnson. Lat. 35°20', long. 77°36'. Drilled observation artesian well in Peedee(?) formation, diameter 4 inches, depth 84 feet, cased to 82 feet. Highest water level 8.45 below lsd, Dec. 31, 1948; lowest 16.72 below lsd, Sept. 27, 1955. Records available: 1947-55. June 15, 16.02; Sept. 27, 16.72.

6a. Ernest L. Johnson. Lat. 35°20', long. 77°36'. Dug domestic water-table well in terrace sands, diameter 24 inches, depth 12 feet, lined with tile. Highest water level 5.19 below lsd, July 28, 1950; lowest 10.07 below lsd, Dec. 14, 1954. Records available: 1947-55. Apr. 13, 9.00; June 15, 9.88; Sept. 27, 6.86; Dec. 21, 9.43.

31. Town of Kinston. Lat. 35°16', long. 77°37'. Drilled unused artesian well in Black Creek formation, diameter 1¼ inches, depth 300 feet. Highest water level 3.96 above lsd, Feb. 26, 1948; lowest 2.48 below lsd, Aug. 10, 1954. Records available: 1947-55. Apr. 13, 0.99; June 15, 1.43; July 19, 1.41; Sept. 27, 1.58; Nov. 30, 1.87.

Moore County

1. Pure Oil Station. Pinebluff. Lat. 35°06', long. 79°28'. Dug unused water-table well in Tuscaloosa(?) formation, diameter 24 inches, depth 47 feet, cribbed with brick. Highest water level 31.87 below lsd, Jan. 23, 1954; lowest dry several times, 1951-52. Records available: 1944-55.

Daily mean water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.33	40.48	36.69	41.10	34.55	39.19	42.96	45.06	46.02	46.41	46.46	46.38
2	41.47	40.37	36.89	41.20	34.69	39.31	43.06	45.10	46.04	46.41	46.46	46.38
3	41.62	40.35	37.09	41.29	34.84	39.44	43.16	45.13	46.05	46.42	46.45	46.37
4	41.75	40.35	37.26	41.39	34.98	39.58	43.26	45.17	46.07	46.43	46.45	46.35
5	41.88	40.38	37.44	41.50	35.13	39.71	43.32	45.19	46.09	46.43	46.44	46.33
6	41.99	40.42	37.62	41.60	35.31	39.85	43.43	45.23	46.12	46.43	46.43	46.32
7	42.13	38.36	37.78	41.68	35.51	39.99	43.53	45.27	46.13	46.43	46.42	46.31
8	42.26	34.33	37.95	41.78	35.70	40.13	43.61	45.31	46.14	46.43	46.41	46.26
9	42.37	33.36	38.10	41.88	35.92	40.26	43.69	45.35	46.17	46.43	46.40	46.25
10	42.49	33.48	38.23	41.96	36.12	40.41	43.77	45.39	46.19	46.43	46.39	46.25

1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	42.59	33.62	38.34	42.04	36.31	40.55	43.84	45.42	46.20	46.43	46.38	46.23
12	42.70	33.85	38.50	42.12	36.52	40.68	43.92	45.45	46.21	46.43	46.38	46.22
13	42.80	34.01	38.63	42.20	36.71	40.81	43.99	45.49	46.24	46.43	46.38	46.21
14	42.90	34.09	38.76	38.74	36.87	40.95	44.06	45.53	46.25	46.41	46.38	46.19
15	43.00	34.17	38.87	33.52	37.05	41.08	44.13	45.57	46.26	46.40	46.37	46.16
16	43.09	34.26	38.96	32.88	37.21	41.22	44.20	45.60	46.27	46.40	46.37	46.14
17	43.18	34.35	39.09	33.16	37.37	41.35	44.26	45.63	46.29	46.40	46.36	46.13
18	43.28	34.49	39.21	33.33	37.53	41.48	44.32	45.66	46.30	46.40	46.36	46.11
19	43.35	34.66	39.34	33.46	37.68	41.60	44.39	45.69	46.31	46.41	46.36	46.09
20	43.46	34.83	39.49	33.61	37.82	41.72	44.45	45.73	46.31	46.42	46.36	46.08
21	43.54	35.01	39.63	33.71	37.96	41.84	44.50	45.76	46.32	46.44	46.36	46.07
22	43.61	35.20	39.75	33.80	38.09	41.95	44.56	45.79	46.33	46.45	46.36	46.06
23	43.68	35.37	39.90	33.88	38.20	42.08	44.61	45.81	46.34	46.47	46.36	46.05
24	43.73	35.61	40.04	33.94	38.31	42.19	44.66	45.83	46.35	46.47	46.36	46.04
25	43.49	35.84	40.18	34.01	38.42	42.30	44.70	45.86	46.36	46.48	46.36	46.03
26	42.99	36.08	40.30	34.09	38.54	42.42	44.76	45.89	46.38	46.48	46.36	46.02
27	42.39	36.28	40.47	34.17	38.65	42.54	44.83	45.91	46.39	46.48	46.36	46.02
28	41.78	36.50	40.61	34.25	38.76	42.65	44.87	45.93	46.40	46.48	46.36	46.02
29	41.25		40.73	34.32	38.87	42.76	44.92	45.95	46.40	46.47	46.36	46.02
30	40.89		40.86	34.44	38.96	42.86	44.96	45.97	46.40	46.46	46.37	46.01
31	40.65		40.99		39.07		45.02	46.01		46.46		46.00

Nash County

1. Linzey Alston. Lat. 35°52', long. 77°56'. Dug observation water-table well in sands and gravels, diameter 30 inches, depth 25 feet, lined with tile. Highest water level 0.50 below lsd, Jan. 19, 1946; lowest 16.01 below lsd, Feb. 3, 1934. Records available: 1932-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 15	13.76	Apr. 16	9.42	July 16	10.32	Oct. 8	4.97
22	13.79	23	9.58	23	10.54	15	6.60
31	10.05	30	9.87	30	10.95	22	7.57
Feb. 5	6.03	May 6	10.25	Aug. 6	10.45	29	7.98
12	6.68	14	10.65	13	1.65	Nov. 5	8.78
19	8.84	21	10.99	20	1.05	12	8.88
26	9.70	28	10.90	27	4.65	19	8.78
Mar. 5	9.74	June 4	10.47	Sept. 3	6.42	26	8.70
12	9.29	11	10.28	10	4.95	Dec. 3	8.76
19	9.35	18	10.45	17	5.51	16	8.96
26	8.02	25	10.62	24	2.36	17	9.19
Apr. 2	8.70	July 2	10.23	Oct. 1	3.23	24	9.42
9	9.10	9	10.33				

Orange County

1. McCauley. Chi Psi Fraternity in Chapel Hill. Lat. 35°55', long. 79°04'. Dug unused water-table well in granite, diameter 36 inches, depth 48 feet, lined with rock. Highest water level 38.48 below lsd, Mar. 29, 1946; lowest 46.41 below lsd, Jan. 21, 1952. Records available: 1938-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31	45.34	Apr. 26	45.41	July 25	46.04	Oct. 10	45.84
Feb. 7	45.17	May 2	45.41	Aug. 1	46.16	17	45.83
14	44.97	9	45.39	8	46.32	24	45.88
21	44.97	16	45.33	15	46.34	31	45.92
28	44.83	23	45.31	29	46.10	Nov. 7	45.96
Mar. 7	44.76	30	45.34	Sept. 6	45.91	21	46.04
14	44.71	June 13	45.46	12	45.92	28	46.08
21	44.60	20	45.53	19	45.90	Dec. 5	46.15
28	45.75	July 4	45.77	26	45.88	12	46.22
Apr. 4	45.74	11	45.83	Oct. 3	45.82	19	46.30
11	45.69	18	45.91				

Pasquotank County

31T. Elizabeth City. Lat. 36°18', long. 76°17'. Dug unused water-table well in sands of Pleistocene age, diameter 18 inches, depth 8 feet, lined with tile. Highest water level 0.05 below lsd, Nov. 1, 1949; lowest 8.00 below lsd, Dec. 21, 1943. Records available: 1935-55.

31T--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	7.64	Apr. 6	4.26	July 6	6.06	Oct. 5	1.36
12	7.52	13	4.82	13	6.29	12	1.99
19	7.51	20	4.92	20	6.49	19	2.24
25	7.38	27	5.18	27	6.62	25	2.81
Feb. 2	6.99	May 4	5.49	Aug. 3	6.74	Nov. 2	3.10
9	6.12	11	5.65	10	6.92	9	3.48
16	6.98	18	5.67	'7	2.33	17	3.75
23	6.94	25	5.81	24	3.30	25	3.17
Mar. 2	6.19	June 1	5.97	31	1.33	Dec. 1	3.25
9	4.21	8	6.03	Sept. 7	.46	7	3.39
16	4.68	15	6.16	14	.54	14	3.13
23	3.95	22	6.23	21	.25	22	3.45
30	3.96	29	5.89	28	.49	27	3.99

33T. Elizabeth City. Lat. 36°18', long. 76°15'. Drilled observation water-table well in sand, diameter 6 inches, depth 20 feet. Highest water level 1.38 below lsd, Mar. 31, 1946; lowest 17.03 below lsd, Oct. 28, 1942. Records available: 1938-51, 1953-55. June 20, 12.25.

Pender County

43. Rooks Colored Church. Near Currie. Lat. 34°29', long. 78°04'. Drilled artesian well in Peedee formation, diameter 3 inches, depth 140 feet, cased to 135. Highest water level 3.59 below lsd, Mar. 10, 1954; lowest 6.06 below lsd, Aug. 24, 1954. Records available: 1954-55. Mar. 14, 4.26; Apr. 26, 4.39; May 24, 5.30.

Surry County

1. A. D. Terrell. Lat. 36°20', long. 80°43'. Dug domestic water-table well in weathered granite, diameter 5 feet, depth 55 feet, cribbed with rock. Highest water level 39.10 below lsd, Sept. 7, 1949; lowest 48.88 below lsd, Feb. 28, 1942. Records available: 1938-47, 1949-55.

Jan. 5	48.07	Apr. 24	48.37	June 29	48.39	Sept. 26	47.99
16	48.22	May 8	48.39	July 10	48.37	Oct. 9	47.89
30	48.34	9	48.39	19	48.25	18	47.85
Feb. 20	47.15	15	48.39	25	48.28	30	47.85
Mar. 6	48.35	24	48.39	Aug. 7	48.29	Nov. 11	47.85
13	48.35	29	48.39	15	48.25	24	47.87
20	48.38	June 5	48.39	27	48.11	Dec. 7	47.95
27	48.39	12	48.11	Sept. 9	48.09	16	48.05
Apr. 2	48.39	19	48.37	16	48.05	24	48.11
14	47.91						

Transylvania County

1. C. F. Baldwin. Blantyre. Lat. 35°17', long. 82°38'. Dug unused water-table well in granite, diameter 5 feet, depth 50 feet, lined with rock. Highest water level 27.65 below lsd, May 28, 1946; lowest 41.32 below lsd, Dec. 25-27, 1954, Jan. 2-3, 7, 1955. Records available: 1932-55.

Daily mean water level from nonrecording gage

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	41.31	40.72	39.40	37.94	36.57	35.31	34.47	34.22	34.44	35.78	37.37	38.61
2	41.32	40.70	39.35	37.87	36.52	35.26	34.46	34.22	34.47	35.83	37.42	38.64
3	41.32	40.69	39.30	37.83	36.48	35.22	34.45	34.22	34.49	35.90	37.47	38.66
4	41.31	40.65	39.25	37.82	36.44	35.20	34.42	34.21	34.53	35.95	37.50	38.68
5	41.30	40.59	39.21	37.78	36.39	35.16	34.41	34.21	34.55	35.99	37.54	38.72
6	41.29	40.50	39.14	37.70	36.33	35.13	34.39	34.21	34.57	36.05	37.59	38.75
7	41.32	40.40	39.14	37.66	36.31	35.08	34.36	34.20	34.60	36.10	37.63	38.77
8	41.31	40.30	39.10	37.63	36.25	35.05	34.36	34.21	34.65	36.17	37.69	38.81
9	41.29	40.20	39.03	37.62	36.23	35.02	34.35	34.20	34.69	36.23	37.72	38.84
10	41.29	40.19	38.99	37.57	36.19	34.99	34.34	34.21	34.73	36.29	37.73	38.90
11	41.27	40.15	38.92	37.52	36.14	34.96	34.33	34.19	34.74	36.32	37.80	38.92
12	41.26	40.15	38.90	37.46	36.10	34.93	34.33	34.19	34.81	36.36	37.86	38.95
13	41.25	40.14	38.85	37.36	36.03	34.91	34.33	34.19	34.86	36.40	37.89	38.97
14	41.23	40.04	38.80	37.29	35.98	34.87	34.32	34.23	34.89	36.43	37.92	38.99
15	41.21	40.01	38.73	37.27	35.96	34.86	34.30	34.23	34.93	36.50	37.94	39.02

1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	41.20	40.00	38.71	37.25	35.94	34.84	34.29	34.22	34.96	36.56	37.96	39.06
17	41.18	39.96	38.64	37.22	35.89	34.81	34.29	34.22	35.01	36.59	38.07	39.11
18	41.16	39.92	38.59	37.20	35.85	34.79	34.28	34.23	35.05	36.69	38.09	39.13
19	41.13	39.85	38.57	37.17	35.82	34.74	34.27	34.27	35.07	36.74	38.10	39.16
20	41.11	39.83	38.55	37.05	35.78	34.72	34.27	34.27	35.15	36.81	38.12	39.17
21	41.09	39.79	38.46	37.01	35.74	34.69	34.26	34.28	35.19	36.84	38.18	39.19
22	41.03	39.74	38.38	36.99	35.70	34.66	34.25	34.28	35.25	36.89	38.24	39.20
23	41.02	39.69	38.29	36.95	35.65	34.64	34.25	34.28	35.31	36.95	38.30	39.24
24	41.00	39.65	38.26	36.86	35.61	34.62	34.23	34.30	35.37	36.97	38.36	39.28
25	40.96	39.59	38.21	36.82	35.56	34.60	34.23	34.32	35.44	37.01	38.37	39.32
26	40.94	39.53	38.18	36.81	35.52	34.57	34.23	34.35	35.51	37.06	38.41	39.37
27	40.87	39.48	38.16	36.75	35.49	34.55	34.23	34.35	35.57	37.12	38.41	39.37
28	40.86	39.45	38.09	36.70	35.44	34.53	34.23	34.36	35.61	37.16	38.45	39.38
29	40.84		38.05	36.68	35.39	34.52	34.23	34.38	35.66	37.18	38.52	39.39
30	40.81		38.01	36.63	35.37	34.50	34.23	34.40	35.69	37.22	38.57	39.39
31	40.79		37.99		35.34		34.23	34.42		37.30		39.44

Wake County

1. Fishdam. Near Northside. Lat. 36°04', long. 78°45'. Dug observation water-table well in flood-plain deposits, diameter 4 feet, depth 25 feet, cribbed with rock. Highest water level 2.55 below lsd, May 12, 1937; lowest 16.24 below lsd, Jan. 18, 1942. Records available: 1932-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	7.54	Mar. 26	4.59	June 19	10.50	Oct. 9	6.22
8	7.36	Apr. 2	5.47	26	10.31	16	5.72
16	7.10	9	6.16	July 3	10.65	23	6.16
23	6.86	18	5.85	10	10.81	31	6.44
30	6.42	24	5.50	17	10.92	Nov. 6	7.10
Feb. 6	6.78	May 1	6.10	24	11.50	13	6.87
13	5.37	8	6.50	31	11.12	20	6.36
20	5.76	15	7.32	Aug. 28	8.50	27	5.90
27	5.43	22	7.98	Sept. 4	7.82	Dec. 4	5.98
Mar. 6	4.80	29	8.45	11	6.98	11	6.33
13	5.28	June 5	9.50	19	7.46	18	6.61
20	5.20	12	9.40	24	7.38		

Wilson County

122. M. P. Whitley. Near Wilson. Lat. 35°42', long. 77°57'. Drilled domestic artesian well in sand of Tuscaloosa formation, diameter 6 inches, depth 212 feet, cased to 211. Highest water level 12.31 below lsd, Feb. 26, 1948; lowest 22.86 below lsd, Dec. 28, 1951. Records available: 1947-55. July 19, 17.87; Sept. 27, 17.25.

149. Town of Stantonsburg. Lat. 35°36', long. 77°49'. Drilled municipal artesian well in sand of Tuscaloosa formation, diameter 6 inches, depth 151 feet, cased to 151. Highest water level 19.31 below lsd, Nov. 26, 1947; lowest 26.10 below lsd, Nov. 16, 1954. Records available: 1947-55. June 23, 25.86; July 19, 26.07; Sept. 27, 24.74; Dec. 21, 24.90.

SOUTH CAROLINA

By George E. Siple

Scope of Water-Level Program

The observation-well program, begun in 1946, was continued during 1955 as part of the cooperative ground-water program with the South Carolina State Development Board. Periodic water-level measurements were made in 19 wells in the Coastal Plain province with either a wetted tape, pressure gage, or manometer tube. Six wells were equipped with recording gages during all or part of 1955. Three new observation wells were added to the program during the year. Figure 38 shows the location of observation wells. Recording-gage data and periodic water-level measurements included as part of a project investigation are available from either the open file or special reports.

Precipitation

During 1955 precipitation over the entire State averaged 42.45 inches or 90 percent of normal. Although there was above-normal rainfall in January, there was a deficiency in February and March. The monthly averages for April and May were above normal because of heavy thunderstorms, but the middle of the period was very dry. From June through August, precipitation was 85 percent of normal as compared with 50 percent of normal for the same period in 1954. Three hurricanes brought heavy rains to the Coastal Plain region during August and September. The deficiency in rainfall from October through December caused a drought culminating in December when 0.83 inch for the month set a record for this century. The statewide deficiency of 4.72 inches made 1955 the sixth consecutive year of deficient precipitation. Figure 39 shows the 1955 monthly average precipitation throughout the State as compared with the normal distribution of rainfall.

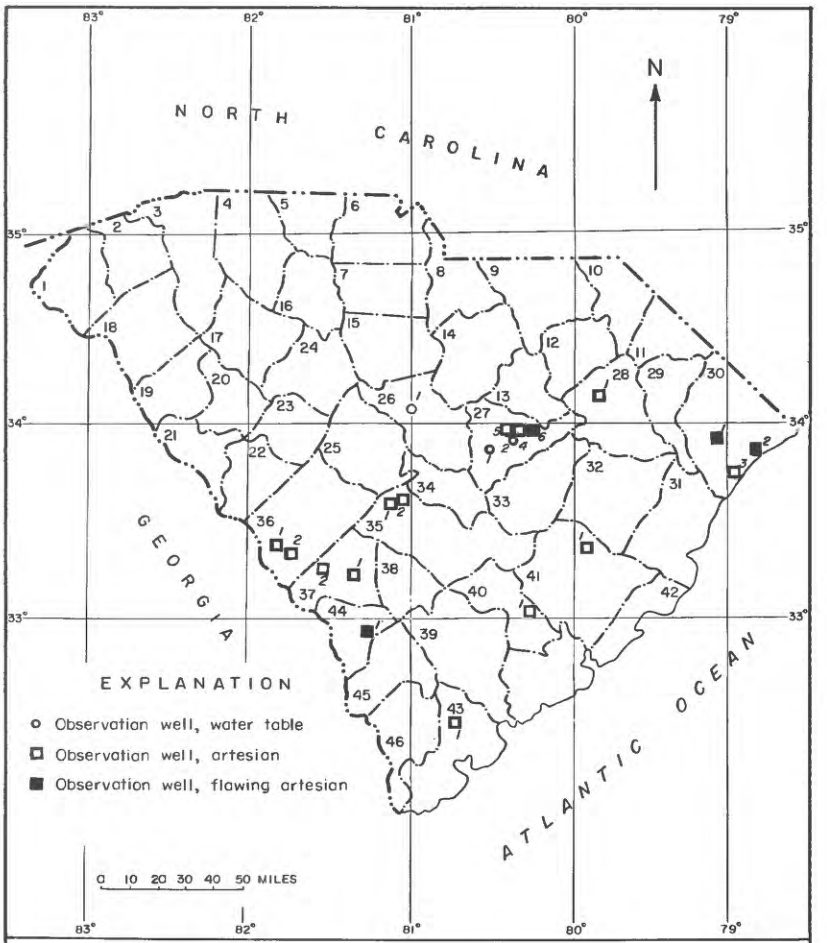
Interpretation of Water-Level Fluctuations

The aquifers in the South Carolina Coastal Plain province consist of deposits of sand, gravel, marl, and limestone, ranging in age from Late Cretaceous to Recent. They crop out in belts from 10 to 40 miles wide, strike in a northeast-southwest direction, and dip to the south and southeast from 8 to 30 feet per mile. Water-table aquifers, consisting of shallow deposits of sand or limestone, extend throughout the Coastal Plain. Artesian aquifers in most of the area are at depths of 100 to 3,400 feet.

In general, the water-level fluctuations in the water-table aquifers are more or less cyclical. Water levels rise normally during late autumn or early winter when evapotranspirational losses are small and decline from late spring throughout the summer when evapotranspirational losses are large. Peak stages are reached usually in midspring, low stages in midsummer.

Figure 40 shows the 1955 monthly water levels in well AL-1 compared with the monthly high and low stages during the period 1946-54. This graph shows that many monthly measurements during 1955 were record lows. The pressure at the well head has varied from 14 5/8 pounds per square inch when it was first measured in October 1946 to 11 5/8 per square inch in December 1955. AL-1 is an artesian well in sand of Late Cretaceous age.

The water levels in wells SU-1 and SU-2, reflecting water-table conditions, respond substantially to changes in precipitation. The water level in SU-1 is not affected by pumping. Though the water level in well SU-2 is affected by pumping, a state of near equilibrium has been reached. Thus, even though the well is in an area of pumping, the response of its water level to the effects of natural discharge and recharge is not obscured by the effects of pumping. New record lows in both SU-1 and SU-2 reflect the more than 10-inch rainfall deficiency in that area. The water level in well HO-3 rose 4.5 feet in response to heavy rainfall in September—14.98 inches as measured at Myrtle Beach. Figure 41 shows the hydrograph of monthly water levels in this well during the period 1947-55. Although the water levels in wells SU-1 and SU-2 were lower than in previous years, that in HO-3 was only slightly below average for the first half of 1955 and was higher than average in the last half because of the heavy rains.



INDEX TO COUNTIES

1 Oconee	13 Lee	25 Lexington	36 Aiken
2 Pickens	14 Kershaw	26 Richland	37 Barnwell
3 Greenville	15 Fairfield	27 Sumter	38 Bamberg
4 Spartanburg	16 Union	28 Florence	39 Colleton
5 Cherokee	17 Laurens	29 Marion	40 Dorchester
6 York	18 Anderson	30 Horry	41 Berkeley
7 Chester	19 Abbeville	31 Georgetown	42 Charleston
8 Lancaster	20 Greenwood	32 Williamsburg	43 Beaufort
9 Chesterfield	21 McCormick	33 Clarendon	44 Allendale
10 Marlboro	22 Edgefield	34 Calhoun	45 Hampton
11 Dillon	23 Saluda	35 Orangeburg	46 Jasper
12 Darlington	24 Newberry		

Figure 38. --Location of observation wells in South Carolina, 1955.

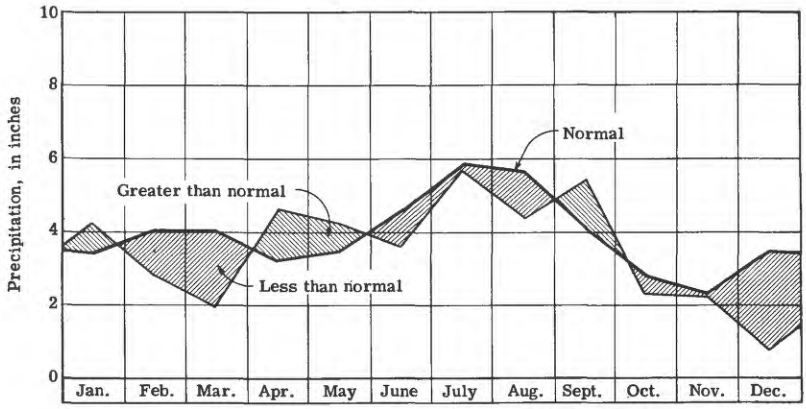


Figure 39. --Average monthly precipitation in South Carolina during 1955 compared with normal.

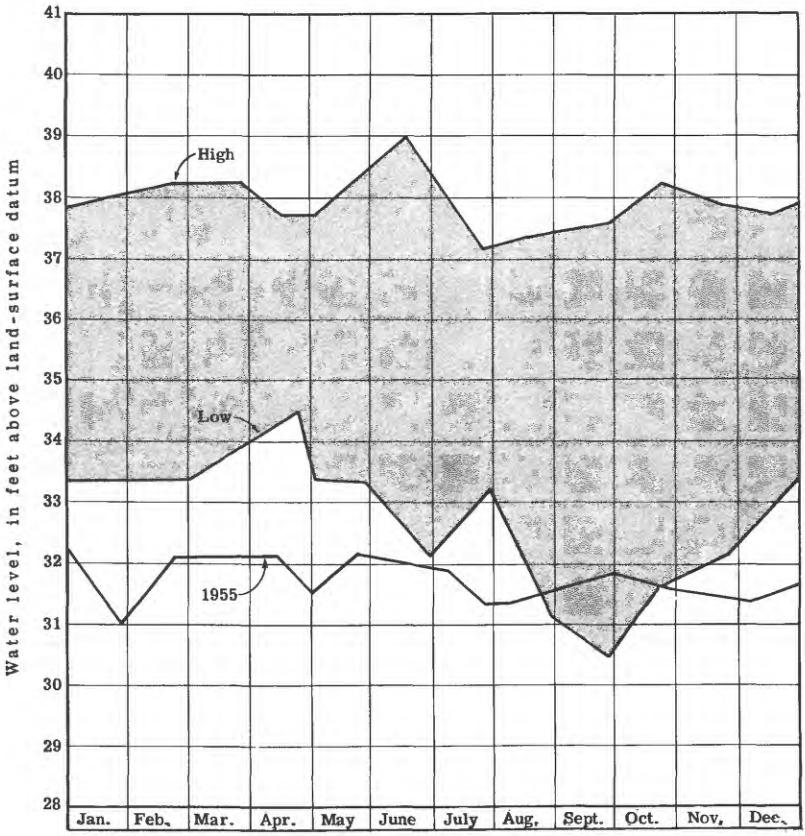


Figure 40. --Hydrograph of well AL-1 in Allendale County, S. C., showing water level in 1955 and monthly high and low water level for the period 1946-54.

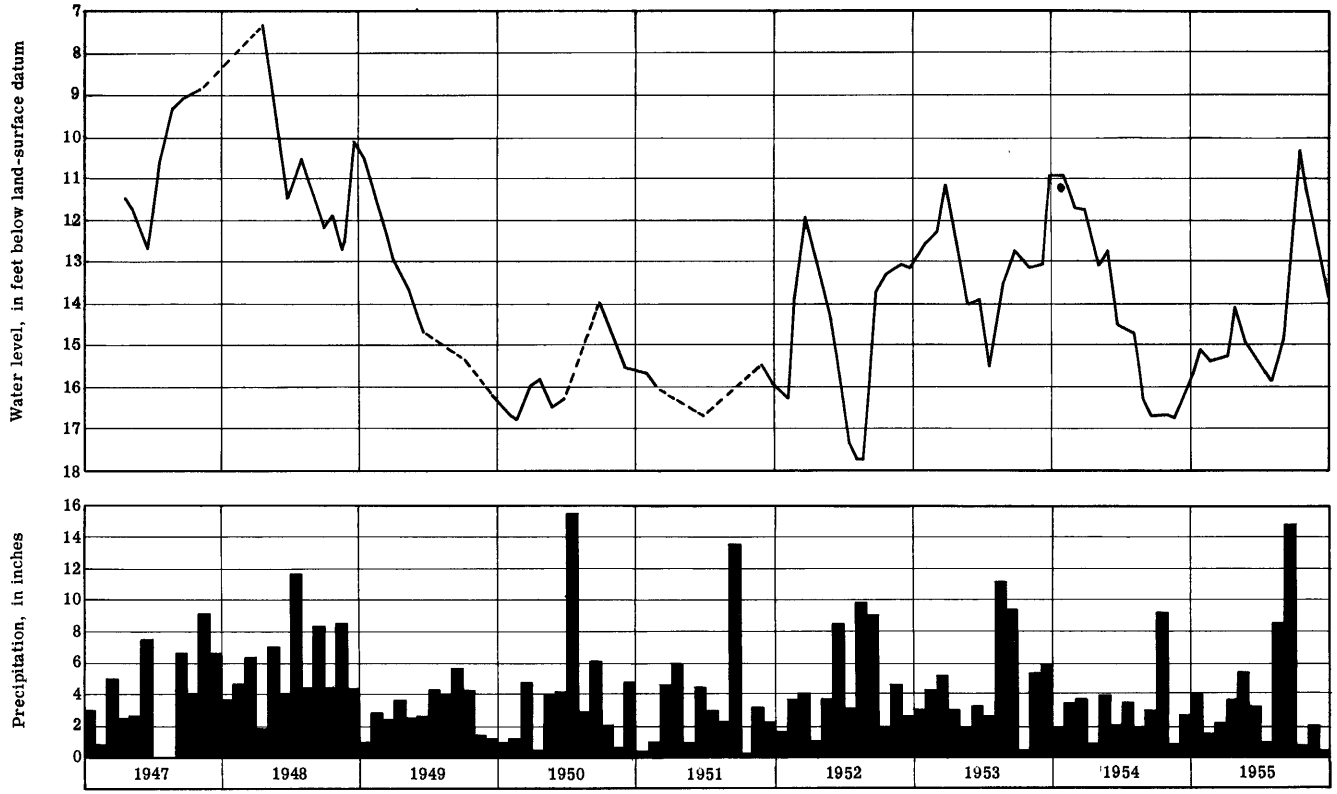


Figure 41. --Monthly water levels in well HO-3 and precipitation at Myrtle Beach, S. C., 1947-55.

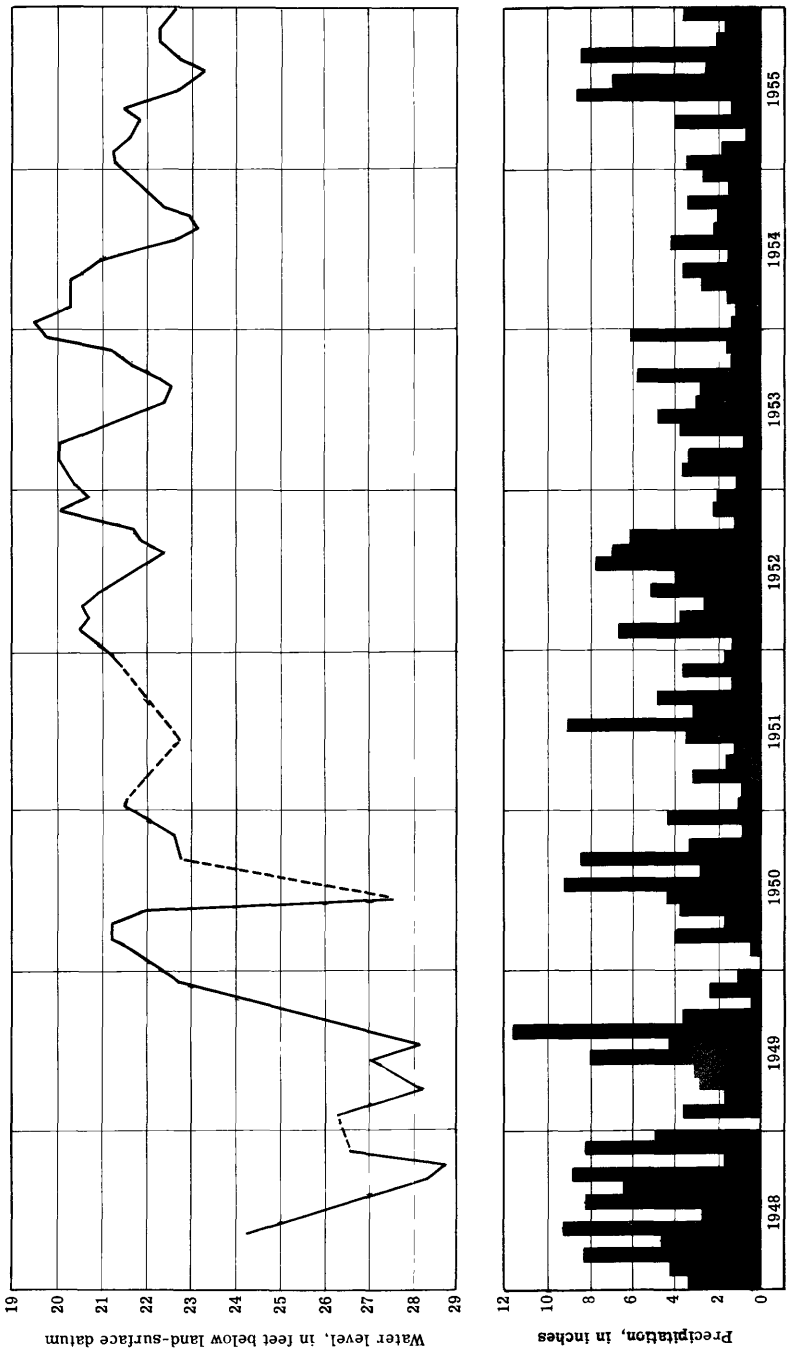


Figure 42.--Monthly water levels in well DOR-1 and precipitation at Summerville, S. C., 1948-55.

Fluctuations of water levels in artesian wells may be due to changes in rates of recharge or discharge to the aquifer. Or, the water level may fluctuate with changes of loading on the aquifer such as that caused by changes in atmospheric pressure, oceanic and earth tides, passing railroad trains, and changes in the amount of ground water stored in the overlying water-table aquifer. In some artesian wells, the annual cycle of water-level fluctuations has been markedly similar to the cycle of water-level changes in the water-table wells, showing high stages in the winter and spring and low stages in the summer. The parallelism between the hydrographs of the artesian and water-table wells suggests that at least part of the fluctuation of the water level in the artesian wells is caused by variations in the load on the aquifer with changes in the stage of the water table. DOR-1 is an example of an artesian well having such a cycle of water-level fluctuations. It is remote from any areas of discharge by either pumping or natural means. Figure 42 shows monthly water levels in well DOR-1 during the period 1948-55.

Water levels in wells AL-1, HO-1, HO-2, and SU-6, measured by means of either pressure gage or manometer, show a progressive decrease in pressure. Measurements by a pressure gage in well HO-2 show a fairly sharp decrease from 1954 because of an increase in pumping. Also, the chloride content of the water has increased, presumably owing to the increase in pumping.

New lows were observed in wells AK-1, BRK-1, FLO-1, HO-2, ORB-2, SU-1, and SU-2. The 1955 low in AK-1 in December was 0.72 foot lower than the previous low of record in December 1954. The low water levels in well BRK-1 were caused by pumping in this well or in nearby wells. The lower stages in well FLO-1 might have been a result of withdrawals from a distant well, but this has not been definitely determined. The hydrograph of well ORB-2 shows an increased rate of decline in average water levels over those of past years, owing to increased pumping in nearby wells and to the deficiency in rainfall. Except in the three wells added to the program in 1955— AK-2, BW-2, and BFT-1 —there were no highest measurements of record in 1955. A summary statement of the results of measurements during 1955 would indicate that the general trend was toward lower water levels which, for many monthly measurements, were lower than in previous years.

Well-Numbering System

Wells are arranged alphabetically by county and serially within each county. In this report the county name is designated by a 2- or 3-letter abbreviation prefixed to the well number.

Well Descriptions and Water-Level Measurements

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

Aiken County

AK-1. Lyles & Lang Construction Co. Near Beech Island. Lat. 33°26', long. 81°53'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 10 inches, depth 320 feet, cased to 320, screen 290-320. Land-surface datum is about 254 feet above msl. Highest water level 94.50 below lsd, Apr. 2, 1952; lowest 97.81 below lsd, Dec. 28-29, 1955. Records available: 1952-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	96.91	97.05	97.10	97.03	96.92	97.03	97.16	97.21	97.15	97.46	97.73	97.60
2	96.87	97.01	97.10	96.97	97.02	97.04	97.17	97.22	97.14	97.49	97.74	97.56
3	96.90	97.18	97.09	96.87	97.05	97.03	97.21	97.22	97.10	97.50	97.72	97.47
4	96.87	97.22	97.04	97.00	97.00	97.01	97.22	97.23	97.15	97.48	97.75	97.42
5	96.78	97.21	.....	97.06	96.93	96.98	97.23	97.23	97.25	97.44	97.74	97.40
6	96.77	97.02	.....	97.05	96.93	96.99	97.20	97.20	97.24	97.40	97.68	97.42
7	96.84	96.78	97.01	96.95	96.94	96.95	97.17	97.17	97.21	97.40	97.69	97.42
8	96.84	96.87	97.07	97.05	96.95	96.89	97.17	97.16	97.26	97.39	97.72	97.39
9	96.81	96.96	97.04	97.09	97.07	96.93	97.17	97.18	97.30	97.44	97.70	97.52
10	96.81	96.96	96.99	97.08	97.10	96.97	97.17	97.19	97.31	97.48	97.66	97.59
11	96.88	96.88	96.93	97.04	97.09	96.94	97.20	97.19	97.26	97.46	97.70	97.59
12	96.90	97.08	96.87	97.02	97.11	97.03	97.27	97.15	97.36	97.42	97.72	97.59
13	96.91	97.14	96.90	97.02	97.05	97.09	97.27	97.13	97.44	97.34	97.73	97.59
14	96.94	97.10	97.01	96.97	97.02	97.11	97.27	97.23	97.45	97.30	97.60	97.59
15	.....	96.95	97.01	96.78	97.00	97.14	97.21	97.25	97.42	97.33	97.57	97.52
16	.....	96.90	96.96	96.72	96.99	97.11	97.19	97.23	97.42	97.34	97.53	97.51
17	96.94	96.86	96.98	96.77	96.94	97.11	97.19	97.18	97.43	97.37	97.62	97.55
18	96.96	96.90	96.95	96.84	96.97	97.08	97.22	97.24	97.43	97.46	97.63	97.47
19	96.95	96.90	96.90	96.85	96.99	97.07	.....	97.26	97.38	97.56	97.58	97.57
20	97.06	96.93	96.96	96.81	96.98	97.08	.....	97.26	97.34	97.64	97.59	.....

AK-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	97.06	96.94	96.95	96.80	96.97	97.10	.....	97.27	97.39	97.64	97.57	97.53
22	96.89	96.96	96.90	96.78	96.98	97.08	.....	97.28	97.40	97.62	97.55	97.53
23	96.89	97.06	96.95	96.73	96.96	97.09	.....	.....	97.39	97.66	97.52	97.43
24	96.92	97.18	96.94	96.71	96.92	97.11	.....	.....	97.38	97.63	97.53	97.47
25	97.05	97.26	96.89	96.73	96.89	97.10	97.15	.....	97.44	97.63	97.53	97.50
26	97.08	97.26	96.94	96.78	96.92	97.08	97.16	.....	97.54	97.61	97.42	97.63
27	97.03	97.19	97.00	96.81	96.98	97.15	97.18	.....	.....	97.57	97.42	97.74
28	96.95	97.14	97.03	96.95	97.00	97.18	97.17	.....	97.59	97.57	97.40	97.81
29	96.88		97.03	96.88	96.96	97.19	97.12	97.21	97.51	97.54	97.50	97.81
30	96.98		97.08	96.91	96.94	97.18	97.22	97.16	97.49	97.58	97.58	97.75
31	97.05		97.08		96.98		.....	97.15		97.71		97.69

AK-2. U. S. Government. Lat. 33°20', long. 81°45'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 8 inches, depth 605 feet, cased to 605, screens 390-400, 455-465, 590-600. Land-surface datum is 357 feet above msl. Highest water level 155.34 below lsd, Apr. 25, 1955; lowest 156.90 below lsd, Aug. 26-27, 1955. Records available: 1955.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	155.74	155.65	155.78	155.84	155.75	155.98	156.30	156.75	156.85	.....	156.52	156.70
2	155.57	155.63	155.89	155.81	155.77	155.99	156.35	156.87	156.85	.....	156.53	156.72
3	155.72	155.83	155.97	155.52	155.87	156.01	156.31	156.90	156.77	.....	156.53	156.70
4	155.72	156.04	156.01	155.65	155.92	156.01	156.25	157.03	156.63	.....	156.55	156.45
5	155.71	156.04	156.01	155.78	155.92	155.97	156.30	157.03	156.56	.....	156.55	156.30
6	155.79	155.85	155.86	155.98	155.94	155.93	156.31	157.02	156.58	.....	156.40	156.35
7	155.85	155.53	155.70	155.97	155.94	156.05	156.39	156.76	156.68	.....	156.40	156.38
8	155.85	155.69	155.85	155.94	155.87	156.05	156.56	156.58	156.80	.....	156.55	156.44
9	155.71	155.84	155.87	155.85	155.91	156.13	156.55	156.64	156.87	.....	156.58	156.61
10	155.57	155.94	155.87	155.78	156.19	156.13	156.35	156.69	156.86	.....	156.57	156.61
11	155.63	155.78	155.85	155.63	156.24	156.10	156.24	156.68	156.65	.....	156.57	156.55
12	155.64	155.84	155.77	155.73	156.26	155.86	156.35	156.67	156.62	.....	156.58	156.63
13	155.65	155.85	155.65	155.78	156.23	155.93	156.49	156.67	156.67	.....	156.53	156.73
14	155.70	155.77	155.62	155.74	156.23	156.08	156.53	156.62	.....	.....	156.41	156.67
15	155.69	.....	155.64	155.71	155.95	156.18	156.53	156.61	.....	.....	156.52	156.65
16	155.50	.....	155.67	155.71	155.86	156.22	156.48	156.65	.....	.....	156.52	156.65
17	155.50	.....	155.76	155.64	155.93	156.26	156.30	156.65	.....	.....	156.59	156.65
18	155.51	.....	155.75	155.61	156.01	156.26	156.30	156.70	.....	.....	156.63	156.55
19	155.60	.....	155.73	155.71	156.06	156.05	156.46	156.73	.....	.....	156.63	156.49
20	155.77	.....	155.70	155.71	156.17	156.04	156.52	156.73	.....	.....	156.41	156.55
21	155.77	.....	155.61	155.70	156.17	156.22	156.65	156.57	.....	.....	156.43	156.55
22	155.62	155.74	155.68	155.64	155.99	156.39	156.65	156.53	.....	.....	156.50	156.55
23	155.49	155.89	155.80	155.71	155.92	156.40	155.63	156.69	.....	.....	156.55	156.55
24	155.47	155.94	155.71	155.54	156.00	156.40	156.42	156.78	.....	.....	156.55	156.56
25	155.57	156.05	155.70	155.47	156.05	156.49	156.42	156.84	.....	.....	156.50	156.45
26	155.65	156.05	155.69	155.67	156.12	156.19	156.55	156.90	.....	156.65	156.33	156.40
27	155.65	155.90	155.73	155.79	156.17	156.16	156.73	156.90	.....	156.70	156.30	156.60
28	155.65	155.70	155.57	155.88	156.17	156.25	156.84	156.74	.....	156.70	156.35	156.80
29	155.64		155.67	155.88	156.00	156.27	156.85	156.72	.....	156.70	156.58	156.80
30	155.61		155.83	155.88	155.77	156.30	156.85	156.77	.....	156.55	156.70	156.71
31	155.66		155.85		155.85		156.70	156.84		156.50		156.60

Allendale County

AL-1. Mr. Easton. Fairfax. Lat. 32°57', long. 81°14'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 8 inches, depth 660 feet. Land-surface datum is about 135 feet above msl. Highest water level 39.0 above lsd, June 19, 1947; lowest 30.5 above lsd, Sept. 25, 1954. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	+32.2	May 1	+31.6	July 29	+31.4	Oct. 29	+31.6
29	+31.1	28	+32.2	Aug. 3	+31.4	Dec. 3	+31.4
Feb. 27	+32.2	July 9	+31.9	Oct. 1	+31.9	31	+31.6
Apr. 3	+32.2						

Barnwell County

BW-1. Town of Barnwell. Municipal well field. Lat. 33°14', long. 81°21'. Drilled unused artesian well in sand of Tertiary age, diameter 6 inches, depth 145 feet. Land-surface datum is about 215 feet above msl. Highest water level 28.58 below lsd, May 17, 1954; lowest 56.92 below lsd, Sept. 15, 1953. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.90	41.47	38.62	37.54	39.16	37.55	38.70	39.88	c40.02	37.10	.....	.....
2	40.54	41.47	38.22	38.02	38.13	37.24	39.42	40.61	39.11	.....	.....	.....
3	41.33	39.33	38.40	38.57	38.54	38.21	39.45	41.61	38.80	.....	.....	h34.11
4	39.68	39.75	39.80	38.71	38.53	38.74	39.14	42.10	38.61	.....	.....	.....
5	38.82	40.73	42.00	38.01	38.83	38.74	39.35	42.28	39.09	.....	.....	.....
6	39.41	39.77	42.12	37.85	39.18	39.08	39.05	42.11	38.00	.....	.....	.....
7	38.35	39.23	.....	37.63	40.40	39.40	39.01	42.41	38.32	.....	.....	.....
8	39.41	38.59	38.72	37.85	40.06	38.81	39.51	42.59	37.95	.....	.....	.....
9	40.60	38.51	38.00	37.95	39.82	37.93	39.32	42.99	37.00	.....	.....	.....
10	40.63	37.98	37.74	38.63	40.64	37.02	38.77	43.05	35.45	h34.00	.....	.....
11	39.44	37.61	38.05	38.77	41.10	37.50	38.75	42.20	34.65	.....	.....	.....
12	38.42	37.66	38.58	38.75	41.42	37.94	38.90	41.15	34.15	.....	.....	.....
13	37.93	39.20	39.48	38.16	41.17	38.25	38.23	40.91	33.93	.....	.....	.....
14	38.36	41.48	40.59	38.27	39.71	37.42	37.85	39.37	33.90	.....	.....	.....
15	.....	41.59	39.42	38.02	38.43	36.99	38.30	38.95	33.78	.....	.....	.....
16	.....	40.58	39.30	37.63	38.77	38.01	38.72	39.30	33.70	.....	.....	.....
17	39.19	38.80	41.29	38.13	38.40	38.46	38.91	38.70	33.65	.....	.....	.....
18	38.92	39.50	40.44	38.27	38.64	38.34	39.10	39.21	33.61	.....	.....	.....
19	39.97	40.88	38.71	37.39	39.57	38.38	40.30	39.71	33.63	.....	.....	.....
20	38.92	39.47	38.63	36.60	39.70	38.45	40.80	39.38	33.63	.....	.....	.....
21	38.31	39.23	38.82	36.96	40.00	37.70	40.97	39.18	33.66	.....	.....	.....
22	39.27	38.61	38.18	36.79	39.37	37.60	40.08	39.24	33.69	.....	.....	.....
23	41.38	38.24	38.33	37.01	39.43	37.41	40.52	39.88	33.70	.....	.....	.....
24	42.10	38.32	37.90	37.47	38.56	37.51	40.59	39.83	33.70	.....	.....	.....
25	40.41	38.31	37.29	37.82	38.07	37.65	40.85	39.30	33.70	.....	.....	.....
26	39.08	37.86	37.25	38.20	37.76	36.99	41.88	38.50	35.21	.....	.....	.....
27	38.76	38.46	38.25	38.20	37.63	37.47	41.88	37.94	38.45	.....	.....	.....
28	37.95	38.76	38.47	38.76	37.64	37.20	41.37	37.97	39.90	.....	.....	.....
29	38.12		37.98	39.70	37.65	37.09	40.54	38.52	39.90	h36.70	.....	.....
30	38.05		37.72	40.16	38.08	38.05	40.47	38.92	39.85	.....	.....	.....
31	39.51		37.26		37.82		.....	c39.99		.....		h33.99

c Nearby well being pumped.
h Tape measurement.

BW-2. U. S. Government. Lat. 33°17', long. 81°35". Drilled unused artesian well in sand of Late Cretaceous age, diameter 8 inches, depth 485 feet, cased to 485, screen 375-475. Land-surface datum is 304 feet above msl. Highest water level 107.63 below lsd, Feb. 11, 1955; lowest 108.82 below lsd, Dec. 13, 1955. Records available: 1955.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	107.97	107.88	.....	107.98	107.99	108.09	108.20	108.38	108.42	108.49	108.67	108.72
2	107.91	107.84	.....	107.94	108.02	108.10	108.21	108.38	108.47	108.46	108.68	108.70
3	107.93	107.98	.....	107.84	108.05	108.09	108.23	108.38	108.48	108.44	108.66	108.65
4	107.89	108.03	.....	107.93	108.04	108.10	108.23	108.41	108.45	108.44	108.69	108.63
5	107.84	108.03	.....	107.97	108.03	108.08	108.21	108.42	108.50	108.47	108.68	108.59
6	107.85	107.91	.....	107.96	108.07	108.08	108.10	108.39	108.50	108.45	108.65	108.58
7	107.91	107.72	.....	107.94	108.07	108.05	108.08	108.36	108.50	108.45	108.66	108.57
8	107.92	107.78	.....	108.02	108.04	108.03	108.08	108.35	108.55	108.44	108.68	108.57
9	107.88	107.83	107.84	108.06	108.07	108.09	108.07	108.38	108.59	108.40	108.66	108.72
10	107.85	107.92	.....	108.05	108.10	108.10	108.05	108.40	108.60	108.42	108.62	108.78
11	107.88	107.90	.....	108.01	108.10	108.01	108.05	108.39	108.57	108.47	108.65	108.78
12	107.88	107.97	.....	107.94	108.08	108.02	108.09	108.37	108.61	108.50	108.69	108.78
13	107.87	108.01	.....	107.93	108.07	108.06	108.09	108.42	108.66	.....	108.71	108.82
14	107.90	107.99	.....	107.87	108.00	108.09	108.11	108.49	108.64	.....	108.69	.....
15	107.85	107.89	107.84	107.82	108.01	108.13	108.10	108.40	108.58	.....	108.63	.....
16	107.80	107.89	107.79	107.83	108.01	108.14	108.11	108.33	108.59	108.54	108.61	.....
17	107.86	107.92	107.86	107.88	107.97	108.16	108.12	108.36	108.61	108.56	108.71	.....
18	107.88	107.97	107.87	107.92	108.01	108.15	108.14	108.45	108.59	108.54	108.73	.....
19	107.83	107.97	107.89	107.91	108.01	108.11	108.16	108.49	108.45	108.47	108.70	.....
20	107.91	107.97	107.91	107.88	108.01	108.06	108.16	108.52	108.52	108.37	108.73	.....

BW-2--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	107.91	.....	107.86	107.86	108.03	108.08	108.16	108.54	108.57	108.39	108.73	.....
22	107.82	.....	107.84	107.84	108.04	108.09	108.18	108.55	108.58	108.38	108.70	.....
23	107.82	h107.91	107.87	107.84	108.02	108.12	108.18	108.55	108.58	108.35	108.69	.....
24	107.78	.....	107.85	107.83	107.98	108.12	108.18	108.49	108.58	108.43	108.75	.....
25	107.86	.....	107.82	107.83	107.95	108.12	108.24	108.48	108.59	108.40	108.74	.....
26	107.87	.....	107.89	107.93	107.96	108.11	108.26	108.45	108.63	108.43	108.59	.....
27	107.83	.....	107.94	107.96	108.00	108.16	108.30	108.46	108.62	108.42	108.59	.....
28	107.79	h107.80	107.95	107.97	108.02	108.19	108.29	108.45	108.58	108.43	108.53	.....
29	107.83		107.96	107.97	108.01	108.21	108.29	108.45	108.55	108.53	108.66	.....
30	107.90		108.01	107.99	108.00	108.21	108.31	108.43	108.53	108.60	108.71	.....
31	107.92		108.00		108.05		108.35	108.41		108.67		.....

h Tape measurement.

Beaufort County

BFT-1. U. S. Navy. Lat. 32°28', long. 80°44'. Drilled observation artesian well in limestone of Eocene age, diameter 10 inches, depth 105 feet, cased to 85, open hole 85-105. Land-surface datum is 30.11 feet above msl. Highest water level 13.65 below lsd, Dec. 31, 1955; lowest 20.51 below lsd, Sept. 18, 1955. Records available: 1955.

Daily lowest water level, above msl, from recorder graph*

Day	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	14.54	16.97	14.45	13.93	18.96	15.86	18.31	15.68
2	.....	14.47	16.87	18.09	17.73	19.24	15.31	18.95	18.46
3	.....	18.16	16.87	18.86	18.31	19.41	15.19	19.11	18.87
4	.....	18.43	16.87	19.11	17.69	19.54	15.16	19.05	19.06
5	.....	18.56	17.71	18.88	17.51	19.68	15.03	19.16	19.08
6	.....	18.57	17.68	19.06	17.38	19.86	15.07	19.26	19.11
7	.....	18.41	17.90	19.07	17.54	19.94	14.96	19.16	19.01
8	.....	18.43	18.31	19.07	18.21	20.00	14.91	19.19	19.19
9	.....	17.67	18.24	19.16	15.33	19.76	14.83	19.25	18.86
10	.....	17.61	17.93	19.17	14.31	20.06	14.80	19.32	14.96
11	.....	17.73	18.46	19.13	14.06	20.13	14.68	19.28	14.38
12	.....	17.89	18.72	19.11	13.86	20.01	14.71	19.12	14.11
13	.....	17.51	18.46	15.41	13.81	20.09	14.83	19.32	14.11
14	.....	17.74	18.57	14.68	13.96	20.21	14.69	19.01	14.06
15	.....	18.58	18.62	14.39	14.13	20.32	14.69	19.06	14.01
16	.....	18.73	18.59	14.33	14.38	20.40	14.71	19.31	13.94
17	.....	18.61	18.59	14.27	14.28	20.35	14.59	19.28	16.96
18	.....	18.79	18.66	14.26	14.36	20.51	14.63	18.79	18.71
19	.....	18.99	18.73	14.23	14.41	20.49	14.48	19.16	18.91
20	14.66	18.61	18.96	14.06	18.01	20.39	14.47	19.24	19.01
21	14.97	15.36	16.06	14.01	18.63	20.36	14.41	18.81	18.17
22	14.60	14.61	15.01	15.51	18.75	20.32	14.43	17.78	15.66
23	14.85	13.91	14.75	14.36	18.86	20.26	14.44	18.01	16.21
24	14.72	13.91	14.66	14.20	18.93	20.30	14.41	18.76	16.91
25	14.40	14.03	14.58	14.16	18.97	20.35	14.30	18.81	17.16
26	14.33	14.08	14.55	14.04	19.01	20.30	14.36	18.51	17.31
27	14.42	14.00	14.55	13.94	19.03	20.30	14.96	18.93	17.29
28	14.60	13.91	14.47	13.94	19.14	20.26	13.93	18.48	17.52
29	14.37	13.96	14.45	14.02	18.74	20.39	14.24	17.76	17.51
30	14.56	13.86	14.44	13.91	19.16	17.04	14.26	17.81	17.53
31		14.10		13.81	16.61		14.23		17.56

*No record for January, February, and March.

Berkeley County

BRK-1. Santee River Hardwood Co. Saint Stephen. Lat. 33°25', long. 79°56'. Drilled artesian well in sand of Late Cretaceous age, diameter 6 inches, depth 900 feet. Land-surface datum is about 75 feet above msl. Highest water level 15.69 below lsd, June 14, 1949; lowest 17.57 below lsd, Aug. 30, 1954. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	b25.74	May 1	d19.70	July 29	d24.93	Oct. 29	d19.87
29	b25.07	28	d21.65	Aug. 30	a37.84	Dec. 3	d19.72
Feb. 27	c21.50	July 9	d21.16	Oct. 12	d19.72	20	d19.67
Apr. 3	c20.27						

a Pumping.
b Pumped recently.
c Nearby well being pumped.
d Nearby well pumped recently.

Dorchester County

DOR-1. Town of Summerville. Near town hall on Main St. Lat. 33°01', long. 80°10'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 8 inches, depth 925 feet. Land-surface datum is about 70 feet above msl. Highest water level 19.49 below lsd, Jan. 31, 1954; lowest 28.22 below lsd, Apr. 30, 1949. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	21.60	May 1	21.80	July 29	22.85	Oct. 29	22.23
29	21.30	28	21.50	Aug. 30	23.23	Dec. 3	22.18
Feb. 27	21.32	July 9	22.50	Oct. 11	22.55	30	22.37
Apr. 3	21.65						

Florence County

FLO-1. Town of Timmonsville. Near reservoir. Lat. 34°08', long. 79°51'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 5 inches, depth 165 feet. Land-surface datum is about 150 feet above msl. Highest water level 15.39 below lsd, Feb. 23, 1950; lowest 23.79 below lsd, Oct. 2, 1955. Records available: 1950-55.

Jan. 6	c31.40	Apr. 30	18.85	July 30	20.51	Oct. 30	20.27
30	18.40	May 28	19.57	Aug. 29	23.19	Dec. 4	19.60
Feb. 26	18.16	July 8	20.03	Oct. 2	23.79	29	19.42
Apr. 2	c24.85						

c Nearby well being pumped.

Horry County

HO-1. St. Paul's Baptist Church. Lat. 33°53', long. 79°03'. Drilled unused artesian well in sand of Late Cretaceous age, diameter 2 inches, reported depth 250 feet. Land-surface datum is about 26 feet above msl. Highest water level 10.7 above lsd, Feb, 28, 1947; lowest 6.4 above lsd, Feb. 28, May 1, 30, Sept. 26, 1954. Records available: 1947-55. July 8, +7.8; July 30, +7.8; Aug. 29, +7.5; Oct. 12, +7.8; Oct. 30, +7.8; Dec. 3, +7.8; Dec. 29, +7.8.

HO-2. K. C. Ellsworth. Briarcliff Acres. Lat. 33°48', long. 78°42'. Drilled domestic artesian well in sand of Late Cretaceous age, diameter 10 inches, depth 587 feet. Land-surface datum is about 25 feet above msl. Highest water level 12.5 above lsd, Jan. 31, 1951; lowest 3.1 above lsd, Apr. 30, May 28, July 30, 1955. Records available: 1947-55.

Jan. 1	+6.4	May 28	+3.1	Aug. 30	+5.1	Dec. 4	+3.9
Apr. 2	+3.6	July 8	+4.4	Oct. 12	+3.6	30	+4.5
30	+3.1	30	+3.1	30	+4.5		

HO-3. City of Myrtle Beach. Lat. 33°41', long. 78°54'. Drilled unused artesian and water-table well in sand of Late Cretaceous age, diameter 8 inches, depth 37 feet. Land-surface datum is about 25 feet above msl. Highest water level 7.30 below lsd, Apr. 16, 1948; lowest 17.79 below lsd, Aug. 26, 1952. Records available: 1946-55.

Jan. 1	15.70	Apr. 30	14.12	July 30	15.90	Oct. 30	11.22
29	15.15	May 25	14.99	Aug. 30	14.82	Dec. 3	13.16
Feb. 27	15.40	July 8	15.67	Oct. 12	10.34	30	13.87
Apr. 2	15.24						

Orangeburg County

ORB-1. Town of North. Municipal well field. Lat. 33°37', long. 81°07'. Drilled unused artesian well in sand of Tertiary age, diameter 10 inches, depth 125 feet. Land-surface datum is about 280 feet above msl. Highest water level 33.90 below lsd, Mar. 30, 1949; lowest 49.20 below lsd, Jan. 28, 1946. Records available: 1946-55.

Jan. 1	c42.13	May 1	c42.95	July 29	c42.90	Oct. 29	c43.75
29	c42.37	29	c42.87	Aug. 3	c43.10	Dec. 3	c43.10
Feb. 27	c42.60	July 9	c44.09	Oct. 11	c44.08	31	c44.07
Apr. 3	42.77						

c Nearby well being pumped.

ORB-2. Town of North. Municipal well field. Lat. 33°37', long. 81°07'. Drilled unused artesian well in sand of Tertiary age, diameter 10 inches, depth 125 feet. Land-surface datum is about 280 feet above msl. Highest water level 33.12 below lsd, Mar. 30, 1949; lowest 43.44 below lsd, July 9, 1955. Records available: 1947-55.

Jan. 1	41.40	May 1	42.32	July 29	42.40	Oct. 29	42.07
29	41.80	28	42.24	Aug. 31	42.66	Dec. 3	42.31
Feb. 27	42.08	July 9	43.44	Oct. 11	42.12	29	42.47
Apr. 3	42.20						

Richland County

RIC-1. Columbia Products Co. Near Columbia. Lat. 34°02', long. 81°00'. Drilled unused water-table well in sand of Late Cretaceous age, diameter 6 inches, depth 233 feet. Land-surface datum is about 390 feet above msl. Highest water level 75.50 below lsd, Nov. 13, 1949; lowest 84.10 below lsd, May 16, 1952. Records available: 1949-52. No measurement made in 1955.

Sumter County

SU-1. U.S. Geol. Survey. Poinsett State Park. Near Wedgefield. Lat. 33°53', long. 80°29'. Drilled observation water-table well in sand of Pleistocene age, diameter C inches, depth 29 feet, cased to 29, perforations 18-29. Land-surface datum is about 190 feet above msl. Highest water level 10.15 below lsd, Mar. 29, 1953; lowest 16.01 below lsd, Feb. 3-5, 1955. Records available: 1942-43, 1946-49, 1951-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	16.00	15.77	.....	15.50	15.50	15.44	15.17	.....	15.00	14.88	14.69
2	.....	16.00	15.77	15.72	15.49	15.48	15.44	15.17	15.28	15.00	14.88	14.69
3	.....	16.01	15.76	15.73	15.49	15.47	15.44	15.17	15.18	14.99	14.88	14.69
4	.....	16.01	15.75	15.74	15.49	15.47	15.44	15.16	15.18	14.48	14.87	15.09
5	.....	16.01	15.74	15.76	15.49	15.46	15.44	15.15	15.03	14.97	14.87	15.09
6	.....	16.00	15.73	15.76	15.50	15.45	15.43	15.15	15.04	14.96	14.87	15.10
7	.....	16.00	15.73	15.76	15.50	15.45	15.43	15.15	15.08	14.96	14.87	15.10
8	.....	16.00	15.73	15.78	15.51	15.44	15.34	15.14	15.11	14.95	14.86	15.11
9	.....	16.00	15.72	15.79	15.51	15.44	15.34	15.14	15.11	14.95	14.85	15.14
10	.....	15.99	15.72	15.80	15.52	15.44	15.34	15.14	15.11	14.94	14.85	15.15
11	.....	15.98	15.71	15.80	15.53	.....	15.35	15.14	15.12	14.94	14.84	15.15
12	.....	15.98	15.71	15.81	15.54	.....	15.35	15.14	15.12	14.93	14.83	15.16
13	.....	15.97	15.71	15.82	15.55	.....	15.35	15.14	15.12	14.93	14.82	15.17
14	.....	15.94	15.71	15.83	15.57	.....	15.35	15.14	15.11	14.92	14.82	15.17
15	.....	15.92	15.71	15.82	15.58	.....	15.35	15.14	15.11	14.92	14.82	15.17
16	.....	15.91	15.70	15.81	15.58	.....	15.35	15.14	15.10	14.92	14.82	15.18
17	.....	15.89	15.71	15.77	15.60	.....	15.34	15.14	15.09	14.92	14.80	15.18
18	.....	15.89	15.71	15.72	15.61	.....	15.34	15.14	15.08	14.92	14.79	15.18
19	.....	15.87	15.70	15.68	15.62	.....	15.34	15.15	15.08	14.92	14.79	15.20
20	.....	15.86	15.70	15.65	15.64	.....	15.33	15.15	15.08	14.93	14.78	15.21
21	.....	15.85	15.69	15.62	15.63	.....	15.29	15.16	15.08	14.93	14.76	15.21
22	.....	15.84	15.70	15.59	15.60	.....	15.29	15.16	15.05	14.94	14.76	15.21
23	.....	15.83	15.70	15.57	15.59	.....	15.29	15.16	15.05	14.95	14.76	15.22
24	.....	15.82	15.69	15.56	15.58	.....	15.28	15.16	15.04	14.95	14.75	15.22
25	.....	15.81	15.69	15.54	15.57	15.49	15.28	15.17	15.03	14.95	14.74	15.23
26	.....	15.79	15.70	15.54	15.56	15.49	15.28	15.17	15.03	14.95	14.73	15.25
27	.....	15.79	15.70	15.52	15.56	15.45	15.32	15.17	15.03	14.95	14.73	15.27
28	.....	15.79	15.70	15.51	15.56	15.45	15.33	15.17	15.00	14.95	14.73	15.27
29	.....		15.71	15.49	15.52	15.44	15.33	15.32	15.00	14.95	14.72	15.39
30	.....		.....	15.50	15.51	15.44	15.17	15.32	15.00	14.89	14.70	15.39
31	.....		.....		15.50		.....	15.32		14.89		15.39

SU-2. City of Sumter. Municipal well field. Lat. 33°57', long. 80°22'. Jetted unused water-table well in sand of Tertiary age, diameter 24 inches, depth 50 feet. Land-surface datum is about 176 feet above msl. Highest water level 6.96 below lsd, Apr. 15, 1947; lowest 34.66 below lsd, Dec. 29, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	30.50	Apr. 30	34.27	July 30	32.85	Oct. 30	34.04
30	33.32	May 28	33.10	Aug. 29	34.20	Dec. 4	34.64
Feb. 26	32.86	July 8	32.58	Sept. 27	34.50	29	34.66
Apr. 2	31.68						

SU-4. City of Sumter. Municipal well field. Lat. 33°57', long. 80°22'. Drilled public-supply artesian well in sand of Late Cretaceous age, diameter 18 inches, depth 625 feet, cased to 625, screens 415-435, 508-528, 550-570, 605-625. Land-surface datum is about 176 feet above msl. Highest water level 32.75 below lsd, Dec. 30, 1953; lowest 48.78 below lsd, May 29, 1953. Records available: 1947-55. Nearby well being pumped.

Jan. 1	37.70	Apr. 2	35.90	July 30	44.90	Oct. 30	40.10
30	35.12	30	41.50	Aug. 29	44.04	Dec. 4	40.01
Feb. 26	36.79	May 28	43.49	Sept. 27	44.95	29	43.80

SU-5. City of Sumter. Municipal well field. Lat. 33°57', long. 80°22'. Drilled public-supply artesian well in sand of Late Cretaceous age, diameter 18 inches, depth 714 feet, cased to 714, screens 518-538, 600-620, 690-710. Land-surface datum is about 176 feet above msl. Highest water level 29.72 below lsd, May 9, 1948; lowest 48.98 below lsd, May 27, 1952. Records available: 1948-52, 1955. Dec. 4, 47.18.

SU-6. Beulah Methodist Church. Near Sumter. Lat. 33°57', long. 80°15'. Drilled domestic artesian well in sand of Late Cretaceous age, diameter 2 inches, depth 250 feet. Land-surface datum is about 125 feet above msl. Highest water level 8.4 above lsd, Apr. 5, 1950; lowest 2.4 above lsd, May 30, 1954. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 1	+3.2	Apr. 30	+3.8	Aug. 29	+4.4	Oct. 29	+4.1
30	+3.8	May 28	+3.8	Sept. 27	+4.4	Dec. 4	+3.8
Feb. 26	+3.8	July 8	+4.4	Oct. 12	+4.4	29	+4.1
Apr. 2	+3.8	30	+4.4				

TENNESSEE

By J. H. Criner, Jr.

Scope of Water-Level Program

The observation-well program in Tennessee was begun in Memphis in 1940 and expanded to include west Tennessee in 1947 and central and east Tennessee in 1949. The program was continued in 1955 cooperatively with the Memphis Light, Gas and Water Division and the Tennessee Department of Conservation, Division of Geology. It provides factual evidence of water-level trends and is the basis for more comprehensive investigations of ground-water resources in the State. Measurements in 51 observation wells are reported, 30 of which are equipped with recording gages. Figures 43, 44, and 45 show the location of observation wells. A reconnaissance report on the ground-water resources of the Cumberland Plateau in Tennessee was approved for release to the open file and for publication by the State. A structure-contour map on top of the dense white basal member of the Murfreesboro limestone of Ordovician age in middle Tennessee was approved for release to the open file. Reports on the post-Paleozoic stratigraphy of western Tennessee and adjacent portions of the upper Mississippi Embayment and public ground-water supplies in western Tennessee were published in 1955.

Precipitation

The average precipitation for Tennessee in 1955 was 49.75 inches, which is 0.44 inch below normal. This is the first year of nearly normal precipitation since 1951. The following table gives the annual precipitation and departure from normal at selected stations in the Tertiary outcrop belt of west Tennessee. Most of the municipal and industrial supplies of west Tennessee are obtained from sands of Tertiary age.

Precipitation and departure from normal, 1940-55

Year	Moscow		Brownsville		Milan		Martin	
	Total precipitation	Departure from normal	Total precipitation	Departure from normal	Total precipitation	Departure from normal	Total precipitation	Departure from normal
1940	37.98	-14.61	38.32	-11.26	36.87	-12.84	40.77	a-5.80
1941	34.37	-18.22	31.49	-18.09	31.35	-18.36	29.79	a-16.78
1942	48.46	-4.13	44.34	-5.24	46.21	-3.50	41.31	a-5.26
1943	43.29	-9.30	36.43	-13.15	43.13	-6.58	32.94	a-13.63
1944	64.09	11.50	57.76	8.18	57.44	7.73	49.62	a3.05
1945	67.44	14.85	70.74	21.16	69.97	20.26	60.47	13.90
1946	64.54	11.95	65.13	15.55	61.41	11.70	51.48	4.91
1947	50.02	-2.57	49.52	-.06	50.91	1.20	41.27	5.30
1948	67.95	15.36	60.02	10.44	57.28	7.57	54.28	7.71
1949	62.89	10.30	56.06	6.48	67.15	17.44	56.81	10.24
1950	b67.33	b14.74	65.49	15.91	b68.78	b19.07	68.48	21.91
1951	57.53	4.94	60.11	10.53	73.34	23.63	58.14	11.57
1952	c38.87	c-13.72	45.45	-4.13	44.46	-5.25	c48.05	c1.48
1953	47.71	-5.99	46.56	-5.89	47.37	-6.33	41.32	-5.25
1954	c45.91	c-7.79	39.32	-13.13	42.56	-11.14	39.15	-7.42
1955	53.48	-.22	56.63	4.18	51.83	-1.87	43.55	-3.02

a Computed from 46.57 as the normal precipitation at Martin.
b Record incomplete.
c Record partially estimated.

Pumpage

Pumpage in the Memphis area increased in 1955 as a result of population growth and increased industrial activity. There were increases reported for most of the municipal supplies in west Tennessee. The following table gives the estimated daily quantities of water pumped from the "500-foot" and the "1,400-foot" sands in the Memphis area since 1941:

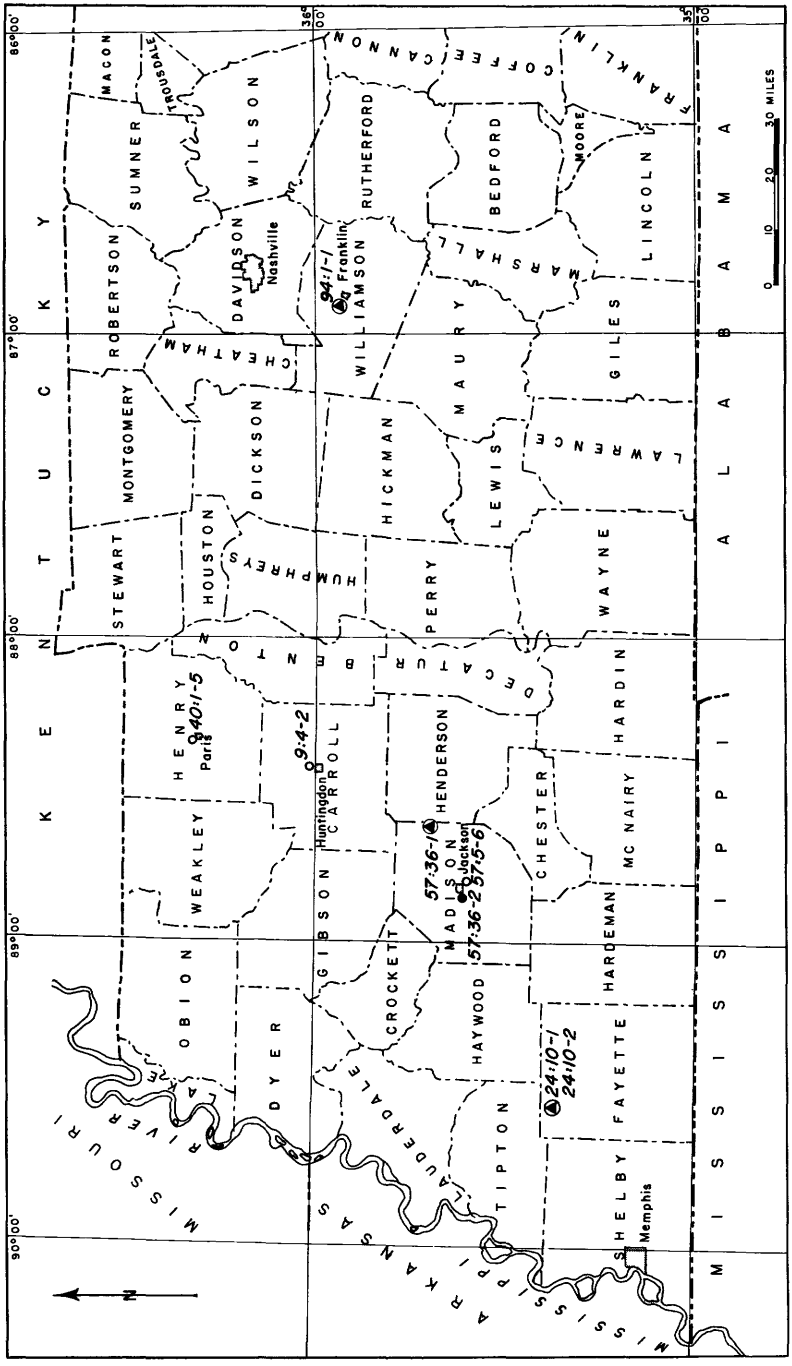


Figure 43.--Location of observation wells in western Tennessee, 1955.

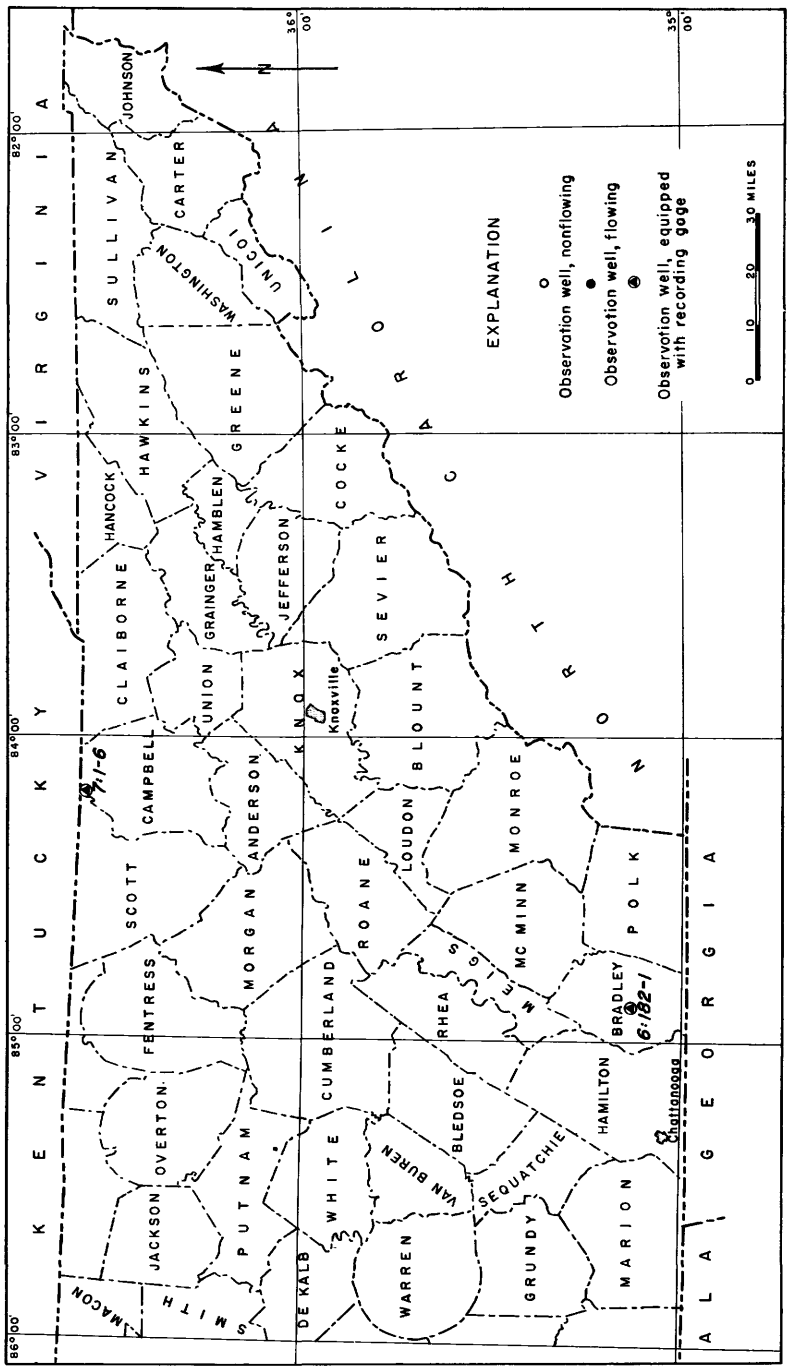


Figure 44.--Location of observation wells in eastern Tennessee, 1955.

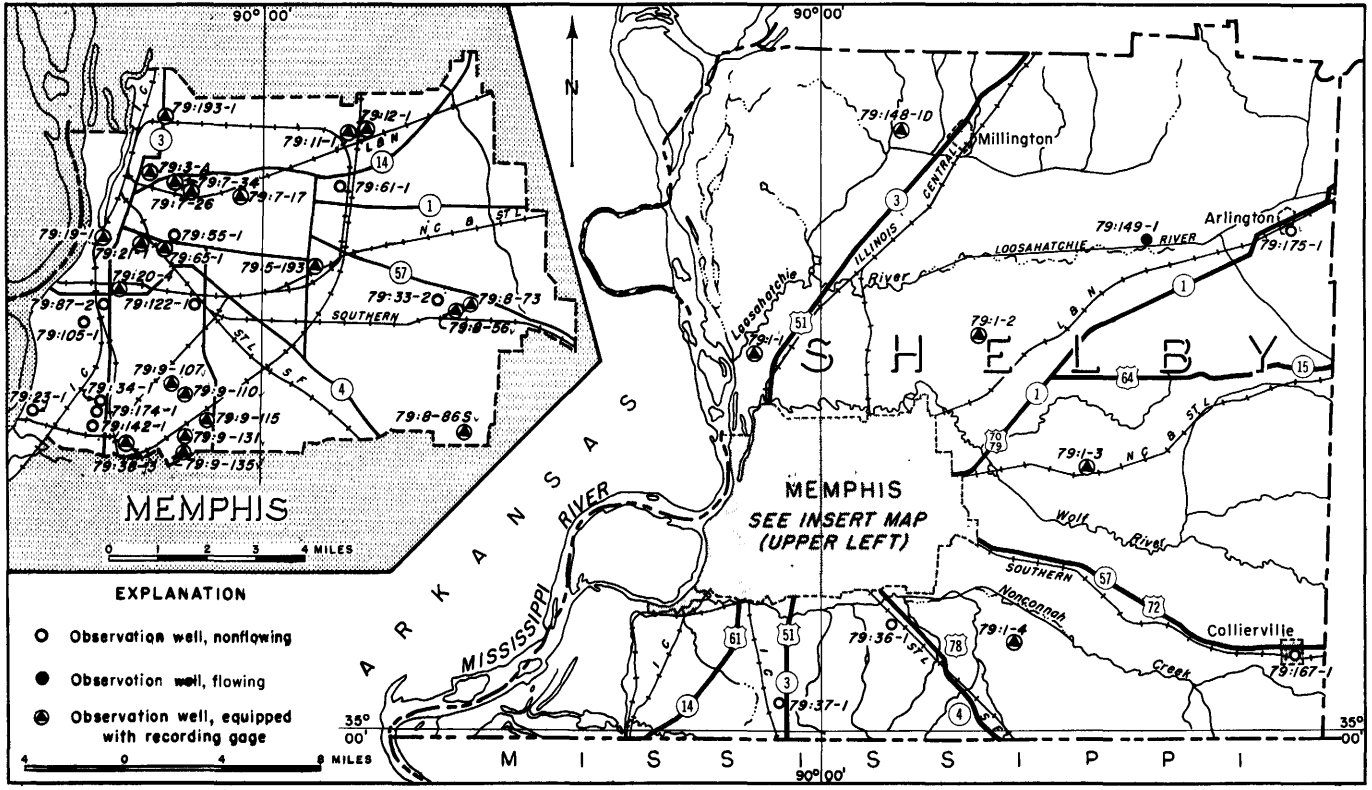


Figure 45. --Location of observation wells in Shelby County, Tenn., 1955.

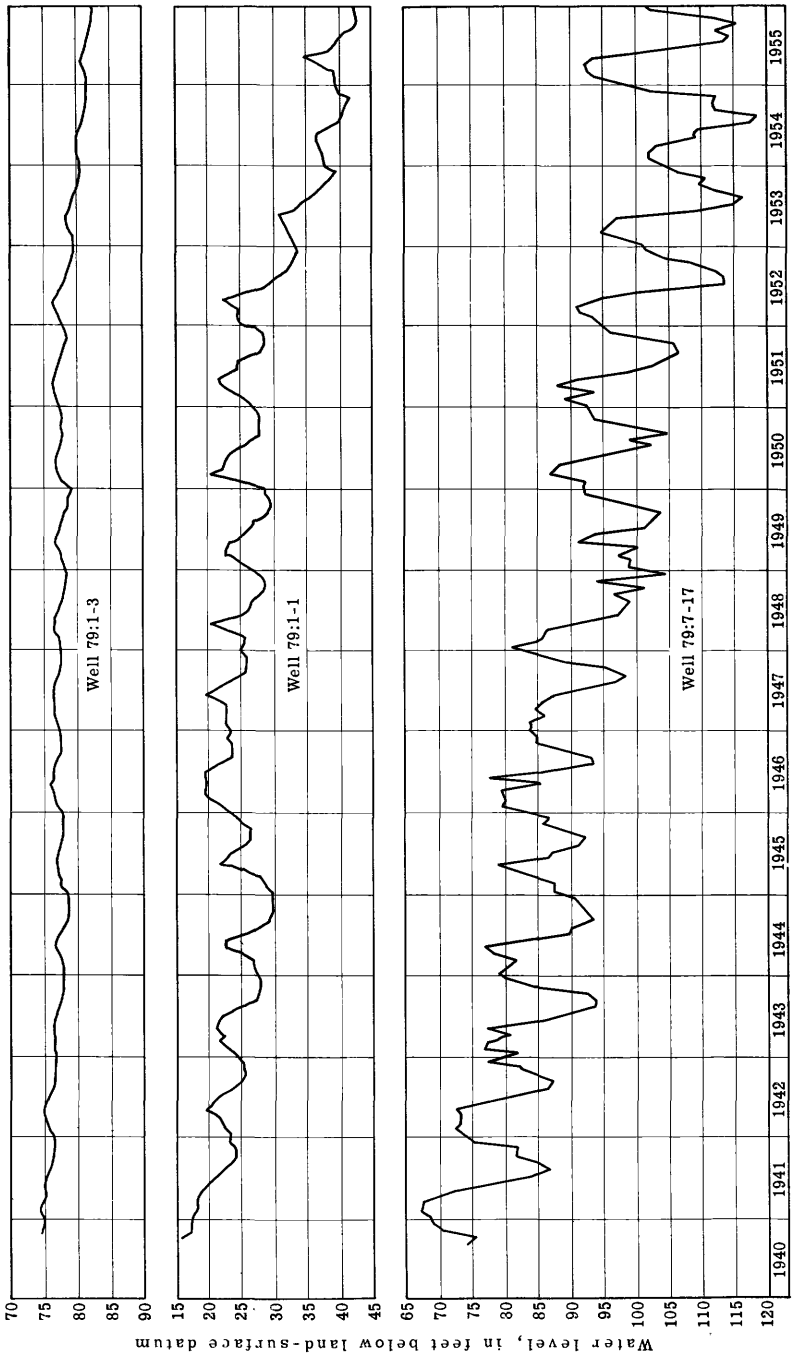


Figure 46.--Water levels in three wells in the "500-foot" sand in the Memphis, Tenn., area, 1940-55.

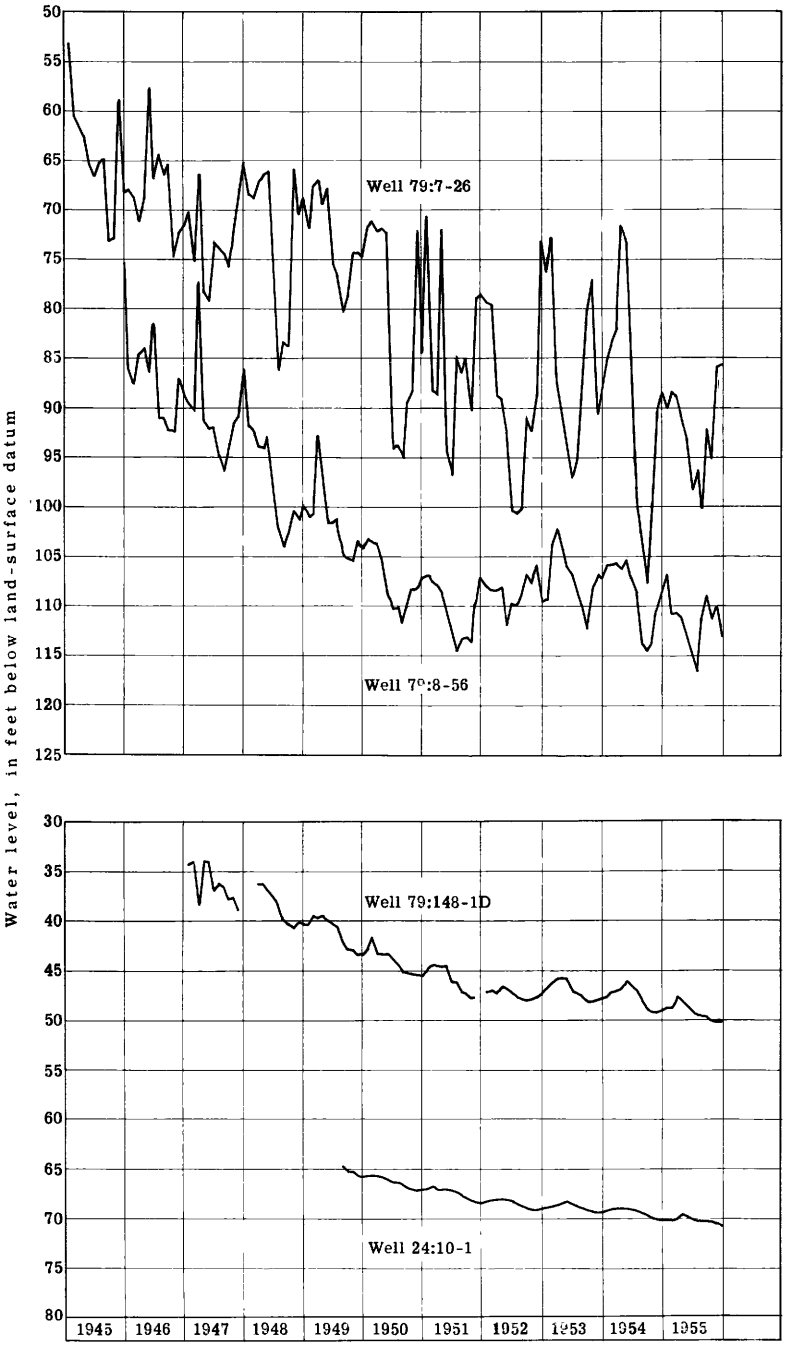


Figure 47. --Water levels in wells in the "1,400-foot" sand in the Memphis, Tenn. area.

Average daily pumpage in the Memphis area

Year	"500-foot" sand (gallons)	"1, 400-foot" sand (gallons)
1941	75, 000, 000	9, 000, 000
1942	85, 000, 000	9, 000, 000
1943	100, 000, 000	11, 000, 000
1944	105, 000, 000	11, 000, 000
1945	95, 000, 000	9, 000, 000
1946	85, 000, 000	9, 000, 000
1947	90, 000, 000	10, 000, 000
1948	100, 000, 000	11, 000, 000
1949	100, 000, 000	11, 000, 000
1950	100, 000, 000	11, 000, 000
1951	105, 000, 000	11, 000, 000
1952	110, 000, 000	11, 000, 000
1953	116, 000, 000	11, 000, 000
1954	119, 000, 000	11, 000, 000
1955	121, 000, 000	12, 000, 000

Interpretation of Water-Level Fluctuations

There was a general decline of water levels in wells screened in the "500-foot" and "1, 400-foot" sands in the Memphis area in 1955, owing primarily to increased pumping. The average decline of water levels in the "500-foot" sand in the Memphis area was about 0. 5 foot from the lowest of 1954 to the lowest of 1955. The decline in the "1, 400-foot" sand was about 1 foot. The greatest decline, about 5 feet, was in the "500-foot" sand in the vicinity of the Thomas H. Allen pumping station, which has been in operation since 1953. The decline in the area was about 11 feet in 1954. The decline in this well field for each succeeding year since 1953 has been about one-half the decline of the previous year. It is expected that the water level will continue to decline until rated pumpage for the station is reached and a normally stable pumping level will be established. The general downward trend of water levels in the Memphis area was not changed appreciably, though a water-level rise in several wells was recorded. Figures 46 and 47 show the water-level fluctuations in the "500-foot" and "1, 400-foot" sands, respectively. Continued heavy industrial and municipal pumping caused water-level declines in many other urban areas in west Tennessee in 1955. The general rise outside the urban areas was caused in part by nearly normal precipitation at optimum times throughout 1955. A reduction in the use of ground water for irrigation and normal to below-normal temperature during the summer considerably reduced the amount of ground-water pumpage. Relief from drought conditions generally caused rises in most observation wells in central and east Tennessee.

Well-Numbering System

Each well number is made up of three items, the first and second of which are separated by a colon, and the second and third by a hyphen. The first item represents the county in which the well is situated, the second is the number assigned the owner or well field, and the third is the number of the well itself. The first item necessitated numbering all the counties in the State in alphabetical order, starting with Anderson County as 1, Bedford County as 2, and so on. To provide for the second item, the owners or the well fields were assigned numbers in consecutive order as the wells were recorded by the U. S. Geological Survey. The third item, the number of the well, corresponds to the number assigned the well by the owner. For example, the number 79:7-17 indicates county 79, Shelby County; well field 7, the Parkway field of the Memphis Light, Gas and Water Division; and well 17 in that field, as numbered by the owner. The Auction Avenue well field of the Memphis Light, Gas and Water Division, where the water of about 100 wells flowed through tunnels into the so-called wet well, is field 3 in Shelby County, and the shafts that were used to inspect the tunnels and drifts of that field, 25 in all, have been lettered to differentiate them from the wells. (See 79:3-A.)

Well Descriptions and Water-Level Measurements

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

Bradley County

6:182-1. F. G. Trewhitt. Near Cleveland. Lat. 35°05'03", long. 84°50'50". Dug unused water-table well in Conasauga shale, diameter 38 inches, depth 30 feet. Land-surface datum is about 850 feet above msl. Highest water level 7. 82 below lsd, Mar. 30, 1951; lowest 24. 97 below lsd, Dec. 7-8, 1954. Records available: 1950-55.

6:182-1--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	24.31	23.10	20.26	16.09	14.77	16.04	18.52	20.00	21.32	22.52	23.38	.....
2	24.25	23.06	20.30	15.99	14.92	16.10	18.62	20.02	21.35	22.56	23.40	.....
3	24.19	23.07	20.24	15.93	15.02	16.14	18.68	20.06	21.40	22.59	23.43	.....
4	24.14	23.07	20.17	15.85	15.06	16.21	18.73	20.13	21.45	22.62	23.45	.....
5	24.08	23.04	20.18	15.84	15.14	16.28	18.80	20.17	21.49	22.65	23.47	.....
6	24.04	22.96	20.13	15.60	15.25	16.40	18.84	20.20	21.52	22.68	23.49	.....
7	23.99	22.37	20.13	14.37	15.36	16.49	18.90	20.21	.....	22.71	23.51	.....
8	23.97	22.37	20.01	14.33	15.58	16.54	18.97	20.25	.....	.....	23.54	.....
9	23.96	22.32	19.84	14.24	15.72	16.68	18.93	20.31	.....	.....	23.55	.....
10	23.95	22.23	19.68	14.15	15.84	16.72	19.00	20.35	.....	.....	23.56	.....
11	23.94	22.13	19.54	14.04	15.97	16.82	19.10	20.36	.....	.....	23.59	.....
12	23.93	22.10	19.48	14.10	16.07	16.98	19.21	20.40	h21.74	.....	23.62	.....
13	23.93	22.07	19.51	14.08	16.08	17.06	19.29	20.46	21.81	.....	23.65	.....
14	23.89	21.98	19.50	13.86	16.11	17.16	19.30	20.53	21.84	.....	.....	.....
15	23.86	21.87	19.45	14.09	16.27	17.23	19.34	20.56	21.88	.....	.....	.....
16	23.80	21.78	19.47	14.15	16.31	17.30	19.38	20.59	21.92	.....	.....	.....
17	23.74	21.70	19.47	14.11	16.32	17.39	19.35	20.64	21.96	.....	.....	.....
18	23.69	21.66	19.33	14.00	16.37	17.45	19.32	20.70	21.98	.....	.....	.....
19	23.66	21.59	19.26	13.90	16.40	17.52	19.40	20.74	22.00	.....	.....	.....
20	23.63	21.52	19.08	13.80	16.42	17.61	19.45	20.79	22.05	23.08	.....	.....
21	23.61	21.45	18.68	13.70	16.48	17.70	19.50	20.84	22.10	23.10	.....	.....
22	23.58	21.39	17.21	13.58	16.55	17.77	19.54	20.88	22.15	23.14	.....	.....
23	23.53	20.92	17.21	13.59	16.43	17.86	19.56	20.92	22.19	23.16	.....	.....
24	23.47	20.85	16.95	13.67	16.15	17.92	19.60	20.97	22.23	23.19	.....	.....
25	23.43	20.74	16.80	13.97	15.93	18.05	19.66	21.02	22.28	23.21	.....	.....
26	23.30	20.63	16.54	14.15	15.70	18.15	19.72	21.06	22.34	23.24	.....	.....
27	23.24	20.47	16.47	14.20	15.72	18.26	19.75	21.10	22.37	23.26	.....	.....
28	23.20	20.37	16.19	14.37	15.76	18.33	19.77	21.14	22.41	23.27	.....	.....
29	23.15		16.06	14.58	15.79	18.40	19.80	21.18	22.44	23.29	.....	.....
30	23.13		16.08	14.69	15.86	18.46	19.89	21.23	22.47	23.32	.....	.....
31	23.12		16.05		15.96		19.94	21.28		23.35		.....

h Tape measurement.

Campbell County

7:1-6. Jellico Waterworks. Lat. 36°35', long. 84°04'. Drilled unused well, diameter 12 inches, depth 620 feet. Land-surface datum is about 1,020 feet above msl. Highest water level 70.81 below lsd, Feb. 2, 1950; lowest 87.04 below lsd, Aug. 10, 1949. Records available: 1949-54.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	73.53	75.00	73.95	74.05	74.95	75.57	75.96	76.44	76.69	76.92	77.09	.....
2	73.90	75.14	74.05	74.09	74.97	75.57	76.03	76.44	76.73	.....	77.06	.....
3	74.03	75.26	74.05	74.32	75.00	75.55	76.07	76.42	76.72	h76.82	.....	h76.93
4	74.15	75.26	74.19	74.43	74.99	75.55	76.07	76.46	76.78	76.84	.....	76.95
5	74.25	75.11	74.29	74.52	75.01	75.55	76.00	76.49	76.81	76.81	.....	76.89
6	74.54	74.97	74.29	74.46	75.06	75.57	76.00	76.48	76.81	76.80	.....	h76.64
7	74.60	74.62	74.22	74.53	75.05	75.55	75.99	76.47	76.79	76.81	h77.10	.....
8	74.60	74.09	74.19	74.58	75.16	75.53	76.03	76.46	76.87	76.84	h77.13	.....
9	74.66	74.13	74.21	74.61	75.20	75.59	76.00	76.53	76.94	76.80	.....	.....
10	74.67	74.17	74.25	74.61	75.20	75.58	75.98	76.48	h76.88	76.78	.....	.....
11	74.76	74.39	74.31	74.55	75.26	75.50	76.00	76.41	76.94	76.70	.....	.....
12	74.77	74.59	74.33	74.61	75.22	75.55	76.06	76.27	76.97	76.65	.....	.....
13	74.88	74.60	74.39	74.63	75.04	75.59	76.11	76.32	77.03	76.62	.....	.....
14	74.88	74.53	74.35	74.56	75.06	75.61	76.11	76.39	77.04	76.63	h77.13	.....
15	74.86	74.55	74.32	74.59	75.12	75.66	76.07	76.42	77.00	76.64	77.25	h76.60
16	74.89	74.60	74.21	74.61	75.12	75.67	76.13	76.37	77.05	76.69	.....	76.68
17	74.98	74.72	73.29	74.67	75.13	75.70	76.19	76.37	77.08	76.71	h77.28	76.62
18	74.98	74.75	.....	74.71	75.18	75.72	76.22	76.48	77.09	76.82	.....	76.70
19	75.23	74.71	.....	74.72	75.28	75.71	76.26	76.50	77.03	76.93	h77.09	76.80
20	75.23	74.74	.....	74.75	75.31	75.72	76.26	76.50	77.00	76.95	77.18	76.83
21	75.13	74.74	.....	74.73	75.33	75.77	76.25	76.56	77.08	76.93	77.07	76.72
22	75.07	74.69	.....	74.76	75.33	75.77	76.27	76.52	77.13	76.93	.....	76.64
23	75.07	74.62	.....	74.74	75.33	75.83	76.27	76.52	77.13	76.95	h76.98	76.66
24	75.02	74.21	h72.23	74.72	75.28	75.81	76.22	76.56	77.18	h76.90	77.11	76.73
25	75.11	74.24	72.57	74.81	75.28	75.80	76.25	76.60	77.17	.....	76.96	76.85

7:1-6--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	75.12	74.25	73.06	74.88	75.31	75.82	76.30	76.62	77.16	.....	.....	76.85
27	74.97	74.24	73.26	74.85	75.35	75.87	76.32	76.65	77.14	.....	.....	h76.83
28	74.95	74.04	73.41	74.85	75.39	75.91	76.30	76.68	77.13	.....	h76.88	.....
29	74.99		73.69	74.93	75.37	75.93	76.28	76.69	77.10	.....	h76.95	.....
30	75.12		73.85	74.96	75.47	75.95	76.33	76.69	77.07	.....	.....	.....
31	75.10		73.96		75.53		76.40	76.71		h77.04		.....

h Tape measurement.

Carroll County

9:4-2. City of Huntingdon. Fifth Ave. East. Lat. 36°00', long. 88°26'. Drilled unused artesian well in sand of Ripley formation, reported diameter 8 inches, reported depth 269 feet. Highest water level 0.84 below lsd, Apr. 24, 1952; lowest 6.57 below lsd, June 10, 1948. Records available: 1948-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	3.39	Apr. 4	3.53	July 1	2.74	Sept. 30	3.38
Feb. 3	3.25	May 4	2.87	Aug. 3	3.87	Nov. 2	4.20
Mar. 3	3.44	June 2	3.30	Sept. 2	3.81	Dec. 1	3.41

Fayette County

24:10-1. Tennessee Division of Geology and U. S. Geol. Survey. Near Braden. Lat. 35°22'26", long. 89°32'52". Drilled observation artesian well in sand of Wilcox group, diameter 6 to 4 inches, depth 1,025 feet, screen 1,008-1,025. Land-surface datum is 317.5 feet above msl. Highest water level 64.89 below lsd, Aug. 31, 1949; lowest 71.06 below lsd, Dec. 30, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	70.22	70.17	69.97	.....	.....	69.89	70.09	70.28	70.62	70.82	70.82	70.99
2	.....	70.23	70.01	.....	.....	69.89	70.13	70.29	70.60	70.82	70.90	70.80
3	70.25	70.30	69.94	.....	.....	69.87	70.18	70.32	70.60	70.82	70.92	70.83
4	70.24	70.30	69.94	h69.76	h69.81	69.83	70.17	70.36	70.62	70.79	70.92	70.92
5	70.15	70.21	70.02	.....	69.81	69.79	70.11	70.38	70.64	70.74	70.85	70.92
6	70.28	70.05	70.03	.....	69.81	69.77	70.08	70.37	70.64	70.74	70.85	70.88
7	h70.28	70.09	70.07	.....	69.79	69.79	70.06	70.34	70.62	70.86	70.90	70.72
8	.....	70.09	70.03	.....	69.84	69.78	70.06	70.33	70.67	70.90	70.92	70.89
9	.....	70.06	69.97	.....	69.84	69.80	70.09	70.29	70.70	70.89	70.87	70.97
10	.....	70.14	69.90	.....	69.84	69.75	70.09	70.33	70.71	70.88	70.72	70.98
11	70.22	70.21	69.88	.....	69.85	69.76	70.09	70.33	70.71	70.85	70.78	70.99
12	70.22	70.31	69.98	.....	69.78	69.85	70.12	70.34	70.71	70.76	70.85	70.99
13	70.31	70.28	70.03	.....	69.73	69.88	70.17	70.36	70.71	70.74	70.88	70.95
14	70.28	70.15	69.97	.....	69.76	69.91	70.17	70.42	70.71	70.70	70.86	70.99
15	70.16	70.10	69.97	.....	69.78	69.91	70.13	70.44	70.71	70.70	70.77	71.00
16	70.15	70.11	69.99	.....	69.78	69.92	70.16	70.43	70.71	70.70	70.96	71.00
17	70.14	70.15	69.97	.....	69.80	69.94	70.18	70.41	70.71	70.72	70.97	70.86
18	70.14	70.09	69.93	.....	69.82	69.95	70.21	70.45	70.71	70.81	70.97	71.01
19	70.28	70.04	69.87	.....	69.82	69.94	70.24	70.47	70.71	70.87	70.95	71.04
20	70.28	70.08	69.80	.....	69.78	69.96	70.24	70.48	70.71	70.88	70.95	71.01
21	70.20	70.06	69.84	.....	69.73	69.97	70.20	70.49	70.71	70.88	70.88	70.94
22	70.20	70.04	69.84	.....	69.80	69.96	70.17	70.48	70.71	70.88	70.78	70.90
23	70.20	70.09	69.85	.....	69.85	69.97	70.16	70.48	70.71	70.89	70.91	70.77
24	70.16	70.11	69.85	.....	69.79	69.96	70.09	70.51	70.71	70.95	70.95	70.83
25	70.21	70.11	70.00	.....	69.82	69.96	70.15	70.55	70.71	70.94	70.89	70.95
26	70.21	70.02	70.00	.....	69.79	70.01	70.19	70.57	70.71	70.86	70.89	70.96
27	70.24	69.97	70.00	.....	69.80	70.04	70.22	70.56	70.71	70.86	70.89	70.97
28	70.22	69.92	69.93	.....	69.72	70.06	70.21	70.56	70.71	70.80	70.93	70.99
29	70.23		69.95	.....	69.76	70.06	70.21	70.55	70.71	70.74	71.01	71.02
30	70.26		.....	.....	69.79	70.07	70.21	70.55	70.77	70.81	71.03	71.06
31	70.26		.....		69.86		70.27	70.60		70.81		71.05

h Tape measurement.

24:10-2. Tennessee Division of Geology and U. S. Geol. Survey. Near Braden. Lat. 35°22'26", long. 89°32'52". Drilled observation artesian well in sand of Claiborne group, diameter 6 to 4 inches, depth 365 feet, screen 345-365. Land-surface datum is 317.2 feet above msl. Highest water level 37.25 below lsd, Mar. 10, 1952; lowest 40.93 below lsd, Dec. 30, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	40.39	40.49	40.33	40.25	40.11	40.13	h40.25	40.35	40.51	40.61	40.67	40.85
2	40.48	40.56	40.40	40.06	40.06	40.13	40.30	40.35	40.51	40.62	40.73	40.71
3	40.48	40.61	40.40	40.09	40.07	40.11	40.33	40.37	40.50	40.62	40.78	40.69
4	40.48	40.60	40.35	40.10	40.07	40.07	40.33	40.37	40.52	40.62	40.78	40.78
5	40.43	40.50	40.42	40.12	40.06	40.05	40.27	40.38	40.54	40.59	40.78	40.78
6	40.50	40.38	40.44	40.07	40.05	40.00	40.24	40.38	40.53	40.59	40.71	40.78
7	40.55	40.43	40.49	40.18	40.08	40.00	40.22	40.38	40.51	40.66	40.72	40.67
8	40.50	40.43	40.49	40.23	40.08	40.01	40.23	40.35	40.52	40.69	40.76	40.82
9	40.45	40.42	40.45	40.22	40.08	40.03	40.26	40.30	40.57	40.69	40.76	40.87
10	40.45	40.43	40.36	40.18	40.09	40.02	40.26	40.32	40.58	40.68	40.71	40.88
11	40.51	40.55	40.30	40.00	40.03	40.01	40.26	40.32	40.59	40.66	40.62	40.88
12	40.50	40.65	40.36	39.97	39.99	40.08	40.28	40.33	40.62	40.60	40.69	40.87
13	40.58	40.64	40.43	39.85	40.03	40.10	40.31	40.34	40.62	40.57	40.71	40.82
14	40.54	40.55	40.43	39.96	40.04	40.11	40.31	40.38	40.62	40.55	40.71	40.84
15	40.48	40.47	40.38	40.00	40.04	40.11	40.25	40.40	40.60	40.56	40.70	40.85
16	40.48	40.44	40.43	40.00	40.06	40.12	40.29	40.40	40.59	40.57	40.78	40.85
17	40.48	40.50	40.43	40.01	40.08	40.13	40.30	40.39	40.61	40.59	40.84	40.77
18	40.48	40.49	40.38	40.01	40.08	40.14	40.33	40.39	40.61	40.66	40.84	40.89
19	40.60	40.43	40.37	40.00	40.05	40.14	40.35	40.41	40.60	40.71	40.75	40.90
20	40.59	40.44	40.33	40.01	40.01	40.14	40.35	40.41	40.56	40.71	40.77	40.89
21	40.48	40.45	40.18	40.00	40.06	40.15	40.31	40.42	40.58	40.71	40.77	40.83
22	40.50	40.44	40.22	39.93	40.12	40.15	40.28	40.42	40.60	40.71	40.71	40.78
23	40.51	40.49	40.26	39.86	40.12	40.15	40.28	40.42	40.60	40.71	40.74	40.68
24	40.50	40.50	40.27	39.84	40.08	40.15	40.22	40.43	40.59	40.75	40.77	40.77
25	40.57	40.51	40.22	39.97	40.10	40.15	40.25	40.45	40.62	40.75	40.77	40.82
26	40.57	40.48	40.34	40.01	40.08	40.17	40.29	40.48	40.62	40.68	40.76	40.85
27	40.58	40.38	40.40	40.00	40.01	40.19	40.31	40.48	40.62	40.67	40.73	40.85
28	40.56	40.36	40.40	40.01	40.05	.....	40.30	40.47	40.62	40.65	40.77	40.88
29	40.56		40.32	40.08	40.07	.....	40.29	40.47	40.61	40.60	40.83	40.90
30	40.58		40.31	40.12	40.09	.....	40.29	40.44	40.58	40.64	40.85	40.93
31	40.56		40.31		40.11		40.33	40.48		40.67		40.92

h Tape measurement.

Henry County

40:1-5. Paris Board of Public Utilities. Fentress and West Blythe Sts. Lat. 36°18', long. 88°20'. Drilled unused artesian well in sand of Ripley formation, diameter 8 inches, depth 25 feet. Land-surface datum is about 510 feet above msl. Highest water level 104.10 below lsd, May 4, 1955; lowest 130.32 below lsd, Nov. 27, 1953. Records available: 1945, 1947-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	110.53	Apr. 4	112.64	July 7	111.76	Sept. 30	115.60
Feb. 3	112.44	May 4	104.10	Aug. 10	111.31	Nov. 2	111.20
Mar. 3	111.99	June 2	106.52	Sept. 13	109.99	Dec. 1	110.98

Madison County

57:5-6. City of Jackson. Mobile and Magnolia Sts. Lat. 35°36'18", long. 88°48'26". Drilled observation artesian well, diameter 2 inches, depth 149 feet. Land-surface datum is 360.4 feet above msl. Highest water level 25.12 below lsd, June 2, 1949; lowest 63.98 below lsd, Aug. 7, 1952. Records available: 1944-45, 1947-55.

57:5-6--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	28.09	Apr. 4	32.12	July 1	42.48	Sept. 30	57.16
Feb. 3	39.14	May 4	36.03	Aug. 3	42.98	Nov. 2	33.43
Mar. 3	26.56	June 2	31.62	Sept. 2	42.22	Dec. 2	35.30

57:36-1. Tennessee Division of Geology and U. S. Geol. Survey. Near Claybrook. Lat. 35°42'26", long. 88°37'47". Drilled observation artesian well in sand of Ripley formation, diameter 6 to 4 inches, depth 659 feet, screen 639-659. Land-surface datum is 562.7 feet above msl. Highest water level 124.50 below lsd, Mar. 10, 1952; lowest 128.19 below lsd, Sept. 26-27, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	127.50	127.59	127.30	127.19	127.22	127.23	127.54	127.66	127.98	127.98	127.91	128.10
2	127.58	127.62	127.34	127.14	127.22	127.27	127.60	127.69	127.98	127.98	128.06	127.93
3	127.58	127.69	127.30	127.14	127.24	127.26	127.62	127.72	127.96	127.98	128.08	127.92
4	127.58	127.65	127.29	127.18	127.24	127.24	127.61	127.74	127.99	127.98	128.09	128.00
5	127.54	127.55	127.35	127.20	127.22	127.23	127.60	127.76	128.00	127.95	128.05	128.00
6	127.61	127.41	127.35	127.18	127.24	127.20	127.53	127.77	128.00	127.94	128.01	127.98
7	127.61	127.44	127.34	127.17	127.24	127.23	127.49	127.75	127.99	127.97	128.06	127.89
8	127.59	127.44	127.32	127.20	127.25	127.23	127.42	127.71	128.02	127.99	128.09	127.98
9	127.55	127.43	127.30	127.20	127.27	127.26	127.45	127.68	128.06	127.99	128.07	128.05
10	127.56	127.47	127.25	127.18	127.27	127.25	127.45	127.71	128.07	127.99	127.97	128.06
11	127.58	127.53	127.22	127.06	127.29	127.20	127.45	127.71	128.08	127.98	127.99	128.06
12	127.58	127.60	127.28	127.04	127.21	127.25	127.50	127.71	128.12	127.92	128.04	128.06
13	127.63	127.59	127.34	126.98	127.17	127.28	127.53	127.73	128.12	127.89	128.06	128.04
14	127.62	127.48	127.31	127.04	127.20	127.31	127.54	127.78	128.14	127.87	128.06	128.04
15	127.54	127.46	127.25	127.07	127.22	127.32	127.47	127.80	128.12	127.87	128.00	128.06
16	127.54	127.44	127.32	127.07	127.22	127.34	127.48	127.78	128.12	127.87	128.10	128.06
17	127.55	127.47	127.32	127.10	127.25	127.36	127.52	127.78	128.14	127.88	128.14	127.97
18	127.55	127.46	127.24	127.10	127.25	127.38	127.54	127.80	128.14	127.96	128.13	128.07
19	127.65	127.42	127.22	127.10	127.27	127.37	127.56	127.83	128.13	128.02	128.07	128.10
20	127.64	127.43	127.19	127.13	127.25	127.39	127.56	127.84	128.10	128.02	128.08	128.08
21	127.55	127.42	127.07	127.10	127.21	127.41	127.55	127.85	128.13	128.02	128.04	128.02
22	127.57	127.34	127.12	127.05	127.16	127.40	127.54	127.85	128.14	128.02	127.97	127.99
23	127.57	127.39	127.13	127.01	127.22	127.42	127.52	127.86	128.14	128.02	128.03	127.91
24	127.55	127.41	127.15	126.99	127.19	127.41	127.50	127.87	128.14	128.07	128.06	127.95
25	127.61	127.42	127.11	127.09	127.22	127.42	127.53	127.91	128.18	128.07	128.02	128.03
26	127.63	127.38	127.23	127.11	127.21	127.46	127.56	127.93	128.19	128.01	128.01	128.05
27	127.63	127.34	127.26	127.10	127.22	127.50	127.56	127.93	128.19	128.01	127.99	128.06
28	127.61	127.30	127.24	127.13	127.19	127.50	127.56	127.93	128.18	127.99	128.03	128.08
29	127.61		127.22	127.20	127.13	127.53	127.59	127.93	128.15	127.94	128.10	128.09
30	127.66		127.23	127.22	127.16	127.54	127.60	127.91	128.10	127.98	128.12	128.11
31	127.65		127.22		127.22		127.66	127.95		127.91		128.11

57:36-2. Tennessee Division of Geology and U. S. Geol. Survey. Near Jackson. Lat. 35°37'33", long. 88°50'49". Drilled observation artesian well in sand of Ripley formation, diamter 6 to 4 inches, depth 780 feet, screen 761-780. Land-surface datum is 352.1 feet above msl. Highest water level 51.5 above lsd, June 30, 1950; lowest 45.5 above lsd, Jan. 1, 1954. Records available: 1949-55.

57:36-2--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7	+48.50	Apr. 8	+48.15	July 8	+49.10	Oct. 7	+48.10
14	48.70	15	48.20	15	49.20	19	48.00
21	48.60	22	48.30	22	49.10	26	48.00
28	48.45	29	48.00	29	49.10	Nov. 2	48.00
Feb. 4	48.60	May 11	48.10	Aug. 6	49.10	9	47.70
11	48.45	13	48.20	12	49.00	16	48.00
18	48.70	20	48.20	19	48.80	18	48.10
25	48.90	27	48.30	26	48.70	25	47.80
Mar. 8	48.70	June 3	48.20	Sept. 6	48.30	Dec. 6	47.90
11	48.80	10	48.20	10	48.20	9	47.60
18	49.00	17	48.20	16	48.20	16	47.60
25	48.60	24	48.20	24	48.10	27	47.80
Apr. 1	48.15	July 1	48.20	30	48.20	30	47.60

Shelby County

79:1-1. Memphis Light, Gas and Water Division. Lat. 35°14'35", long. 90°00'52". Drilled observation artesian well in sand of Claiborne group, diameter 6 inches, depth 434 feet. Land-surface datum is 228.7 feet above msl. Highest water level 12.65 below lsd, Sept. 3, 1940; lowest 42.81 below lsd, Oct. 8, 1955. Records available: 1940-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	38.12	38.89	36.65	33.23	35.08	38.30	39.62	39.95	40.99	42.74	41.92	40.68
2	38.11	39.03	36.55	33.00	35.10	38.25	39.81	39.95	41.10	42.77	42.05	40.57
3	37.92	39.13	36.43	32.93	35.15	38.14	39.94	40.03	41.22	42.78	42.09	40.66
4	37.57	39.14	36.37	32.88	35.26	38.02	39.98	40.10	41.28	42.75	42.07	40.84
5	37.50	39.11	36.38	32.88	35.45	38.06	39.91	40.16	41.28	42.70	42.00	40.88
6	37.73	38.95	36.35	32.91	35.59	38.03	39.74	40.21	41.19	42.71	41.94	40.87
7	37.78	38.94	36.19	33.15	35.71	38.03	39.67	40.22	40.88	42.78	41.94	40.86
8	37.79	38.88	35.95	33.43	35.84	38.07	39.80	40.15	40.76	42.81	41.92	41.09
9	37.79	38.88	35.87	34.05	35.84	38.14	39.90	39.99	40.87	42.74	41.85	41.22
10	37.76	38.78	35.81	34.25	35.87	38.16	39.92	40.03	41.01	42.59	41.72	41.25
11	37.66	38.83	35.79	34.13	36.11	38.23	39.89	40.07	41.17	42.46	41.70	41.25
12	37.57	38.81	35.86	34.01	36.31	38.36	39.77	40.08	41.30	42.33	41.76	41.19
13	37.60	38.72	35.87	33.85	36.59	38.39	39.81	40.07	41.40	42.23	41.76	41.05
14	37.54	38.44	35.75	33.89	36.89	38.36	39.85	40.00	41.46	42.19	41.69	40.98
15	37.55	38.24	35.46	34.22	37.08	38.26	39.86	39.84	41.47	42.18	41.44	41.00
16	37.53	37.99	35.50	34.63	37.18	38.27	39.90	39.64	41.56	42.16	41.33	41.01
17	37.50	37.92	35.50	34.72	37.22	38.27	39.90	39.59	41.65	42.15	41.35	40.92
18	37.42	37.87	35.26	34.67	37.29	38.28	39.81	39.79	41.72	42.08	41.31	41.06
19	37.65	37.79	35.22	34.54	37.37	38.38	39.78	40.03	41.76	42.01	41.25	41.14
20	37.68	37.83	35.01	34.49	37.40	38.43	39.87	40.19	41.84	41.96	41.26	41.10
21	37.83	37.83	34.72	34.38	37.43	38.50	39.97	40.23	41.98	41.89	41.18	41.06
22	38.09	37.79	34.48	34.39	37.50	38.61	40.12	40.22	42.13	41.84	41.06	41.05
23	38.19	37.86	34.31	34.37	37.51	38.75	40.20	40.21	42.21	41.86	41.09	41.07
24	38.27	37.90	34.24	34.55	37.46	38.91	40.19	40.31	42.35	41.96	41.12	41.17
25	38.46	37.90	34.33	34.59	37.58	39.14	39.93	40.44	42.39	41.95	41.00	41.20
26	38.61	37.76	34.35	34.63	37.71	39.32	39.84	40.55	h42.45	41.91	40.84	41.14
27	38.74	37.45	34.28	34.70	37.74	39.41	39.84	40.61	42.50	41.93	40.58	40.93
28	38.95	37.11	34.00	34.84	37.81	39.44	39.81	40.61	42.53	41.91	40.53	40.73
29	39.01		33.71	34.96	.....	39.41	39.88	40.55	42.56	41.90	40.61	40.68
30	39.11		33.55	35.04	h38.08	39.44	39.92	40.66	42.65	41.94	40.67	40.79
31	39.09		33.36		38.26		39.97	40.84		41.94		40.80

h Tape measurement.

79:1-2. Memphis Light, Gas and Water Division. Lat. 35°13'25", long. 89°53'57". Drilled observation artesian well in sand of Claiborne group, diameter 6 inches, depth 344 feet. Land-surface datum is 299.8 feet above msl. Highest water level 63.33 below lsd, Sept. 27, 1940; lowest 88.30 below lsd, Oct. 10, 1955. Records available: 1940-55.

79:1-2--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	85.07	85.44	85.07	84.35	83.98	85.27	86.05	86.69	87.08	88.16	87.99	87.67
2	85.15	85.50	85.09	84.15	84.04	85.30	86.12	86.69	87.11	88.18	88.08	87.45
3	85.13	85.57	85.03	84.09	84.05	85.30	86.20	86.68	87.17	88.20	88.12	87.43
4	85.06	85.57	84.98	84.01	84.04	85.30	86.19	86.68	87.24	88.20	88.11	.....
5	84.94	85.49	85.06	84.01	84.04	85.28	86.10	86.68	87.29	88.16	88.07	h87.51
6	84.99	85.32	85.06	83.91	84.09	85.22	86.08	86.68	87.30	88.16	88.01	87.50
7	84.99	85.35	85.04	83.84	84.14	85.22	86.07	86.66	87.28	88.24	h88.04	87.40
8	84.97	85.33	84.97	83.81	84.23	85.23	86.15	86.54	87.29	.....	88.07	87.50
9	84.95	85.30	84.86	83.78	84.27	85.26	86.22	86.42	87.35	.....	88.06	87.60
10	84.97	85.35	84.74	83.77	84.30	85.26	86.25	86.39	87.39	h88.30	87.95	.....
11	85.00	85.44	84.70	83.70	84.33	85.31	86.27	86.36	87.41	88.29	87.89	.....
12	84.97	85.56	84.81	83.67	84.31	85.42	86.27	86.31	87.47	88.25	87.96	h87.67
13	85.04	85.56	84.87	83.52	84.38	85.47	86.31	86.30	87.51	.....	87.99	87.66
14	85.02	85.47	84.83	83.48	84.48	85.47	86.31	86.33	87.55	.....	87.97	87.87
15	84.98	85.43	84.70	83.48	84.55	85.39	86.28	86.31	87.57	.....	87.90	.....
16	84.97	85.34	84.75	83.50	84.60	85.42	86.34	86.27	87.59	.....	87.96	.....
17	84.96	85.38	84.75	83.61	84.64	85.48	86.42	86.22	87.67	h88.14	87.99	.....
18	84.93	85.37	84.65	83.68	84.69	85.53	86.46	86.27	87.69	88.17	87.97	.....
19	84.99	85.30	84.60	83.70	84.75	85.58	86.48	86.33	87.70	.....	87.83	h87.71
20	84.99	85.32	84.56	83.71	84.76	85.61	86.50	86.43	87.70	.....	87.84	87.68
21	84.91	85.33	84.41	83.65	84.80	85.63	86.50	86.48	87.75	.....	87.77	87.61
22	85.03	85.23	84.36	83.57	84.90	85.65	86.54	86.51	87.80	.....	87.68	87.57
23	85.05	85.21	84.25	83.46	84.98	85.69	86.60	86.50	87.79	.....	87.74	87.44
24	85.10	85.21	84.04	83.54	84.96	85.74	86.62	86.55	87.86	h88.17	87.77	87.49
25	85.23	85.23	84.19	83.65	85.01	85.83	86.61	86.63	87.92	88.16	87.72	87.59
26	85.25	85.19	.....	83.71	85.05	85.90	86.63	86.71	87.95	88.09	87.69	h87.55
27	85.32	85.17	.....	83.71	85.06	85.95	86.64	86.78	87.99	88.04	87.63	87.58
28	85.40	85.13	h84.46	83.78	85.01	85.98	86.61	86.85	88.04	87.99	87.65	87.51
29	85.43		84.45	83.89	85.08	86.00	86.61	86.89	88.04	.....	87.68	87.46
30	85.54		84.45	83.96	85.15	86.02	86.64	86.94	88.09	.....	87.69	87.44
31	85.54		84.41		85.22		86.69	87.02		h88.00		87.43

h Tape measurement.

79:1-3. Memphis Light, Gas and Water Division. Lat. 35°08'59", long. 89°47'59". Drilled observation artesian well in sand of Claiborne group, diameter 6 inches, depth 384 feet. Land-surface datum is 330.4 feet above msl. Highest water level 74.08 below lsd, Dec. 27, 1940; lowest 82.46 below lsd, Dec. 30-31, 1955. Records available: 1940-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.55	81.59	81.36	80.94	80.65	81.07	81.29	81.53	81.76	82.04	82.22	82.42
2	81.65	81.68	81.43	80.77	80.59	81.07	81.33	81.53	81.76	82.06	82.21	82.17
3	81.65	81.77	81.43	80.77	80.61	81.06	81.39	81.55	81.73	82.06	82.35	82.14
4	81.63	81.77	81.40	80.78	80.62	81.03	81.34	81.59	81.75	82.04	82.37	82.25
5	81.55	81.64	81.44	80.82	80.62	81.03	81.31	81.61	81.80	81.99	82.31	82.31
6	81.64	81.48	81.47	80.77	80.64	80.99	81.25	81.60	81.81	81.97	82.19	82.32
7	81.66	81.57	81.51	80.82	80.63	81.02	81.23	81.57	81.79	82.06	82.26	82.21
8	81.63	81.59	81.51	80.85	80.72	81.04	81.26	81.51	81.79	82.14	82.31	82.22
9	81.54	81.59	81.45	80.84	80.75	81.06	81.30	81.45	81.84	82.14	82.31	82.37
10	81.54	81.53	81.33	80.77	80.76	81.06	81.32	81.51	81.88	82.17	82.17	82.41
11	81.63	81.71	81.26	80.55	80.78	81.04	81.34	81.51	81.89	82.14	82.11	82.43
12	81.63	81.79	81.31	80.53	80.77	81.12	81.36	81.51	81.92	82.09	82.22	82.43
13	81.70	81.79	81.39	80.42	80.70	81.17	81.38	81.52	81.93	82.03	82.28	82.38
14	81.69	81.63	81.40	80.43	80.77	81.18	81.40	81.57	81.94	82.04	82.30	82.32
15	81.56	81.54	81.32	80.48	80.81	81.14	81.33	81.59	81.94	82.06	82.26	82.35
16	81.57	81.47	81.40	80.47	80.82	81.14	81.37	81.58	81.91	82.08	82.30	82.36
17	81.58	81.58	81.42	80.45	80.84	81.15	81.40	81.55	81.93	82.09	82.43	82.27
18	81.58	81.58	81.35	80.46	80.86	81.16	81.42	81.57	81.96	82.15	82.43	82.27
19	81.73	81.53	81.35	80.44	80.89	81.16	81.45	81.61	81.95	82.25	82.28	82.38
20	81.74	81.52	81.31	80.43	80.88	81.16	81.47	81.66	81.90	82.31	82.33	82.40
21	81.62	81.56	81.14	80.41	80.82	81.20	81.45	81.67	81.93	82.31	82.32	82.37
22	81.58	81.55	81.14	80.38	80.90	81.21	81.42	81.66	81.98	82.27	82.21	82.33
23	81.63	81.57	81.14	80.31	80.98	81.22	81.42	81.60	81.98	82.25	82.25	82.19
24	81.61	81.59	81.03	80.25	80.97	81.23	81.39	81.59	81.96	82.27	82.35	82.21
25	81.71	81.60	80.95	80.50	80.98	81.24	81.41	81.63	82.02	82.27	82.35	82.32

79:1-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	81.72	81.52	81.09	80.57	81.00	81.26	81.45	81.66	82.03	82.23	82.31	82.37
27	81.71	81.41	81.13	80.54	80.99	81.29	81.48	81.66	82.03	82.16	.....	82.40
28	81.68	81.40	81.09	80.53	80.95	81.31	81.48	81.66	82.02	82.15	h82.27	82.42
29	81.67		80.99	80.62	81.00	81.31	81.46	81.67	82.00	82.08	82.37	82.44
30	81.71		80.99	80.66	81.03	81.29	81.45	81.67	81.97	82.16	82.42	82.46
31	81.71		80.99		81.06		81.50	81.73		82.21		82.46

h Tape measurement.

79:1-4. Memphis Light, Gas and Water Division. Lat. 35°03'03", long. 89°51'37". Drilled observation artesian well in sand of Claiborne group, diameter 6 inches, depth 578 feet. Land-surface datum is 332.4 feet above msl. Highest water level 78.00 below lsd, Dec. 30, 1940; lowest 88.29 below lsd, Dec. 12, 31, 1955. Records available: 1940-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	86.98	87.08	87.05	87.10	87.09	87.35	87.52	87.64	87.83	87.99	88.07	88.27
2	87.01	86.95	87.05	86.93	87.09	87.36	87.52	87.65	87.84	88.02	88.08	88.14
3	87.04	87.04	87.06	86.85	87.09	87.36	87.54	87.66	87.84	88.05	88.20	88.03
4	87.04	87.07	87.06	86.88	87.09	87.35	87.55	87.68	87.85	88.05	88.23	88.07
5	87.03	87.07	87.08	86.90	87.09	87.34	87.55	87.71	87.86	88.04	88.22	88.14
6	86.96	86.94	87.11	86.91	87.09	87.30	87.54	87.72	87.87	88.00	88.13	88.15
7	87.01	86.93	87.16	86.98	87.09	87.28	87.51	87.72	87.86	87.98	88.13	88.12
8	87.02	86.97	87.18	87.03	87.11	87.29	87.49	87.72	87.85	88.02	88.17	88.05
9	87.01	86.98	87.18	87.05	87.15	87.29	87.49	87.67	87.87	88.05	88.17	88.18
10	86.99	86.98	87.15	87.05	87.17	87.29	87.50	87.68	87.89	88.10	88.11	88.25
11	87.01	87.07	87.04	86.93	87.18	87.29	87.50	87.68	87.91	88.10	87.98	88.28
12	87.01	87.17	87.02	86.88	87.18	87.31	87.51	87.68	87.96	88.08	88.04	88.29
13	87.06	87.20	87.08	86.77	87.16	87.35	87.53	87.68	87.98	87.91	88.10	88.28
14	87.06	87.19	87.09	86.80	87.14	87.36	87.54	87.70	87.99	87.92	88.13	88.24
15	87.05	87.14	87.09	86.87	87.15	87.37	87.54	87.72	87.99	87.92	88.12	88.23
16	87.01	87.06	87.10	86.90	87.16	87.37	87.54	87.72	87.98	87.93	88.07	88.24
17	87.00	87.02	87.13	86.93	87.16	87.37	87.55	87.71	87.97	87.95	88.21	88.21
18	86.99	87.03	87.12	86.96	87.17	87.37	87.57	87.69	87.98	88.00	88.23	88.12
19	87.02	87.03	87.12	86.96	87.17	87.37	87.59	87.70	87.98	88.10	88.21	88.22
20	87.06	87.03	87.10	86.96	87.17	87.38	87.60	87.72	87.96	88.16	88.23	88.24
21	87.06	87.05	87.00	86.96	87.16	87.39	87.60	87.73	87.93	88.17	88.23	88.23
22	86.99	87.08	86.94	86.91	87.15	87.39	87.58	87.74	87.95	88.17	88.17	88.20
23	87.00	87.12	87.01	86.89	87.21	87.40	87.57	87.73	87.95	88.16	88.10	88.10
24	87.00	87.16	87.03	86.79	87.22	87.40	87.56	87.72	87.95	88.17	88.20	88.01
25	87.04	87.18	87.03	86.83	87.22	87.42	87.55	87.74	87.99	88.17	88.20	88.09
26	87.07	87.18	87.10	86.91	87.23	87.43	87.57	87.75	88.02	88.16	88.20	88.16
27	87.09	87.15	87.16	86.94	87.23	87.49	87.60	.....	88.02	88.10	88.19	88.20
28	87.09	87.11	87.17	86.96	87.23	87.51	87.61	.....	88.02	88.06	88.17	88.22
29	87.09		87.16	87.02	87.26	87.52	87.61	h87.78	88.02	87.93	88.23	88.25
30	87.09		87.14	87.07	87.30	87.52	87.60	87.78	88.00	87.99	88.27	88.28
31	87.10		87.14		87.33		87.61	87.80		88.06		88.29

h Tape measurement.

79:3-A. Memphis Light, Gas and Water Division. Fifth St. and Sycamore Ave. Lat. 35°09'24", long. 90°02'33". Unused work shaft connected to artesian wells in sands of Claiborne group, diameter 30 inches, depth 98 feet. Land-surface datum is 229.7 feet above msl. Highest water level 19.09 below lsd, Apr. 1, 1933; lowest 73.4 below lsd, July 30-Aug. 1, 1954. Records available: 1927-33, 1936-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62.4	64.5	61.5	.....	63.7	70.0	72.0	72.0	71.8	72.2	68.2	67.0
2	62.1	64.6	61.3	.....	63.5	70.3	72.2	71.8	71.8	72.2	68.6	67.1
3	h60.65	64.8	61.3	.....	63.5	70.6	72.2	71.8	71.8	72.1	68.9	67.1
4	.....	65.0	61.5	h58.07	64.0	70.8	72.0	71.8	71.8	71.9	69.0	67.3
5	.....	65.1	61.8	58.4	65.0	70.9	71.6	71.9	71.7	71.8	68.9	67.3
6	.....	65.1	61.8	59.0	65.8	70.8	71.3	71.9	71.4	71.9	68.7	67.2
7	.....	65.0	61.6	59.2	66.0	70.6	71.3	71.8	71.2	71.9	68.4	67.4
8	.....	64.6	61.3	59.3	66.0	70.5	71.6	71.6	71.5	71.9	67.9	67.7
9	.....	64.4	61.2	59.5	65.7	70.5	71.9	71.3	71.7	71.8	67.4	67.8
10	h67.67	64.6	61.2	59.5	65.9	70.5	72.0	71.2	71.8	71.8	67.1	67.7
11	.....	64.6	61.6	59.1	66.2	70.4	71.8	71.0	71.9	71.7	67.2	67.3
12	61.6	64.4	62.0	59.1	66.6	70.2	71.7	71.0	71.8	71.8	67.3	66.7
13	61.9	64.2	62.0	59.3	67.8	69.8	71.8	70.8	71.8	71.8	67.4	65.9
14	62.1	64.0	61.8	60.0	68.0	69.3	71.8	70.8	71.5	71.5	67.2	66.2
15	62.4	63.6	61.3	60.8	68.0	69.1	71.7	70.5	71.5	71.2	66.9	66.4

79:3-A--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	62.4	63.3	61.3	61.1	67.7	68.7	71.7	70.2	71.8	71.0	67.3	66.4
17	62.4	63.0	61.3	61.2	67.2	68.9	71.6	70.1	72.2	h70.28	67.4	66.6
18	62.1	63.1	61.2	61.5	67.3	69.3	71.5	70.1	72.2	69.9	67.4	66.6
19	62.4	63.2	61.2	62.1	67.5	69.5	71.3	70.3	72.0	.....	67.3	66.6
20	62.6	63.3	61.1	62.6	68.4	69.5	71.4	70.6	71.6	.....	67.1	66.2
21	62.9	63.2	60.8	62.8	66.5	69.8	71.6	70.7	72.0	.....	67.1	65.9
22	63.2	62.9	59.7	63.1	68.5	70.1	71.8	70.6	72.0	.....	66.7	65.8
23	63.3	62.9	59.4	63.3	68.2	70.7	71.8	70.5	72.3	.....	67.6	65.7
24	63.2	63.0	59.6	63.5	68.8	71.1	71.7	70.6	72.4	h69.40	68.0	66.1
25	63.2	63.0	59.7	63.4	69.4	71.4	71.5	70.9	72.4	h69.12	68.0	66.1
26	63.4	62.8	59.7	62.4	69.6	71.5	71.4	71.0	72.3	68.9	67.4	65.8
27	63.7	62.8	59.4	62.7	70.4	71.4	71.5	71.4	72.3	68.9	67.0	64.9
28	64.6	62.3	h59.10	63.0	70.7	71.4	71.7	71.5	72.3	69.0	66.9	64.4
29	....		.....	63.2	70.7	71.6	71.8	71.5	72.3	69.0	66.6	64.9
30	....		.....	63.6	70.5	71.7	72.0	71.5	72.3	68.8	66.7	65.2
31	h64.70		.....		70.0		72.0	71.7		68.6		65.2

h Tape measurement.

79:5-193. Memphis Light, Gas and Water Division. Central Ave. and Tanglewood St. Lat. 35°07'36", long. 89°59'32". Drilled unused artesian well in sand of Claiborne group, diameter 12 inches, depth 488 feet. Land-surface datum is 286.7 feet above msl. Highest water level 58.65 below lsd, Apr. 3, 1933; lowest 122.1 below lsd, Sept. 23-24, 1955. Records available: 1928-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	108.8	109.2	108.6	110.3	115.0	117.4	118.8	120.6	121.7	116.2	114.6
2	.....	109.3	109.5	108.6	109.9	115.4	117.5	118.5	120.6	121.4	116.4	114.7
3	.....	109.8	109.7	108.4	110.4	115.6	117.5	118.4	120.5	120.9	116.7	.....
4	h107.55	109.9	109.9	107.7	110.9	115.7	117.1	118.5	120.2	120.6	116.8	.....
5	107.8	109.9	109.9	107.7	111.5	115.7	116.5	118.5	119.9	120.5	116.7	.....
6	108.2	109.4	109.6	108.1	111.8	114.7	116.6	.....	119.4	120.5	116.5	h114.70
7	.....	108.9	108.9	108.3	111.8	115.3	116.9	.....	119.5	120.9	116.0	114.8
8	.....	108.9	109.0	108.6	111.8	115.4	117.2	.....	119.9	120.9	115.8	115.1
9	.....	109.2	109.2	108.6	111.6	115.6	117.3	h117.32	120.3	120.6	115.8	115.2
10	.....	109.7	109.4	108.6	112.2	115.6	117.2	117.4	120.6	120.0	115.6	115.2
11	h107.97	109.9	109.7	107.7	112.7	115.5	117.1	117.5	120.6	120.0	115.8	115.0
12	108.1	109.9	109.8	107.6	113.0	115.2	117.6	117.5	120.3	120.0	115.9	114.6
13	108.5	109.5	109.7	107.8	113.3	114.8	118.2	117.5	120.5	.....	115.9	114.3
14	108.6	109.0	108.9	108.4	113.4	114.6	118.4	117.1	120.6	.....	115.6	114.4
15	108.5	109.4	109.0	108.8	113.3	114.7	118.7	117.0	120.9	.....	115.5	114.4
16	108.1	109.8	109.3	108.9	113.3	114.8	118.7	117.6	121.1	119.2	115.9	114.3
17	107.5	110.0	109.5	108.9	113.5	114.9	118.5	118.0	121.1	118.5	116.2	113.9
16	107.8	110.3	109.7	108.5	113.9	114.9	118.2	118.5	121.0	118.2	116.1	113.7
19	108.3	110.3	109.7	109.0	114.0	114.8	118.4	118.9	120.7	117.5	116.1	113.8
20	108.4	110.1	109.3	109.5	114.5	114.9	118.6	119.0	121.0	117.4	116.0	113.9
21	108.7	109.6	108.4	109.8	114.5	115.3	119.1	119.0	121.3	117.5	115.8	113.9
22	108.8	109.5	108.4	.....	114.3	116.0	119.2	119.1	121.7	117.5	115.5	113.9
23	108.8	109.8	108.6	.....	113.8	116.6	119.2	h119.22	122.1	117.4	115.8	114.0
24	108.7	110.0	108.9	.....	h113.41	117.0	119.1	.....	122.1	117.2	115.8	114.1
25	108.9	110.1	109.1	.....	114.1	117.3	118.6	.....	121.9	117.2	115.7	113.9
26	109.0	110.1	109.2	h110.09	114.6	117.4	118.5	.....	.....	117.2	115.5	113.2
27	109.3	109.9	109.0	110.4	.....	117.0	118.8	.....	h121.12	117.2	115.1	112.8
28	109.6	109.2	108.3	110.4	.....	116.9	119.2	.....	121.4	117.2	114.5	113.0
29	109.8		108.2	110.4	.....	117.0	119.6	.....	121.5	116.9	114.5	113.8
30	109.5		108.3	110.4	.....	117.2	119.6	h120.10	121.7	116.6	114.6	113.6
31	108.8		108.5		h114.72		119.3	120.4		116.1		113.6

h Tape measurement.

79:7-17. Memphis Light, Gas and Water Division. North Parkway and North Garland St. Lat. 35°09'12", long. 90°00'41". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, depth 522 feet, screen 462-522. Land-surface datum is 249.9 feet above msl. Highest water level 59.9 below lsd, Dec. 26, 1940; lowest 118.8 below lsd, July 3, 1954. Records available: 1940-55.

79:7-17--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	91.1	91.3	89.1	92.7	104.2	114.5	111.5	111.3	112.0	102.4	99.2
2	....	91.6	90.1	88.9	93.7	.....	.....	111.1	111.0	110.1	103.1	100.5
3	h88.27	92.5	91.9	87.2	94.1	.....	.....	110.0	110.4	110.4	102.6	101.1
4	88.3	93.1	92.4	89.9	95.6	.....	h108.25	110.2	108.7	109.7	102.7	99.7
5	88.7	93.1	92.6	90.2	96.9	.....	109.3	110.4	107.0	109.4	103.2	100.3
6	89.4	93.1	90.8	90.8	97.3	h105.31	110.4	109.5	109.1	110.7	101.4	100.5
7	91.3	91.7	89.5	91.3	96.5	105.5	109.1	107.2	110.3	111.0	99.8	100.0
8	91.4	91.1	89.7	91.6	95.0	106.1	110.5	106.8	111.4	110.6	99.6	99.9
9	91.5	91.1	89.7	91.8	95.5	108.3	.....	107.7	111.9	108.3	100.0	99.9
10	91.1	90.8	91.3	90.3	97.2	107.6	.....	107.7	112.4	109.3	100.0	99.5
11	90.4	90.5	91.7	90.5	97.6	.....	h109.40	107.7	110.6	109.7	102.0	98.8
12	91.1	90.2	92.0	89.0	99.6	.....	110.0	107.0	110.0	109.0	102.1	97.8
13	91.3	90.5	90.4	89.4	99.3	h102.48	111.3	107.4	110.1	108.4	100.4	97.8
14	91.5	89.9	89.0	91.5	98.9	103.9	112.1	105.7	110.4	108.0	100.8	98.1
15	91.5	89.7	90.4	91.7	97.0	104.5	111.8	106.1	110.9	107.5	101.6	98.4
16	91.4	88.8	89.7	90.8	97.6	105.1	111.4	106.8	112.3	103.3	100.2	98.5
17	90.4	91.4	89.9	89.2	97.8	105.8	109.9	107.2	113.0	103.0	100.6	98.4
18	90.7	92.0	90.1	91.7	98.4	107.2	110.8	107.4	110.9	103.4	100.3	98.1
19	91.4	92.1	90.1	92.3	100.0	105.8	110.6	108.7	109.7	101.2	100.1	98.1
20	92.8	92.1	89.8	92.9	100.7	107.0	111.7	109.7	109.8	103.9	100.1	98.5
21	93.1	91.2	88.3	92.7	99.0	110.5	112.0	108.3	111.0	105.3	99.6	98.5
22	93.3	89.8	88.3	92.8	96.8	111.9	112.2	108.5	115.2	105.5	102.6	98.6
23	93.3	90.3	89.1	93.8	99.5	112.4	111.7	108.7	115.9	103.8	100.9	99.7
24	93.1	90.4	89.6	92.0	100.9	112.5	109.9	108.5	113.3	103.7	100.6	101.8
25	94.0	90.6	89.1	92.6	100.8	112.7	109.9	110.2	111.1	103.7	99.5	100.1
26	94.1	91.2	88.6	92.2	103.1	112.7	110.8	111.0	111.0	103.2	99.0	98.0
27	94.7	90.4	87.3	93.3	103.6	h109.55	111.0	111.5	112.4	103.3	98.5	95.9
28	94.7	89.3	88.1	93.7	104.1	111.7	111.8	109.9	112.7	103.4	97.9	96.3
29	94.7		88.3	93.3	102.1	112.3	112.2	111.0	112.9	101.8	98.0	97.1
30	94.0		88.5	94.0	100.5	113.3	112.1	112.2	112.9	100.8	99.0	97.2
31	92.1		90.2		103.3		110.8	111.6		101.1		96.7

h Tape measurement.

79:7-26. Memphis Light, Gas and Water Division. North Parkway and North Dunlap St. Lat. 35°09'11", long. 90°01'49". Drilled unused artesian well in sand of Wilcox group, diameter 8 inches, depth 1,387 feet. Land-surface datum is 255.4 feet above msl. Highest water level 48.7 below lsd, Jan. 26, 1945; lowest 107.9 below lsd, Sept. 27, 1954. Records available: 1945-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	....	80.4	80.8	80.6	81.9	92.8	96.1	95.0	91.7	.....	77.2	75.8
2	....	80.4	80.9	80.5	81.8	94.2	96.2	93.4	92.2	.....	77.2	75.9
3	h82.29	80.5	78.9	80.6	80.4	92.9	95.9	93.6	90.3	h90.46	77.1	75.7
4	81.5	79.0	79.0	80.6	81.4	.....	93.6	93.7	90.4	95.2	77.1	75.5
5	82.0	78.8	78.9	80.2	81.6	.....	95.7	93.8	90.4	93.6	76.9	75.5
6	83.2	78.6	78.8	79.4	80.1	h92.14	96.0	93.7	90.5	93.4	76.8	75.5
7	81.8	78.5	78.8	78.9	80.0	94.1	96.1	93.1	91.8	91.5	76.8	75.4
8	81.4	87.9	77.6	79.2	79.8	94.2	96.4	92.9	86.9	90.7	76.8	75.4
9	81.1	88.5	81.3	79.5	81.6	.....	96.6	92.5	86.8	90.2	76.8	75.6
10	81.2	88.5	81.5	79.5	81.6	.....	96.6	91.2	86.4	91.3	76.4	75.6
11	81.3	81.3	81.1	79.5	.....	.....	96.7	91.8	86.4	91.6	76.5	75.6
12	81.1	82.2	81.3	79.9	.....	.....	95.2	91.3	88.3	91.7	76.4	75.6
13	80.8	81.2	81.5	81.1	.....	h95.86	.....	90.9	88.8	91.8	76.4	78.0
14	80.7	h80.86	81.5	81.6	.....	.....	.....	90.8	87.3	91.8	76.4	78.1
15	80.8	.....	.....	81.7	.....	.....	.....	92.4	86.9	89.8	76.3	77.7
16	80.8	h78.30	.....	81.4	h81.40	.....	.....	94.4	87.8	80.2	76.6	77.7
17	80.5	80.5	.....	81.4	92.2	.....	.....	94.8	87.9	87.5	78.7	77.7
18	80.2	80.4	.....	81.7	92.2	.....	h92.20	95.1	88.2	81.0	78.9	78.1
19	80.6	80.6	.....	81.9	92.2	.....	93.0	91.1	h89.64	.....	77.0	78.2
20	80.7	80.8	.....	81.6	91.5	h94.90	93.1	90.8	89.2	.....	76.5	79.1
21	80.3	80.8	h81.17	81.2	91.4	.....	94.2	90.7	89.6	.....	85.8	77.6
22	80.5	80.8	81.2	81.4	91.4	h93.92	93.1	90.7	89.8	.....	78.4	77.6
23	80.6	85.3	80.8	81.4	h89.41	94.4	93.6	100.2	88.4	.....	78.7	77.4
24	80.6	81.2	.....	81.6	.....	94.8	94.1	90.8	.....	h76.14	76.4	77.4
25	90.0	81.2	.....	90.4	h90.77	94.7	95.9	90.2	.....	84.9	77.6	77.4

79:7-26--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	90.1	.....	.....	91.2	92.1	94.5	94.4	90.5	h87.69	85.4	77.9	77.0
27	80.9	.....	.....	82.0	92.2	94.7	94.7	88.9	82.0	90.8	78.1	85.7
28	81.1	h80.42	h78.78	82.0	91.8	98.4	95.8	88.8	.....	91.7	78.1	77.3
29	81.1		88.8	81.8	91.8	97.0	96.1	88.8	.....	77.5	77.1	77.8
30	81.1		80.4	81.9	91.5	97.0	95.9	89.9	.....	76.9	77.2	78.1
31	81.0		80.6		93.2		87.0	90.1		88.1		78.0

h Tape measurement.

79:7-34. Memphis Light, Gas and Water Division. Leath and Dunlap Sts. Lat. 35°09'22", long. 90°01'51". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, depth 472 feet. Land-surface datum is 256.7 feet above msl. Highest water level 82.9 below lsd, Mar. 18, 1946; lowest 132.1 below lsd, July 3, 1953. Records available: 1944-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	103.8	103.2	99.2	99.5	105.9	125.8	129.0	122.0	119.4	119.1	110.9	109.3
2	99.8	103.5	101.1	97.2	105.2	126.4	129.0	121.6	118.6	117.6	113.6	106.9
3	98.2	104.7	101.1	96.6	105.5	127.4	128.4	121.7	117.5	116.3	113.6	107.2
4	99.6	104.7	100.8	98.8	108.5	127.3	120.2	121.7	116.7	116.9	112.6	107.3
5	101.6	104.1	100.7	101.8	112.0	126.9	125.2	122.5	114.6	115.8	111.2	108.5
6	101.6	103.8	100.5	101.7	112.0	122.5	125.2	120.5	117.6	117.6	109.9	108.5
7	103.4	101.2	100.9	100.3	110.3	122.6	124.0	117.4	119.3	117.6	h105.56	107.7
8	103.7	102.7	100.2	100.5	108.6	122.4	126.8	116.1	120.5	116.8	108.0	107.7
9	103.7	102.7	100.2	100.6	108.1	122.9	127.2	118.0	121.3	114.6	108.1	107.7
10	102.4	102.2	100.0	100.6	110.2	121.6	126.7	119.0	121.8	115.2	108.3	106.1
11	102.9	100.8	100.9	99.0	111.4	120.1	122.7	118.3	119.7	114.8	108.7	104.7
12	103.4	101.9	101.3	99.0	115.4	118.3	122.3	117.9	117.3	114.4	108.6	105.9
13	104.1	102.6	101.3	99.6	114.6	117.0	123.6	119.1	117.1	112.3	108.4	107.9
14	104.4	100.8	99.4	102.3	110.0	117.1	124.0	118.1	117.2	111.8	h106.13	106.9
15	104.4	101.8	100.2	102.6	108.8	117.5	122.3	115.2	118.9	111.5	108.4	108.1
16	104.1	100.1	101.9	101.8	109.7	119.8	122.0	117.1	121.9	110.0	110.7	108.5
17	103.9	102.9	102.0	102.4	110.0	122.4	121.9	116.2	122.5	h108.26	110.7	108.1
18	105.1	101.7	102.1	105.3	111.3	123.8	120.8	114.4	119.6	109.5	109.7	107.7
19	104.4	101.7	102.0	105.7	119.7	123.7	122.0	117.1	121.0	109.4	109.9	105.4
20	106.3	101.7	.....	105.3	119.8	h120.30	125.6	117.7	120.5	111.9	109.7	105.8
21	105.0	101.1	h99.07	104.1	111.6	125.8	123.9	117.7	124.0	113.1	107.4	106.1
22	104.9	101.4	101.1	104.6	109.7	126.6	123.3	115.5	128.1	113.1	108.8	107.5
23	104.8	102.4	102.7	106.8	112.4	129.6	120.7	117.4	128.4	113.0	109.2	108.3
24	104.6	104.0	102.6	105.3	114.6	126.4	119.3	117.0	123.1	111.4	109.2	108.7
25	105.4	103.1	101.0	103.5	115.2	126.0	121.7	117.1	119.8	111.4	.....	108.3
26	108.6	103.8	98.6	105.0	117.5	125.9	122.3	119.4	120.6	110.6	.....	104.2
27	108.8	100.6	97.6	103.7	116.1	123.8	125.6	119.7	124.6	115.2	.....	104.8
28	106.7	98.5	98.0	104.1	116.1	125.2	124.6	119.6	123.9	115.2	h103.71	107.5
29	106.2		99.9	105.1	114.7	126.3	123.1	122.5	119.7	110.8	105.7	107.8
30	103.9		103.2	105.9	116.4	127.4	122.8	121.7	119.5	109.3	109.1	107.0
31	101.3		100.5		121.8		122.1	119.5		110.6		105.4

h Tape measurement.

79:8-56. Memphis Light, Gas and Water Division. Normal St. and Central Ave. Lat. 35°07'01", long. 89°56'02". Drilled unused artesian well in sand of Wilcox group, diameter 8 inches, depth 1,370 feet. Land-surface datum is 284.2 feet above msl. Highest water level 72.0 below lsd, June 7, 1946; lowest 116.7 below lsd, July 27, 1955. Records available: 1945-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	105.3	101.0	h100.68	106.0	.....	h110.34	.....	111.5	108.6	107.0	h108.11	108.9
2	105.1	104.6	106.8	105.4	.....	.....	.....	108.9	109.1	107.1	.....	108.3
3	106.0	105.6	105.0	.....	h106.03	.....	.....	108.9	107.4	109.3	.....	107.2
4	106.8	106.1	104.2	.....	108.5	.....	.....	107.5	107.2	109.8	.....	107.2
5	105.0	106.1	104.8	h110.37	108.5	.....	h111.74	107.6	107.3	107.9	.....	107.2
6	104.4	106.1	105.0	108.5	108.9	.....	.....	104.4	107.3	107.1	.....	h103.34
7	105.0	109.5	107.5	.....	106.0	h110.80	h109.54	103.4	106.2	110.1	.....	109.1
8	102.0	110.1	108.0	.....	105.5	.....	112.0	105.6	106.6	110.9	h109.64	109.5
9	.....	110.4	105.6	.....	108.4	.....	112.2	106.4	106.8	111.1	.....	112.5
10	.....	110.7	110.0	.....	109.0	.....	112.2	106.5	106.9	111.2	.....	113.3
11	h104.78	109.0	110.6	.....	109.1	.....	112.3	106.5	107.0	110.8	.....	113.7
12	104.6	108.8	109.1	h106.53	109.0	.....	109.1	106.8	107.1	111.2	.....	113.8
13	105.1	108.7	109.2	110.7	109.0	.....	111.3	107.1	104.2	111.4	.....	h113.83
14	105.3	108.3	109.1	111.2	109.0	h114.84	111.6	107.6	106.0	111.3	.....	111.8
15	105.4	108.1	108.9	108.9	109.0	114.0	110.8	108.1	106.2	111.3	h109.96	111.2

79:8-56--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	105.2	108.0	106.3	108.7	108.9	112.4	111.2	108.6	106.3	111.2	110.2	111.2
17	106.0	106.0	106.3	108.7	108.6	112.3	111.3	108.8	106.5	111.2	108.3	111.0
18	106.5	105.6	.....	108.8	108.9	112.2	111.7	108.9	106.5	109.0	107.8	111.1
19	104.9	105.4	.....	h108.93	109.2	112.2	112.1	108.8	106.5	108.6	107.5	111.2
20	104.9	105.2	.....	109.0	109.3	112.0	112.0	107.1	108.7	108.5	107.2	111.2
21	104.8	105.0	.....	108.9	109.4	h111.93	111.7	106.6	109.1	108.0	106.9	110.9
22	104.9	106.0	h105.00	108.6	109.6	h111.29	111.7	106.3	107.1	107.7	106.8	110.6
23	104.9	106.4	105.4	108.6	109.9	.....	112.0	h106.25	106.7	107.6	106.9	110.3
24	104.9	105.3	.....	108.8	109.8	.....	112.1	107.9	.....	107.6	106.9	110.2
25	101.9	102.7	.....	.....	111.6	.....	114.4	107.0	.....	107.5	106.8	109.8
26	101.5	101.6	.....	h109.13	112.7	.....	116.3	106.8	.....	107.2	106.8	108.9
27	97.2	101.1	.....	109.2	112.9	.....	116.7	106.9	h108.00	108.5	106.8	109.8
28	99.8	.....	.....	109.0	111.8	h112.18	113.4	106.8	106.8	108.7	108.1	110.2
29	100.4		h107.04	108.7	111.9	.....	112.7	107.5	106.5	109.0	108.4	109.4
30	100.4		107.9	108.9	112.0	.....	112.4	107.7	106.7	109.2	108.7	109.4
31	100.6		108.2		h110.49		112.4	106.7		109.3		109.6

h Tape measurement.

79:8-73. Memphis Light, Gas and Water Division. Normal St. and Central Ave. Lat. 35°07'27", long. 89°55'56". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, depth 499 feet, screen 438-499. Land-surface datum is 302.7 feet above msl. Highest water level 95.8 below lsd, Mar. 8, 1946; lowest 138.4 below lsd, Mar. 15, 1949. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	h123.93	h124.23	127.2	125.5	125.8	126.5	127.6	128.4	128.8	h127.94	.....
2	.....	123.5	126.7	125.5	126.0	125.8	126.5	127.8	128.7	128.9	129.8	.....
3	.....	124.8	.....	125.5	126.6	123.4	126.6	128.7	129.0	129.2	129.7	.....
4	h124.35	124.8	.....	125.9	126.9	123.4	126.5	129.0	129.1	129.0	129.5	.....
5	126.1	124.8	.....	125.0	127.1	123.4	127.2	129.1	129.1	129.7	129.6	.....
6	127.0	124.6	.....	126.5	126.2	127.1	127.3	129.2	129.8	130.1	.....	h128.34
7	127.1	124.4	.....	126.6	126.2	127.3	127.4	129.1	130.2	130.2	.....	128.6
8	127.1	124.1	h124.56	126.5	126.2	126.2	124.4	128.9	130.2	129.8	h128.46	129.2
9	.....	124.8	.....	126.2	126.2	126.2	124.5	128.6	130.1	129.8	128.5	129.2
10	.....	124.6	.....	126.1	h125.10	125.1	124.5	125.3	130.2	130.0	128.1	129.1
11	h127.02	125.1	.....	125.7	126.0	125.0	127.0	125.3	130.1	130.0	128.0	128.8
12	127.2	125.2	.....	125.3	126.0	124.9	127.4	123.0	130.2	129.0	128.0	.....
13	126.1	125.2	.....	124.4	126.0	127.0	127.5	123.0	130.2	129.1	127.9	h128.18
14	125.8	125.7	.....	125.0	126.0	127.1	126.2	122.9	130.3	128.8	127.8	127.9
15	125.6	125.2	h125.53	124.6	126.0	126.4	125.7	122.9	129.7	128.8	127.7	h128.03
16	125.5	124.9	126.2	124.3	126.3	127.3	125.3	124.5	128.6	128.8	127.0	127.5
17	125.3	126.1	125.4	124.3	124.7	127.6	125.4	126.1	128.6	128.8	.....	127.3
18	h124.04	126.8	125.6	124.2	124.6	127.6	125.4	126.4	128.6	128.3	.....	127.2
19	.....	126.8	125.5	124.1	124.7	127.6	124.8	126.8	130.1	126.4	127.8	127.3
20	.....	126.7	125.4	125.4	124.6	127.7	125.7	126.8	130.4	127.4	127.8	128.8
21	.....	126.6	125.1	125.5	124.6	127.8	126.0	126.8	130.4	127.9	127.7	129.0
22	.....	125.8	125.8	125.5	124.6	126.2	126.0	.....	130.6	128.0	127.5	129.0
23	.....	125.8	125.8	125.5	124.5	126.0	125.8	h127.29	128.8	127.8	127.6	126.9
24	.....	125.5	125.7	125.7	124.6	126.1	125.8	127.8	128.6	128.3	128.3	126.9
25	h126.20	125.6	125.2	126.0	124.7	126.2	125.7	128.0	128.7	128.3	127.6	127.0
26	127.6	125.5	125.5	126.1	124.3	126.2	125.2	128.0	128.7	127.8	127.5	126.9
27	126.1	.....	125.5	125.3	124.4	126.2	125.3	128.0	128.6	127.4	127.4	126.8
28	.....	.....	125.3	125.3	124.5	126.1	125.7	127.9	128.8	127.2	127.6	126.8
29	.....		125.4	125.4	124.6	127.7	125.8	127.9	128.8	127.2	127.7	127.2
30	.....		127.1	125.5	124.8	126.3	126.0	127.8	128.7	127.2	.....	127.4
31	.....		126.9		125.0		126.0	128.1		.....		127.2

h Tape measurement.

79:8-86S. Memphis Light, Gas and Water Division. Willow Rd. and Getwell St. Lat. 35°05'15", long. 89°55'36". Drilled observation water-table well in terrace deposits, diameter 6 inches, depth 91 feet. Land-surface datum is about 260 feet above msl. Highest water level 21.28 below lsd, Apr. 2, 1950; lowest 36.63 below lsd, Sept. 5, 1954. Records available: 1948-55.

79:8-863--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	35.40	35.31	35.43	34.98	34.59	34.62	34.74	34.40	34.41	.....	34.25	.....
2	35.46	35.47	35.43	34.85	34.58	34.61	34.76	34.81	34.27	.....	34.50	.....
3	35.36	35.45	35.28	34.95	34.63	34.74	34.77	34.69	34.27	.....	34.50	.....
4	35.34	35.31	35.28	34.95	34.66	34.92	34.64	34.73	34.29	.....	34.37	.....
5	35.29	35.20	35.35	35.04	34.75	34.90	34.49	34.79	34.26	.....	34.22	h34.75
6	35.58	35.30	35.38	34.92	34.98	34.76	34.46	34.80	34.26	.....	34.28	34.78
7	35.49	35.31	35.28	34.92	34.72	34.84	34.67	34.73	34.40	.....	34.36	34.60
8	35.36	35.24	35.29	34.92	34.86	34.77	34.72	34.72	34.61	.....	34.41	34.77
9	35.37	35.20	35.24	34.82	34.65	34.77	34.80	34.72	34.74	.....	34.30	34.80
10	35.40	35.40	35.23	34.76	34.95	34.73	34.80	34.76	34.68	.....	34.28	34.76
11	35.43	35.44	35.34	34.64	35.00	34.67	34.72	34.75	34.51	.....	34.40	34.65
12	35.44	35.37	35.47	34.61	35.00	34.79	34.87	34.56	34.58	.....	34.45	34.58
13	35.62	35.17	35.53	34.61	35.00	34.68	34.91	34.49	34.46	.....	34.45	34.59
14	35.42	35.09	35.40	34.73	34.92	.....	34.78	34.41	34.46	.....	34.40	34.67
15	35.49	35.15	35.32	34.74	35.09	.....	34.54	34.38	34.43	.....	34.43	34.70
16	35.47	35.41	35.59	34.66	34.61	.....	34.48	34.39	34.45	.....	34.85	.....
17	35.52	35.42	35.47	34.71	34.63	.....	34.53	34.39	34.40	.....	34.84	.....
18	35.60	35.30	35.45	34.61	34.71	.....	34.44	34.40	34.50	.....	34.61	.....
19	35.73	35.35	35.22	34.66	34.78	.....	34.49	34.45	34.60	.....	34.67	h34.69
20	35.63	35.46	35.13	34.77	34.79	h34.67	34.89	34.43	.....	.....	34.67	34.65
21	35.39	35.37	35.18	34.60	34.62	34.88	34.60	34.38	.....	.....	34.47	34.58
22	35.41	35.41	35.47	34.53	34.58	34.96	34.44	34.38	.....	.....	34.55	34.53
23	35.41	35.54	35.25	34.38	34.54	35.08	34.40	34.39	.....	.....	34.99	34.58
24	h35.55	35.63	35.27	34.49	34.65	35.11	34.34	34.36	.....	.....	34.99	34.64
25	35.76	35.57	35.29	h34.68	34.62	35.12	34.35	34.44	.....	34.11	34.63	34.71
26	35.67	35.43	35.34	34.64	34.59	35.04	34.45	34.51	34.35	34.11	34.74	34.61
27	35.78	35.46	35.30	34.68	34.75	34.78	34.42	34.46	34.60	34.20	34.83	34.49
28	35.59	35.35	35.10	34.57	34.54	34.74	34.36	34.45	35.00	34.23	34.83	34.57
29	35.59		35.15	34.66	34.55	34.67	34.34	34.44	35.00	34.24	.....	34.64
30	35.49		35.10	34.68	h34.49	34.72	34.44	34.61	34.53	34.24	.....	34.68
31	35.36		34.97		34.63		34.47	34.56		34.30		34.59

h Tape measurement.

79:9-107. Memphis Light, Gas and Water Division. Woodland Ave. and Marjorie St. Lat. 35°05'49", long. 90°01'55". Drilled observation artesian well in sand of Claiborne group, diameter 4 inches, depth 338 feet, screen 328-338. Land-surface datum is 256.2 feet above msl. Highest water level 59.40 below lsd, Feb. 6, 27, 1950; lowest 144.3 below lsd, Sept. 23, 1955. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	96.7	102.6	104.2	102.4	124.2	121.6	123.3	139.0	141.5	137.6	125.3	127.6
2	95.9	103.2	104.9	100.4	123.0	121.4	124.0	141.6	141.6	135.5	128.4	127.2
3	97.0	103.3	104.9	98.7	125.0	122.2	124.3	142.5	141.6	135.6	127.2	123.7
4	97.2	103.2	103.3	102.2	127.8	122.2	110.6	142.8	137.6	138.7	124.1	125.3
5	97.3	103.0	103.3	118.4	129.9	121.8	123.2	142.9	135.4	139.3	123.5	128.6
6	97.4	102.3	102.7	117.4	130.2	120.3	125.6	142.9	138.0	140.0	122.5	127.7
7	97.4	100.0	99.7	117.5	128.7	119.4	128.4	142.4	139.5	140.7	121.8	126.7
8	97.4	102.6	100.6	118.1	127.0	120.8	130.1	139.7	141.6	139.1	122.3	126.9
9	96.6	102.6	101.7	118.1	129.1	126.1	130.4	140.7	142.8	135.4	123.0	126.4
10	95.9	101.6	102.9	116.1	130.4	121.0	129.2	142.0	142.9	133.8	126.4	124.8
11	97.3	101.1	102.9	114.5	132.1	120.3	132.8	142.4	.....	137.0	127.4	125.1
12	98.8	100.3	102.9	115.0	130.1	118.8	138.1	142.4	h132.01	.....	127.4	123.7
13	99.4	103.5	101.4	118.3	127.6	120.0	139.2	140.3	142.6	.....	122.9	123.6
14	99.4	106.5	101.4	120.8	127.4	120.8	132.0	137.4	143.5	.....	125.3	123.6
15	97.3	109.5	92.7	.....	125.8	117.9	132.4	138.8	143.3	.....	130.8	123.6
16	96.2	109.8	104.1	.....	126.6	120.5	132.4	140.7	144.1	.....	131.8	123.5
17	96.9	104.4	109.0	.....	129.3	120.6	131.7	141.8	144.1	h130.48	129.4	123.3
18	98.2	103.6	108.9	h116.78	131.4	120.6	132.8	142.1	143.4	128.4	127.9	122.6
19	97.2	103.7	102.4	122.2	132.0	119.8	136.0	142.8	141.9	129.9	125.0	124.4
20	96.0	100.0	102.1	121.7	128.2	119.3	139.8	142.8	142.2	130.2	125.6	124.8
21	95.8	h99.84	100.5	121.3	126.0	123.5	140.8	142.5	143.8	133.2	124.9	124.2
22	95.7	.....	102.3	123.9	126.2	125.0	141.0	141.8	144.2	132.6	126.8	128.1
23	95.0	.....	103.1	124.0	128.3	125.8	141.0	142.3	144.3	129.7	125.6	125.7
24	94.8	.....	103.4	122.8	116.0	126.2	124.9	143.3	139.6	128.1	125.5	125.1
25	95.5	.....	103.2	121.6	119.7	126.8	130.6	143.5	137.7	129.9	122.6	120.6

79:9-107--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	95.9	.....	101.0	122.9	121.2	126.9	138.5	142.3	136.4	128.7	121.7	119.3
27	97.5	.....	99.8	123.1	121.3	122.6	140.3	141.6	142.8	127.9	122.0	119.9
28	101.3	h97.52	102.4	123.1	120.8	122.5	141.3	140.7	143.1	126.5	122.0	122.3
29	101.4		103.2	123.9	115.0	123.2	141.3	139.8	142.9	124.8	125.4	124.7
30	101.4		102.8	124.2	113.2	123.3	140.0	140.8	142.4	124.9	126.9	125.2
31	101.8		102.7		120.5		129.3	141.3		128.5		122.1

h Tape measurement.

79:9-110. Memphis Light, Gas and Water Division. Dunn Ave. and Mississippi Blvd. Lat. 35°05'34", long. 90°01'34". Drilled observation artesian well in sand of Claiborne group, diameter 4 inches, depth 330 feet, screen 321-330. Land-surface datum is 246.6 feet above msl. Highest water level 46.30 below lsd, Feb. 20, 1950; lowest 124.5 below lsd, Sept. 23, 1955. Records available: 1948-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	84.9	97.9	103.9	99.9	.....	109.3	96.7	118.2	122.6	120.0	106.9	106.6
2	84.3	98.4	102.4	.....	h87.11	96.4	97.1	121.4	122.9	118.3	107.9	106.4
3	85.0	98.7	103.1	.....	105.4	97.0	.....	122.1	122.9	118.3	107.8	105.1
4	84.2	99.2	97.8	h88.25	106.7	97.0	h93.64	122.7	120.2	120.8	106.3	104.4
5	84.0	99.2	97.8	86.2	108.0	96.8	96.8	122.9	118.1	121.3	105.8	110.5
6	84.1	98.3	97.3	86.3	108.5	94.1	98.8	122.9	119.9	121.7	105.2	105.9
7	84.2	101.8	101.2	.....	95.2	92.8	100.1	111.6	121.0	122.4	104.5	.....
8	84.2	104.6	102.8	.....	93.5	93.2	100.6	h108.43	122.0	110.9	.....	.....
9	83.6	104.6	102.9	.....	h93.24	107.9	100.8	109.4	122.8	107.2	.....	.....
10	83.0	103.9	104.0	.....	.....	94.1	100.4	.....	122.9	117.2	.....	.....
11	78.1	103.3	105.5	h83.13	.....	94.2	115.3	.....	111.6	119.5	.....	103.4
12	80.2	100.7	99.4	84.6	.....	93.6	119.4	.....	h106.25	115.9	.....	103.0
13	80.8	105.7	98.6	89.0	.....	93.3	120.6	.....	122.7	114.2	.....	102.8
14	80.8	106.0	98.6	.....	.....	93.9	117.5	.....	123.4	114.2	h105.57	102.9
15	80.2	108.7	98.7	.....	.....	90.7	117.0	h105.85	123.4	112.3	108.8	102.9
16	79.6	109.0	100.2	.....	h91.89	92.6	117.0	121.2	123.4	111.4	109.7	102.8
17	79.3	106.4	102.0	.....	.....	93.3	116.6	121.8	123.1	109.1	.....	102.5
18	80.0	106.6	101.8	h98.72	.....	95.8	h109.86	122.3	122.6	112.7	.....	102.0
19	80.0	106.6	98.2	107.2	.....	95.8	118.3	122.7	122.2	114.1	.....	102.4
20	79.7	99.4	98.2	106.5	.....	93.0	120.7	122.7	122.6	114.4	.....	102.6
21	79.5	99.9	97.2	106.3	.....	107.3	121.5	.....	123.8	116.1	h102.48	103.1
22	79.5	104.8	99.0	108.7	.....	108.9	120.6	h120.70	124.3	115.6	h107.12	105.8
23	79.0	105.4	99.6	108.8	h107.24	109.7	120.3	122.3	124.5	112.9	106.0	104.3
24	78.8	105.8	99.8	108.7	112.8	109.8	103.8	123.1	123.0	111.6	105.9	104.0
25	79.2	106.8	99.8	106.4	114.2	110.4	113.5	123.2	121.7	112.2	103.1	102.3
26	79.5	107.0	85.6	107.5	114.5	110.5	118.9	123.1	108.3	111.7	102.1	101.4
27	94.1	89.9	84.7	95.4	114.6	94.1	120.6	122.8	114.1	111.1	101.5	102.5
28	97.7	102.2	103.2	95.0	114.6	95.5	121.5	122.2	121.6	110.5	103.5	104.1
29	97.8		103.2	.....	112.8	96.4	121.6	121.4	122.7	104.8	105.0	101.0
30	97.3		102.7	.....	110.8	96.6	119.3	122.2	121.6	104.1	106.1	101.5
31	97.4		102.7		108.4		117.9	122.6		107.9		100.8

h Tape measurement.

79:9-115. Memphis Light, Gas and Water Division. Mallory Ave. and Bellevue Blvd. Lat. 35°05'10", long. 90°01'08". Drilled observation artesian well in sand of Claiborne group, diameter 4 inches, depth 310 feet, screen 300-310. Land-surface datum is 253.1 feet above msl. Highest water level 50.90 below lsd, Feb. 20, 1950; lowest 110.2 below lsd, Sept. 23, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	81.6	84.8	96.5	95.1	90.4	92.4	91.5	104.4	109.0	108.3	98.8	89.5
2	81.9	85.4	93.6	90.6	87.2	91.4	91.6	107.7	109.0	100.4	99.6	89.5
3	82.4	85.6	95.5	91.7	97.2	91.5	91.8	108.4	109.0	105.8	99.9	88.8
4	80.1	86.0	93.9	92.9	90.5	91.5	91.1	108.3	108.3	107.4	99.1	88.0
5	79.7	86.0	93.7	83.5	91.5	91.5	98.8	108.5	106.8	107.9	98.8	90.2
6	79.6	85.9	93.3	83.6	92.0	89.2	100.3	108.6	106.4	108.2	98.3	89.5
7	79.7	h83.14	94.9	83.7	91.1	88.2	101.1	108.6	107.4	108.8	97.8	88.3
8	79.7	.....	96.1	84.2	89.9	88.0	101.2	106.6	108.0	108.8	97.5	88.4
9	79.4	.....	96.1	84.2	89.4	89.4	101.3	106.6	108.6	106.5	97.5	88.4
10	78.9	.....	96.2	84.0	93.1	68.8	101.3	107.9	108.8	105.2	98.1	88.2
11	77.1	.....	97.3	82.5	93.4	89.2	103.2	108.3	108.9	106.5	98.7	87.9
12	80.0	.....	95.7	82.3	93.3	89.1	106.4	108.3	107.1	105.6	98.7	87.6
13	80.6	.....	94.6	83.5	92.5	88.3	107.5	106.9	108.5	104.3	98.0	87.3
14	80.6	h97.60	94.2	85.7	101.4	88.7	105.5	106.1	109.2	104.2	97.7	87.2
15	80.6	99.4	94.2	85.7	99.6	87.7	105.7	105.9	109.3	103.5	99.0	87.2

79:9-115--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	80.2	99.7	94.7	85.8	98.6	87.4	106.0	107.0	102.6	102.9	99.8	87.2
17	79.6	98.7	95.4	85.4	101.3	88.4	105.5	107.6	101.4	100.3	99.8	87.0
18	80.0	99.0	95.2	86.5	102.2	90.6	103.6	108.1	101.0	101.7	99.5	86.6
19	80.1	99.0	93.7	88.5	102.8	90.6	104.6	108.7	108.4	103.2	97.2	86.5
20	80.1	96.8	93.4	88.7	103.5	88.2	107.2	108.5	109.0	103.4	96.4	86.7
21	80.0	95.6	93.0	88.9	97.9	90.0	108.7	108.4	109.6	104.3	95.9	87.4
22	80.0	97.2	93.6	89.9	97.6	91.6	108.6	107.8	110.1	104.4	99.1	88.4
23	79.8	98.1	94.1	90.1	102.0	92.3	108.5	108.2	110.2	102.4	98.4	88.4
24	79.4	98.8	94.4	89.6	103.1	92.5	95.1	108.8	109.9	101.4	98.4	88.4
25	79.8	99.4	94.4	95.0	103.8	93.0	101.2	109.3	109.1	101.4	96.7	87.8
26	79.9	99.4	93.3	95.1	97.4	93.2	104.7	109.3	107.6	101.3	95.6	87.1
27	81.0	96.3	92.7	94.8	96.7	88.6	106.2	109.0	107.7	100.8	95.0	85.1
28	84.1	94.6	95.3	87.7	96.7	96.2	107.0	108.7	108.3	100.4	94.7	86.0
29	84.4		95.4	89.2	96.1	96.6	106.8	107.9	108.8	98.1	88.5	85.2
30	84.4		95.1	90.4	95.0	91.3	105.4	108.4	108.8	97.0	89.1	85.6
31	84.5		95.2		91.7		104.9	108.7		98.8		85.4

h Tape measurement.

79:9-131. Memphis Light, Gas and Water Division. Rutgers Ave. and Vassar St. Lat. 35°04'47", long. 90°01'47". Drilled observation artesian well in sand of Claiborne group, diameter 4 inches, depth 312 feet, screen 292-312. Land-surface datum is 272.5 feet above msl. Highest water level 71.91 below lsd, Feb. 20, 1950; lowest 132.9 below lsd, Sept. 22-23, 1955. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	104.4	109.7	114.3	112.4	114.0	.....	118.3	127.4	131.7	128.2	118.3	119.2
2	104.1	110.2	114.9	109.8	h109.88	.....	118.3	129.2	131.8	.....	120.8	119.0
3	104.8	110.5	114.9	106.9	116.5	.....	118.7	130.8	131.8	h123.04	120.3	117.5
4	104.9	111.9	113.7	108.6	118.0	.....	115.8	131.7	129.2	129.2	118.2	114.9
5	105.0	111.9	113.2	110.00	120.2	.....	116.1	131.7	126.1	130.1	117.7	117.6
6	105.0	111.0	111.6	110.0	.....	h112.14	119.2	131.7	128.3	130.4	116.1	117.6
7	105.1	110.2	109.7	110.2	.....	.....	119.9	130.6	129.9	131.2	115.6	117.3
8	105.1	113.0	112.2	110.8	.....	h112.30	119.4	h127.24	130.6	131.1	116.2	117.5
9	103.6	113.2	111.0	110.8	h116.41	113.7	119.1	130.3	131.3	126.0	116.3	117.5
10	103.5	113.8	111.0	109.6	119.5	113.5	119.0	131.1	131.3	124.8	117.5	116.9
11	103.5	.....	110.7	106.6	.....	115.0	121.3	131.4	130.6	127.2	118.3	115.6
12	104.4	.....	110.3	107.0	.....	113.9	126.1	131.2	128.7	126.9	118.4	115.7
13	105.0	.....	107.7	110.1	.....	h110.52	127.4	129.4	131.2	126.4	116.0	116.0
14	105.0	h113.04	108.1	112.5	.....	114.8	126.4	126.8	132.0	125.8	116.5	116.1
15	104.7	117.7	108.5	112.0	.....	112.6	124.0	127.9	132.0	124.7	119.4	116.1
16	103.5	118.0	110.0	111.7	h116.00	112.5	122.7	129.7	132.4	123.0	120.5	115.9
17	103.6	115.9	111.7	109.2	119.2	113.9	121.5	130.6	132.4	121.4	120.4	115.7
18	104.5	115.5	110.9	h108.56	119.2	115.0	123.2	131.2	131.2	121.1	118.5	114.5
19	104.6	115.5	109.5	.....	120.6	115.0	126.3	131.4	h128.91	122.8	116.7	115.2
20	104.4	112.1	107.7	.....	.....	h112.54	128.2	131.4	131.7	123.0	115.6	115.5
21	104.2	112.6	108.7	.....	.....	.....	129.2	130.2	132.4	125.5	115.3	116.8
22	104.0	113.9	110.0	.....	.....	.....	129.2	130.1	132.9	125.5	117.6	118.5
23	102.5	115.3	110.8	.....	h117.84	.....	129.1	130.6	132.9	122.5	117.6	118.5
24	103.0	116.3	111.2	.....	121.5	.....	124.9	131.6	131.3	121.5	117.6	118.2
25	103.7	117.4	111.2	h107.44	122.4	.....	124.0	132.0	129.1	122.3	115.3	115.5
26	104.0	117.4	110.6	113.6	123.8	.....	127.3	132.0	127.5	121.3	114.7	114.4
27	104.8	111.5	.....	114.0	124.0	h114.68	128.9	132.0	131.0	120.3	113.8	112.7
28	.....	111.9	h107.57	114.0	123.8	117.4	130.1	130.4	131.1	119.7	114.2	114.5
29	.....		112.1	114.4	121.5	118.2	130.0	129.9	131.0	118.3	116.2	116.1
30	.....		112.4	114.4	118.6	118.4	127.9	130.9	130.5	116.4	118.3	116.6
31	h107.89		112.4		.....		126.1	131.4		118.3		115.3

h Tape measurement.

79:9-135. Memphis Light, Gas and Water Division. Alcy Rd. and Benton St. Lat. 35°04'32", long. 90°01'47". Drilled observation artesian well in sand of Claiborne group, diameter 4 inches, depth 265 feet, screen 255-265. Land-surface datum is 234.5 feet above msl. Highest water level 32.25 below lsd, Feb. 20, 1950; lowest 85.29 below lsd, Sept. 23, 1955. Records available: 1949-55.

79:9-135--Continued.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	62.84	65.12	68.90	67.36	68.89	71.29	72.78	80.21	84.32	82.74	73.26	73.32
2	61.40	65.64	69.46	65.90	68.58	70.80	72.73	81.67	84.44	80.48	74.90	73.30
3	61.36	65.92	69.48	63.55	70.44	71.08	72.95	83.00	84.44	79.15	74.90	72.46
4	61.49	66.45	68.65	64.13	71.37	71.08	71.50	83.86	72.72	82.00	73.72	70.52
5	61.48	66.46	68.52	64.95	73.09	70.51	70.77	84.00	80.41	82.82	73.18	h70.32
6	61.60	66.13	67.28	65.26	73.72	69.21	72.92	84.00	81.11	83.15	72.02	72.10
7	61.74	h62.60	65.57	65.37	73.66	68.42	73.62	83.33	82.52	83.87	71.27	72.12
8	61.74	67.50	66.92	65.85	71.85	68.47	73.61	81.72	83.19	83.87	71.77	72.32
9	60.63	67.98	66.72	65.85	71.70	69.22	73.54	82.84	83.80	80.71	71.81	72.32
10	60.43	68.52	66.72	65.15	72.93	69.22	73.54	83.50	83.81	78.98	72.54	72.01
11	60.42	68.05	67.56	62.90	73.01	69.90	74.48	83.78	83.40	80.74	73.24	71.00
12	60.97	66.55	67.20	62.93	72.44	69.64	78.20	83.78	81.65	80.74	73.28	70.82
13	61.49	67.55	64.93	64.60	72.32	68.73	79.69	82.70	83.66	80.08	71.84	71.12
14	61.49	68.97	64.56	.....	72.53	69.54	79.52	80.88	84.46	80.00	71.75	71.18
15	61.33	71.22	64.89	.....	72.42	68.68	78.15	80.78	84.47	79.23	73.64	71.19
16	60.44	71.60	65.60	.....	72.12	68.08	77.01	82.24	84.87	77.95	74.84	71.07
17	60.19	70.81	66.94	.....	72.40	69.17	76.10	83.00	84.87	76.44	74.84	70.87
18	60.95	70.18	66.66	h64.00	72.40	69.89	76.14	83.60	83.91	76.27	74.00	70.00
19	61.16	70.19	65.89	67.08	72.42	69.95	78.86	83.87	83.41	76.95	72.69	70.20
20	61.10	68.38	64.33	67.45	72.43	68.90	79.04	83.88	84.26	77.13	71.38	70.56
21	60.86	67.65	64.63	67.77	72.44	.....	79.06	83.11	84.69	78.83	70.60	71.32
22	60.79	68.67	65.53	68.58	.....	.....	79.07	82.72	85.28	78.87	72.46	72.63
23	59.74	69.63	66.24	68.58	h71.77	.....	79.08	83.13	85.29	77.21	72.74	72.70
24	59.88	70.58	66.61	68.28	74.98	.....	79.08	84.06	.....	76.11	72.74	72.65
25	60.53	71.44	66.61	66.34	75.64	.....	77.32	84.42	.....	76.56	71.40	70.92
26	60.78	71.46	66.33	68.11	76.64	.....	79.50	84.46	h80.83	76.39	70.65	69.95
27	61.20	67.39	65.16	68.76	77.00	h70.40	81.17	84.44	83.50	75.58	69.98	68.09
28	.....	66.92	65.45	68.76	76.96	71.79	82.25	83.23	83.76	75.06	69.98	69.41
29	.....		67.04	69.15	75.41	72.58	82.28	82.70	83.82	74.17	71.18	70.68
30	.....		67.35	69.15	73.68	72.80	81.20	83.63	83.80	72.61	72.58	71.12
31	h63.67		67.36		72.15		79.92	84.08		73.19		70.60

h Tape measurement.

79:11-1. Forest Products Chemical Co. Chelsea Ave. and Fairfax St. Memphis. Lat. 35°10'24", long. 89°58'02". Drilled unused artesian well in sand of Claiborne group, diameter 6 inches, depth 440 feet. Land-surface datum is about 245 feet above msl. Highest water level 52.5 below lsd, Oct. 21, 1946; lowest 94.8 below lsd, Oct. 28-30, 1954. Records available: 1944-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	82.8	h84.27	86.9	85.2	81.0	87.4	90.0	89.6	93.6	94.3	94.2	93.5
2	81.5	h85.52	87.3	84.3	81.8	88.2	88.0	88.9	93.3	93.9	94.3	93.1
3	82.9	88.5	87.8	81.5	84.6	87.4	86.8	89.0	93.3	92.5	94.3	92.3
4	h81.75	88.8	87.6	80.0	85.9	87.4	87.3	89.0	90.2	94.2	94.3	90.2
5	.....	85.6	87.6	82.7	86.8	86.8	87.3	88.9	89.5	94.3	93.5	91.2
6	.....	83.4	83.9	84.1	87.0	87.5	87.8	88.7	89.5	94.3	91.5	91.8
7	.....	85.4	82.7	84.9	85.5	89.8	88.6	84.5	91.7	94.3	93.3	93.0
8	.....	86.7	83.7	84.9	84.9	90.3	88.8	85.3	92.4	94.3	93.4	92.9
9	.....	87.8	86.6	84.7	87.0	90.6	87.6	85.6	92.7	94.3	93.1	92.8
10	.....	88.2	87.3	82.5	87.4	91.0	87.0	86.1	92.8	94.2	93.0	92.3
11	h82.36	88.3	87.5	83.8	87.8	89.6	87.2	86.1	91.6	93.8	92.9	92.3
12	86.5	87.4	87.0	84.1	87.9	85.9	87.7	85.9	92.5	94.3	91.3	92.2
13	85.8	85.2	85.2	84.8	88.3	86.7	89.2	84.6	93.5	94.3	90.8	92.8
14	85.7	87.0	85.5	85.4	85.9	88.6	89.6	85.2	93.4	94.3	92.1	92.1
15	84.9	87.0	86.1	85.3	83.0	89.5	90.3	88.0	93.3	94.3	92.1	92.0
16	84.2	87.7	87.3	83.4	84.8	89.8	89.9	89.2	93.7	92.9	92.6	92.1
17	83.7	....	87.6	81.0	86.2	89.9	90.2	89.7	93.2	91.7	93.0	92.0
18	h83.06	....	88.2	....	88.2	89.8	90.3	90.0	92.2	92.3	92.6	90.3
19	.....	....	86.2	84.1	88.4	88.4	91.4	90.4	91.1	93.2	92.3	91.6
20	.....	....	81.8	84.9	88.3	89.9	92.3	89.4	93.1	93.4	90.7	91.9
21	.....	....	81.4	85.2	86.6	89.9	92.3	88.5	93.3	93.0	92.3	92.1
22	.....	h82.43	85.3	85.3	86.5	90.9	92.4	88.9	94.0	93.4	91.8	91.8
23	.....	86.8	86.0	84.4	88.4	91.4	91.2	91.0	94.2	92.7	93.2	91.7
24	.....	87.5	86.9	83.4	88.6	91.5	88.0	92.0	93.9	93.1	92.5	89.4
25	h86.66	88.1	86.0	85.1	89.4	91.4	88.4	92.3	94.2	93.0	91.6	89.1

79:11-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
26	....	86.4	84.6	85.2	89.8	87.6	90.6	92.3	94.2	93.6	91.8	87.4
27	....	83.7	83.8	85.4	89.4	88.0	91.4	92.3	94.3	94.3	89.8	89.5
28	....	85.8	85.2	85.9	88.1	88.2	91.7	92.3	94.3	94.3	91.3	90.0
29	....		85.7	86.4	85.2	88.4	91.6	92.2	94.3	94.3	91.4	90.6
30	....		84.9	86.2	83.3	89.4	90.4	92.5	94.3	93.4	92.9	91.3
31	....		85.3		86.7		90.3	93.1		94.1		90.2

h Tape measurement.

79:12-1. Cudahy Packing Co. Chelsea Ave. and Carpenter St. Memphis. Lat. 35°10'35", long. 89°57'55". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, reported depth 438 feet. Land-surface datum is about 240 feet above msl. Highest water level 52.76 below lsd, Apr. 10, 1944; lowest 83.73 below lsd, Oct. 19, 1954. Records available: 1944-1950-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	72.79	Apr. 5	71.78	July 5	74.43	Oct. 4	80.65
11	72.74	12	71.97	12	74.16	11	81.19
18	73.43	19	70.98	19	75.64	18	80.13
25	75.43	26	71.64	26	76.12	25	79.82
Feb. 1	75.64	May 3	71.27	Aug. 2	76.85	Nov. 1	80.37
8	75.08	10	73.43	9	74.77	8	80.29
15	75.78	17	73.51	16	74.05	15	79.68
22	75.10	24	74.44	23	75.81	22	79.57
Mar. 1	73.97	31	74.21	30	78.30	29	79.30
8	73.68	June 7	74.79	Sept. 6	78.18	Dec. 6	79.17
15	74.14	14	74.75	13	78.78	13	79.51
22	73.16	21	75.39	20	79.08	20	79.45
29	73.04	28	75.52	27	80.80	27	77.68

79:19-1. Oliver Finnie Co. Vance Ave. and South Front St. Memphis. Lat. 35°08'19", long. 90°03'30". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, reported depth 500 feet. Land-surface datum is about 280 feet above msl. Highest water level 91.12 below lsd, May 9, 1944; lowest 135.35 below lsd, June 30, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	112.41	Apr. 5	111.97	July 5	127.83	Oct. 4	131.26
11	112.10	12	113.99	12	129.21	11	128.81
18	113.12	19	116.66	19	129.82	18	125.49
25	114.54	26	115.98	26	129.88	25	125.42
Feb. 1	116.25	May 3	118.97	Aug. 2	131.15	Nov. 1	123.04
8	114.12	10	122.95	9	130.09	8	120.72
15	113.32	17	123.01	16	129.20	15	122.39
22	113.60	24	124.86	23	130.41	22	119.96
Mar. 1	113.15	31	126.57	30	131.60	29	118.30
8	112.74	June 7	127.15	Sept. 6	129.09	Dec. 6	121.11
15	114.60	14	124.80	13	130.08	13	119.22
22	112.70	21	126.73	20	131.73	20	118.09
29	110.48	28	130.76	27	132.44	27	117.35

79:20-4. Tennessee Valley Authority. Fourth St. and E. H. Crump Blvd. Memphis. Lat. 35°07'31", long. 90°03'01". Drilled unused artesian well in sand of Claiborne group, diameter 16 inches, reported depth 501 feet. Land-surface datum is about 280 feet above msl. Highest water level 84.66 below lsd, Jan. 6, 1941; lowest 137.44 below lsd, Aug. 18, 1954. Records available: 1940-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	113.18	Apr. 5	112.25	July 5	124.80	Oct. 4	131.52
11	113.40	12	113.75	12	128.82	11	128.34
18	113.56	19	116.36	19	128.50	18	125.66
25	113.07	26	116.40	26	128.90	25	124.94
Feb. 1	119.87	May 3	119.78	Aug. 2	130.77	Nov. 1	124.70
8	115.53	10	125.68	9	130.47	8	120.80
15	114.75	17	122.33	16	129.86	15	122.37
22	113.86	24	123.28	23	130.60	22	121.23
Mar. 1	113.48	31	123.74	30	132.06	29	119.78
8	114.06	June 7	125.69	Sept. 6	127.91	Dec. 6	122.11
15	115.90	14	123.84	13	129.94	13	120.48
22	113.06	21	123.96	20	131.98	20	119.93
29	113.09	28	131.76	27	131.50	27	122.70

79:21-1. Memphis Publishing Co. South Orleans St. and Beale Ave. Memphis. Lat. 35°08'20", long. 90°02'21". Drilled unused artesian well in sand of Claiborne group, diameter 12 inches, reported depth 395 feet. Land-surface datum is about 255 feet above msl. Highest water level 85.8 below lsd, Feb. 13, 1950; lowest 128.8 below lsd, July 2, 1954. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	.....	h105.87	104.7	103.1	109.2	118.8	123.7	.....	123.3	124.0	h113.45	111.5
2	.....	106.8	105.2	102.1	109.8	120.5	123.5	h122.03	122.8	122.9	115.3	111.7
3	.....	107.2	106.0	101.0	111.1	121.6	122.1	123.0	122.3	121.8	115.4	111.6
4	h102.54	107.5	106.4	102.7	111.9	121.0	119.2	123.7	120.9	122.3	115.1	111.3
5	104.0	107.2	106.1	104.5	113.7	120.2	119.3	124.1	117.7	121.6	114.1	111.6
6	104.4	106.2	104.8	105.3	115.0	.....	120.2	123.4	119.9	122.4	113.4	112.5
7	104.9	105.4	104.2	105.0	113.8	h118.43	121.1	122.3	121.5	122.6	112.2	112.4
8	104.4	h104.89	104.4	104.8	112.5	119.3	122.3	121.2	122.6	121.7	112.1	112.8
9	103.4	106.0	104.4	105.0	112.8	120.5	122.6	121.8	123.8	120.0	112.1	112.3
10	103.9	106.4	105.3	104.0	114.5	120.0	121.4	121.4	123.7	119.4	112.6	111.3
11	104.7	105.9	106.6	104.3	115.4	118.4	.....	122.1	122.3	h118.66	112.8	110.3
12	105.2	105.4	106.8	105.0	116.8	117.0	h120.24	121.8	122.0	.....	113.3	110.0
13	105.9	104.5	106.0	104.7	117.2	116.5	121.9	121.3	122.1	.....	112.5	110.7
14	106.0	104.7	105.3	105.5	115.5	117.0	122.8	119.6	122.5	.....	112.9	110.3
15	105.4	105.1	106.4	107.0	114.0	116.4	122.9	120.0	123.3	.....	113.7	110.8
16	104.1	104.6	105.6	106.6	113.9	117.8	121.8	120.6	124.2	.....	113.4	110.9
17	104.7	105.4	105.5	105.7	115.2	118.8	120.9	120.1	124.4	.....	113.4	110.6
18	105.4	105.6	105.3	108.1	115.1	118.8	120.8	.....	123.2	h114.52	113.0	109.8
19	105.7	105.3	105.0	109.3	116.9	117.9	121.6	.....	123.1	115.3	112.6	109.5
20	106.1	104.8	104.2	109.5	117.6	118.8	122.2	.....	124.2	116.1	111.9	110.1
21	106.1	104.7	103.6	109.6	116.0	120.6	123.5	.....	124.9	117.2	111.8	109.9
22	105.8	104.9	103.7	110.0	114.2	121.5	124.1	.....	126.3	117.3	112.7	110.5
23	104.9	105.0	104.2	110.1	115.5	122.8	122.9	h120.44	127.2	116.5	113.0	111.8
24	105.9	106.0	104.6	108.8	116.8	123.1	121.2	122.4	125.8	115.9	111.7	112.0
25	106.4	105.7	104.7	107.8	116.8	122.8	121.3	122.8	124.4	115.9	111.4	111.2
26	107.0	105.8	103.8	108.8	118.5	121.7	122.8	123.2	123.2	115.9	110.3	108.8
27	.....	104.7	102.3	108.4	119.2	121.2	122.9	122.8	124.4	116.6	109.5	108.6
28	.....	103.9	102.1	108.9	118.7	122.5	124.1	122.0	124.6	.....	109.3	109.7
29	.....		102.6	110.0	117.5	122.9	124.3	122.3	124.5	.....	109.9	111.3
30	.....		102.8	110.1	116.4	122.9	123.7	123.3	124.8	.....	110.0	110.9
31	.....		103.3		h117.36		122.8	123.0		.....		110.3

h Tape measurement.

79:23-1. Memphis Park Commission. Riverside Park. Lat. 35°05'24", long. 90°04'50". Drilled industrial artesian well in sand of Claiborne group, diameter 8 inches, depth 300 feet. Land-surface datum is about 285 feet above msl. Highest water level 88.51 below lsd, Apr. 10, 1945; lowest 137.78 below lsd, Oct. 19, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11	119.82	Aug. 23	118.89	Oct. 11	121.20	Nov. 22	117.22
Feb. 22	112.38	30	121.25	18	120.16	29	116.62
Mar. 22	110.62	Sept. 6	120.88	25	119.54	Dec. 6	116.90
Apr. 26	109.15	13	121.91	Nov. 1	117.40	13	116.63
June 14	114.14	20	122.90	8	117.14	20	116.10
Aug. 9	118.90	27	122.90	15	117.68	27	115.70
16	120.75	Oct. 4	122.28				

79:33-2. Memphis State College. Norriswood Ave. and Patterson St. Memphis. Lat. 35°07'12", long. 89°56'20". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, depth 460 feet. Land-surface datum is about 300 feet above msl. Highest water level 84.75 below lsd, Aug. 26, 1947; lowest 131.13 below lsd, Sept. 21, 1954. Records available: 1944-47, 1949-55.

Jan. 4	122.01	Apr. 5	119.93	July 5	122.92	Oct. 4	125.21
11	123.94	12	121.45	12	124.24	11	125.50
18	121.73	19	121.07	19	129.01	18	125.33
25	122.01	26	121.79	26	123.06	25	126.23
Feb. 1	121.90	May 3	122.57	Aug. 2	124.41	Nov. 1	124.55
8	119.57	10	122.05	9	123.03	8	123.72
15	122.88	17	122.65	16	123.24	15	123.55
22	120.94	24	122.67	23	124.79	22	124.65
Mar. 1	122.78	31	122.31	30	124.89	29	123.37
8	121.36	June 7	122.59	Sept. 6	126.24	Dec. 6	124.98
15	120.78	14	121.64	13	126.95	13	123.28
22	122.11	21	122.95	20	127.00	20	124.02
29	121.48	28	123.00	27	125.80	27	123.65

79:34-1. Victory Iron and Metal Co. Mallory Ave. and South Third St. Memphis. Lat. 35°05'10", long. 90°03'13". Drilled unused artesian well in sand of Claiborne group, diameter 4 inches, reported depth 350 feet. Land-surface datum is about 230 feet above msl. Highest water level 34.01 below lsd, Feb. 21, 1950; lowest 73.67 below lsd, Sept. 20, 1955. Records available: 1944-47, 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	57.91	Apr. 5	56.71	July 5	64.60	Oct. 4	72.45
11	57.57	12	57.20	12	66.35	11	71.50
18	57.40	19	57.46	19	67.57	18	69.67
25	57.64	26	58.83	26	69.32	25	69.00
Feb. 1	59.70	May 3	59.78	Aug. 2	70.91	Nov. 1	67.00
8	59.84	10	62.71	9	72.47	8	65.57
15	60.82	17	63.44	16	71.57	15	65.93
22	60.29	24	63.63	23	72.46	22	65.78
Mar. 1	60.04	31	64.49	30	72:45	29	64.74
8	60.43	June 7	63.63	Sept. 6	71.45	Dec. 6	65.56
15	59.14	14	63.01	13	72.67	13	65.50
22	58.29	21	62.99	20	73.67	20	64.97
29	57.99	28	65.09	27	73.30	27	63.82

79:36-1. Oakville Memorial Sanatorium. Getwell Rd. and U. S. Highway 78. Lat. 35°03'25", long. 89°56'20". Drilled institutional artesian well in sand of Claiborne group, diameter 12 inches, depth 502 feet. Land-surface datum is about 285 feet above msl. Highest water level 58.87 below lsd, Nov. 29, 1948; lowest 82.88 below lsd, Sept. 16, 1954. Records available: 1944-55.

Jan. 3	72.19	Apr. 4	76.70	July 4	73.93	Oct. 3	75.46
10	71.98	11	76.40	11	76.20	10	76.08
17	71.85	18	72.13	18	74.05	17	75.25
24	75.86	25	72.36	25	75.35	24	75.20
31	76.50	May 2	72.51	Aug. 1	75.40	31	75.06
Feb. 7	71.90	9	73.13	8	75.17	Nov. 7	74.94
14	72.03	16	74.25	15	77.48	21	75.02
21	72.55	23	73.23	22	75.64	28	74.88
28	77.42	30	73.63	27	75.97	Dec. 5	74.71
Mar. 7	72.58	June 6	73.86	Sept. 5	75.83	12	75.33
14	73.78	13	73.40	12	74.05	19	75.09
21	72.67	20	73.46	19	75.60	26	74.31
28	76.41	27	75.82	26	75.60		

79:37-1. Whitehaven High School. McClure St. and U. S. Highway 51. Lat. 35°00'55", long. 90°01'32". Drilled unused water-table well in terrace deposits, diameter 2 inches, depth 61 feet. Land-surface datum is about 300 feet above msl. Highest water level 32.90 below lsd, Apr. 11, 1950; lowest 48.70 below lsd, Dec. 27, 1955. Records available: 1944-55.

Jan. 4	47.62	Apr. 5	48.15	July 5	47.70	Oct. 4	48.22
11	47.64	12	48.14	12	47.68	11	48.25
18	47.70	19	48.00	19	47.70	18	48.29
25	47.75	26	47.94	26	47.73	25	48.36
Feb. 1	47.82	May 3	47.88	Aug. 2	47.77	Nov. 1	48.40
8	47.83	10	47.83	9	47.77	8	48.45
15	47.97	17	47.78	16	47.84	15	48.51
22	47.93	24	47.77	23	47.80	22	48.52
Mar. 1	47.99	31	47.78	30	47.93	29	48.55
8	48.05	June 7	47.74	Sept. 6	47.78	Dec. 6	48.60
15	48.10	14	47.74	13	48.04	13	48.64
22	48.14	21	47.71	20	48.08	20	48.64
29	48.15	28	47.70	27	48.15	27	48.70

79:38-3. American Finishing Co. Lauderdale St. and Bodley Ave. Memphis. Lat. 35°05'02", long. 90°02'36". Drilled unused artesian well in sand of Claiborne group, diameter 12 inches, reported depth 430 feet. Land-surface datum is about 240 feet above msl. Highest water level 66.7 below lsd, Feb. 28, 1949; lowest 135.6 below lsd, Sept. 22, 1955. Records available: 1945-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	111.9	109.8	h113.25	114.8	.....	118.0	118.4	126.5	133.6	130.0	118.6	121.0
2	105.0	110.0	118.3	113.1	.....	118.4	118.3	129.0	133.6	125.0	121.5	122.4
3	108.1	110.3	118.4	105.5	h114.54	117.9	116.4	132.3	132.7	124.3	121.2	121.8
4	110.1	111.7	117.4	111.0	117.0	116.5	115.2	135.4	128.3	128.2	118.7	114.7
5	110.6	111.8	117.4	113.7	121.5	114.1	113.5	134.0	124.7	129.7	118.5	117.1

79:38-3--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
6	110.5	109.5	110.8	114.4	123.3	116.4	115.8	132.5	126.4	130.2	115.0	118.2
7	111.2	107.9	111.6	114.4	121.4	117.4	117.2	129.1	129.2	131.1	114.9	118.4
8	110.7	111.4	114.5	115.2	.....	118.0	117.2	127.2	130.2	130.9	117.3	118.6
9	103.8	112.3	115.2	114.6	.....	118.8	117.0	131.4	130.3	125.5	117.7	118.4
10	107.9	112.9	114.9	108.9	h119.17	118.9	117.5	132.9	130.2	123.8	118.9	117.7
11	107.0	112.6	114.8	110.5	.....	118.0	120.0	132.4	128.5	128.7	120.1	115.5
12	106.9	109.0	113.9	111.6	.....	113.4	126.2	131.3	.....	128.3	120.1	116.7
13	.....	109.3	106.7	113.0	.....	113.2	128.6	130.3	h129.22	127.6	118.2	118.4
14	.....	112.8	109.8	115.9	.....	h114.11	128.0	.....	133.7	127.0	116.9	118.8
15	.....	116.1	111.0	116.1	.....	114.5	126.8	.....	134.1	126.2	120.8	118.0
16	.....	117.9	111.4	115.7	.....	114.3	124.3	h126.82	135.3	122.5	122.5	117.2
17	.....	116.5	114.2	109.5	h117.48	114.7	119.8	.....	134.6	121.3	122.4	116.9
18	h105.49	116.2	113.7	112.7	h117.25	114.6	121.5	h130.78	130.1	121.3	121.2	114.5
19	.....	116.0	112.2	115.9	120.9	113.0	128.0	132.4	130.5	122.1	118.7	115.6
20	106.7	110.2	106.6	116.9	121.0	113.1	.....	131.5	133.8	122.6	114.5	116.4
21	108.1	.....	110.6	116.8	120.1	h113.85	.....	128.5	134.7	124.3	114.1	116.6
22	107.8	h112.78	111.9	117.8	115.2	120.1	.....	128.3	135.6	124.3	116.8	118.3
23	102.0	117.3	114.2	117.0	118.8	119.7	.....	129.7	135.2	121.3	117.2	118.5
24	106.3	117.6	115.3	.....	122.7	119.7	.....	131.5	133.4	120.4	117.1	118.1
25	108.6	.....	114.9	.....	124.2	119.2	.....	132.0	127.8	123.0	114.2	114.1
26	108.9	.....	114.2	h113.60	126.3	117.1	h125.70	132.1	126.4	123.0	114.0	112.3
27	109.8	.....	108.2	.....	126.9	116.2	.....	131.7	130.7	122.0	112.6	110.8
28	112.7	.....	110.9	.....	124.9	117.5	h130.54	128.4	130.8	121.4	114.1	113.1
29	111.2		114.4	.....	119.2	118.5	130.5	129.4	132.0	120.8	116.8	116.4
30	106.6		114.9	.....	117.2	118.5	128.3	132.2	131.7	116.3	118.4	117.9
31	108.4		114.6		116.8		125.0	133.0		118.6		107.4

h Tape measurement.

79:55-1. Baptist Memorial Hospital. Monroe Ave. and East St. Memphis. Lat. 35°08'28", long. 90°01'50". Drilled unused artesian well in sand of Claiborne group, diameter 6 inches, depth 490 feet. Land-surface datum is about 275 feet above msl. Highest water level 75.42 below lsd, Jan. 30, 1951; lowest 119.50 below lsd, July 7, 1954. Records available: 1949-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	98.72	Apr. 5	97.36	July 5	112.33	Oct. 4	117.26
11	99.24	12	97.80	12	115.81	11	115.37
18	100.14	19	101.08	19	115.70	18	111.46
25	101.09	26	101.49	26	116.79	25	111.42
Feb. 1	101.47	May 3	103.47	Aug. 2	117.84	Nov. 1	109.76
8	101.09	10	106.06	9	116.07	8	108.53
15	100.26	17	106.21	16	114.58	15	108.22
22	100.18	24	109.22	23	115.45	22	107.92
Mar. 1	99.46	31	111.39	30	116.13	29	105.72
8	99.98	June 7	115.01	Sept. 6	113.97	Dec. 6	107.43
15	100.40	14	112.64	13	116.08	13	106.40
22	99.82	21	114.08	20	118.05	20	105.85
29	98.56	28	116.10	27	118.73	27	104.74

79:61-1. Pershing Avenue Corp. Pershing Ave. and Scott St. Memphis. Lat. 35°09'15", long. 89°58'07". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, reported depth 365 feet. Land-surface datum is about 255 feet above msl. Highest water level 60.82 below lsd, Oct. 21, 1946; lowest 103.27 below lsd, Dec. 19, 1950. Records available: 1944-55.

Jan. 4	91.72	Apr. 12	91.92	July 19	99.01	Oct. 11	101.50
11	93.40	19	91.83	26	98.87	18	100.68
25	96.48	26	93.66	Aug. 2	87.23	25	100.67
Feb. 1	93.30	May 3	93.04	9	84.94	Nov. 1	100.44
8	93.27	10	95.23	16	97.17	8	100.24
15	93.98	17	95.14	23	99.47	15	99.60
22	93.90	24	96.12	30	100.97	22	99.80
Mar. 1	93.95	31	96.09	Sept. 6	100.75	29	98.75
8	92.56	June 7	97.27	13	101.80	Dec. 6	99.38
15	93.79	21	97.49	20	101.68	13	99.30
22	93.00	28	98.22	27	102.10	20	99.04
29	93.36	July 5	97.73	Oct. 4	102.11	27	97.00
Apr. 5	91.00	12	97.98				

79:65-1. Clover Farm Dairy. Beale Ave. and Manassas St. Memphis. Lat. 35°08'20", long. 90°02'05". Drilled unused artesian well in sand of Claiborne group, diameter 6 inches, reported depth 501 feet. Land-surface datum is about 270 feet above msl. Highest water level 94.8 below lsd, May 26, 1947; lowest 149.2 below lsd, July 22, 1954. Records available: 1945-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	125.6	h126.44	h124.52	122.8	127.5	137.2	143.5	142.6	142.1	144.0	135.2	132.4
2	121.3	.....	125.8	122.7	129.6	140.5	143.3	142.9	142.6	142.6	134.9	132.2
3	123.6	.....	126.9	119.6	131.0	141.6	140.5	142.3	142.4	141.9	136.2	131.6
4	124.5	.....	127.3	122.7	130.4	141.2	138.2	143.5	141.9	142.5	135.8	130.9
5	124.9	.....	126.8	124.4	133.2	138.8	139.0	143.8	137.8	141.4	134.8	132.2
6	125.4	.....	123.3	124.9	134.5	140.1	138.5	142.9	140.3	142.6	133.3	133.1
7	126.0	.....	125.0	125.6	132.8	140.3	140.9	140.7	140.6	142.9	132.9	132.3
8	125.7	h126.15	124.4	125.4	130.4	137.7	142.0	140.8	142.6	142.0	132.8	133.2
9	122.0	127.0	124.4	125.1	131.8	140.6	142.2	141.4	143.7	140.0	132.0	132.9
10	125.2	127.5	124.8	122.5	133.7	140.1	139.6	140.7	143.5	139.7	133.2	131.6
11	125.9	127.0	126.0	124.6	133.4	138.5	141.0	141.8	141.3	140.2	133.2	130.1
12	126.4	126.3	125.9	125.0	135.9	135.2	141.5	141.3	142.2	139.0	133.4	130.4
13	127.1	124.0	125.3	123.8	136.3	.....	141.1	140.7	142.0	139.5	132.4	131.2
14	127.1	125.8	125.0	124.9	134.6	h136.58	142.6	138.2	142.3	139.3	133.2	130.4
15	126.4	h126.02	126.3	126.9	132.1	135.6	142.6	139.6	143.5	138.0	134.0	131.5
16	122.5	.....	125.7	.....	133.1	138.0	141.5	140.2	144.3	136.4	133.2	131.6
17	125.8	.....	125.6	123.9	135.0	139.0	138.7	138.0	144.4	135.8	134.2	131.2
18	126.4	.....	125.4	127.7	133.2	138.9	140.6	140.5	141.5	1 6.0	133.8	129.8
19	126.8	.....	125.1	h127.14	136.5	137.7	141.4	141.0	143.0	135.5	133.4	130.0
20	127.3	.....	123.9	128.4	137.8	138.9	141.7	141.0	144.2	136.3	132.0	130.7
21	127.1	.....	123.7	129.3	135.8	140.6	143.5	139.3	144.1	137.4	132.4	130.0
22	127.0	h125.14	123.8	129.8	132.1	140.7	144.0	140.6	146.1	137.2	133.2	131.2
23	125.6	126.1	124.3	129.6	135.3	143.0	142.9	141.5	147.6	136.3	132.8	131.8
24	127.2	127.2	124.7	127.0	136.8	143.1	139.6	141.6	145.8	136.3	131.9	132.1
25	127.3	126.9	124.6	128.0	135.2	142.7	141.2	142.3	144.2	136.4	132.1	131.0
26	128.0	126.8	123.6	128.5	138.3	141.5	142.6	142.4	143.2	136.2	130.8	128.2
27	128.6	124.9	121.8	126.7	139.2	141.1	141.7	142.1	144.6	136.7	129.4	129.0
28	129.0	.....	122.1	128.6	138.6	142.3	143.9	141.1	144.1	136.9	129.9	129.3
29	128.8		122.6	129.3	135.6	142.2	144.1	141.6	144.7	135.5	130.8	131.4
30	127.3		123.0	130.2	136.3	142.8	143.2	142.6	145.0	134.0	130.4	131.2
31	127.6		123.0		137.8		142.1	142.1		134.1		130.5

h Tape measurement.

79:87-2. Illinois Central RR. Gilbert Ave. and Barton St. Memphis. Lat. 35°07'16", long. 90°03'22". Drilled unused artesian well in sand of Claiborne group, diameter 6 inches, reported depth 500 feet. Land-surface datum is about 270 feet above msl. Highest water level 67.32 below lsd, Jan. 18, 1949; lowest 124.00 below lsd, July 27, 1954. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	105.31	Apr. 5	104.40	July 5	114.30	Oct. 4	121.38
11	102.89	12	105.34	12	117.84	11	118.03
18	106.66	19	106.64	19	118.19	18	117.74
25	104.85	26	106.76	26	119.25	25	116.00
Feb. 1	108.17	May 3	108.68	Aug. 2	121.07	Nov. 1	113.68
8	106.39	10	112.41	9	120.73	8	114.64
15	106.59	17	112.45	16	121.19	15	114.07
22	104.58	24	113.12	23	121.15	22	112.17
Mar. 1	103.98	31	116.06	30	122.98	29	112.90
8	104.27	June 7	117.62	Sept. 6	117.25	Dec. 6	112.93
15	106.09	14	116.12	13	121.06	13	111.94
22	104.77	21	114.52	20	122.24	20	110.25
29	104.82	28	118.04	27	121.46	27	112.31

79:105-1. Memphis Light, Gas and Water Division. Kansas St. and McLemore Ave. Lat. 35°06'56", long. 90°03'50". Drilled unused artesian well in sand of Claiborne group, reported diameter 8 inches, reported depth 267 feet. Land-surface datum is 292.0 feet above msl. Highest water level 99.66 below lsd, Jan. 22, 1946; lowest 141.08 below lsd, July 21, 1954. Records available: 1944-55.

79:105-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	124.51	Apr. 5	122.28	July 5	132.17	Oct. 4	140.51
11	121.98	12	124.21	12	136.42	11	136.40
18	124.68	19	125.49	19	136.65	18	135.63
25	124.93	26	126.51	26	137.70	25	136.00
Feb. 1	127.17	May 3	127.92	Aug. 2	139.17	Nov. 1	134.85
8	126.10	10	130.44	9	139.85	8	133.24
15	123.93	17	131.79	16	138.63	15	134.03
22	124.42	24	132.20	23	139.80	22	132.38
Mar. 1	124.20	31	132.20	30	140.00	29	131.89
8	124.39	June 7	133.86	Sept. 6	136.04	Dec. 6	133.13
15	125.35	14	132.72	13	140.27	13	132.18
22	123.59	21	133.06	20	141.00	20	129.76
29	122.36	28	135.50	27	139.48	27	128.47

79:122-1. Reed Bros. Dairy. Beechwood Ave. and Bellevue Blvd. Memphis. Lat. 35°07'07", long. 90°01'28". Drilled unused artesian well in sand of Claiborne group, diameter 8 to 6 inches, reported depth 285 feet. Land-surface datum is about 310 feet above msl. Highest water level 116.45 below lsd, May 6, 1947; lowest 155.78 below lsd, Sept. 19, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	136.03	Apr. 4	137.65	July 4	149.55	Oct. 3	155.09
10	136.02	11	137.77	11	150.31	10	155.17
17	135.70	18	144.00	18	151.77	17	150.37
24	135.88	25	141.27	25	153.21	24	149.92
31	138.52	May 2	142.00	Aug. 1	154.16	31	147.72
Feb. 7	138.26	9	145.96	8	154.24	Nov. 7	146.64
14	138.91	16	146.33	15	152.40	14	147.97
21	133.89	23	146.16	22	154.65	21	148.68
28	138.14	30	147.30	29	154.26	28	145.09
Mar. 7	138.26	June 6	148.52	Sept. 5	153.47	Dec. 5	146.22
14	137.51	13	146.21	12	155.25	12	145.45
21	139.10	20	146.40	19	155.78	19	146.04
28	138.33	27	150.48	26	155.77	26	143.20

79:142-1. Welsh Lumber Co. Florida St. and Bodley Ave. Memphis. Lat. 35°04'57", long. 90°03'49". Drilled unused artesian well in sand of Claiborne group, diameter 4 inches, reported depth 485 feet. Land-surface datum is about 220 feet above msl. Highest water level 20.67 below lsd, Feb. 21, 1950; lowest 57.80 below lsd, Sept. 20, 1955. Records available: 1946-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	44.22	Apr. 5	42.48	July 5	49.26	Oct. 4	56.93
11	43.45	12	42.38	12	51.49	11	55.90
18	43.64	19	42.70	19	52.49	18	54.16
25	44.18	26	42.86	26	53.85	25	53.71
Feb. 1	45.78	May 3	44.98	Aug. 2	55.46	Nov. 1	52.07
8	45.74	10	47.52	9	56.53	8	50.87
15	46.61	17	48.20	16	55.91	15	51.24
22	46.12	24	48.63	23	56.51	22	50.90
Mar. 1	45.86	31	49.07	30	56.74	29	50.13
8	46.15	June 7	48.60	Sept. 6	55.54	Dec. 6	50.85
15	44.76	14	48.20	13	56.94	13	50.30
22	44.11	21	48.28	20	57.80	20	50.00
29	43.58	28	50.02	27	57.64	27	48.85

79:148-1D. T. D. Ervin. Sloanville. Lat. 35°21'10", long. 89°57'02". Drilled unused artesian well in sand of Wilcox group, diameter 24 to 16 inches, depth 1,558 feet. Land-surface datum is 264.2 feet above msl. Highest water level 33.20 below lsd, Apr. 21, 1947; lowest 50.35 below lsd, Nov. 17, 1955. Records available: 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	48.74	48.46	47.73	46.94	48.08	48.59	49.20	49.67	49.52	49.96	50.12	50.18
2	48.85	48.64	47.76	46.72	48.05	48.60	49.22	49.68	49.49	49.96	50.26	49.88
3	48.82	48.72	47.64	46.75	48.07	48.56	49.29	49.71	49.48	49.95	50.31	49.84
4	48.76	48.72	47.57	46.76	48.06	48.50	49.28	49.75	49.53	49.92	50.31	49.98
5	48.63	48.55	47.68	46.82	48.04	48.44	49.22	49.78	49.54	49.84	50.21	50.01
6	48.73	48.42	47.70	46.88	48.05	48.39	49.20	49.76	49.54	49.83	50.16	49.96
7	48.73	48.46	47.75	47.01	48.02	48.44	49.20	49.72	49.50	49.96	50.23	49.78
8	48.63	48.45	47.70	47.10	48.11	48.44	49.25	49.66	49.53	50.03	50.28	49.99
9	48.50	48.40	47.61	47.10	48.14	48.48	49.32	49.59	49.60	50.04	50.22	50.10
10	48.49	48.44	47.49	47.10	48.16	48.47	49.32	49.62	49.65	50.03	50.02	50.12

79:148-1D--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	48.52	48.54	47.44	47.10	48.19	48.48	49.33	49.59	49.68	49.98	50.02	50.12
12	48.45	48.63	47.54	47.10	48.17	48.61	49.38	49.54	49.77	49.88	50.12	50.11
13	48.54	48.58	47.63	47.30	48.18	48.68	49.43	49.52	49.78	49.87	50.16	50.04
14	48.44	48.34	47.56	47.51	48.26	48.69	49.42	49.54	49.80	49.82	50.16	50.06
15	48.30	48.20	47.42	47.59	48.31	48.69	49.38	49.52	49.77	49.80	50.06	50.08
16	48.30	48.15	47.59	47.66	48.33	48.71	49.42	49.44	49.77	49.79	50.29	50.09
17	48.30	48.19	47.59	47.74	48.38	48.72	49.44	49.36	49.80	49.85	50.35	49.90
18	48.30	48.13	47.51	47.79	48.41	48.74	49.49	49.37	49.81	49.99	50.33	50.07
19	48.52	48.01	47.43	47.81	48.41	48.73	49.52	49.38	49.78	50.08	50.30	50.16
20	48.52	48.08	47.40	47.86	48.33	48.77	49.52	49.37	49.72	50.12	50.31	50.12
21	48.35	48.08	47.16	47.81	48.26	48.78	49.45	49.37	49.77	50.14	50.20	50.02
22	48.43	48.07	47.16	47.79	48.32	48.78	49.45	49.35	49.81	50.16	50.03	49.97
23	48.43	48.14	47.13	47.68	48.38	48.79	49.43	49.32	49.78	50.17	50.20	49.79
24	48.43	48.17	47.16	47.74	48.31	48.81	49.41	49.35	49.85	50.29	50.24	49.89
25	48.54	48.17	47.16	47.88	48.34	48.85	49.44	49.40	49.92	50.27	50.11	50.05
26	48.55	48.04	47.04	47.94	48.34	48.96	49.51	49.42	49.93	50.16	50.10	50.10
27	48.60	47.90	47.01	47.90	48.34	49.02	49.56	49.40	49.93	50.14	50.06	50.12
28	48.58	47.80	47.14	47.95	48.37	49.07	49.55	49.39	49.92	50.08	50.13	50.16
29	48.59		47.15	48.06	48.43	49.09	49.56	49.39	49.85	50.03	50.23	50.20
30	48.65		47.16	48.10	48.47	49.19	49.57	49.41	49.89	50.11	50.24	50.23
31	48.63		47.06		48.55		49.64	49.48		50.12		50.23

79:149-1. Hugh O. Cobb. Near Brunswick. Lat. 35°17'03", long. 89°45'48". Drilled domestic artesian well in sand of Claiborne group, diameter 3 inches, depth 214 feet. Land-surface datum is about 250 feet above msl. Highest water level 9.14 above lsd, Jan. 18, 1946; lowest 0.64 above lsd, July 11, 1944. Records available: 1944-47, 1949-55. Apr. 5, +1.08; Apr. 19, +1.39; May 3, +1.25; May 17, +1.08; May 31, +1.10.

79:167-1. City of Collierville. Main St. Lat. 35°02'34", long. 89°39'50". Drilled unused artesian well in sand of Claiborne group, diameter 6 inches, depth 240 feet. Land-surface datum is about 390 feet above msl. Highest water level 96.30 below lsd, Mar. 18, 1952; lowest 104.64 below lsd, June 15, 1954. Records available: 1944-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25	99.18	May 3	100.25	July 26	100.48	Oct. 18	98.42
Feb. 8	98.02	17	99.90	Aug. 9	101.33	Nov. 1	98.28
22	98.16	31	98.22	23	99.24	15	98.16
Mar. 8	97.97	June 14	98.76	Sept. 6	99.21	29	98.86
22	98.41	29	100.35	20	99.21	Dec. 13	99.24
Apr. 5	99.02	July 12	100.87	Oct. 4	99.23	27	99.73
19	98.89						

79:174-1. J. O. Goshorn Co. Bodley Ave. and Third St. Memphis. Lat. 35°05'02", long. 90°03'15". Drilled unused water-table well in terrace deposits, diameter 4 inches, depth 58 feet. Land-surface datum is about 225 feet above msl. Highest water level 17.66 below lsd, Apr. 18, 1950; lowest 27.51 below lsd, Oct. 26, Nov. 2, 1954. Records available: 1946-55.

Jan. 4	26.76	Apr. 5	22.29	July 5	24.00	Oct. 4	25.67
11	26.67	12	22.29	12	24.28	11	25.77
18	26.56	19	22.55	19	24.13	18	25.78
25	26.40	26	22.61	26	23.15	25	25.90
Feb. 1	26.53	May 3	23.19	Aug. 2	23.85	Nov. 1	26.03
8	25.45	10	23.68	9	23.30	8	25.94
15	25.53	17	23.94	16	23.81	15	26.25
22	24.69	24	24.02	23	23.96	22	25.74
Mar. 1	24.43	31	23.39	30	24.33	29	25.57
8	23.58	June 7	23.60	Sept. 6	24.81	Dec. 6	25.24
15	23.38	14	23.67	13	25.16	13	25.32
22	23.28	21	23.65	20	25.44	20	25.57
29	22.74	28	23.83	27	25.52	27	25.46

79:175-1. C. W. Bond. Chester St. Arlington. Lat. 35°17'27", long. 89°39'35". Drilled unused artesian well in sand of Claiborne group, diameter 2 inches, depth 200 feet. Highest water level 58.14 below lsd, May 21, 1953; lowest 66.31 below lsd, Oct. 13, 1948. Records available: 1945-55.

Jan. 11	62.93	Apr. 19	62.48	July 26	62.62	Oct. 18	63.40
25	62.95	May 3	62.27	Aug. 9	63.04	Nov. 1	63.51
Feb. 8	62.52	17	62.46	23	63.17	15	63.54
22	62.55	31	63.26	Sept. 6	63.32	29	63.57
Mar. 8	62.53	June 14	62.74	20	63.37	Dec. 13	63.58
22	61.29	29	62.92	Oct. 4	63.40	27	63.57
Apr. 5	61.80	July 12	62.94				

79:193-1. National Cylinder Gas Co. Tully St. and Sexton Ave. Memphis. Lat. 35°10'28", long. 90°02'01". Drilled unused artesian well in sand of Claiborne group, diameter 8 inches, depth 338 feet. Land-surface datum is about 230 feet above msl. Highest water level 68.3 below lsd, Apr. 8, 1951; lowest 110.3 below lsd, July 2, 1954. Records available: 1949-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	86.0	93.3	h87.55	88.3	94.4	.....	106.5	.....	104.8	104.7	100.0	96.2
2	80.7	94.6	88.3	87.4	92.9	.....	106.5	h97.87	103.8	99.6	.....	95.9
3	....	95.3	88.6	85.9	94.2	.....	102.9	98.1	102.0	101.8	.....	95.3
4	h88.76	95.2	89.2	86.1	96.4	.....	96.1	.....	100.8	102.4	.....	94.2
5	91.0	95.1	89.2	87.6	97.4	.....	h95.55	.....	94.2	102.2	100.0	96.6
6	91.9	94.3	86.0	87.7	97.3	.....	.....	.....	97.8	103.4	95.1	97.4
7	93.1	90.7	87.4	87.4	96.2	h100.23	h100.70	.....	101.0	104.2	95.2	97.4
8	93.5	92.5	88.8	88.1	94.2	h101.30	100.2	.....	102.0	102.7	95.7	96.8
9	92.5	93.3	89.5	88.2	93.8	102.8	100.2	h92.73	103.6	96.7	96.0	96.6
10	90.6	93.1	90.5	86.9	95.9	101.8	100.2	93.4	104.2	101.0	96.3	95.5
11	92.4	92.4	91.6	86.4	97.4	100.7	101.7	94.6	101.0	101.5	96.7	89.3
12	93.2	91.6	91.6	87.2	99.0	.....	102.0	94.2	100.8	101.3	96.5	....
13	94.0	91.5	90.3	89.0	98.9	.....	102.6	94.0	100.4	100.6	.....	h93.58
14	94.5	90.0	88.7	91.0	98.3	h98.26	102.5	92.7	100.8	100.5	.....	94.4
15	94.4	90.2	89.0	91.4	97.4	97.3	101.5	96.4	102.0	.....	h95.30	95.0
16	92.6	89.0	89.5	90.4	96.8	.....	101.3	97.4	105.2	.....	.....	95.3
17	93.0	90.8	90.5	89.1	97.5	.....	98.4	98.2	105.8	.....	.....	95.3
18	94.4	91.4	90.7	92.6	98.5	.....	100.1	98.7	104.2	h97.82	.....	94.6
19	95.3	91.4	90.4	93.1	99.8	.....	100.7	101.2	104.6	98.0	.....	93.4
20	95.8	90.2	89.9	93.0	101.4	.....	103.6	101.7	105.2	98.6	95.5	93.8
21	96.2	90.1	88.0	92.9	100.4	h101.92	104.4	99.7	107.2	.....	94.9	93.7
22	96.0	91.1	88.5	94.1	97.4	103.0	103.2	99.4	108.9	.....	96.3	93.8
23	95.2	91.7	....	94.6	100.7	103.6	101.6	101.9	109.3	.....	96.9	94.2
24	94.8	91.9	....	92.0	101.5	103.3	99.8	103.2	106.7	.....	96.2	94.2
25	95.7	91.5	....	....	103.4	103.3	100.8	102.0	99.7	h99.20	91.2	86.0
26	96.2	91.8	....	h91.33	104.1	103.3	102.0	103.2	.....	99.9	92.1	82.2
27	97.7	89.7	....	93.2	104.7	102.0	102.3	103.3	h105.30	100.0	91.6	h85.97
28	97.8	....	....	93.6	105.1	104.3	103.0	101.5	106.5	100.3	93.0	....
29	97.4		h86.81	94.2	101.0	104.8	.....	103.4	106.1	98.5	94.4	....
30	93.9		88.1	94.8	97.0	105.8	.....	104.3	106.2	95.7	95.6	....
31	91.9		88.4		h99.64		.....	105.0		97.4		....

h Tape measurement.

Williamson County

94:1-1. Tennessee Division of Geology and U. S. Geol. Survey. Near Franklin. Lat. 35°55'02", long. 86°54'11". Drilled observation artesian well in Knox dolomite, diameter 6 inches, depth 1,160 feet. Land-surface datum is about 725 feet above msl. Highest water level 84.21 below lsd, Mar. 10, 1952; lowest 114.81 below lsd, Jan. 31, 1950. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	85.01	85.14	84.97	.....	85.19	85.24	85.22	85.30	85.23	85.24	85.21	85.57
2	85.22	85.18	85.07	.....	85.18	85.23	85.29	85.30	85.19	85.30	85.18	85.38
3	85.17	85.39	85.00	.....	85.20	85.18	85.34	h85.23	85.14	85.33	85.27	85.17
4	85.16	85.41	84.95	.....	85.16	85.10	85.30	85.27	85.20	85.31	85.38	85.28
5	85.06	85.28	85.03	.....	85.14	85.02	85.25	85.30	85.20	85.21	85.28	85.28
6	85.15	85.03	85.10	.....	85.14	84.94	85.17	85.26	85.20	85.16	85.10	85.21
7	85.16	85.02	85.16	.....	85.06	84.92	85.13	85.19	85.13	85.18	85.22	84.99
8	85.13	85.06	85.16	.....	85.14	84.85	85.14	85.11	85.15	85.34	85.30	85.13
9	84.99	85.06	85.08	.....	85.19	84.93	85.16	85.11	85.25	85.37	85.23	85.36
10	85.01	84.98	84.92	.....	85.16	84.87	85.12	85.19	85.30	85.38	84.98	85.43
11	85.03	85.16	84.86	.....	85.18	84.81	85.10	85.12	85.26	85.29	85.06	85.46
12	85.05	85.45	84.98	.....	85.09	84.94	85.15	85.07	85.34	85.12	85.19	85.39
13	85.12	85.46	85.09	h84.78	84.97	85.02	85.24	85.08	85.36	85.04	85.23	85.37
14	85.13	85.34	85.03	84.93	84.99	85.10	85.27	85.18	85.40	84.97	85.23	85.35
15	84.98	85.14	84.91	85.00	85.03	85.16	85.16	85.22	85.31	84.99	85.11	85.42
16	84.98	85.06	85.11	85.00	85.03	85.18	85.22	85.13	85.28	84.98	85.29	85.42
17	85.04	85.18	85.11	85.05	85.05	85.21	85.27	85.04	85.31	84.94	85.42	85.23
18	85.03	85.18	85.03	85.07	85.08	85.22	85.30	85.07	85.28	85.11	85.42	85.40
19	85.25	85.08	84.98	85.06	85.10	85.17	85.33	85.12	85.18	85.26	85.36	85.45
20	85.25	85.10	84.93	85.06	85.05	85.17	85.30	85.11	85.11	85.30	85.39	85.43

94:1-1--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
21	85.16	85.14	84.75	85.01	84.98	85.19	85.25	85.12	85.15	85.31	85.29	85.29
22	85.05	85.06	84.96	84.99	84.98	85.14	85.21	85.09	85.18	85.29	85.13	85.17
23	85.06	85.20	84.99	84.76	85.08	85.11	85.15	85.04	85.12	85.30	85.28	84.99
24	85.05	85.25	85.01	84.61	84.97	85.09	85.12	85.08	85.17	85.33	85.38	85.08
25	85.19	85.30	85.08	84.86	84.98	85.04	85.23	85.15	85.28	85.35	85.34	85.28
26	85.23	85.17	85.23	84.96	84.98	85.08	85.24	85.19	85.33	85.20	85.28	85.36
27	85.20	85.04	85.28	84.95	85.01	85.16	85.27	85.17	85.34	85.18	85.19	85.40
28	85.12	84.97	85.14	84.97	85.00	85.23	85.24	85.15	85.32	85.13	85.34	85.46
29	85.14		85.18	85.13	84.99	85.24	85.21	85.12	85.22	84.98	85.53	85.46
30	85.27		85.19	85.19	85.04	85.25	85.20	85.08	85.17	85.03	85.55	85.47
31	85.27		85.10		85.18		85.28	85.18		85.12		85.46

h Tape measurement.

VIRGINIA

By Paul M. Johnston and Seymour Subitzky

Scope of Water-Level Program

The program of water-level measurements in selected observation wells in Virginia was continued in 1955 in cooperation with the Virginia Division of Geology. In northern Virginia, month-end tape measurements were made in 5 wells; in eastern Virginia, measurements were made in 8 wells, 2 of which are equipped with recording gages. Figure 48 shows the location of observation wells in Virginia.

Precipitation

The precipitation and departure from normal recorded by the U. S. Weather Bureau at the Washington National Airport in 1955 are representative of the northern part of Virginia. The following table shows that precipitation was 0.96 inch above normal during the year.

Month	Recorded precipitation 1955	Normal precipitation	Departure from normal	Accumulated departure from normal
January	0.31	3.24	-2.93	-2.93
February	3.13	2.44	+.69	-2.24
March	3.70	3.03	+.67	-1.57
April	2.57	3.06	-.49	-2.06
May	3.38	3.98	-.60	-2.66
June	2.76	3.41	-.65	-3.31
July	2.32	4.26	-1.94	-5.25
August	14.31	4.75	+9.56	+4.31
September	.65	4.12	-3.47	+.84
October	6.46	2.85	+3.61	+4.45
November	1.63	2.73	-1.10	+3.35
December	.22	2.61	-2.39	+.96
Total	41.44	40.48	+.96	+.96

Although the precipitation was 0.96 inch above normal for the year, the monthly distribution deviated substantially from the norm. During 8 of the 12 months, precipitation was below normal. However, the dry trend of the year as a whole was offset by unusually heavy rains which accompanied hurricanes "Connie" and "Diane" in August and hurricane "Katie" in October. Rainfall during those months amounted to 20.77 inches, accounting for half of the year's precipitation.

Interpretation of Water-Level Fluctuations

Northern Virginia.--Observation wells in northern Virginia range in depth from 7 to 35 feet. The Bell and Swart wells, 7 and 10 feet deep, respectively, are dug into alluvium of Recent age. The Bacon well, 24 feet deep, penetrates weathered quartz-mica schist. The Halls Hill and Ross wells, 35 and 28 feet deep, respectively, tap decomposed granitic rock overlain by sands and gravels of Pliocene(?) and Pleistocene ages. Because the wells are shallow, variations in precipitation are reflected rapidly in variations of the water levels.

The following table shows the water level in each well at the beginning and end of 1955, the net change (+ rise, - decline), the highest and lowest levels recorded during the year, and the range in level.

Depth to water and fluctuations of water levels, in feet

Well	Dec. 30 1954	Dec. 30 1955	Net change	Highest	Lowest	Range in level
Halls Hill	27.58	28.09	-0.51	26.75	30.28	3.53
Ross	25.08	23.12	+1.96	21.85	25.25	3.40
Bacon	19.88	16.62	+3.26	15.42	19.65	4.23
Bell	5.80	6.08	-.28	3.23	6.08	2.85+
Swart	1.18	1.35	-.17	1.21	3.09	1.88

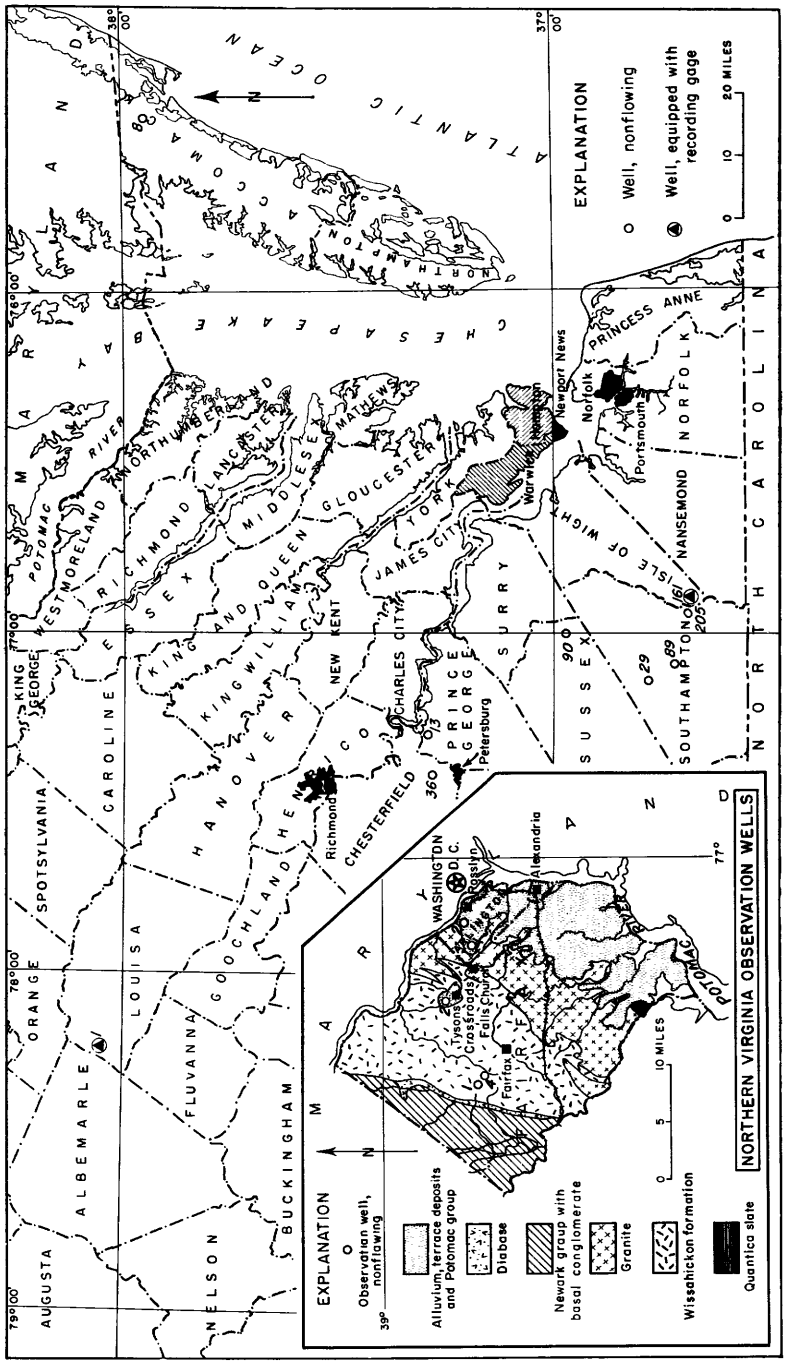


Figure 48.--Location of observation wells in Virginia, 1955.

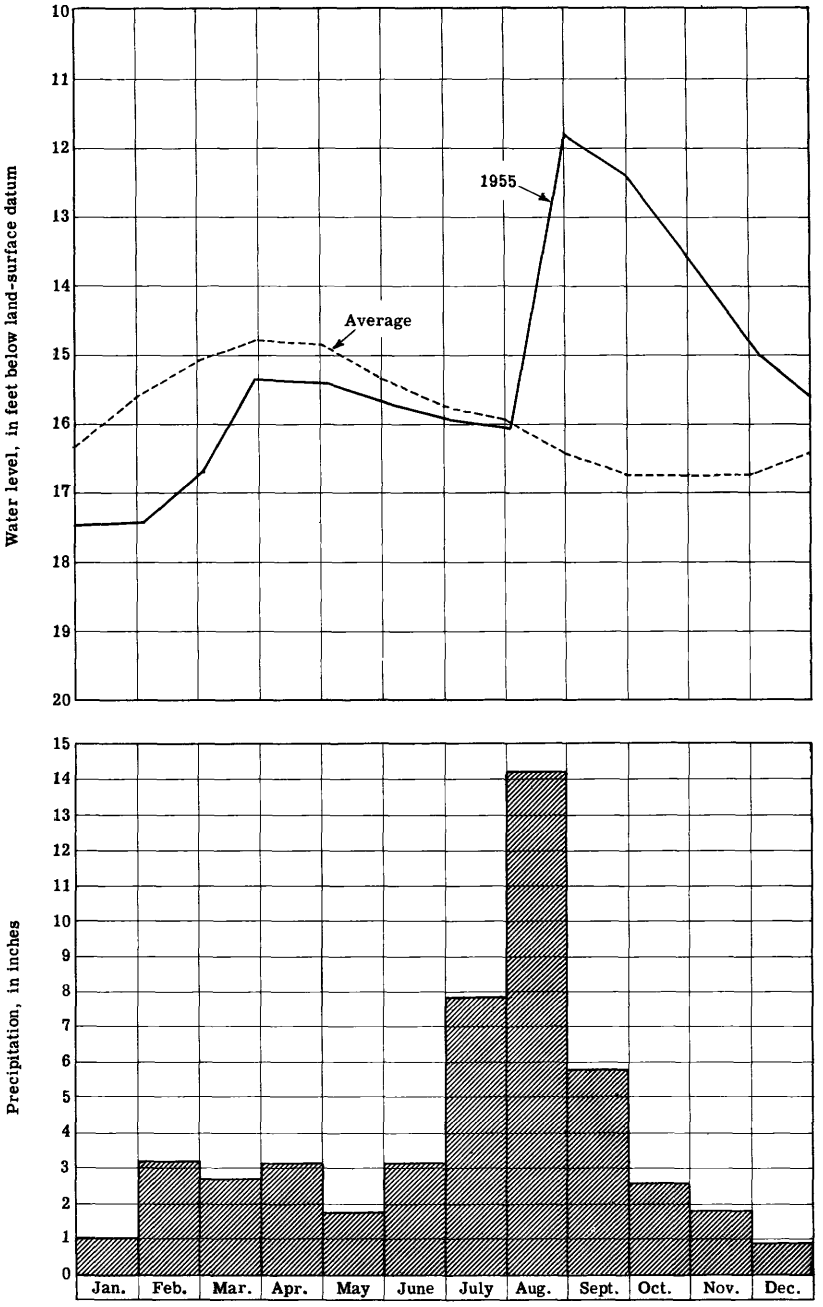


Figure 49. --Hydrograph of Chesterfield County well 36 showing average monthly water level in 1955, average water level for the period 1941-54, and monthly precipitation at Richmond, Va.

In spite of the fact that precipitation in 1955 was 13.16 inches higher than in 1954, levels in three of the wells declined. Water levels in the two shallowest wells (Bell and Swart) showed slight declines. The deepest well (Halls Hill) showed a larger net decline. However, the Ross and Bacon wells both showed appreciable rises in water level. The greatest range in water level (4.23 feet) occurred in the Bacon well.

In years of average precipitation, the highest water levels occur in the spring. Because of the abnormally high rainfall in August, the highest stages for the year were recorded in 4 of the 5 wells in September. In the Swart well, which is influenced by the flow of Difficult Run, the highest stage (1.21) occurred on March 1.

Eastern Virginia.--In 1955, the range of fluctuation of the water level in Accomack County well 8 at the Chincoteague Naval Air Station was 1.29 feet, about half a foot greater than in 1954. The high for the year in late November resulted from above-average rainfall accompanying hurricanes "Connie" and "Diane" in August. The 1955 low in late February reflected deficient precipitation in January. The 1955 year-end level was about 1 foot above the year-end level of 1954, which was 0.1 foot below that of 1953.

Early in May, the water level in Chesterfield County well 36, reflecting near-normal rainfall, had recovered to about 2 feet higher than in January. Thereafter, the water level declined until the end of August when it rose, as a result of the heavy rains from the hurricanes, to a record high of 11.76, 0.33 above the previous high of April 1, 1952. Figure 49 is a hydrograph of well 36 showing the average fluctuation of water level for the period 1941-54, the monthly fluctuation of water level in 1955, and monthly precipitation in 1955 at Richmond. The rainfall at Richmond was 5.04 inches above normal in 1955, compared with 11.44 inches below normal in 1954 and 9.16 inches below normal in 1953.

The water level in Isle of Wight County well 161 at the pulp mill in East Franklin continued to decline in response to increasing industrial pumping, reaching a record low in mid-July, about 8½ feet below the previous record low of mid-October 1954. Pumping from an additional well began in June. Temporary recovery of several feet occurred during the cessation of pumping when the mill was shut down over holidays.

Because of above-average rainfall in mid-October 1954 from hurricane "Hazel" and because of reduced evapotranspiration in the winter and early spring of 1955, the water level in Louisa County well 1 continued to recover until mid-May, when it was about 5½ feet below the record high of April 1953. The deficiency of rainfall from May to August caused the water level to decline until rainfall from hurricanes "Connie" and "Diane" resulted in a small reversal. Thereafter, the water level continued to decline. The 1955 year-end level was slightly less than 1 foot above that of 1954.

The water level in Prince George County well 13 at the Old Dominion Water Corp. in Hopewell showed the usual seasonal pattern of fluctuation. Artificial recharge of cold water probably was carried on periodically from late January to mid-May at the nearby Solvay Process plant. Summer pumping caused a decline of the water level to nearly 49 feet by mid-September. The water level recovered to about 36 feet when the pumping ceased--a net rise for the year of 0.9 foot.

The decline of the water level in Southampton County well 29 at Sebrell, due partly to the increasing rate of industrial pumping in the Franklin area, continued in 1955. The water level in December 1955 was nearly 0.7 foot below that of 1954. The pattern of decline in Southampton County well 205 at Franklin continued until a record low was reached in July 1955. The 1955 year-end level was 4 feet below that of 1954.

The water level in Sussex County well 90 at Wakefield continued to decline, except for several small reversals, reaching a record low on July 28 which was about 2 feet lower than the 1954 record low. There was a recovery of about 2 feet by the end of 1955. The gradual decline might be caused by the continued concentrated industrial pumping at Franklin, about 20 miles to the south-southeast.

Well-Numbering System

Observation wells in Virginia are listed alphabetically by counties and serially within each county.

Well Descriptions and Water-Level Measurements

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

Accomack County

8. U.S. Naval Air Station well B-8. Formerly U.S. Naval Auxiliary Air Station. Near Chincoteague. Lat. 37°56', long. 75°28'. Drilled unused water-table well in sands of Columbia group, diameter 8 inches, depth 60 feet. Land-surface datum is 34.10 feet above msl. Highest water level 24.41 below lsd, Sept. 7, 1949; lowest 29.86 below lsd, Sept. 10, 1951. Records available: 1948-55.

8--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	27.60	Apr. 4	27.47	July 25	27.28	Oct. 24	26.83
11	27.61	19	27.50	Aug. 1	27.25	Nov. 1	26.80
17	27.70	May 1	27.53	10	27.15	7	26.74
25	27.73	16	27.55	Sept. 6	27.10	14	26.67
31	27.79	23	27.47	12	27.00	21	26.65
Feb. 7	27.78	June 1	27.57	19	27.05	28	26.54
15	27.76	9	27.62	27	27.04	Dec. 7	26.63
21	27.83	15	27.63	Oct. 3	27.02	12	26.65
Mar. 1	27.77	22	27.43	10	26.95	19	26.58
21	27.65	27	27.44	18	26.93	27	26.65
30	27.55	July 18	27.25				

Arlington County

1. Halls Hill. Langston School. Lee Highway and North Culpeper St. Lat. 38°53'46", long. 77°07'37". Dug unused water-table well in decomposed granitic bedrock overlain by sands and gravels of Pliocene(?) and Pleistocene age, diameter 24 inches, depth 35 feet. Highest water level 17.74 below lsd, Apr. 20, 1935; lowest 34.80 below lsd, Jan. 4, 1932. Records available: 1932-55.

Jan. 31	30.28	May 2	29.71	Aug. 1	28.21	Oct. 31	26.77
Mar. 1	30.28	31	28.46	Sept. 2	27.14	Nov. 30	27.31
31	29.23	June 30	28.24	30	26.75	Dec. 30	28.09

2. Ross. 1918 North Wayne St., Rosslyn. Lat. 38°53'46", long. 77°05'19". Dug unused water-table well in decomposed granitic bedrock overlain by sands and gravels of Pleistocene age, diameter 25 inches, depth 28 feet. Highest water level 15.85 below lsd, May 20, 1933; lowest 25.42 below lsd, Mar. 21, 28, 1931. Records available: 1928-55.

Jan. 31	25.25	May 2	23.42	Aug. 1	23.53	Oct. 31	22.20
Mar. 1	25.06	31	23.24	Sept. 2	21.85	Nov. 30	22.80
31	24.00	June 30	23.18	30	22.33	Dec. 30	23.12

Chesterfield County

36. J. W. Jacot. Pilcher well, Matoaka Manor. Lat. 37°17', long. 77°25'. Drilled unused water-table well in Petersburg granite, diameter 6 inches, depth 139 feet. Land-surface datum is 57.30 feet above msl. Highest water level 11.76 below lsd, Aug. 30, 1955; lowest 19.09 below lsd, Jan. 14, 1942. Records available: 1939-55.

Jan. 6	17.49	Mar. 29	15.38	June 30	15.92	Oct. 1	12.40
Feb. 3	17.42	May 4	15.40	Aug. 3	16.08	Nov. 4	13.65
Mar. 2	16.71	June 3	15.71	30	11.76	Dec. 6	14.92

Fairfax County

1. Bacon. Fair Acres Farm. Near Fairfax on U. S. Highway 50. Lat. 38°51'52", long. 77°21'13". Dug unused water-table well in weathered quartz-mica schist, diameter 4 feet, depth 24 feet. Highest water level 9.63 below lsd, Apr. 30, 1952; lowest 23.58 below lsd, Dec. 26, 1931. Records available: 1931-55.

Jan. 31	19.65	May 2	16.66	Aug. 1	18.70	Oct. 31	15.80
Mar. 1	18.93	31	16.80	Sept. 2	15.42	Nov. 30	16.18
31	16.86	June 30	17.48	30	15.66	Dec. 30	16.62

2. Bell. Ash Grove. Lat. 38°55'42", long. 77°14'25". Augered water-table well in alluvium of Recent age, diameter 2 inches, depth 7 feet. Highest water level 0.02 below lsd, Nov. 29, 1948; lowest 14.43 below lsd, Oct. 1, 1932. Records available: 1932-55.

Mar. 1	5.31	May 31	5.25	Sept. 2	3.23	Nov. 30	5.22
31	4.02	June 30	5.69	30	5.89	Dec. 30	6.08
May 2	4.24	Aug. 1	(f)	Oct. 31	4.84		

f Dry.

4. Swart. Near Fairfax on U. S. Highway 50 at Difficult Run. Lat. 38°51'48", long. 77°20'48". Dug unused water-table well in alluvium of Recent age, diameter 25 inches, depth 10 feet. Highest water level 0.21 below lsd, Apr. 7, 1939; lowest 3.83 below lsd, Sept. 25, 1936. Records available: 1932-55.

Jan. 31	1.60	May 2	1.28	Aug. 1	3.09	Oct. 31	1.29
Mar. 1	1.21	31	1.45	Sept. 2	2.20	Nov. 30	1.29
31	1.23	June 30	1.91	30	1.41	Dec. 30	1.35

Isle of Wight County

161. Camp Manufacturing Co. Lat. 36°40', long. 76°55'. Drilled artesian well in sand of Potomac group, diameter 6 to 4 inches, depth 605 feet. Land-surface datum is 14.80 feet above msl. Highest water level 7.10 above lsd, Nov. 27, 1941; lowest 59.64 below lsd, July 11, 1955. Records available: 1941-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 3	48.44	Apr. 4	52.46	July 3	59.60	Sept. 26	56.92
10	48.35	11	51.85	5	48.47	Oct. 3	56.80
17	48.15	18	52.64	6	55.22	10	57.14
24	47.96	25	49.78	11	59.64	17	56.09
31	46.34	May 2	50.60	18	58.30	31	55.90
Feb. 7	49.25	9	51.86	25	55.56	Nov. 7	56.24
14	48.15	16	47.72	Aug. 2	55.90	14	55.70
21	54.27	23	51.07	15	55.42	21	56.00
28	51.37	30	52.50	22	54.64	28	55.24
Mar. 7	50.64	June 6	53.50	29	54.36	Dec. 5	55.70
14	51.50	13	54.06	Sept. 6	53.62	12	56.06
21	51.98	20	52.14	12	55.34	19	55.74
28	52.82	27	53.86	20	55.01	27	44.25

Louisa County

1. Tyler well. Near Thelma, 3 miles southwest of Boswells Tavern on Tyler property near State Route 640. Lat. 38°02', long. 78°14'. Drilled observation water-table well in Wissahickon formation, diameter 6 inches, depth 56 feet. Land-surface datum is about 500 feet above msl. Highest water level 15.10 below lsd, Apr. 24, 1953; lowest 30.04 below lsd, Nov. 1, 1954. Records available: 1952-55.

Jan. 3	26.98	Apr. 4	22.64	July 4	23.02	Oct. 3	22.70
10	26.52	11	22.39	11	23.39	10	23.28
17	26.19	18	21.94	18	23.73	17	23.64
24	26.01	25	21.44	25	24.06	24	24.04
31	25.96	May 2	21.18	Aug. 1	24.44	31	24.64
Feb. 7	25.87	9	20.95	8	24.80	Nov. 8	25.08
14	25.73	16	20.84	15	24.76	14	25.35
21	25.53	23	20.95	22	22.26	21	25.67
28	25.19	30	21.21	29	21.66	28	25.94
Mar. 7	24.50	June 6	21.58	Sept. 5	21.54	Dec. 5	26.27
14	23.99	13	21.93	12	21.70	12	26.58
21	23.42	20	22.24	19	21.81	19	26.85
28	22.94	27	22.69	26	22.46		

Prince George County

13. Old Dominion Water Corp. Hopewell. Lat. 37°18', long. 77°16'. Drilled unused artesian well in sands of Potomac group, diameter 6 inches, reported depth 300 feet. Land-surface datum is 50.26 feet above msl. Highest water level 20.73 below lsd, Jan. 25, 1954; lowest 56.95 below lsd, Aug. 14, 1943. Records available: 1939-55.

Jan. 7	37.12	Apr. 8	36.12	July 8	47.76	Oct. 7	48.13
14	36.73	16	36.01	15	47.34	14	47.71
21	36.73	22	36.31	22	48.46	21	46.38
28	36.54	29	37.41	29	48.51	28	42.55
Feb. 4	36.76	May 6	36.96	Aug. 5	48.71	Nov. 4	40.04
12	31.06	13	36.56	13	41.96	11	38.29
18	36.33	20	36.34	19	47.61	18	37.95
25	32.10	27	40.67	26	48.66	25	37.46
Mar. 4	29.26	June 3	43.23	Sept. 2	48.68	Dec. 2	37.16
11	35.90	10	44.36	9	48.84	9	36.29
18	36.00	17	45.22	16	48.44	16	36.42
25	36.06	24	45.76	23	48.31	23	36.20
Apr. 1	36.26	July 1	47.24	30	48.40	30	36.24

Southampton County

29. Virginian Ry. Sebrell. Lat. 36°47', long. 77°08'. Drilled unused artesian well in sand and gravel of pre-Miocene age, diameter 10 inches, depth 344 feet. Land-surface datum is 58.4 feet above msl. Highest water level 15 below lsd, 1907; lowest 40.15 below lsd, Aug. 3, 1955. Records available: 1907, 1938, 1940-46, 1948-55.

Jan. 6	39.31	Mar. 29	39.46	June 30	39.89	Oct. 1	39.83
Feb. 3	39.56	May 4	39.51	Aug. 3	40.15	Nov. 4	39.93
Mar. 2	39.45	June 3	39.68	30	39.73	Dec. 6	39.87

89. Southampton County Courthouse. Courtland. Lat. 36°43', long. 77°04'. Jetted unused artesian well in sand of pre-Miocene age, diameter 2 inches, depth 125 feet. Land-surface datum is about 29 feet above msl. Records available: 1942-46, 1949-53. No measurement made in 1955.

205. Town of Franklin. Fifth Ave. and Middle St. Lat. 36°41', long. 76°55'. Jetted unused artesian well in sands of Potomac group, diameter 4 inches, depth 354 feet, cased to 335, screen 335-354. Land-surface datum is 21.24 feet above msl. Highest water level 14.5 below lsd, June 25, 1942; lowest 62.5 below lsd, July 30, 1955. Records available: 1942-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8	54.5	Apr. 9	57.0	July 9	62.0	Oct. 8	59.5
15	54.8	16	58.2	16	60.5	15	57.5
22	54.5	23	57.0	23	60.0	22	57.3
29	54.5	30	54.5	30	62.5	29	58.0
Feb. 5	57.0	May 7	55.0	Aug. 6	62.0	Nov. 5	58.0
12	53.0	14	54.0	13	61.5	12	57.0
19	57.2	21	54.5	20	58.5	19	60.5
26	57.5	28	55.5	27	58.5	26	58.0
Mar. 5	57.2	June 4	56.0	Sept. 3	59.3	Dec. 3	57.5
12	57.5	11	57.5	10	59.5	10	54.5
19	58.5	18	52.5	17	58.5	17	57.5
26	59.5	25	54.5	24	58.0	24	57.0
Apr. 2	58.5	July 2	61.0	Oct. 1	58.2	31	57.5

Sussex County

90. Jeb S. White. Wakefield. Lat. 36°58', long. 76°59', Drilled unused artesian well in sand and gravel of Potomac group, diameter 3 inches, depth 225 feet. Land-surface datum is 100.7 feet above msl. Highest water level 63.55 below lsd, Apr. 16, 1940; lowest 80.87 below lsd, July 28, 1955. Records available: 1938, 1940-55.

Jan. 4	77.40	Apr. 6	78.53	July 9	79.39	Oct. 5	78.32
11	77.68	12	78.37	13	79.23	12	78.48
18	77.79	19	78.36	28	80.87	19	78.27
26	78.01	26	77.98	Aug. 3	79.78	25	78.55
Feb. 2	78.21	May 3	77.89	9	79.73	Nov. 2	78.62
9	78.08	10	78.61	18	79.08	15	78.54
16	78.15	17	78.62	23	79.09	22	78.58
23	78.33	24	79.40	30	79.94	30	78.35
Mar. 2	78.11	31	79.03	Sept. 6	79.41	Dec. 7	78.82
8	77.51	June 8	78.84	14	79.51	14	78.44
15	77.60	14	78.90	20	78.21	20	78.82
22	77.23	21	78.90	27	78.50	28	78.64
31	77.91	28	78.67				

WEST VIRGINIA

By C. W. Carlston

Scope of Water-Level Program

The observation-well program, begun in 1941 in cooperation with the West Virginia Geological and Economic Survey, was continued in 1955. Measurements of water levels were made in 21 wells, 4 of which are equipped with recording gages. Figure 50 shows the location of observation wells in the State. A report on the ground-water resources of the Ohio River valley in the State was published as part 3 of volume 22, West Virginia Geological Survey.

Precipitation

Precipitation was below normal in 1955, except in February (+1.86), March (+2.60), and August (+0.70). The departure from normal in January was -1.70, in April -0.46, in May -0.69, in June -0.71, in July -1.11, in September -1.23, in October -0.14, in November -0.64, and in December -2.03. The year's total precipitation was 8 percent below normal.

Pumpage

Heaviest ground-water pumpage in the State is along the Ohio River valley, where thick permeable alluvium adjacent to the river permits induced river infiltration. Pumpage for municipal, industrial, and domestic use is estimated at more than 60 mgd (million gallons per day). The highly industrialized Charleston area on the Kanawha River was estimated to have an average pumpage of 2.7 mgd in 1946. Later estimates are not available.

Interpretation of Water-Level Fluctuations

Water levels varied greatly with respect to average conditions during April. The April 29 measurement (31.87) in Wayne County well 50-1-5 was 2.68 feet above average. The readings from the recorder graphs for Kanawha County well 40-5-14 and Wood County well 27-3-22 on April 30 were the lowest of record for that date. The April 11 measurement (19.39) in Preston County well 11-3-8 at Masontown was slightly below average. Water levels were still generally below normal throughout the central and northern parts of the State at the end of September. The September 30 readings for the two recorder wells in Parkersburg (27-3-20 and 27-3-22) were the lowest of record for that date. Water levels were generally above normal at the end of September in the southwestern part of the State. The September 30 reading in recorder well 40-5-14 in Charleston was a record high for that date. The September 30 measurement (38.91) in Wayne County well 50-1-5 at Kenova, the third highest of record for that date, was less than a tenth of a foot below the record high for September 1945. The water level in this well fluctuates in response to changes in stage of the Ohio River.

Well-Numbering System

Observation wells in West Virginia are assigned a three-part number indicating their location by county and magisterial district. The counties have been numbered in a general southward direction beginning with Hancock County at the northernmost tip of the State. The magisterial districts within each county are numbered according to the same plan; the wells within the district are numbered as they are surveyed. Thus, the number 9-6-27, assigned to a well in Morgantown, indicates it is well 27 in district 6 (Morgan District) of county 9 (Monongalia County).

Well Descriptions and Water-Level Measurements

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

Barbour County

14-1-1. U. S. War Dept. Pleasant Creek Church. Lat. 39°14'23", long. 80°01'57". Drilled well in sandstone of Conemaugh formation, diameter 6 inches, depth 110 feet, cased to 6. Land-surface datum is about 1,160 feet above msl. Highest water level 4.30 below lsd, Jan. 15, 1954; lowest 62.33 below lsd, Dec. 5, 1953. Records available: 1953-55.

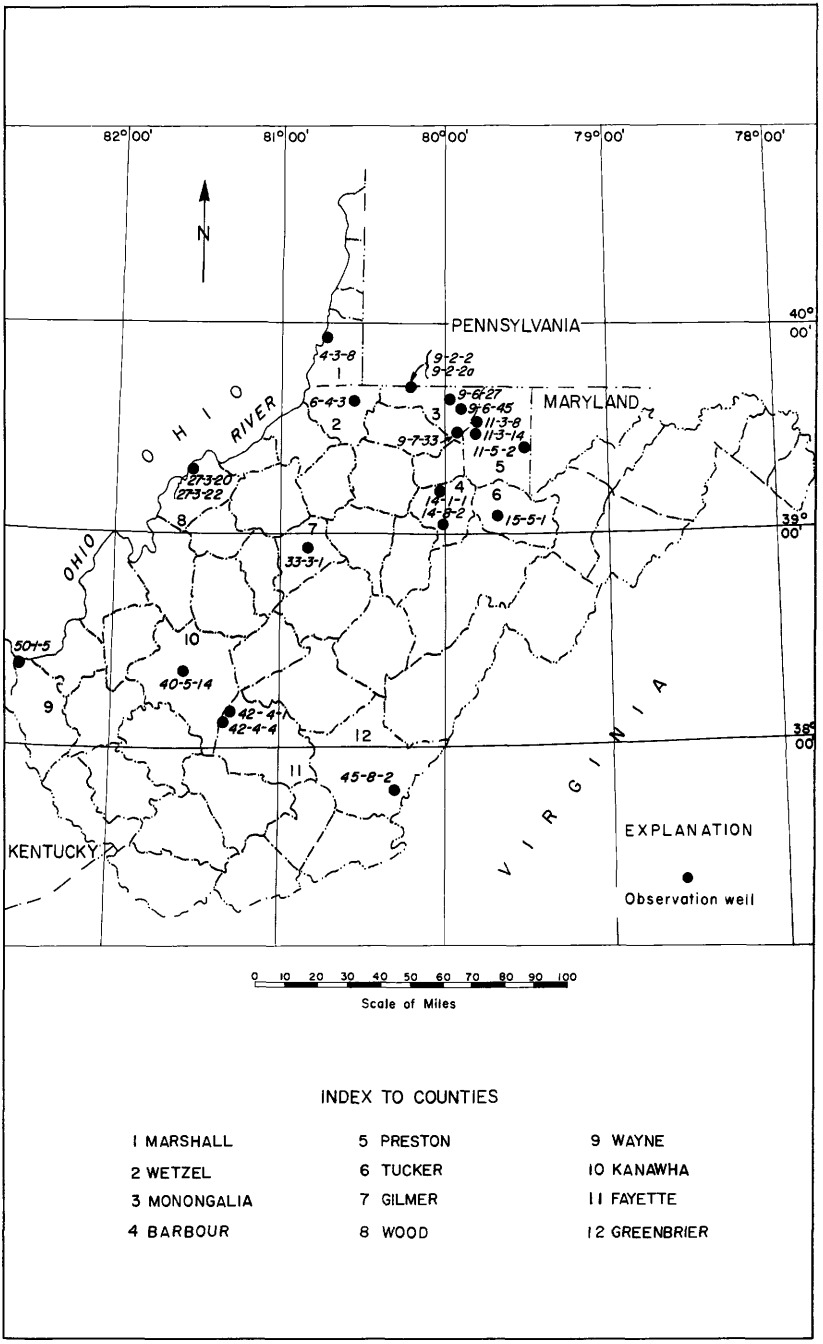


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Figure 50. --Location of observation wells in West Virginia, 1955.

14-1-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	38.96	May 12	30.00	Aug. 4	46.50	Oct. 28	30.00
Feb. 22	23.25	19	43.50	11	43.12	Nov. 4	28.50
Mar. 1	31.10	26	45.75	18	37.50	11	27.00
8	24.03	June 2	48.90	25	27.75	17	24.75
17	35.25	9	48.75	Sept. 1	33.00	20	24.82
24	36.75	16	47.25	8	32.99	27	31.50
31	36.75	22	49.50	15	33.91	Dec. 2	33.00
Apr. 7	45.00	30	44.50	22	34.83	9	27.00
15	45.33	July 7	48.75	29	33.00	16	28.75
21	45.06	14	49.50	Oct. 6	33.75	22	27.75
28	30.00	21	52.13	14	31.50	28	25.65
May 5	45.50	28	51.36	21	27.10		

14-8-2. State Conservation Commission. Audra State Park. Lat. 39°02'27", long. 80°03'55". Drilled public-supply well in Homewood sandstone member of Pottsville formation, diameter 6 inches, depth 75 feet. Land-surface datum is about 1,675 feet above msl. Highest water level 22.50 below lsd, Jan. 31, 1955; lowest 28.12 below lsd, Apr. 26, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 29, 1954	24.60	Jan. 17, 1955	22.75	Mar. 28, 1955	25.30	May 23, 1955	27.10
Apr. 5	24.80	24	23.00	Apr. 4	27.78	31	27.10
12	25.58	31	22.50	12	27.27	June 6	26.20
19	23.68	Feb. 7	24.14	19	27.27	13	26.60
26	28.12	14	24.15	26	27.29	20	26.30
Nov. 24	25.55	21	24.15	May 2	27.25	27	27.00
Dec. 1	25.57	28	24.05	10	27.24	July 5	26.20
Jan. 3, 1955	23.00	Mar. 14	24.50	16	27.20	11	26.60
11	23.00	21	24.80				

Fayette County

42-4-1. Baldwin Supply Co. 407 Fourth Ave., Montgomery. Lat. 38°10'57", long. 81°19'47". Drilled unused artesian well in Pottsville group, diameter 6 inches, depth 95 feet. Land-surface datum is about 600 feet above msl. Highest water level 21.76 below lsd, Feb. 6, 1950; lowest 33.84 below lsd, July 26, 1948. Records available: 1942-53. Measurement discontinued.

42-4-4. Fayette Bottling & Ice Co. Montgomery. Lat. 38°10'48", long. 81°19'27". Drilled used well in sandstone of Kanawha formation, diameter 8 inches, depth 154 feet. Land-surface datum is about 625 feet above msl. Highest water level 35.68 below lsd, Apr. 6, 1954; lowest 53.65 below lsd, Aug. 10, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4	49.87	Apr. 5	48.58	July 5	50.22	Oct. 4	50.70
11	48.20	12	47.92	12	50.18	11	50.05
18	47.58	19	46.70	19	50.26	18	49.64
25	48.90	26	47.34	26	50.32	25	48.88
Feb. 1	48.94	May 3	48.48	Aug. 2	50.48	Nov. 1	46.48
8	48.80	10	49.22	9	50.64	8	44.04
15	48.72	17	50.28	16	50.88	15	44.02
22	47.02	24	50.57	23	50.86	22	44.02
Mar. 1	46.40	31	49.58	30	50.84	29	45.27
8	46.70	June 7	49.32	Sept. 6	50.52	Dec. 6	45.49
15	47.40	14	49.70	13	50.18	13	45.10
22	47.70	21	50.89	20	50.64	20	44.69
29	48.46	28	50.24	27	50.66	27	44.58

Gilmer County

33-3-1. Glenville State College. Glenville. Lat. 38°56'04", long. 80°49'59". Dug unused well in upper part of Conemaugh formation, diameter 36 inches, depth 25 feet. Land-surface datum is about 820 feet above msl. Highest water level 14.44 below lsd, Mar. 6, 1955; lowest 18.75 below lsd, Nov. 30, 1953. Records available: 1953-55.

33-3-1--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2	15.99	Apr. 3	16.21	July 3	17.95	Oct. 2	18.36
9	15.69	10	16.75	10	18.00	9	18.32
16	15.55	17	17.04	17	17.99	16	18.08
23	15.86	24	17.18	24	18.06	23	18.02
30	16.40	May 1	17.18	31	18.07	30	17.99
Feb. 6	16.70	8	17.27	Aug. 7	18.11	Nov. 6	18.03
13	15.70	15	17.41	14	18.18	13	18.06
20	15.41	22	17.45	21	18.12	20	18.07
27	15.24	29	17.58	28	18.02	27	18.05
Mar. 6	14.44	June 5	17.74	Sept. 4	18.04	Dec. 4	18.07
13	15.28	12	17.82	11	18.16	11	17.94
20	15.17	19	17.79	18	18.24	18	17.99
27	15.60	26	17.87	25	18.38	25	18.20

Greenbrier County

45-8-2. U. S. Fish and Wildlife Service. White Sulphur Springs. Lat. 37°48'04", long. 80°17'40". Drilled unused well in Marcellus shale and Hamilton formation, diameter 6 inches, depth 61 feet. Land-surface datum is about 1,875 feet above msl. Highest water level 2.80 below lsd, Mar. 16, 1955; lowest 5.18 below lsd, Oct. 19, 1955. Records available: 1953-55.

Nov. 4, 1953	4.23	Apr. 14, 1954	3.18	Mar. 2, 1955	2.85	Aug. 3, 1955	4.82
11	4.54	21	2.85	9	3.02	10	4.62
18	4.58	28	3.02	16	2.80	17	4.41
25	4.64	Oct. 20	3.75	23	3.24	24	4.43
Dec. 2	4.14	27	3.70	30	3.37	31	4.97
9	4.16	Nov. 3	3.64	Apr. 6	3.72	Sept. 7	4.65
16	4.20	10	3.62	13	3.54	14	4.89
23	4.18	17	3.89	20	3.80	21	4.97
30	4.10	24	3.41	27	3.68	28	5.04
Jan. 6, 1954	3.68	Dec. 1	3.31	May 4	3.74	Oct. 5	5.16
13	3.23	8	3.08	11	4.12	12	5.16
20	3.10	15	3.06	18	3.78	19	5.18
27	3.27	22	3.29	25	3.64	26	5.16
Feb. 3	3.68	29	2.87	June 1	4.12	Nov. 2	5.05
10	3.85	Jan. 5, 1955	3.08	8	3.89	9	5.04
17	4.18	12	3.52	15	4.05	16	4.83
24	4.35	19	3.72	22	4.20	23	4.89
Mar. 3	3.30	26	3.72	29	4.31	30	4.91
10	3.35	Feb. 2	3.54	July 6	4.82	Dec. 7	4.83
17	3.30	9	3.18	13	4.68	14	4.91
24	3.18	16	3.27	20	4.79	21	4.99
31	3.02	23	2.85	27	4.76	28	4.93
Apr. 7	2.98						

Kanawha County

40-5-14. Coyle & Richardson Department Store. Dickinson and Lee Sts., Charleston. Lat. 38°20'53", long. 81°37'53". Drilled unused artesian well in Pottsville group, diameter 8 inches, depth 208 feet, cased to 42. Land-surface datum is about 575 feet above msl. Highest water level 28.82 below lsd, Apr. 15, 1951; lowest 43.44 below lsd, Sept. 6, 1945. Records available: 1941-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	31.83	31.38	30.33	30.41	.....	31.92	33.00	35.02	34.16	34.12	32.24	31.95
2	31.73	31.49	30.47	30.46	.....	31.95	32.94	35.09	34.17	33.95	32.13	31.76
3	31.39	31.49	30.54	30.33	.....	32.09	32.54	35.27	34.17	33.85	32.29	31.73
4	31.42	31.49	30.53	30.28	31.17	31.94	32.04	35.27	33.98	33.70	32.23	31.74
5	31.43	31.28	30.90	30.18	31.29	31.13	33.37	35.23	34.93	33.88	32.11	31.74
6	31.48	31.18	31.43	30.24	31.28	32.21	33.06	34.74	34.73	33.95	31.99	31.70
7	31.37	31.05	31.68	30.21	.....	32.06	33.70	34.74	34.93	33.99	32.05	31.72
8	31.48	30.47	31.65	30.08	.....	32.01	33.82	34.81	34.58	34.07	32.02	31.72
9	31.48	30.50	31.32	30.07	31.14	32.11	33.38	34.83	34.20	33.82	31.91	31.85
10	31.37	30.50	.....	30.24	31.22	32.09	32.89	34.74	34.30	32.99	31.98	31.87

40-5-14--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
11	31.33	30.81	30.57	30.23	31.38	32.25	33.94	34.74	34.00	33.15	31.97	31.85
12	31.37	31.04	30.74	30.24	31.37	31.79	33.90	34.32	34.19	33.08	31.97	31.80
13	31.38	31.04	30.78	30.73	31.31	31.90	33.49	34.34	33.95	32.70	31.97	31.80
14	31.32	30.91	30.78	30.76	31.64	31.75	34.00	34.32	33.95	32.50	31.97	31.75
15	31.37	30.99	30.76	30.70	30.87	31.82	33.72	34.85	33.91	32.42	31.94	31.73
16	31.32	31.01	30.70	30.59	31.19	32.11	33.49	34.84	34.06	32.35	31.82	31.73
17	31.32	31.10	31.08	30.16	31.30	32.21	33.09	34.72	34.10	32.27	32.04	31.65
18	31.32	31.09	31.20	30.59	31.16	32.49	34.11	34.74	33.87	32.35	32.04	31.63
19	31.35	30.90	31.33	30.90	31.04	32.01	34.08	34.44	33.97	32.42	31.94	31.80
20	31.23	30.82	31.34	30.95	.....	33.12	33.66	34.48	34.14	32.42	31.94	31.75
21	31.42	30.98	31.13	30.97	.....	32.70	34.32	34.49	34.02	32.40	31.85	31.65
22	31.42	31.05	31.13	31.02	.....	32.75	34.49	34.74	34.07	32.40	31.85	31.58
23	31.35	31.15	31.19	31.01	.....	32.84	34.03	34.80	34.05	32.32	31.93	31.59
24	31.35	31.12	31.26	30.51	.....	32.83	33.34	34.94	34.17	32.31	31.95	31.55
25	31.38	30.86	31.21	30.39	31.96	32.62	34.04	34.89	33.91	32.31	31.89	31.63
26	31.33	30.79	31.21	30.26	32.28	32.38	34.06	34.84	34.16	32.19	31.79	31.63
27	31.33	30.72	30.77	30.21	31.99	32.95	34.29	34.52	33.90	32.18	31.75	31.64
28	31.35	30.39	30.77	30.09	32.21	32.66	34.63	34.54	34.13	32.18	31.89	31.62
29	31.35		30.64	30.02	32.06	33.00	34.72	34.62	33.58	32.60	31.95	31.57
30	31.32		30.47	30.03	31.47	33.00	34.56	34.47	33.76	32.32	31.95	.....
31	31.37		30.41		31.71		34.56	34.16		32.24		.....

Marshall County

4-3-8. Triangle Conduit & Cable Co. U. S. Highway 250, Glendale. Lat. 39°56'06", long. 80°45'20". Drilled unused water-table well in gravel, diameter 10 inches, depth 100 feet. Land-surface datum is about 650 feet above msl. Highest water level 54.27 below lsd, Jan. 30, 1952; lowest 73.28 below lsd, Jan. 21-22, 1954. Records available: 1950-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	68.60	68.31	66.09	.....	64.31	67.13	68.75	.....	70.01	70.41	69.42	69.38
2	68.12	68.42	66.04	.....	64.46	67.23	68.63	69.65	70.04	70.32	69.92	69.41
3	67.75	68.52	65.93	.....	64.55	67.35	68.46	69.75	70.04	70.34	69.90	69.43
4	67.42	68.58	65.60	.....	64.61	67.36	68.33	69.85	69.92	70.38	69.97	69.44
5	67.16	68.58	65.24	62.76	64.61	67.43	.....	69.90	69.84	70.43	69.97	69.47
6	67.02	68.48	64.50	62.90	64.85	67.54	.....	69.90	69.98	70.46	69.85	69.46
7	66.95	68.54	62.18	63.05	64.86	67.64	.....	69.90	70.03	70.48	70.00	69.38
8	66.82	68.51	60.93	63.21	64.97	67.78	.....	.....	70.07	70.48	70.17	69.34
9	66.68	68.35	61.13	63.25	65.20	67.92	.....	70.07	70.11	70.33	70.22	69.32
10	66.56	68.22	61.13	63.36	65.33	67.93	.....	70.13	70.10	70.38	70.27	69.30
11	66.57	68.08	61.55	63.52	65.48	67.85	.....	70.15	69.97	70.48	70.33	69.32
12	66.58	68.00	61.55	63.80	65.64	67.79	.....	70.15	69.90	70.50	70.34	69.37
13	66.60	67.88	61.51	63.90	65.75	67.88	.....	70.13	69.92	70.50	70.37	69.44
14	66.68	67.79	61.51	64.04	65.62	67.88	.....	.....	69.95	70.49	70.41	69.45
15	66.66	67.78	61.51	64.18	65.52	67.82	.....	.....	69.97	70.44	70.44	69.52
16	66.75	67.78	61.62	64.14	65.88	67.76	.....	.....	69.99	70.22	70.48	69.55
17	66.94	67.79	61.68	.....	66.05	67.83	.....	.....	70.01	70.18	70.47	69.56
18	67.12	67.79	61.78	.....	66.18	67.77	.....	.....	70.02	70.16	70.33	69.60
19	67.22	67.75	61.78	64.36	66.10	67.80	68.38	.....	70.02	70.13	70.09	69.66
20	67.34	67.51	61.76	64.44	66.19	67.96	68.60	.....	70.17	70.10	69.83	69.75
21	67.44	67.57	61.91	64.49	66.22	68.12	68.83	.....	70.28	70.13	69.59	69.76
22	67.43	67.55	62.07	64.53	66.28	68.29	68.90	.....	70.33	70.10	69.50	69.80
23	67.53	67.45	61.97	64.45	66.35	68.29	.....	69.85	70.34	69.95	69.46	69.85
24	67.68	67.33	61.84	64.43	66.51	68.45	.....	69.87	70.30	69.98	69.47	69.85
25	67.80	67.04	61.70	64.58	66.59	.....	69.03	69.93	70.24	70.99	69.39	69.85
26	67.85	66.70	61.58	64.58	66.69	.....	69.16	69.94	70.30	70.04	69.35	69.85
27	67.94	66.36	61.73	64.51	66.76	.....	69.28	69.84	70.31	70.08	69.30	69.85
28	68.03	66.15	61.77	64.34	66.74	.....	69.38	69.78	70.35	70.08	69.31	69.79
29	68.03		61.92	64.32	66.94	68.84	69.49	69.83	70.40	70.01	69.32	69.78
30	68.06		61.93	64.24	.....	68.84	69.50	69.98	70.42	69.88	69.34	69.78
31	68.18		61.95		67.04		.....	69.98		69.91		69.82

Monongalia County

9-2-2. Earl Miller. Blacksville. Lat. 39°43'17", long. 80°12'26". Drilled unused water-table well in shale and sandy beds of lower part of Dunkard group, diameter 6 inches, depth 43 feet, cased to 25. Land-surface datum is about 950 feet above msl. Highest water level 10.98 below lsd, July 1, 1953; lowest 18.14 below lsd, Aug. 23, 1954. Records available: 1952-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	14.88	July 20	17.25	Sept. 22	17.91	Nov. 11	16.14
Mar. 2	13.37	27	17.56	28	17.51	16	15.73
Apr. 8	14.88	Aug. 3	17.53	Oct. 4	17.62	26	15.29
May 23	14.10	24	16.30	12	17.33	Dec. 7	15.36
June 6	15.17	31	16.55	18	16.12	14	15.93
22	15.35	Sept. 7	17.21	26	16.11	20	16.43
28	16.25	14	17.38	Nov. 2	16.56	28	16.89
July 13	17.52						

9-2-2a. Earl Miller. Blacksville. Lat. 39°43'17", long. 80°12'26". Dug unused water-table well in shale and sandy beds of lower part of Dunkard group, diameter 36 inches, depth 16 feet. Land-surface datum is about 950 feet above msl. Highest water level 5.47 below lsd, Jan. 29, 1952; lowest 17.11 below lsd, July 1, 1953. Records available: 1941, 1943-45, 1951-55.

Jan. 5	7.46	July 13	10.09	Sept. 22	10.97	Nov. 11	10.37
Mar. 2	5.51	20	10.50	28	9.53	16	10.39
Apr. 8	8.97	27	10.45	Oct. 3	10.09	26	8.03
May 23	8.38	Aug. 3	11.00	12	9.93	Dec. 7	8.57
June 6	9.41	24	7.49	18	9.07	14	9.15
15	7.46	31	8.59	26	9.75	20	9.36
22	8.60	Sept. 7	9.47	Nov. 2	9.90	28	9.62
28	9.27	14	10.16				

9-6-27. T. J. Johnson. Morgantown. Lat. 39°37'37", long. 79°57'29". Drilled unused artesian well in sandstone of Pottsville group, diameter 10 inches, depth 875 feet, cased to 425. Land-surface datum is about 840 feet above msl. Highest water level 83.05 below lsd, July 12, 1955; lowest 166.41 below lsd, Sept. 10, 1945. Records available: 1941-55.

Jan. 8	85.08	Apr. 11	86.50	July 12	83.05	Sept. 29	86.51
Feb. 5	85.71	May 23	85.67	Aug. 4	86.08	Oct. 30	85.59
Mar. 3	85.58	June 27	85.70	Sept. 3	86.29	Dec. 1	86.66

9-6-45. Deckers Creek Sand Co. Greer. Lat. 39°34'11", long. 79°50'23". Drilled unused artesian well in Pocono sandstone, diameter 8 inches, depth 105 feet, cased to 48. Land-surface datum is about 1,460 feet above msl. Highest water level 8.90 below lsd, Jan. 28, 1952; lowest 32.67 below lsd, Sept. 16, 1946. Records available: 1941-35.

Jan. 8	9.93	Apr. 11	10.48	July 12	11.30	Sept. 29	11.97
Feb. 5	10.25	May 13	9.94	Aug. 2	20.75	Oct. 30	11.00
Mar. 3	9.53	June 27	10.54	Sept. 3	11.42	Dec. 1	10.64

9-7-33. Paul H. Price. Halleck. Lat. 39°29'23", long. 79°57'18". Drilled unused water-table well in Buffalo and Mahoning sandstone members of Conemaugh formation, diameter 6 inches, depth 141 feet, cased to 21. Land-surface datum is about 1,850 feet above msl. Highest water level 56.13 below lsd, Dec. 1, 1955; lowest 65.37 below lsd, Feb. 3, 1954. Records available: 1953-55.

Jan. 8	57.43	Mar. 14	57.02	July 12	60.79	Oct. 30	59.97
Feb. 5	57.54	Apr. 15	57.30	Aug. 2	61.16	Dec. 1	56.13
Mar. 3	56.44	June 6	60.22	Sept. 29	61.21		

Preston County

11-3-8. G. E. Lemmons. East Depot St., Masontown. Lat. 39°33'06", long. 79°47'43". Drilled domestic artesian well in sandstone of Pottsville group, diameter 8 inches, depth 785 feet. Land-surface datum is about 1,770 feet above msl. Highest water level 7.70 below lsd, Mar. 14, 1947; lowest 23.74 below lsd, Dec. 5, 1953. Records available: 1942-55.

Jan. 8	12.95	Apr. 11	19.39	July 12	20.97	Sept. 29	21.44
Feb. 5	16.59	May 15	18.27	Aug. 2	19.98	Oct. 30	17.86
Mar. 3	12.61	June 27	17.74	Sept. 3	19.79	Dec. 1	17.92

11-3-14. Sterling Manufacturing Co. Reedsville. Lat. 39°30'22", long. 79°48'27". Drilled artesian well in sandstone of Conemaugh formation, diameter 4 inches, depth 17 feet. Land-surface datum is about 1,700 feet above msl. Highest water level 0.74 above lsd, Feb. 19, 1943; lowest 2.66 below lsd, Nov. 4, 1953. Records available: 1941-43, 1945-46, 1949-55. Jan. 8, 0.14; Feb. 5, 0.90; Mar. 3, 0.35.

11-5-2. West Virginia State Board of Control. Hopemont Sanitorium. Lat. 39°26'27", long. 79°31'05". Drilled unused well in Pocono sandstone, diameter 8 inches, depth 160 feet. Land-surface datum is about 3,020 feet above msl. Highest water level 1.50 below lsd, Jan. 5, Feb. 23, 1955; lowest 3.00 below lsd, July 28, 1954. Records available: 1954-55.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 27, 1954	2.35	June 9, 1954	1.75	Oct. 27, 1954	2.63	Mar. 23, 1955	2.00
Feb. 3	2.45	23	2.50	Nov. 3	1.60	30	2.08
10	2.59	30	2.62	10	1.74	Apr. 6	1.98
17	2.40	July 7	2.73	17	1.70	13	2.08
24	1.94	14	2.50	24	1.58	20	2.17
Mar. 3	1.87	21	2.60	Dec. 7	1.80	27	2.16
10	1.92	28	3.00	14	1.65	Oct. 5	1.93
17	1.71	Aug. 4	2.50	21	1.59	13	1.80
24	1.75	11	2.10	28	1.55	19	1.95
31	1.85	18	1.93	Jan. 5, 1955	1.50	26	1.69
Apr. 7	2.40	25	1.89	12	1.75	Nov. 2	2.05
14	2.20	31	1.85	19	1.62	9	1.99
21	2.15	Sept. 8	2.10	26	1.56	16	2.03
28	2.00	15	2.50	Feb. 2	1.59	23	2.11
May 5	1.83	22	2.35	23	1.50	30	2.06
12	1.91	29	2.53	Mar. 2	2.28	Dec. 7	2.09
19	2.02	Oct. 6	2.50	9	2.19	14	2.11
26	2.42	13	2.61	16	2.13	28	2.18
June 2	1.90	20	2.55				

Tucker County

15-5-1. State Conservation Commission. Parsons Nursery. Lat. 39°05'31", long. 79°39'52". Drilled used well in sandstone of Catskill redbeds, diameter 6 inches, depth 80 feet, cased to 80 feet. Land-surface datum is about 1,200 feet above msl. Highest water level 8.56 below lsd, Oct. 22, 1954; lowest 12.52 below lsd, Dec. 4, 1953. Records available: 1953-55.

Jan. 4	9.29	May 18	10.64	July 15	11.00	Sept. 2	10.30
17	10.00	21	10.80	23	11.10	9	10.65
21	10.20	30	11.07	29	11.10	16	10.98
31	10.40	June 8	11.10	Aug. 5	12.19	23	10.15
Feb. 18	10.24	17	10.69	12	12.19	30	10.20
Apr. 18	10.36	23	10.99	22	9.30	Dec. 2	10.25
23	10.47	29	11.00	26	9.80	30	10.25
29	10.54	July 8	11.10				

Wayne County

50-1-5. Ashland Oil & Refining Corp. Kenova. Lat. 38°24'24", long. 82°35'27". Drilled unused water-table well in gravel, diameter 6 inches, depth 73 feet. Land-surface datum is about 548 feet above msl. Highest water level 23.93 below lsd, Feb. 9, 1951; lowest 43.14 below lsd, Dec. 11, 18, 1953. Records available: 1942-46, 1948-55.

Jan. 7	39.52	Apr. 8	29.52	July 15	37.77	Oct. 14	36.29
14	39.64	15	29.64	22	38.10	21	40.02
21	39.60	22	30.35	29	38.68	29	40.93
28	39.60	29	31.87	Aug. 5	40.02	Nov. 4	42.02
Feb. 4	39.43	May 6	32.02	12	40.85	11	42.37
11	39.35	13	32.27	19	41.29	18	38.35
18	38.89	20	32.85	26	41.43	25	39.93
25	38.39	27	34.72	31	41.45	29	41.18
Mar. 4	35.39	June 3	35.43	Sept. 2	41.52	Dec. 2	41.18
11	35.25	10	35.93	9	41.62	9	41.14
18	27.74	17	36.18	16	41.74	16	41.10
25	30.01	24	36.43	23	40.02	23	41.60
31	29.39	30	36.60	30	38.91	30	42.12
Apr. 1	29.35	July 8	36.93	Oct. 7	37.93		

Wetzel County

6-4-3. State Road Commission District 6. Burton. Lat. 39°39'53", long. 80°25'52". Drilled well in sandstone of lower Dunkard group, diameter 10 inches, depth 116 feet, cased to 80. Land-surface datum is about 1,068 feet above msl. Highest water level 6.48 below lsd, Mar. 5, 1954; lowest 13.48 below lsd, July 13, 1955. Records available: 1953-55.

6-4-3--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5	7.17	Sept. 7	8.55	Oct. 12	8.68	Nov. 16	8.06
July 13	13.48	14	9.15	18	8.30	Dec. 14	8.09
20	9.01	22	9.57	26	8.35	20	8.31
27	8.89	28	9.01	Nov. 2	8.40	28	8.49
Aug. 3	8.76	Oct. 4	9.03	10	8.21		

Wood County

27-3-20. City of Parkersburg. Lat. 39°17'15", long. 81°33'37". Drilled unused water-table well in gravel, diameter 36 to 18 inches, depth 57 feet, screen 47-57, gravel packed. Land-surface datum is about 608 feet above msl. Highest water level 17.15 below lsd, Mar. 7, 1945; lowest 43.43 below lsd, Dec. 1, 1947. Records available: 1943-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	34.02	36.32	30.45	30.74	33.02	36.72	38.38	.....	38.34	41.18	39.24	38.49
2	32.91	36.48	30.38	30.92	33.61	36.98	38.31	.....	38.43	41.24	39.15	38.54
3	32.77	36.53	30.16	31.45	33.73	37.12	38.18	.....	38.57	41.24	39.05	38.59
4	32.56	36.49	29.14	31.58	33.82	37.32	38.10	.....	38.66	41.28	39.12	38.63
5	32.54	36.46	28.55	31.74	34.01	37.50	38.02	38.38	38.75	41.45	38.83	38.65
6	32.63	36.46	26.35	32.46	34.15	37.69	37.97	38.28	38.80	41.46	38.83	38.64
7	32.67	36.04	.....	32.82	34.40	37.73	37.97	38.22	38.85	41.63	38.88	38.62
8	32.46	35.27	.....	33.03	34.67	37.85	37.90	38.23	38.88	41.63	38.89	38.60
9	32.34	34.76	25.65	33.24	34.78	37.93	37.87	38.24	38.99	41.66	38.91	38.73
10	32.40	34.87	25.88	33.48	.....	37.97	37.85	38.20	39.30	41.68	38.89	38.73
11	32.94	34.93	25.86	33.55	35.31	38.07	37.87	38.19	39.43	41.63	38.92	38.80
12	33.14	.....	26.09	33.51	35.40	38.20	37.89	38.08	39.50	41.68	38.92	38.86
13	33.67	.....	26.04	33.32	35.57	38.23	37.92	38.12	39.66	41.77	38.96	38.91
14	33.90	.....	26.22	33.12	35.60	38.22	37.90	38.09	39.62	41.98	38.99	38.90
15	34.20	34.93	26.43	33.41	35.75	38.22	37.89	37.99	39.69	41.96	38.98	39.99
16	34.41	34.94	26.40	33.60	35.94	38.20	37.94	37.98	39.88	42.13	38.97	39.01
17	34.53	34.80	27.04	33.74	36.00	38.25	37.99	37.97	39.95	42.13	38.94	39.07
18	34.74	34.56	27.59	33.78	35.97	38.27	38.04	37.94	39.98	42.02	38.80	39.14
19	34.93	34.54	28.00	33.72	36.04	38.32	38.04	37.90	40.12	42.08	38.34	39.19
20	35.09	34.57	28.34	33.86	36.00	38.40	38.06	37.87	40.23	42.07	37.90	39.20
21	39.16	.....	28.38	33.86	36.06	38.47	38.00	37.85	40.45	42.21	37.69	39.24
22	35.44	.....	28.28	33.52	36.12	38.50	38.11	37.84	40.41	42.28	37.82	39.26
23	35.48	33.17	.....	33.56	36.20	38.57	38.09	37.87	40.56	42.18	38.19	39.31
24	35.54	32.42	27.69	33.76	36.21	38.62	38.12	37.86	40.71	42.18	38.13	39.36
25	35.69	32.03	27.30	33.78	36.30	38.66	38.18	37.80	40.78	41.78	38.14	39.37
26	35.72	31.75	27.94	33.60	36.33	38.74	38.17	37.83	40.92	41.08	38.18	39.38
27	35.87	31.07	28.37	33.17	36.37	38.78	38.16	37.87	41.03	40.57	38.26	39.39
28	35.96	30.77	28.72	32.86	36.38	38.81	38.14	37.91	41.07	40.25	38.33	39.37
29	36.04		29.40	32.53	36.44	38.83	.....	37.90	41.23	39.76	38.41	39.42
30	36.20		29.75	32.65	36.52	38.75	.....	38.00	41.23	39.45	38.46	39.44
31	36.25		30.56		36.57		.....	38.22		39.48		39.47

27-3-22. City of Parkersburg. Lat. 39°17'12", long. 81°33'32". Drilled unused water-table well in gravel, diameter 5 inches, depth 55 feet, cased to 55. Land-surface datum is about 601 feet above msl. Highest water level 22.17 below lsd, Mar. 7,1955; lowest 37.75 below lsd, Feb. 12, 1948. Records available: 1943-44, 1946-55.

Daily lowest water level from recorder graph

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	30.32	.....	26.86	26.55	28.29	31.60	33.10	33.41	33.48	34.23	34.26	.....
2	29.37	31.77	26.60	26.66	28.80	31.70	33.07	33.43	33.50	34.24	34.31	.....
3	29.21	31.82	26.35	27.15	28.95	31.76	33.05	33.44	33.58	34.23	34.27	33.99
4	28.85	31.75	25.53	27.24	29.03	31.86	33.04	33.47	33.63	34.24	.....	33.99
5	28.82	31.68	25.17	27.48	29.23	32.01	32.99	33.50	33.72	.....	34.18	33.98
6	28.93	31.69	23.64	27.79	29.37	32.16	32.99	33.47	33.73	.....	34.21	34.00
7	28.87	31.46	22.17	28.00	29.53	32.17	33.01	33.43	33.74	.....	34.21	34.03
8	28.67	30.79	.....	28.14	29.76	32.28	32.97	33.48	33.74	34.30	34.16	34.04
9	28.46	30.46	.....	28.39	29.86	32.37	32.95	33.49	33.85	34.29	34.18	33.96
10	28.46	30.47	.....	28.43	29.98	32.41	32.95	33.47	33.86	34.28	34.20	33.86
11	28.90	30.53	.....	28.60	30.18	32.45	32.96	33.46	33.88	34.25	34.20	33.87
12	29.03	30.49	.....	28.60	30.24	32.54	32.98	33.44	33.92	34.30	.....	33.84
13	29.50	30.31	.....	28.58	30.42	32.53	33.02	33.50	33.88	34.29	.....	33.83
14	29.59	30.35	.....	28.76	30.46	32.54	32.99	33.51	33.91	34.34	.....	33.84
15	29.92	30.43	.....	28.89	30.53	32.54	32.96	33.44	33.94	34.34	.....	33.78

27-3-22--Continued.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
16	29.98	30.57	23.26	28.97	30.73	32.59	32.98	33.41	33.96	34.36	.....	33.76
17	30.18	30.57	23.35	29.08	30.79	32.68	32.98	33.42	33.98	34.37	.....	33.71
18	30.50	30.14	23.75	29.12	30.79	32.70	32.98	33.42	33.98	34.39	.....	33.67
19	30.98	30.13	24.06	29.12	30.90	32.75	32.98	33.42	34.01	34.39	.....	33.60
20	31.04	30.14	24.30	29.10	30.96	32.84	32.98	33.32	34.05	34.39	.....	33.62
21	31.04	30.14	24.48	29.14	30.99	32.84	33.17	33.32	34.08	34.44	.....	33.64
22	31.34	29.93	24.66	29.05	31.07	32.91	33.22	33.32	34.07	34.39	.....	33.63
23	31.37	29.17	24.66	28.79	31.12	33.00	33.22	33.39	34.10	34.34	.....	33.57
24	31.43	28.40	22.84	28.81	31.13	33.02	33.23	33.39	34.14	34.30	.....	33.53
25	31.50	28.06	22.44	29.04	31.24	33.05	33.26	33.32	34.14	34.23	.....	33.46
26	31.03	27.80	22.85	29.04	31.25	33.05	33.30	33.32	34.15	34.24	.....	33.46
27	31.13	27.45	23.24	28.82	31.32	33.15	33.31	33.33	34.17	34.24	.....	33.47
28	31.17	27.12	23.53	28.22	31.35	33.18	33.33	33.34	34.17	34.25	.....	33.48
29	31.23		24.13	27.95	31.41	33.20	33.32	33.34	34.22	34.26	.....	.....
30	31.38		25.68	28.03	31.50	33.18	33.34	33.34	34.25	34.27	.....	.....
31	31.38		26.34		31.55		33.39	33.45		34.27		.....

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