

# Ground-Water Levels in the United States, 1974

Southeastern States

---

GEOLOGICAL SURVEY WATER-SUPPLY PAPER 2165

*Prepared 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*



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**UNITED STATES DEPARTMENT OF THE INTERIOR**

**CECIL D. ANDRUS, *Secretary***

**GEOLOGICAL SURVEY**

**V. E. McKelvey, *Director***

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- PREFACE

This report was prepared by the U.S. 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, J. S. Cragwall, Jr., chief hydrologist, G. W. Whetstone, assistant chief hydrologist for Scientific Publications and Data Management, under the general direction of G. A. Billingsley, chief, Reports Section, and C. B. Ham, chief, Data Reports Unit.

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# GROUND-WATER LEVELS IN THE UNITED STATES, 1974

## SOUTHEASTERN STATES

### INTRODUCTION

Publication of ground-water level data for the United States in water-supply papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single water-supply paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). Since then water-supply papers have been issued covering 6 separate sections of the United States as shown in figure 1. See table on page 2 for the number of the water-supply paper containing records by year and section.

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

Each well is identified by (1) a 15-digit number based on latitude and longitude, and (2) a local number that is provided for continuity with older reports and for other use as dictated by local needs. The first 6 digits of the 15-digit number are degrees, minutes, and seconds of north latitude; the next 7 digits are degrees (including a leading zero for those less than 100), minutes, and seconds of west longitude; and the final 2 digits are sequential numbers assigned in the order in which the wells (or other hydrologic sites) are established in that 1-second quadrangle. This system provides both the geographic location and a unique number for each well.

Measurements are made in many types of wells, under varying conditions of access and at different temperatures, hence, neither the method of measurement nor the equipment can be standardized. At each observation well, however, the equipment and techniques used are those that will insure that measurements at each well are consistent.

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

In the well description, dimensions are given in International System Units (SI) as well as in English units. The factor 0.3048 is used to convert feet to meters; the factor 2.54

is used to convert inches to centimeters; and the factor 1.609 is used to convert miles to kilometers.

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

Measurements were made by the Water Resources Division of the Geological Survey under the direction of personnel listed in the preface.

Numbers of water-supply papers containing records of water levels in the United States, 1940-74

Year	North-eastern (1)	South-eastern (2)	North-central (3)	South-central (4)	North-western (5)	South-western (6)
1940	906	907	908	909	910	911
1941	936	937	938	939	940	941
1942	944	945	946	947	948	949
1943	986	987	988	989	990	991
1944	1016	1017	1018	1019	1020	1021
1945	1023	1024	1025	1026	1027	1028
1946	1071	1072	1073	1074	1075	1076
1947	1096	1097	1098	1099	1100	1101
1948	1126	1127	1128	1129	1130	1131
1949	1156	1157	1158	1159	1160	1161
1950	1165	1166	1167	1168	1169	1170
1951	1191	1192	1193	1194	1195	1196
1952	1221	1222	1223	1224	1225	1226
1953	1265	1266	1267	1268	1269	1270
1954	1321	1322	1323	1324	1325	1326
1955	1404	1405	1406	1407	1408	1409
1956	....	....	1456	....	....	....
1956-57	1537	....	....	....	....	....
1956-58	....	1538	....	....	....	....
1956-59	....	....	....	1549	....	....
1956-60	....	....	....	....	1760	1770
1957-61	....	....	1781	....	....	....
1958-62	1782	....	....	....	....	....
1959-63	....	1803	....	....	....	....
1960-64	....	....	....	1824	....	....
1961-65	....	....	....	....	1845	1855
1962-66	....	....	1976	....	....	....
1963-67	1977	....	....	....	....	....
1964-68	....	1978	....	....	....	....
1965-69	....	....	....	1979	....	....
1966-70	....	....	....	....	1980	2010
1967-71	....	....	2090	....	....	....
1968-72	2140	....	....	....	....	....
1969-73	....	2171	....	....	....	....
1970-74	....	....	....	2172	....	....
1971-74	....	....	....	....	2161	2162
1972-74	....	....	2163	....	....	....
1973-74	2164	....	....	....	....	....
1974	....	2165	....	....	....	....

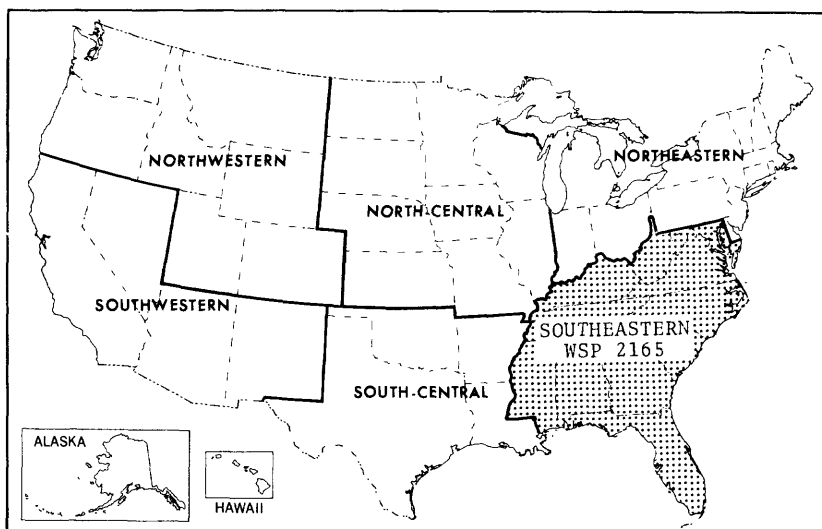


Figure 1. Map of the United States showing States for which records of water levels are published in this volume



# ALABAMA

The observation-well program in Alabama, begun in 1940, was continued during 1974 in cooperation with the Geological Survey of Alabama. Figure 2 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given. Wells are designated by abbreviations derived from county names and by serial numbers. For example, Bal-1 is well 1 in Baldwin County.

## Well Descriptions and Water-Level Measurements

Water levels are reported 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. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

### Baldwin County

302435087414001. Local number Bal-1. Riviera Utilities. At Foley. Drilled unused artesian well in sand and gravel of Miocene age, diam 10 in (25 cm), depth 134 ft (41 m), cased to 94 ft (29 m), slotted 94-134 ft (29-41 m). Lsd 76 ft (23 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 15.0 ft (4.6 m) below lsd, Oct. 13, 1959; lowest 31.2 ft (9.5 m) below lsd, June 22, 1956. Records available: 1949-74. Water levels affected by pumping of nearby wells. Measurements made by Riviera Utilities.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.3	24.3	24.4	24.6	...	25.0	25.7	26.2	26.5	26.3	26.8	26.9
10	24.2	24.5	24.5	24.9	24.8	25.0	25.6	26.0	26.5	26.6	26.5	26.8
15	24.2	24.3	24.5	24.8	25.1	25.2	25.8	26.1	26.0	26.6	26.7	26.9
20	24.1	24.2	24.6	24.7	25.2	25.4	25.9	26.0	26.5	26.5	26.8	26.9
25	24.2	24.5	24.8	24.6	24.9	25.6	25.7	26.1	26.0	26.7	26.8	26.9
Eom	24.5	24.5	24.6	24.9	25.2	25.5	26.2	26.0	26.6	26.8	...	26.9

### Bibb County

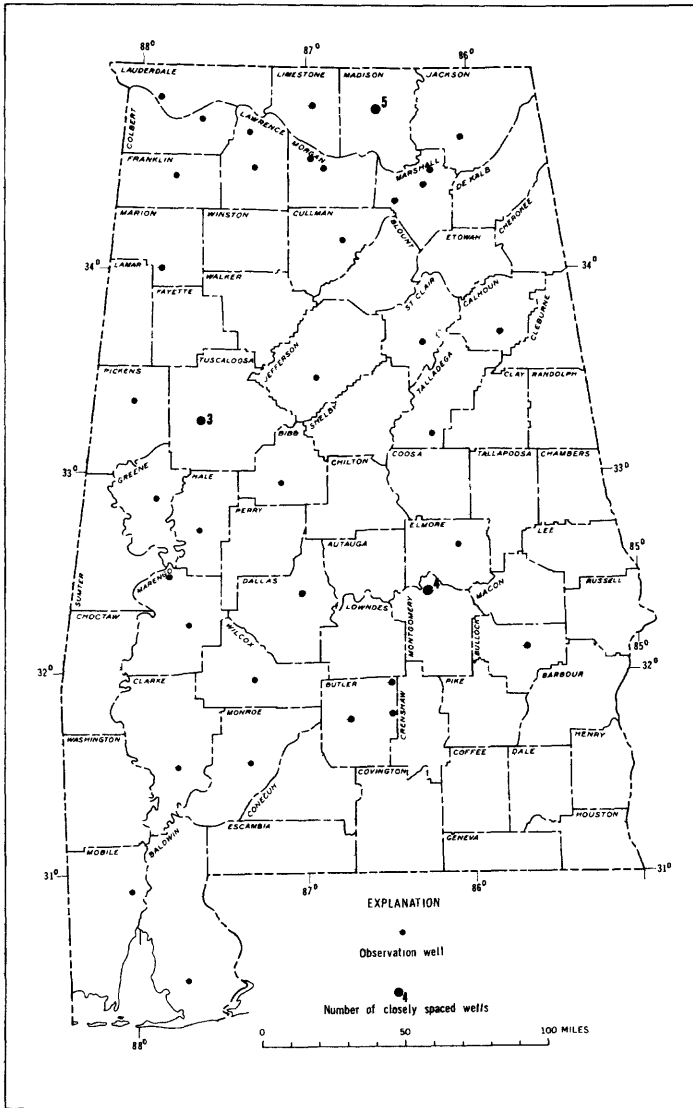
325622087075501. Local number Bib-1. Centreville Gin and Cotton Co. Drilled unused artesian well in Copper Ridge Dolomite of Late Cambrian age and Chepultepec Dolomite of Early Ordovician age, diam 8 in (20 cm), depth 404 ft (123 m), cased to 80 ft (24 m), open hole below. Lsd 230.93 ft (70.39 m) above msl. MP top of casing, 0.43 ft (0.13 m) above lsd. Highest water level 18.0 ft (5.5 m) below lsd, Apr. 2, 1951; lowest 32.3 ft (9.9 m) below lsd, several times October and November 1954. Records available: 1948-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.0	27.0	26.8	25.6	27.5	28.1	29.5	29.6	29.0	29.63	30.02	29.60
10	25.7	26.2	27.2	26.6	27.8	28.3	29.3	28.8	28.7	29.81	30.03	29.14
15	26.0	26.9	27.6	24.4	28.1	28.6	29.4	29.2	28.9	29.88	29.58	29.23
20	26.8	25.4	27.6	26.2	28.4	28.9	29.4	29.6	29.5	29.80	29.65	29.17
25	26.5	25.5	27.3	26.6	27.6	29.2	29.4	29.9	29.8	29.94	29.56	27.04
Eom	26.1	26.1	27.1	27.2	27.7	29.4	29.2	29.9	29.3	30.02	29.62	26.58

### Bullock County

320846085411001. Local number Bul-1. State of Alabama. At Camp Union Springs. Drilled unused artesian well in Eutaw Formation of Late Cretaceous age, diam 6 in (15 cm), depth 882 ft (269 m), casing depth and finish unknown. Lsd 542 ft (165 m) above msl. MP top of casing, at lsd. Highest water level 322.60 ft (98.33 m) below lsd, Mar. 23, 1961; lowest 395.2 ft (120.5 m) below lsd, Nov. 14, 15, 20, 1971. Records available: 1960-74.



320846085411001--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	377.0	378.7	381.2	381.0	.....	384.0	.....	385.5	.....	.....	382.7	378.2
10	376.7	378.8	379.7	378.0	383.8	384.9	381.8	383.4	.....	.....	383.6	378.7
15	377.9	380.2	379.7	378.2	382.4	384.3	.....	381.4	.....	.....	381.7	379.6
20	377.6	379.3	379.05	.....	382.6	.....	.....	386.0	385.6	.....	380.9	379.6
25	378.8	382.7	379.6	.....	383.0	.....	.....	.....	.....	.....	381.6	379.2
Eom	378.5	382.5	378.7	.....	383.8	.....	383.3	.....	.....	382.7	381.0	378.1

Butler County

3143440086273801. Local number But-2. L. L. Rayburn. Drilled unused artesian well in Clayton Formation of Paleocene age, diam 8 in (20 cm), depth 202 ft (62 m), casing depth and finish unknown. Lsd 345 ft (105 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 40.0 ft (12.2 m) below lsd, Apr. 13, 1973; lowest 61.9 ft (18.9 m) below lsd, Feb. 10, 15, 1969. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	49.8	48.5	46.4	....	44.6	46.2	47.4	48.7	49.6	50.5	51.7	52.6
10	49.6	47.7	46.5	....	44.8	46.2	47.6	48.8	....	50.7	51.9	52.7
15	49.7	47.0	46.6	....	45.1	46.3	47.8	48.8	....	50.9	52.1	52.7
20	49.7	46.8	46.7	....	45.4	....	48.0	49.0	50.0	51.1	52.2	52.6
25	49.4	46.6	46.9	44.4	45.6	46.9	48.1	49.2	50.1	51.3	52.3	52.4
Eom	49.0	46.6	46.5	44.5	45.9	47.2	48.4	49.4	50.3	51.5	52.4	52.3

314355086440501. Local number But-3. U.S. Geol. Survey. Drilled unused artesian well in Nanafalia Formation of Paleocene age (previously reported Eocene age), diam 6 in (15 cm), depth 213 ft (65 m), cased to 203 ft (62 m), screened 203-213 ft (62-65 m). Lsd 370 ft (113 m) above msl. MP top of floor in recorder house, 2.96 ft (0.90 m) above lsd. Highest water level 72.72 ft (22.17 m) below lsd, June 12, 1973; lowest 74.26 ft (22.63 m) below lsd, Oct. 24-26, 1972. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	73.2	73.0	72.8	72.8	73.0	73.2	73.4	73.3	73.2	73.3	73.2
10	....	73.1	73.0	72.8	72.9	72.8	73.2	73.3	73.1	73.2	73.3	73.1
15	73.3	73.1	....	72.8	72.8	72.9	73.3	73.3	73.2	73.3	73.3	73.1
20	73.3	73.0	72.9	....	72.9	73.0	73.3	73.3	73.2	73.3	73.1	73.0
25	73.1	73.0	72.8	72.8	72.9	73.0	73.3	73.3	73.2	73.3	73.2	73.0
Eom	73.1	73.0	72.8	72.8	73.0	73.2	73.4	73.4	73.2	73.3	73.2	73.1

315700086315001. Local number But-4. U.S. Geol. Survey. Drilled unused artesian well in Ripley Formation of Late Cretaceous age, diam 6 in (15 cm), depth 290 ft (88 m), screened 280-290 ft (85-88 m). Lsd 440 ft (134 m) above msl. MP top of floor in recorder house, 2.51 ft (0.77 m) above lsd. Highest water level 218.9 ft (66.7 m) below lsd, Mar. 7, 1970; lowest 236.5 ft (72.1 m) below lsd, Oct. 31, 1974. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	233.6	233.7	233.4	233.1	233.3	234.0	234.6	235.0	235.7	236.4	236.4	236.2
10	233.8	233.5	233.4	233.2	233.4	234.0	234.7	235.2	235.8	236.4	236.4	236.2
15	234.1	233.5	233.4	233.1	233.4	234.1	234.9	235.5	236.0	236.4	236.4	236.2
20	234.1	233.4	233.4	233.2	233.6	234.1	235.0	235.6	236.2	236.4	236.3	236.0
25	234.0	233.4	233.3	233.2	233.6	234.1	235.0	235.6	236.4	236.4	236.3	236.0
Eom	233.8	233.4	233.2	233.3	233.9	234.4	235.0	235.7	236.3	236.5	236.3	236.0

Calhoun County

334218085491701. Local number Cal-1. U.S. Army. At Fort McClellan. Drilled unused artesian well in the Conasauga Formation of Middle and Late Cambrian age, diam 6 in (15 cm), depth 212 ft (65 m), cased to 92 ft (28 m), slotted 92-122 ft (28-37 m), open hole below. Lsd 732 ft (223 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 6.7 ft (2.0 m) below lsd, Jan. 13, 1968; lowest 54.7 ft (19.7 m) below lsd, Dec. 31, 1965. Records available: 1960-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	39.4	16.7	13.5	15.9	15.2	28.8	....	43.0	47.0	51.5	55.6	....
10	31.4	15.8	14.7	10.7	18.0	28.7	....	43.6	47.7	52.2	56.2	....
15	20.9	14.8	16.4	10.7	21.2	29.9	....	44.0	48.4	52.8	57.0	....
20	18.7	12.9	18.8	11.7	24.7	31.8	....	44.5	49.2	53.6	....	....
25	18.3	12.8	19.4	12.6	26.8	32.4	40.8	45.3	49.9	54.2	....	....
Eom	17.2	13.0	18.9	13.5	27.1	35.0	42.1	46.4	50.6	55.0	....	....

Clarke County

313040087531001. Local number Cla-1. City of Jackson. In waterworks lot. Drilled unused artesian well in gravel deposits of Miocene age; diam 10 in (25 cm); depth 156 ft (48 m); cased to 134 ft (41 m), previously reported 100 ft (30 m); screened 134-156 ft (41-48 m), previously reported 100-140 ft (30-43 m); open hole below. Lsd 227 ft (69 m) above msl. MP top of casing, 0.25 ft (0.08 m) below lsd. Highest water level 102.0 ft (31.1 m) below lsd, Dec. 20, 1972; lowest 119.29 ft (36.36 m) below lsd, Oct. 23, 1958. Records available: 1958-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	103.5	105.7	104.0	106.1	103.9	104.0	.....	.....	.....	105.6	.....	.....
10	103.2	105.7	103.9	104.7	103.8	104.2	.....	.....	106.9	106.0	.....	.....
15	103.3	103.3	104.0	104.5	.....	103.8	.....	.....	106.6	104.5	.....	.....
20	103.1	106.4	103.9	104.1	103.7	.....	.....	.....	105.6	107.2	.....	105.2
25	104.3	105.4	105.0	104.4	.....	.....	.....	.....	106.4	.....	.....	105.8
Eom	104.0	103.9	104.2	103.9	.....	.....	.....	.....	106.9	.....	.....	106.2

Colbert County

344622087375201. Local number Col-1. U.S. Army, Corps of Engineers. At Muscle Shoals. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 8 in (20 cm), depth 265 ft (81 m), casing depth unknown, open hole below casing. Lsd 527.8 ft (160.9 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 4.70 ft (1.43 m) below lsd, Mar. 16, 1973; lowest 40.30 ft (12.28 m) below lsd, Nov. 3, 1961. Records available: 1953-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.1	7.9	9.3	9.8	10.7	9.6	11.6	11.9	13.1	11.7	12.6	11.4
10	6.6	8.7	9.7	10.2	10.9	9.0	11.2	12.6	8.9	.....	12.8	9.6
15	7.0	7.9	10.2	....	10.2	9.7	11.6	....	9.8	.....	12.9	10.1
20	7.8	8.1	10.4	....	9.7	10.1	12.1	12.4	10.5	.....	12.7	10.7
25	6.6	8.3	8.9	....	9.3	10.6	12.7	12.9	10.9	.....	10.7	8.5
Eom	7.5	8.3	9.4	....	9.8	11.2	11.0	13.0	11.3	12.9	11.2	7.3

Cullman County

341031086504301. Local number Cul-1. City of Cullman. Drilled unused water-table well in sandstone of Pottsville Formation of Early and Middle Pennsylvanian age, diam 8 in (20 cm), depth 81 ft (25 m), cased to 13 ft (4 m), open hole below. Lsd 768 ft (234 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 9.06 ft (2.76 m) below lsd, Mar. 17, 1973; lowest 26.62 ft (8.11 m) below lsd, Aug. 6, 1952. Records available: 1952-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.5	10.3	10.3	10.1	10.2	....	....	10.8	10.8	11.4	11.2	11.2
10	10.4	10.2	10.3	10.1	10.3	....	....	10.9	....	11.3	11.3	11.0
15	10.4	9.8	10.4	9.8	....	....	....	10.8	....	11.3	11.2	....
20	10.4	10.1	10.2	10.1	....	....	....	10.9	....	11.3	11.0	....
25	10.1	10.3	10.5	10.2	....	....	....	11.0	11.1	11.3	11.1	....
Eom	10.2	10.3	10.1	10.3	....	....	10.9	10.9	11.2	11.4	11.2	10.3

Dallas County

322310086594501. Local number Dis-3. Julian H. Smith. Drilled unused water-table well in sand and gravel of alluvial deposits of Quaternary age, diam 16 in (41 cm), depth 47 ft (14 m), cased to 31 ft (9 m), screened 31-47 ft (9-14 m). Lsd 111.9 ft (34.1 m) above msl. MP top of recorder platform, 0.80 ft (0.24 m) above lsd. Highest water level 10.30 ft (3.14 m) below lsd, Jan. 16, 1972; lowest 25.60 ft (7.80 m) below lsd, Dec. 6, 1972. Records available: 1971-74. Measurement discontinued Nov. 20, 1974.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.4	19.9	21.4	21.8	23.5	24.2	24.5	24.4	....	23.8	24.0	....
10	18.9	19.6	22.9	18.2	23.9	24.1	24.5	24.3	....	23.8	24.0	....
15	18.7	20.5	23.0	18.4	....	24.2	24.4	24.3	....	23.8	24.0	....
20	20.4	19.2	23.4	20.0	22.6	24.2	24.4	24.2	....	23.9	24.0	....
25	20.0	18.6	23.6	22.0	24.2	24.2	24.4	24.3	....	23.9	....	....
Eom	19.8	19.4	23.6	23.0	24.1	24.4	24.4	24.3	....	23.9	....	....

Elmore County

323757086013901. Local number Elm-1. City of Eclectic. At high school. Drilled unused artesian well in augen gneiss, diam 8 in (20 cm), depth 402 ft (123 m), cased to 63 ft (19 m), open hole below. Lsd 557.5 ft (169.9 m) above msl. MP top of casing, at lsd. Highest water level 6.34 ft (1.93 m) below lsd, Apr. 8, 1960; lowest 12.76 ft (3.89 m) below lsd, Oct. 29, 1954. Records available: 1953-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.0	9.1	8.6	8.7	9.3	10.1	10.5	10.4	....	9.4	9.7	9.8
10	9.9	8.8	8.6	8.7	9.4	10.0	10.4	10.3	....	9.4	9.8	9.8
15	9.7	8.7	8.7	8.6	9.5	10.1	10.5	10.4	....	9.5	9.9	9.8
20	9.7	8.6	8.8	8.8	9.1	10.3	10.3	10.1	....	9.4	9.8	9.6
25	9.4	8.4	8.9	9.0	9.8	10.3	10.3	10.0	....	9.4	9.9	9.3
Eom	9.1	8.4	8.8	9.1	10.0	10.6	10.4	....	....	9.7	10.0	9.0

Franklin County

343131087442801. Local number Fra-1. City of Russellville. Drilled unused artesian well in Bangor Limestone of Late Mississippian age and sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 6 in (15 cm), depth 210 ft (64 m), cased to 140 ft (43 m), slotted 140-146 ft (43-45 m), open hole below. Lsd 890 ft (271 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 26.57 ft (8.10 m) below lsd, Mar. 30, 1965; lowest 44.15 ft (13.46 m) below lsd, Nov. 27, 1963. Records available: 1962-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	33.0	29.7	....	30.7	32.4	31.0	....	34.6	35.8	35.7	36.3	34.6
10	32.7	30.9	....	31.5	32.6	30.7	34.7	35.0	32.5	35.8	36.1	34.9
15	31.0	31.6	33.3	....	31.6	31.9	34.5	....	33.3	36.1	36.2	35.2
20	....	30.0	33.3	32.2	....	32.9	34.9	34.9	34.2	35.1	35.4	35.7
25	28.9	....	31.9	32.4	....	33.5	34.3	35.4	34.9	35.9	34.7	32.3
Eom	29.5	....	31.9	33.1	31.9	34.0	33.9	35.6	35.2	36.4	35.2	30.6

Greene County

325005087532001. Local number Gre-3. City of Eutaw. At sewage pumping plant. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 4 in (10 cm), depth 407 ft (124 m), cased to 395 ft (120 m), screened 395-407 ft (120-124 m). Lsd 172.14 ft (52.47 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 35.94 ft (10.95 m) below lsd, Apr. 2, 1953; lowest 44.6 ft (13.6 m) below lsd, Nov. 5, 1972. Records available: 1952-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	42.5	42.3	42.1	42.2	42.8	42.9	43.5	43.6	43.4	43.7	43.2
10	42.7	42.5	42.3	42.1	42.2	42.8	43.2	43.6	43.3	43.4	....	43.2
15	42.6	....	42.2	42.1	42.2	42.8	43.4	43.5	43.3	43.4	....	....
20	42.5	42.3	42.2	42.1	42.3	42.8	43.1	43.5	43.3	43.5	....	....
25	42.4	42.3	42.1	....	42.4	42.8	43.2	43.5	43.4	43.4	....	....
Eom	42.4	42.3	42.1	42.1	42.6	42.8	43.3	43.6	43.4	43.6	....	....

Hale County

324205087352801. Local number Hal-1. City of Greensboro. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 10 in (25 cm), depth 278 ft (85 m), cased to 258 ft (79 m), screened 258-278 ft (79-85 m). Lsd 257 ft (78 m) above msl. MP top of casing, at lsd. Highest water level, tape measurement, 40.12 ft (12.23 m) below lsd, Apr. 12, 1962; lowest 50.7 ft (15.5 m) below lsd, Nov. 10-23, 1973, Aug. 31, 1974. Records available: 1961-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	49.9	49.5	49.4	49.4	49.2	49.3	49.7	50.4	50.6	50.2	50.5	50.1
10	49.8	49.5	49.4	49.3	49.3	49.3	49.8	50.5	50.6	50.2	50.5	50.1
15	49.7	49.5	49.5	49.2	49.4	49.3	49.9	50.5	50.4	50.3	50.2	50.1
20	49.6	49.4	49.5	49.1	49.4	49.4	50.0	50.5	50.3	50.3	50.2	50.1
25	49.6	49.4	49.5	49.2	49.4	49.4	50.2	50.6	50.3	50.4	50.2	50.1
Eom	49.5	49.4	49.4	49.2	49.4	49.6	50.3	50.7	50.2	50.5	50.1	49.9

Jackson County

344003086012102. Local number Jac-2. Tennessee Valley Authority. In Scottsboro. Drilled unused water-table well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 40 ft (12 m), cased to 35 ft (11 m), slotted 35-40 ft (11-12 m). Lsd 648.68 ft (197.72 m) above msl. MP top of casing, 2.20 ft (0.67 m) above lsd. Highest water level 2.00 ft (0.61 m) below lsd, Mar. 17, 1973; lowest 21.00 ft (6.40 m) below lsd, Sept. 17, 1972. Records available: 1971-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.2	7.2	9.1	7.0	10.9	9.7	....	12.6	12.7	....	14.7	9.4
10	5.7	7.2	9.8	5.4	11.3	10.3	....	11.5	13.0	....	13.5	9.0
15	6.3	6.9	10.4	8.0	10.5	11.3	....	10.6	13.5	....	12.6	9.7
20	8.0	7.0	10.3	9.5	10.7	12.2	....	11.5	14.1	....	9.4	10.1
25	6.5	7.7	8.3	9.6	9.7	12.5	15.6	11.5	14.6	....	10.3	....
Eom	6.9	8.5	8.2	10.6	9.4	....	14.2	12.3	....	14.6	10.8	....

Jefferson County

332605086523001. Local number Jef-1. Woodward Iron Co. In Bessemer. Drilled unused artesian well in Bangor Limestone of Late Mississippian age, diam 6 in (15 cm), depth 140 ft (43 m), cased to 68 ft (21 m), open hole below. Lsd 641.94 ft (195.66 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 12.2 ft (3.7 m) below lsd, Apr. 7, 1973, Feb. 25, 1974; lowest 83.04 ft (25.31 m) below lsd, Dec. 27, 28, 1954. Records available: 1954-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.9	14.0	12.8	15.5	16.0	....	....	....	....	....	....	24.27
10	15.7	13.7	14.0	15.1	....	....	24.7	....	....	....	....	23.75
15	14.9	13.8	15.3	13.4	....	....	25.3	....	....	....	26.00	23.31
20	14.7	12.5	16.3	13.5	....	21.9	25.9	....	....	....	25.87	23.13
25	14.4	12.2	16.2	13.9	....	....	26.5	....	....	....	24.52	20.92
Eom	13.7	12.3	16.3	14.9	....	....	26.6	....	....	....	24.36	18.27

Lauderdale County

345034087552201. Local number Lau-1. U.S. Park Service. Near Oakland. Drilled unused artesian well in Fort Payne Chert (previously reported in limestone of Fort Payne Chert) of Early Mississippian age, diam 6 in (15 cm), depth 344 ft (105 m), cased to 30 ft (9 m), open hole below. Lsd 435 ft (133 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 12.5 ft (3.8 m) below lsd, Jan. 10, 1974; lowest 24.04 ft (7.33 m) below lsd, Dec. 11, 1968. Records available: 1967-74. Water levels affected by stage of Pickwick Reservoir.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.2	....	....	....	....	....	....	....	20.32	21.20	22.11	....
10	12.5	....	....	....	....	....	....	....	20.14	21.31	22.40	....
15	....	....	....	....	....	....	....	....	20.65	21.34	....	....
20	....	....	....	....	....	....	....	....	20.80	21.89	22.22	....
25	....	....	....	....	....	....	....	20.73	21.08	22.10	....	....
Eom	....	....	....	....	....	....	....	20.38	21.02	21.97	....	....

Lawrence County

342901087170401. Local number Law-1. City of Moulton. At hospital. Drilled unused artesian well in Bangor Limestone of Late Mississippian age, diam 6 in (15 cm), depth 260 ft (79 m), cased to 20 ft (6 m), open hole below. Lsd 650 ft (198 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 10.54 ft (3.21 m) below lsd, Feb. 23, 1961; lowest 23.57 ft (7.18 m) below lsd, Nov. 21, 22, 1963. Records available: 1955-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	13.9	15.7	14.6	15.8	15.0	17.5	18.2	....	17.65	17.99	15.86
10	13.3	14.5	16.1	15.3	15.5	15.2	17.6	18.4	....	17.99	17.34	15.04
15	13.0	14.8	16.4	14.8	14.9	15.1	17.7	....	....	18.30	17.55	15.52
20	13.8	14.2	16.5	15.6	15.3	16.0	18.2	....	16.88	17.36	16.19	15.88
25	13.2	14.5	15.5	16.1	15.3	16.6	18.0	....	16.82	17.78	15.73	15.39
Eom	13.7	14.9	15.6	16.5	14.9	17.1	17.9	....	17.20	18.17	16.18	12.19

344004087205101. Local number Law-2. State of Alabama. At Courtland Air Base. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 12 in (30 cm), depth 200 ft (61 m), cased to 55 ft (17 m), open hole below. Lsd 582 ft (177 m) above msl. MP top of casing, at lsd. Highest water level 9.60 ft (2.93 m) below lsd, Mar. 17, 1973; lowest 50.6 ft (15.4 m) below lsd, Nov. 1, 2, 1963. Records available: 1960-74.

344004087205101--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	16.3	23.4	32.9	....	25.5	....	42.6	44.4	44.3	45.1	41.5
10	20.7	19.3	....	34.4	....	25.6	39.2	43.1	43.2	44.6	44.5	39.5
15	14.8	18.1	....	23.2	....	28.3	40.2	43.6	42.6	44.8	44.5	39.8
20	17.3	17.5	27.5	27.5	....	29.8	40.9	43.4	42.7	44.6	43.5	40.5
25	15.0	18.2	30.6	29.7	....	33.6	41.5	43.8	43.4	44.8	41.6	40.2
Eom	16.1	19.9	32.9	32.5	....	....	41.9	44.2	43.9	45.0	41.2	....

Limestone County

344819086581601. Local number Lim-4. City of Athens. Drilled unused artesian well in Fort Payne Chert (previously reported in limestone of Fort Payne Chert) of Early Mississippian age, diam 6 in (15 cm), depth 143 ft (44 m), cased to 52 ft (16 m), open hole below. Lsd 711 ft (217 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 11.58 ft (3.53 m) below lsd, Mar. 12, 1963; lowest 43.09 ft (13.13 m) below lsd, Nov. 1, 1968. Records available: 1961-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.9	13.6	....	13.4	15.9	14.5	....	....	19.1	19.60	19.76	18.53
10	12.9	14.3	15.6	....	16.1	15.0	17.9	....	19.2	19.72	19.70	18.14
15	12.9	14.6	16.1	....	15.1	15.5	18.2	....	18.7	19.76	19.60	18.04
20	13.5	13.9	16.0	14.9	....	16.2	18.5	....	18.7	19.70	18.89	18.13
25	12.5	14.1	14.2	15.4	....	....	18.7	....	18.9	19.70	18.49	17.99
Eom	13.5	....	15.0	15.9	....	....	....	19.2	19.44	19.78	18.52	15.43

Madison County

344402086343901. Local number Mad-1. City of Huntsville. At Huntsville Junior High School. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 8 in (20 cm), depth 140 ft (43 m), cased to 69 ft (21 m), open hole below. Lsd 660 ft (201 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 49.27 ft (15.02 m) below lsd, Jan. 13, 1968; lowest 65.70 ft (20.03 m) below lsd, Oct. 7, 1963. Records available: 1951-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	55.4	51.7	53.2	53.7	55.9	54.0	57.9	59.2	58.1	61.2	61.2	59.2
10	54.5	52.4	53.8	53.9	56.2	....	58.2	59.4	59.6	61.4	61.4	58.9
15	52.9	52.6	54.5	54.3	56.0	....	58.4	58.5	59.6	61.0	61.2	58.9
20	53.3	52.1	54.8	54.6	56.1	....	58.8	....	60.4	60.6	59.7	59.2
25	53.0	52.1	54.1	55.0	55.9	....	59.0	57.9	60.5	61.3	58.9	59.2
Eom	51.7	52.5	54.3	55.5	55.7	....	59.0	58.0	60.6	61.2	59.1	57.3

344127086350401. Local number Mad-2. City of Huntsville. In Huntsville. Drilled unused artesian well in Fort Payne Chert (previously reported in limestone of Fort Payne Chert) of Early Mississippian age, diam 6 in (15 cm), depth 168 ft (51 m), cased to 56 ft (17 m), open hole below. Lsd 613 ft (187 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 19.13 ft (5.83 m) below lsd, Jan. 31, 1962; lowest 44.30 ft (13.50 m) below lsd, Sept. 13, 1962. Records available: 1953-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	25.9	35.4	34.2	39.0	....	41.3	42.1	42.2	42.8	42.9	41.4
10	30.7	28.8	36.7	34.5	....	....	41.5	42.3	42.2	42.9	42.9	41.0
15	27.2	31.5	37.9	35.2	....	....	41.7	41.8	42.3	43.0	42.8	41.3
20	30.2	29.7	38.6	37.4	....	....	41.9	....	42.5	42.7	41.4	41.6
25	29.0	30.6	36.9	38.3	....	....	42.2	42.2	42.5	42.8	41.0	40.8
Eom	25.9	32.4	36.7	39.1	....	....	41.9	42.2	42.8	43.0	41.4	34.5

344457086363701. Local number Mad-4. Huntsville Country Club. In Huntsville. Drilled artesian well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 145 ft (44 m), cased to 96 ft (29 m), open hole below. Lsd 686 ft (209 m) above msl. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 34.2 ft (10.4 m) below lsd, Mar. 31, 1973; lowest, tape measurement, 79.98 ft (24.38 m) below lsd, Dec. 7, 1956. Records available: 1956-59, 1962-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	37.4	....	....	44.4	47.7	57.9	67.7	69.9	72.9	74.6	73.2
10	....	....	....	....	46.3	....	59.8	68.9	70.0	73.3	74.8	72.7
15	....	....	....	....	47.1	....	61.3	67.1	70.6	73.6	74.9	72.2
20	....	....	....	39.9	47.5	....	60.3	68.5	71.2	73.6	74.5	72.8
25	....	....	....	41.3	47.7	....	65.6	68.9	71.8	74.1	72.8	73.0
Eom	39.2	....	....	42.4	47.3	....	66.7	69.5	72.3	74.4	73.3	66.5

343540086344801. Local number Mad-5. Josh Walling, Jr. Near Farley. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 285 ft (87 m), cased to 28 ft (9 m), open hole below. Lsd 570 ft (174 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.35 ft (0.11 m) below lsd, Mar. 14, 1963; lowest 19.37 ft (5.90 m) below lsd, Nov. 19, 1963. Records available: 1959-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.3	....	....	8.1	12.1	10.9	13.9	14.7	14.9	16.3	16.8	15.5
10	4.3	....	12.2	9.3	12.5	....	14.0	14.5	15.2	16.5	17.2	15.1
15	3.4	....	13.7	9.7	9.0	....	14.4	14.5	15.2	16.8	17.0	15.4
20	....	....	13.9	11.2	9.5	....	14.6	....	15.8	16.5	13.8	16.0
25	....	....	8.9	12.0	9.8	....	14.4	....	16.0	16.8	15.6	11.5
Eom	5.5	....	10.3	12.8	9.3	....	14.5	15.2	15.9	16.8	16.3	5.5

344445086345301. Local number Mad-7. Dallas Mills, Inc. In Huntsville. Drilled unused artesian well in Fort Payne Chert (previously reported in limestone of Fort Payne Chert) of Early Mississippian age, diam 20 in (51 cm), depth 104 ft (32 m), cased to 61 ft (19 m), open hole below. Lsd 643.5 ft (196.1 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 21.00 ft (6.40 m) below lsd, Apr. 14, 1964; lowest 46.40 ft (14.14 m) below lsd, Sept. 7, 1963. Records available: 1962-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.6	25.8	....	29.6	33.3	32.8	37.3	....	37.1	41.0	40.9	38.8
10	31.2	26.6	29.3	29.7	33.8	33.5	37.5	....	38.3	41.2	41.4	38.5
15	28.2	....	30.5	30.2	33.7	34.4	37.9	....	....	40.9	....	38.5
20	28.5	....	31.1	30.9	33.7	35.4	37.8	....	....	40.5	....	38.9
25	27.1	....	30.2	31.7	33.3	35.7	38.2	36.7	40.2	41.1	....	39.3
Eom	25.9	....	30.5	32.5	32.9	36.5	37.5	36.9	40.3	42.0	....	35.9

Marengo County

323055087504101. Local number Mag-1. J. C. Webb Compress Co. In Demopolis. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 4 in (10 cm), depth 900 ft (274 m), cased to 860 ft (262 m), slotted 860-900 ft (262-274 m). Lsd 110 ft (34 m) above msl. MP top of casing, at lsd. Highest water level 0.15 ft (0.05 m) below lsd, Feb. 26, 1954; lowest 23.4 ft (7.1 m) below lsd, Sept. 15, 1969. Records available: 1953-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	10.0	11.5	9.3	....	13.6	12.4	13.3	13.6	12.8	....	12.2
10	9.6	9.9	....	9.4	14.1	14.3	12.1	13.3	13.4	12.9	....	12.5
15	9.2	11.1	....	10.7	14.1	14.6	12.4	13.6	12.1	12.3	12.3	12.3
20	9.4	10.5	....	11.5	14.1	13.7	13.1	13.3	13.7	12.6	12.8	11.8
25	9.7	10.5	....	11.7	14.1	14.4	13.1	14.3	13.8	13.2	12.6	11.0
Eom	9.4	10.9	9.5	....	12.6	13.4	13.3	14.6	13.2	11.5	12.3	10.2

321520087373001. Local number Mag-2. State of Alabama. At Thomaston Prison. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 4 in (10 cm), depth 1,222 ft (372 m), cased to 20 ft (6 m), open hole 20-1,202 ft (6-366 m), screened 1,202-1,222 ft (366-372 m). Lsd 154 ft (47 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 7.83 ft (2.39 m) below lsd, Mar. 30, 1954; lowest 18.09 ft (5.51 m) below lsd, Oct. 21, 1972. Records available: 1954-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.7	17.7	17.7	17.6	17.7	17.8	17.9	18.0	18.0	18.0	18.0	18.0
10	17.7	17.7	17.7	17.7	17.8	17.7	17.9	18.0	17.9	18.0	18.0	18.0
15	17.8	17.6	17.7	17.6	17.8	17.7	18.0	17.9	17.9	18.0	18.0	17.9
20	17.7	17.6	17.6	17.7	17.8	17.8	18.0	17.9	18.0	18.0	17.9	18.0
25	17.7	17.7	17.7	17.7	17.8	17.8	18.0	18.0	18.1	18.0	18.0	18.0
Eom	17.7	17.7	17.5	17.8	17.8	17.8	18.0	18.1	17.9	18.1	17.9	18.0

Marion County

335803087551301. Local number Mar-1. M. M. Burleson. In Guin. Drilled unused artesian well in sandstone of Pottsville Formation of Early and Middle Pennsylvanian age, diam 6 in (15 cm), depth 520 ft (159 m), cased to 80 ft (24 m), open hole below. Lsd 452 ft (138 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 3.6 ft (1.1 m) below lsd, Mar. 31, 1972; lowest 11.76 ft (3.58 m) below lsd, Nov. 10, 1954. Records available: 1952-74.



335803087551301--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.9	5.4	5.1	....	....	....	....	....	....	....	6.11	6.29
10	5.7	5.3	5.3	....	....	....	....	....	....	....	6.17	6.24
15	5.6	5.2	5.3	....	....	....	....	....	....	....	5.99	6.08
20	5.3	5.2	5.3	....	....	....	....	....	....	6.20	6.10	6.11
25	5.4	5.3	5.5	....	....	....	....	5.88	....	6.20	6.29	6.16
Eom	5.2	5.2	5.2	....	....	....	....	....	....	6.24	6.19	5.83

Marshall County

342455086160201. Local number Mal-1. Kayo Oil Co. In Claysville. Drilled unused artesian well in Chickamauga Limestone of Middle and Late Ordovician age, diam 6 in (15 cm), depth 71 ft (22 m), cased to 29 ft (6 m), open hole below. Lsd 605 ft (184 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 3.5 ft (1.1 m) below lsd, Mar. 20, 1970; lowest 39.07 ft (11.91 m) below lsd, Nov. 22, 1961. Records available: 1961-74. Water levels affected by stage of Guntersville reservoir.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	5.4	6.5	5.7	6.4	....	7.9	7.3	7.3	8.5	8.6	6.2
10	4.9	....	6.8	6.2	6.4	....	7.1	7.2	7.5	8.9	7.3	6.1
15	....	....	6.9	5.6	6.0	....	7.7	6.1	7.5	9.2	6.8	6.4
20	....	5.2	6.8	6.3	....	....	8.1	6.6	7.8	7.3	6.6	6.5
25	....	5.5	6.6	6.6	....	....	8.0	7.2	8.2	7.8	6.2	5.2
Eom	5.2	6.1	6.2	7.2	....	....	7.4	7.2	7.4	8.3	6.6	4.2

342022086183401. Local number Mal-2. Boaz Spinning Mills. In Guntersville. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 130 ft (40 m), cased to 124 ft (38 m), open hole below. Lsd 610 ft (186 m) above msl. MP top of casing, 2.10 ft (0.64 m) above lsd. Highest water level 11.91 ft (3.63 m) below lsd, Mar. 18, 1973; lowest 19.6 ft (6.0 m) below lsd, Nov. 23, 1964. Records available: 1962-74. Water levels affected by pumping of nearby wells and stage of Guntersville reservoir.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	17.8	17.0	16.9	15.0	....	....	15.1	18.6	....	17.7	....	....
10	17.7	15.2	15.8	....	....	....	16.9	16.8	....	19.2	17.4	....
15	17.0	....	17.5	....	....	....	16.7	18.4	15.2	19.1	17.3	....
20	16.6	....	17.5	....	....	....	....	17.7	....	17.8	....	....
25	17.0	....	16.2	....	....	....	17.6	15.3	....	19.3	....	....
Eom	16.2	16.2	15.4	....	....	....	18.3	16.7	17.0	....	....	....

341837086294301. Local number Mal-4. City of Arab. In Arab. Drilled unused artesian well in sandstone of Pottsville Formation of Early and Middle Pennsylvanian age, diam 8 in (20 cm), depth 362 ft (110 m), cased to 100 ft (30 m), open hole below. Lsd 1,080 ft (329 m) above msl. MP top of casing, at lsd. Highest water level 50.11 ft (15.27 m) below lsd, Feb. 12, 1966; lowest 76.6 ft (23.4 m) below lsd, Nov. 27, 1963. Records available: 1955-1962-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	55.5	54.9	54.6	54.5	....	54.0	54.6	53.8	54.2	53.9	52.3
10	56.4	55.4	55.0	54.5	54.4	....	53.7	54.8	53.8	54.4	53.6	52.2
15	56.1	55.5	55.1	54.0	53.8	....	54.2	54.0	53.5	54.6	53.6	52.7
20	55.8	55.0	55.0	54.1	....	....	54.7	54.0	53.6	54.0	53.0	52.9
25	55.9	55.2	55.0	54.3	....	....	55.2	54.4	53.8	53.9	53.0	53.6
Eom	55.4	55.0	54.6	54.5	....	....	54.5	54.3	53.9	54.0	52.8	52.1

Mobile County

305743088010301. Local number Mob-1. Courtaulds, Inc. In Salco. Drilled unused water-table well in sand and gravel of Pliocene(?) and Miocene age, diam 12 in (30 cm), depth 123 ft (37 m), cased to 105 ft (32 m), screened 105-123 ft (32-37 m). Lsd 43.1 ft (13.1 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 38.43 ft (11.71 m) below lsd, Nov. 18, 1961; lowest 55.52 ft (16.92 m) below lsd, Aug. 15, 1969. Records available: 1954-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	49.2	49.2	49.1	49.2	49.9	49.8	50.1	50.4	50.8	51.1	51.3	51.4
10	49.2	49.2	49.1	49.4	49.9	49.8	50.1	50.6	50.9	51.0	51.4	51.4
15	49.3	49.1	49.2	49.6	49.9	49.8	50.1	50.5	51.0	51.1	51.4	51.4
20	49.3	49.1	49.5	49.6	49.9	49.9	50.1	50.6	51.0	51.1	51.4	51.4
25	49.2	49.1	50.2	49.8	49.9	50.0	50.2	50.7	51.0	51.2	51.4	51.3
Eom	49.2	49.1	49.5	49.9	49.8	50.1	50.3	50.8	51.0	51.3	51.4	51.3

Monroe County

313120087202501. Local number Mon-3. Monroeville American Legion Club. Drilled unused artesian well in sand and gravel of Miocene and Pliocene age and limestone of Eocene and Oligocene age, diam 6 in (15 cm), depth 128 ft (39 m), cased to 88 ft (27 m), open hole below. Lsd 408 ft (124 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 51.14 ft (15.59 m) below lsd, May 9, 1961; lowest 65.54 ft (19.98 m) below lsd, Mar. 7, 15, 1956. Records available: 1953-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	58.6	58.5	57.7	57.7	54.6	55.8	55.1	55.9	56.7	55.2	56.0	56.9
10	58.7	58.3	57.7	57.6	54.5	....	55.2	56.0	54.8	55.4	56.2	57.1
15	58.8	58.1	57.7	56.4	55.8	....	55.3	56.2	54.4	55.4	56.4	57.2
20	58.8	58.0	57.7	54.7	55.7	54.8	55.4	56.3	54.8	55.6	56.5	57.4
25	58.9	57.9	57.7	54.8	55.7	54.9	55.6	56.4	55.0	55.8	56.7	57.5
Eom	58.8	57.8	57.6	54.8	55.8	55.0	55.7	56.6	55.1	55.9	56.8	57.6

Montgomery County

322121086232701. Local number Mtg-2. City of Montgomery. In city west well field. Drilled unused artesian well in sands of Eutaw Formation and Tuscaloosa Group of Late Cretaceous age, diam 18 in (46 cm), depth 670 ft (204 m), cased to 208 ft (63 m), screened 208-218 ft (63-66 m), 232-242 ft (71-74 m), 330-359 ft (101-107 m), 376-386 ft (115-118 m), 403-418 ft (123-127 m), 605-620 ft (184-189 m), 650-670 ft (198-204 m). Lsd 161.5 ft (49.2 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 52.0 ft (15.9 m) below lsd, Mar. 18, 1968; lowest 128.1 ft (39.0 m) below lsd, Oct. 2, 3, 1955. Records available: 1951-74. Water levels affected by pumping of nearby wells

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	79.7	76.7	75.0	76.8	80.2	83.2	91.7	89.2	89.4	90.5	89.5	79.4
10	78.2	76.1	75.8	76.0	81.5	....	90.0	87.8	89.2	94.6	88.2	74.6
15	78.7	77.2	76.5	75.8	80.2	....	89.8	85.7	89.3	94.7	87.3	74.2
20	78.8	76.4	77.5	75.1	82.0	84.0	86.3	86.4	89.8	92.6	85.5	73.2
25	78.0	76.3	77.2	75.7	82.1	86.0	85.6	88.9	89.7	93.3	85.6	77.0
Eom	77.1	75.4	75.9	77.7	84.0	89.8	86.7	91.8	90.7	91.0	84.8	75.5

322047086214301. Local number Mtg-3. County of Montgomery. At Lomax School. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 6 in (15 cm), depth 270 ft (82 m), cased to 210 ft (64 m), screened 210-215 ft (64-66 m), 220-225 ft (67-69 m), 265-270 ft (81-82 m). Lsd 167.2 ft (51.0 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.9 ft (3.6 m) below lsd, Mar. 17, 1968; lowest 31.3 ft (9.5 m) below lsd, Oct. 1, 1955. Records available: 1952-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	17.6	19.3	20.3	22.5	22.2	21.9	....	21.4	19.8
10	....	....	....	17.2	19.2	20.4	22.1	21.8	21.7	....	21.5	19.6
15	....	....	....	17.3	19.3	20.8	22.2	21.4	21.8	....	21.4	19.6
20	19.3	....	....	17.8	19.6	20.9	21.6	21.6	....	....	21.3	19.4
25	....	....	....	17.8	19.7	21.4	21.3	22.2	....	....	21.4	19.0
Eom	....	....	18.2	18.5	20.3	22.2	21.6	22.9	....	21.9	21.0	18.4

322040086232501. Local number Mtg-4. City of Montgomery. In city west well field. Drilled unused artesian well in sand of Gordo Formation of Late Cretaceous age, diam 6 in (15 cm), depth 446 ft (136 m), cased to 408 ft (124 m), screened 408-413 ft (124-126 m), 424-429 ft (129-131 m), 441-446 ft (134-136 m). Lsd 152.8 ft (46.6 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 41.9 ft (12.8 m) below lsd, Feb. 5, 1968; lowest 135.1 ft (41.2 m) below lsd, Oct. 2, 3, 1955. Records available: 1953-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	79.4	77.3	78.6	....	81.8	....	87.6	....	93.5	....	80.0
10	....	78.8	78.3	76.9	....	79.2	....	87.4	....	98.3	91.2	67.9
15	....	80.3	79.5	....	....	83.0	....	84.6	....	99.2	92.7	65.4
20	....	78.9	79.2	....	....	....	87.6	85.0	....	97.6	87.9	63.4
25	80.1	78.0	77.9	....	79.5	....	87.4	....	93.9	96.8	86.8	62.6
Eom	78.8	76.3	79.0	....	82.8	....	87.3	....	95.0	95.4	87.8	62.6

322455086140501. Local number Mtg-5. U.S. Air Force. At Gunter Air Force Base. Drilled unused artesian well in sand of Gordo Formation of Late Cretaceous age, diam 8 in (20 cm), depth 232 ft (71 m), cased to 215 ft (66 m), screened 215-232 ft (66-71 m). Lsd 220.8 ft (67.3 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 82.78 ft (25.23 m) below lsd, Mar. 29, 1972; lowest 116.97 ft (35.65 m) below lsd, Sept. 16, 24, 1963. Records available: 1958-74.

322455086140501--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	85.7	84.9	84.2	84.0	84.1	84.5	85.0	85.4	85.9	86.3	86.7	86.8
10	85.6	84.8	84.2	84.0	84.2	84.5	85.1	85.5	86.0	86.4	86.7	86.8
15	85.5	84.6	84.2	84.0	84.2	84.5	85.2	85.6	86.2	86.4	86.8	86.6
20	85.3	84.5	84.0	84.2	84.3	84.7	85.3	85.7	86.2	86.5	86.7	86.5
25	85.2	84.5	84.1	84.2	84.3	84.8	85.3	85.6	86.3	86.6	86.8	86.3
Eom	85.0	84.2	83.9	84.2	84.4	85.0	85.4	85.8	86.2	86.7	86.8	86.4

Morgan County

343604086574201. Local number Mor-3. City of Decatur. At filter plant. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 295 ft (90 m), cased to 23 ft (7 m), open hole below. Lsd 570 ft (174 m) above ms1. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 7.30 ft (2.23 m) below lsd, Mar. 20, 1973; lowest 17.25 ft (5.25 m) below lsd, Sept. 17, 1961. Records available: 1961-74. Water levels affected by stage of Wheeler reservoir.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.8	11.0	15.3	13.2	11.4	11.0	11.2	12.1	13.1	14.1	14.7	15.2
10	...	11.9	15.7	11.4	11.1	10.8	11.5	12.1	13.3	14.2	15.0	...
15	10.1	13.1	16.0	12.0	11.1	11.2	12.1	11.9	13.3	14.3	15.3	...
20	12.1	12.2	15.6	12.1	11.1	11.1	12.2	12.8	13.6	14.5	15.0	...
25	12.3	12.6	12.9	11.5	11.4	11.3	11.5	13.0	13.8	14.7	15.5	...
Eom	10.8	13.7	13.4	11.5	10.9	11.8	11.8	12.6	13.7	14.8	15.7	...

343425086550001. Local number Mor-4. U.S. Fish and Wildlife Service. In Wheeler Wildlife Refuge. Drilled unused artesian well in Fort Payne Chert and Tusculmbia Limestone of Early and Late Mississippian age, diam 8 in (20 cm), depth 301 ft (92 m), cased to 148 ft (45 m), open hole below. Lsd 624 ft (190 m) above ms1. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 60.20 ft (18.35 m) below lsd, Mar. 20, 1973; lowest 72.88 ft (22.21 m) below lsd, Sept. 24, 25, 1961. Records available: 1961-74. Water levels affected by stage of Wheeler reservoir.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	62.4	65.8	65.9	64.8	....	66.0	68.2	69.4	69.7	71.4	....
10	....	63.3	66.3	64.6	64.9	63.9	66.7	67.9	69.7	69.9	71.9	69.7
15	61.3	64.2	66.7	63.6	64.2	64.6	67.6	....	69.9	70.2	71.9	70.3
20	62.2	63.2	66.9	64.5	....	63.9	67.9	....	70.0	70.3	71.7	70.8
25	62.6	63.5	66.1	64.6	....	65.4	67.6	69.5	69.4	70.6	70.1	69.3
Eom	62.1	64.7	65.4	64.9	....	66.2	67.7	69.4	69.4	71.5	70.8	64.7

Pickens County

332136088010701. Local number Pic-5. Southern Natural Gas. At Reform. Drilled unused artesian well in sand of Coker Formation of Late Cretaceous age, diam 18 in (46 cm), depth 235 ft (72 m), cased to 185 ft (56 m), screened 185-235 ft (56-72 m). Lsd 250 ft (76 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 21.95 ft (6.69 m) below lsd, July 18, 1963; lowest 43.9 ft (13.4 m) below lsd, Oct. 10, 1971. Records available: 1963-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	29.8	30.0	29.6	29.3	31.0	29.4	29.7	39.1	29.9	33.0	30.6	30.4
10	29.7	29.5	31.3	29.2	29.3	29.3	29.7	29.9	29.7	30.2	41.2	30.3
15	29.7	29.6	29.5	38.7	29.4	29.3	30.6	30.0	29.8	30.5	30.5	38.4
20	38.6	29.6	29.5	29.5	37.9	29.4	29.9	30.0	29.9	38.7	30.5	30.2
25	29.6	29.6	30.5	29.4	29.3	29.4	29.9	34.4	30.0	30.4	40.4	30.2
Eom	29.5	29.5	37.9	29.5	29.3	30.2	30.1	30.1	30.3	30.5	30.4	30.6

St. Clair County

333525086163701. Local number Stc-1. Avondale Mills. In Pell City. Drilled unused artesian well in Maury Formation, Fort Payne Chert, and Floyd Shale of Early and Late Mississippian age, diam 10 in (25 cm), depth 209 ft (64 m), casing depth unknown, open hole below. Lsd 548 ft (167 m) above ms1. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 1.05 ft (0.32 m) above lsd, Jan. 10, 11, 1968; lowest 9.2 ft (2.8 m) below lsd, Nov. 20, 1965. Records available: 1962-74.

333525086163701--Continued.

Lowest water level for the day, above and below lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.0	-1.3	-2.1	-0.3	-3.3	....	....	-7.4	-1.8	-5.8	-7.4	-3.5
10	+1.1	.4	2.8	-1.3	3.9	....	....	5.7	2.8	6.3	7.2	1.3
15	-1.2	1.2	3.3	0	3.9	....	....	4.8	3.3	6.7	5.8	2.6
20	1.2	.2	3.6	-1.5	3.2	....	....	5.8	4.4	6.5	5.9	-2.1
25	.7	.7	2.2	1.7	1.4	....	-7.0	6.5	5.4	6.9	4.6	+6
Eom	.3	1.3	1.3	2.5	....	....	7.1	6.4	4.8	7.2	5.2	+3

Talladega County

331021086150501. Local number Tal-2. City of Sylacauga. Drilled unused artesian well in marble, diam 6 in (15 cm), depth 202 ft (62 m), cased to 69 ft (21 m), open hole below. Lsd 546.4 ft (166.5 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 11.1 ft (3.4 m) below lsd, Mar. 30, 1959; lowest 49.75 ft (15.16 m) below lsd, Dec. 20, 1962. Records available: 1954-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.3	24.2	22.7	23.4	26.6	29.6	37.3	36.2	35.4	44.0	46.8	46.1
10	23.2	23.7	24.1	24.1	27.5	30.5	29.9	32.7	37.7	44.8	47.2	45.6
15	24.1	24.8	25.3	22.0	27.9	31.3	33.0	33.8	39.3	45.2	47.2	48.2
20	25.3	20.7	26.3	23.2	29.0	32.6	34.9	35.0	41.0	45.3	47.6	48.4
25	26.0	20.6	25.9	23.8	28.5	33.7	35.5	43.8	42.4	45.9	42.4	41.4
Eom	23.0	21.4	27.0	25.3	29.2	35.2	36.3	41.0	42.8	46.5	47.2	31.8

Tuscaloosa County

331239087323601. Local number Tus-1. University of Alabama. At University. Drilled unused water-table well in sand and gravel of Coker Formation of Late Cretaceous age, diam 4 in (10 cm), depth 61 ft (19 m), cased to 55 ft (17 m), screened 55-61 ft (17-19 m). Lsd 230.1 ft (70.1 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 22.6 ft (6.9 m) below lsd, several times, March, April, May, 1974; lowest 27.86 ft (8.49 m) below lsd, Jan. 10, 11, 13, 1955. Records available: 1952-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	24.6	23.4	22.6	23.0	22.6	22.9	23.3	23.7	24.4	24.5	24.9	25.3
10	24.5	23.3	22.6	23.1	22.7	23.0	23.4	23.9	24.4	24.6	25.0	25.3
15	24.2	23.1	22.7	23.0	22.9	23.0	23.5	24.0	24.3	24.6	25.1	25.4
20	24.0	23.0	22.8	22.7	22.9	23.1	23.5	24.1	24.4	24.7	25.1	25.4
25	23.8	22.8	22.9	22.6	23.0	23.1	23.6	24.2	24.4	24.8	25.2	25.5
Eom	23.6	22.7	22.9	22.6	22.9	23.2	23.7	24.3	24.5	24.8	25.2	....

331045087342501. Local number Tus-4. City of Tuscaloosa. In city well field. Drilled unused artesian well in sand of Coker Formation of Late Cretaceous age, diam 6 in (15 cm), depth 83 ft (25 m), cased to 77 ft (23 m), screened 77-83 ft (23-25 m). Lsd 160 ft (49 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 19.19 ft (5.85 m) below lsd, Mar. 20, 1963; lowest 35.9 ft (10.9 m) below lsd, Dec. 5, 1969. Records available: 1962-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	19.7	19.9	19.7	19.5	20.3	20.7	20.5	20.7	21.0	21.1
10	....	....	19.8	20.0	19.9	19.7	20.3	20.5	20.1	20.7	21.0	21.0
15	....	....	19.9	19.3	19.8	19.8	20.3	20.6	20.1	20.8	21.1	20.8
20	....	....	19.9	19.2	19.9	20.0	20.4	20.7	20.3	20.8	20.9	20.8
25	....	19.6	19.8	19.4	19.7	20.0	20.5	20.8	20.5	20.9	20.9	20.5
Eom	....	19.5	19.8	19.6	19.6	20.2	20.6	20.8	20.6	21.0	21.0	20.0

331340087381601. Local number Tus-5. Bryce Hospital. Near Coker. Drilled unused artesian well in sand of Coker Formation of Late Cretaceous age, diam 6 in (15 cm), depth 109 ft (33 m), cased to 103 ft (31 m), screened 103-109 ft (31-33 m). Lsd 157 ft (48 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 19.88 ft (6.06 m) below lsd, Jan. 14, 1968; lowest, tape measurement, 34.4 ft (10.5 m) below lsd, Sept. 15, 1965. Records available: 1964-74. Water levels affected by pumping of nearby wells.

331340087381601--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.2	20.8	20.8	21.7	21.3	21.7	....	22.9	23.0	23.0	23.4	....
10	21.8	20.7	21.0	21.6	21.5	21.8	22.5	22.9	22.9	23.1	23.4	....
15	21.5	20.6	21.3	20.6	21.7	21.7	22.6	23.1	23.7	23.1	23.5	....
20	21.1	20.6	21.2	20.7	21.8	22.0	22.7	23.2	....	23.2	23.5	....
25	21.1	20.9	21.4	21.0	21.6	....	22.8	23.3	....	23.3	....	....
Eom	20.5	20.6	21.3	21.1	21.5	....	22.9	23.3	22.8	23.3	....	....

Wilcox County

315513087264501. Local number Wil-2. Mrs. J. R. Harvey. Drilled unused water-table well in sand and gravel of alluvial deposits of Quaternary age, diam 16 in (41 cm), depth 55 ft (17 m), cased to 39 ft (12 m), screened 39-55 ft (12-17 m). Lsd 55 ft (17 m) above msl. MF top of recorder platform, 1.45 ft (0.44 m) above lsd. Highest water level 4.46 ft (1.36 m) below lsd, Mar. 10, 1971; lowest 31.56 ft (9.62 m) below lsd, Dec. 3, 4, 1970. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	24.2	24.4	24.9	26.2	27.8	29.0	29.7	30.1	29.8	30.4	30.4
10	....	23.8	25.3	23.0	26.7	27.8	29.1	29.7	28.9	30.0	30.5	30.4
15	25.1	24.1	25.9	22.6	27.1	28.0	29.2	29.8	29.3	30.1	30.4	30.4
20	25.8	23.2	26.5	23.0	27.3	28.3	29.3	29.9	29.7	30.2	30.6	30.3
25	25.0	23.6	26.7	24.8	27.4	28.6	29.5	30.0	29.9	30.3	30.5	29.7
Eom	24.3	22.9	26.5	25.7	27.6	28.8	29.6	30.1	29.3	30.4	30.6	27.2

## FLORIDA

The observation-well program in Florida, begun in 1930, was continued during 1974 in cooperation with the Florida Bureau of Geology, the Central and Southern Florida Flood Control District, the Southern Florida Flood Control District, the Southwest Florida Water Management District, and the counties of Broward, Collier, Dade, Escambia, Hillsborough, Orange, Palm Beach, Polk, Volusia, Walton, and the cities of Boca Raton, Cocoa, Ft. Lauderdale, Miami, Miami Beach, Naples, Pompano Beach, Sarasota, and St. Petersburg. Other cooperators include Collier County Water Management Districts Nos. 1 and 7, the Department of the Navy, U.S. Corps of Engineers, Environmental Protection Agency, Reedy Creek Drainage District, West Coast Inland Navigation District, and the National Park Service. Figure 3 shows the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

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.

Local well numbers may also be shown as a series of numbers, for example, in Alachua County, the local well number is 936-236-1. The first 3 digits of the series represent degrees and minutes of latitude with the first digit of degrees of latitude omitted. The second 3 digits represent degrees and minutes of longitude with the first digit of degrees of longitude omitted. The last digit refers to the numerical order in which the well was inventoried.

### Well Descriptions and Water-Level Measurements

Water levels are reported 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. Measurements between plus signs are above the plane of reference and those between minus signs are below the plane of reference.

#### Alachua County

293620082362001. Local number 936-236-1. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 8 in (20 cm), depth 252 ft (77 m), cased to 136 ft (41 m). Lsd 72.27 ft (22.03 m) above msl. MP top of coupling, 4.00 ft (1.22 m) above lsd. Highest water level 17.64 ft (5.38 m) below lsd, Oct. 7, 1965; lowest 33.56 ft (10.23 m) below lsd, Jan. 14, 1964. Records available: 1958-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	29.23	29.87	30.42	30.95	e31.41	31.85	e32.15	e32.14	e31.34	e30.70	30.21	30.48
10	29.34	e29.97	30.49	e31.03	31.48	31.91	32.20	e32.10	31.20	e30.60	30.20	30.56
15	29.44	e30.07	30.59	e31.10	31.55	e31.97	32.20	e32.10	e31.10	e30.50	30.24	30.63
20	29.58	e30.16	30.67	e31.18	31.62	e32.01	32.20	e31.92	e31.00	e30.40	30.27	30.70
25	29.64	e30.26	30.76	e31.25	31.70	e32.06	32.18	e31.75	e30.90	e30.30	30.34	30.78
Eom	29.75	e30.31	30.87	e31.33	31.78	e32.12	32.15	e31.50	e30.80	30.22	30.40	30.86

e Estimated.

#### Baker County

301535082162001. Local number 015-216-200. U.S. Geol. Survey. Sanderson. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 825 ft (251 m), cased to 282 ft (86 m). Lsd 157.68 ft (48.06 m) above msl. MP top of coupling, 2.30 ft (0.70 m) above lsd. Highest water level 93.63 ft (28.54 m) below lsd, Mar. 1, 1965; lowest 103.29 ft (31.48 m) below lsd, Nov. 27, 1972. Records available: 1963-74. Jan. 22, 1974, 101.29; Mar. 20, 101.86; May 2, 102.13; July 24, 102.72; Sept. 23, 101.37; Nov. 22, 102.56.

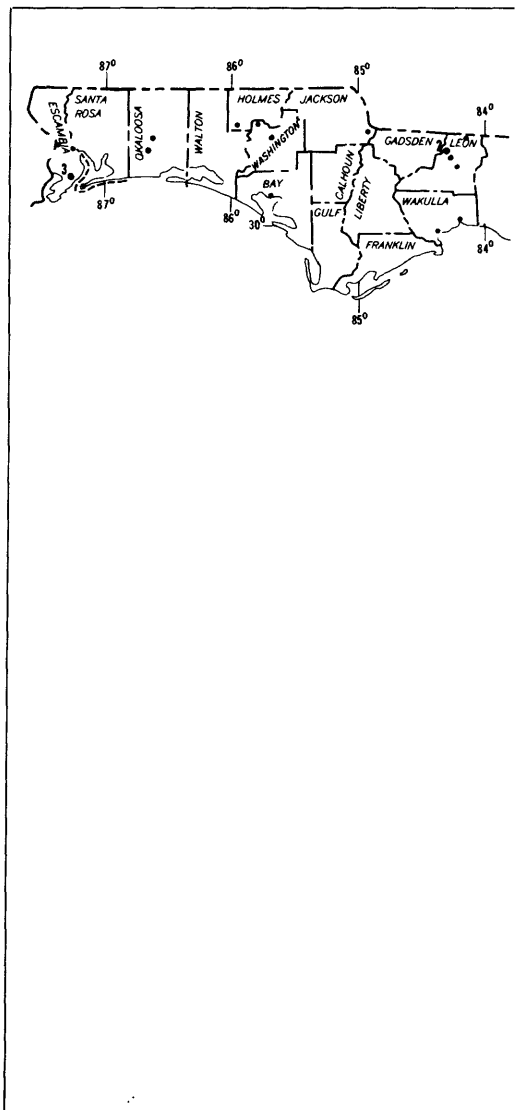
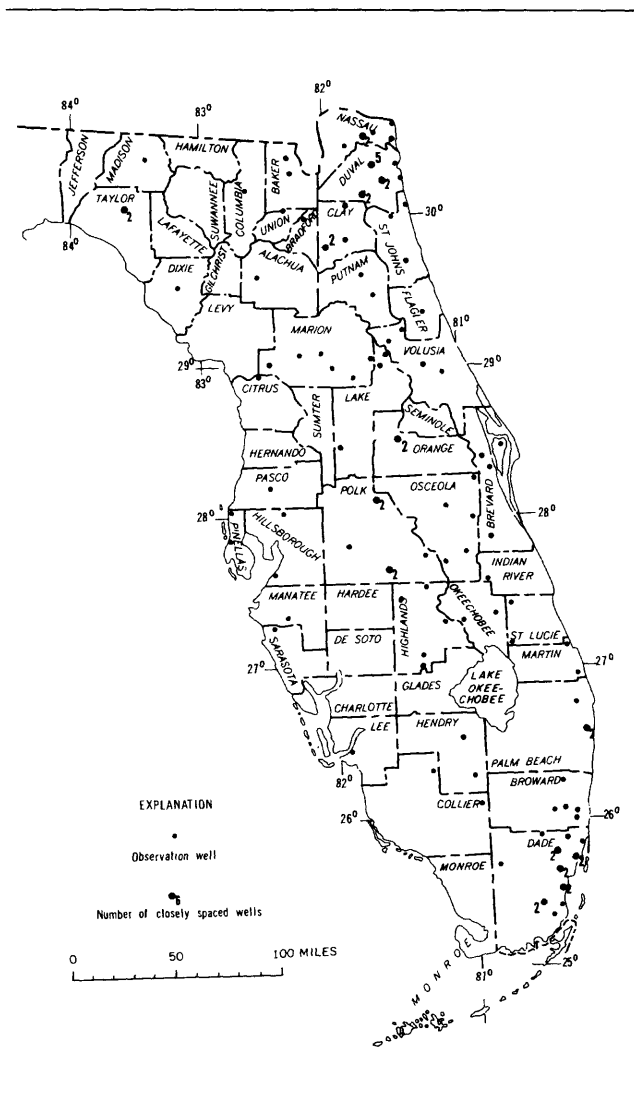


Figure 3.--Location of observation





302620082173001. Local number 026-217-300. U.S. Geol. Survey. Taylor. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 905 ft (276 m), cased to 417 ft (127 m). Lsd 116.30 ft (35.45 m) above msl. MP top of coupling, 2.00 ft (0.61 m) above lsd. Highest water level 54.43 ft (16.59 m) below lsd, Mar. 1, 1965; lowest 65.14 ft (19.85 m) below lsd, Sept. 13, 1971. Records available: 1963-74. Jan. 22, 1974, 62.74; Mar. 20, 63.13; May 2, 63.36; July 24, 64.18; Sept. 23, 64.63; Nov. 22, 63.93.

#### Bay County

301006085413501. Local number 7. Panama City. Drilled unused artesian well in Floridan aquifer, diam 3 in (7.6 cm), depth 253 ft (77 m), casing information not available. Lsd 26.33 ft (8.03 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 23.52 ft (7.17 m) below lsd, Jan. 16, 1970; lowest 78.36 ft (23.88 m) below lsd, June 18, 1963. Records available: 1936, 1943, 1946-74. Jan. 10, 1974, 24.84; May 4, 26.87.

#### Bradford County

300020082103001. Local number 000-210-2. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 4 in (10 cm), depth 294 ft (90 m), cased to 247 ft (75 m). Lsd 137.52 ft (41.92 m) above msl. MP top of 4-in (10-cm) plug, 2.13 ft (0.65 m) above lsd. Highest water level 69.17 ft (21.08 m) below lsd, Nov. 2, 1960; lowest 77.33 ft (23.57 m) below lsd, July 10, 1974. Records available: 1959-74. Jan. 4, 1974, 75.80; Mar. 5, 76.33; May 7, 77.02; July 10, 77.33; Sept. 6, 76.64; Oct. 29, 76.78.

#### Brevard County

282245080471601. Local number 822-047-2. U.S. Geol. Survey. Cocoa. Drilled observation artesian well in Floridan aquifer, diam 4 in (10 cm), depth 129 ft (39 m), cased to 114 ft (35 m). Lsd 24.78 ft (7.55 m) above msl. MP top of recorder-shelter floor, 12.5 ft (3.8 m) above lsd. Highest water level 9.40 ft (2.87 m) above lsd, Sept. 12, 1960; lowest 0.70 ft (0.21 m) below lsd, May 8, 1974. Records available: 1955-74. Water levels affected by regional pumping.

Highest water level for the day, above and below lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+4.28	+2.20	+1.38	+0.44	-0.59	-0.08	+2.30	+3.64	+3.85	+3.89	+3.23	+2.28
10	....	1.98	1.03	.31	.62	+0.6	2.67	3.70	3.92	4.24	3.03	2.16
15	....	1.73	.76	.35	.65	....	2.89	3.79	4.00	4.17	2.78	2.25
20	....	1.74	.57	.24	....	....	2.88	3.93	3.93	4.08	2.66	2.34
25	....	1.55	.50	+1.9	.31	....	3.06	3.94	4.05	3.85	2.51	2.42
Eom	2.44	1.40	.46	-.38	.10	1.93	3.40	3.83	3.91	3.45	2.46	2.45

282204080514302. Local number 822-051-2. U.S. Geol. Survey. East of St. Johns River. Drilled observation artesian well in Floridan aquifer, diam 2 in (5.1 cm), depth 553 ft (169 m), cased to 530 ft (162 m), previously reported 138 ft (42 m). Lsd 16.58 ft (5.05 m) above msl. MP top of 6-in (15-cm) coupling, 1.50 ft (0.46 m) above lsd. Highest water level 21.2 ft (6.5 m) above lsd, Mar. 9, 1965; lowest 13.9 ft (4.2 m) above lsd, May 22, 1974. Records available: 1955, 1965, 1967-74. May 22, 1974, +13.9; Sept. 10, +18.1.

275956080434701. Local number 20. Marion Platt. Drilled irrigation artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 447 ft (136 m), cased to 125 ft (38 m). Lsd 22.09 ft (6.73 m) above msl. MP top of 4-in (10-cm) tee, 1.00 ft (0.30 m) above lsd. Highest water level 30.9 ft (9.4 m) above lsd, Aug. 14, 1934; lowest 14.6 ft (4.5 m) above lsd, May 22, 1974. Records available: 1934, 1942, 1946-74. Jan. 7, 1974, +19.6; Mar. 8, +16.7; May 22, +14.6; July 7, +18.4; Sept. 10, +18.3; Nov. 4, +16.9.

283404080394501. Local number 159. H. R. Jacobsen. Drilled irrigation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 210 ft (64 m), cased to 144 ft (44 m). Lsd 3.77 ft (1.15 m) above msl. MP top of 6-in (15-cm) tee, 1.70 ft (0.52 m) above lsd. Highest water level 17.2 ft (5.2 m) above lsd, Dec. 14, 1946; lowest 7.6 ft (2.3 m) above lsd, May 12, 1968. Records available: 1946-47, 1949-74. May 7, 1974, +8.0; Sept. 10, +10.1.

#### Broward County

260010080085001. Local number F291. City of Hollywood. South 20th Ave. and Dewey St. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 107 ft (33 m), casing information not available. Highest water level 7.26 ft (2.21 m) above msl, Oct. 5, 1948; lowest 0.16 ft (0.05 m) above msl, July 2, 1952. Records available: 1939-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+1.13	+1.14	+0.69	+0.60	+0.54	+1.41	+2.19	+1.55	+1.34	+2.50	+1.66	+1.51
10	1.09	.65	.59	.71	.81	1.86	1.61	1.25	3.23	1.52	1.36	1.36
15	1.94	.97	.82	.54	.75	2.45	1.65	1.48	1.32	2.76	1.48	1.40
20	1.94	.91	.82	.68	.85	2.37	1.49	2.15	1.36	2.33	1.37	1.44
25	1.61	.82	.80	.67	.91	2.15	1.30	1.97	1.92	1.97	1.26	1.40
Eom	1.30	.76	.64	.58	1.02	2.25	1.52	1.44	1.77	1.83	1.55	1.20

260545080082001. Local number G561. U.S. Geol. Survey. Southeast Fourth Ave., and 20th St., Fort Lauderdale. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 20 ft (6 m), cased to 20 ft (6 m). Lsd 8.15 ft (2.48 m) above msl. MP top of casing, 1.70 ft (0.52 m) above lsd. Highest water level 7.40 ft (2.26 m) above msl, Oct. 5, 1948; lowest 0.05 ft (0.02 m) above msl, July 2, 1952. Records available: 1948-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.98	+1.05	+0.69	+0.55	+0.57	+1.64	+2.33	+1.53	+1.40	+2.46	+1.77	+1.88
10	.99	1.07	.65	.52	.88	1.40	1.84	1.45	1.34	3.50	1.60	1.60
15	3.06	1.02	.90	.51	.98	1.83	1.57	1.32	1.45	2.88	1.74	2.17
20	2.18	.99	.71	.54	.80	2.20	1.39	1.81	1.48	2.46	1.54	1.77
25	1.68	.88	.63	.50	.88	1.89	1.36	1.87	1.69	2.19	1.38	1.49
Eom	1.27	.77	.59	.46	1.47	1.82	1.75	1.51	2.66	1.99	2.26	1.21

261710080135001. Local number G616. U.S. Geol. Survey. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in (15 cm), depth 25 ft (8 m), cased to 19 ft (6 m), gravel-packed 14-25 ft (4-8 m). Lsd 12.84 ft (3.91 m) above msl. MP top of casing, 4.70 ft (1.43 m) above lsd. Highest water level 14.05 ft (4.28 m) above msl, June 20, 1959; lowest 7.17 ft (2.19 m) above msl, May 4, 1974. Records available: 1952-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+9.80	+9.65	+9.14	+8.39	+7.46	+8.35	+8.98	+11.00	+9.32	+9.69	+9.30	+9.92
10	9.80	9.60	....	8.85	9.59	8.47	9.19	9.75	9.38	12.02	9.05	....
15	13.15	9.48	....	7.98	9.83	8.76	8.85	9.44	9.77	10.55	8.98	10.57
20	10.73	9.34	....	7.67	9.17	9.61	8.47	9.34	9.26	11.54	10.64	9.86
25	10.05	9.00	....	7.45	8.64	8.97	8.50	9.88	9.19	10.17	9.90	9.40
Eom	10.00	8.88	8.39	7.30	8.16	8.62	9.97	9.40	9.82	9.74	10.27	8.97

260515080202101. Local number G617. U.S. Geol. Survey. Drilled observation water-table well in sandstone of Biscayne aquifer, diam 6 in (15 cm), depth 29 ft (9 m), cased to 28 ft (9 m). Lsd 6.00 ft (1.83 m) above msl. MP top of casing, 3.53 ft (1.08 m) above lsd. Highest water level 6.89 ft (2.10 m) above msl, June 20, 1959; lowest 2.47 ft (0.75 m) above msl, June 7, 1962. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+3.55	+3.39	+3.04	+3.03	+2.59	+4.59	....	....	+4.17	+4.54	+3.41	+4.00
10	3.53	3.30	3.11	2.91	2.97	4.23	....	....	4.27	5.35	3.29	3.90
15	3.95	3.29	4.67	2.87	3.15	5.24	....	....	4.55	4.27	3.38	3.94
20	e3.73	3.23	3.78	2.87	3.14	4.83	....	....	3.87	4.31	3.38	3.91
25	e3.78	3.16	3.46	2.87	3.15	4.24	....	....	4.65	3.77	4.70	3.62
Eom	3.44	3.15	3.22	2.71	3.66	3.77	....	+3.79	4.65	3.55	4.41	3.54

e Estimated.

260655080122301. Local number S329. City of Fort Lauderdale. Drilled test water-table well in limestone of Biscayne aquifer, diam 4 in (10 cm), depth 68 ft (21 m), casing information not available. Lsd 9.22 ft (2.81 m) above msl. MP top of casing, 3.16 ft (0.96 m) above lsd. Highest water level 10.76 ft (3.28 m) above msl, Oct. 17, 1947; lowest 1.43 ft (0.44 m) below msl, May 4, 1974. Records available: 1940-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+1.40	+0.80	....	-0.74	-0.96	+1.07	....	+2.34	+1.08	+2.73	+1.60	+1.91
10	1.02	.93	....	.82	.87	1.19	....	1.73	1.39	3.57	1.61	1.61
15	2.22	.25	....	.42	.27	2.48	....	1.63	1.28	3.74	1.46	2.07
20	2.15	.06	....	.61	.16	2.96	....	1.66	.95	2.46	1.37	1.96
25	1.72	.29	-0.36	.61	-.29	2.60	+0.47	1.64	1.23	2.10	1.45	1.89
Eom	1.28	+.40	.18	1.16	+.26	2.13	1.86	1.24	2.28	1.95	2.07	1.53

#### Citrus County

290214082284301. Local number 15. Charles Rush. Drilled domestic artesian well in Floridan aquifer, diam 3 in (7.6 cm), depth 78 ft (24 m), casing information not available. Lsd 44.28 ft (13.50 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 6.12 ft (1.87 m) below lsd, Sept. 3, Oct. 19, 1959; lowest 20.23 ft (6.17 m) below lsd, Aug. 9, 1962. Records available: 1933, 1935-74. Jan. 15, 1974, 14.60; Mar. 18, 16.46; May 14, 15.86; July 16, 15.52; Sept. 17, 12.49; Nov. 11, 13.00.

#### Clay County

300649081485901. Local number 5. John Huntley. Drilled domestic artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 530 ft (162 m), cased to 157 ft (48 m). Lsd 24.02 ft (7.32 m) above msl. MP top flange of 4-in (10-cm) valve, 2.50 ft (0.76 m) above lsd. Highest water level 36.9 ft (11.3 m) above lsd, Apr. 26, 1944; lowest 18.1 ft (5.5 m) above lsd, Sept. 6, 1974. Records available: 1940-41, 1944-74. May 7, 1974, +18.6; Sept. 6, +18.1.

294807082020901. Local number 948-202-6. U.S. Geol. Survey. Drilled test water-table well in Hawthorn Formation of Miocene age, diam 2 in (5.1 cm), depth 144 ft (44 m), cased to 80 ft (24 m). Lsd 145.16 ft (44.24 m) above msl. MP top of casing, 1.58 ft (0.48 m) above lsd. Highest water level 144.02 ft (13.42 m) below lsd, Oct. 17, 1960; lowest 53.16 ft (16.20 m) below lsd, June 30, 1969. Records available: 1960-74. Jan. 4, 1974, 47.19; Mar. 5, 48.05; May 7, 49.19; July 10, 49.82; Sept. 6, 49.34; Oct. 29, 49.14.

294807082020903. Local number 948-202-8. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 6 in (15 cm), depth 250 ft (76 m), cased to 193 ft (59 m). Lsd 145.16 ft (44.24 m) above msl. MP top of coupling, 2.00 ft (0.61 m) above lsd. Highest water level 53.66 ft (16.36 m) below lsd, Oct. 31, 1960; lowest 61.52 ft (18.75 m) below lsd, July 19, 20, 1969. Records available: 1960-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	57.16	57.65	57.95	58.40	59.00	59.45	59.27	59.12	58.81	e58.47	58.99	59.64
10	57.25	57.70	58.14	58.52	59.08	59.47	59.15	59.10	58.70	e58.57	59.03	e59.56
15	57.30	57.52	58.20	58.55	59.14	59.44	59.15	59.10	58.60	e58.67	59.21	e59.48
20	57.29	57.65	58.25	58.73	59.13	59.57	59.25	58.98	e58.51	e58.79	59.28	e59.58
25	57.46	57.85	58.26	58.78	59.24	59.40	59.16	58.90	e58.43	e58.89	59.33	e59.68
Eom	57.49	58.00	58.30	59.00	59.39	59.45	59.07	58.93	e58.37	58.99	59.37	59.76

e Estimated.

295207081474901. Local number 952-147-2. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 4 to 3 in (10 to 7.6 cm), depth 319 ft (97 m), cased to 290 ft (88 m). Lsd 99 ft (30 m) above msl. MP top of casing, 2.55 ft (0.78 m) above lsd. Highest water level 14.15 ft (4.31 m) below lsd, Aug. 31, 1973; lowest 24.59 ft (7.50 m) below lsd, May 3, 1968. Records available: 1960, 1967-74. May 7, 1974, 18.44; Sept. 6, 15.41.

#### Collier County

261008080523001. Local number C54. U.S. Geol. Survey. Driven observation water-table well in sandstone of Pleistocene age, diam 6 in (15 cm), depth 9 ft (3 m), cased to 8 ft (2 m), gravel-packed 8-9 ft (2-3 m). Lsd 12.86 ft (3.92 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 13.81 ft (4.21 m) above msl, Oct. 9, 1953; lowest 7.81 ft (2.38 m) above msl, June 13, 1962. Records available: 1951-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+10.50	+10.22	+9.67	+8.87	+8.37	+8.63	+12.93	+12.29	+12.47	+11.08	+11.39	+11.48
10	10.46	10.11	9.53	8.78	8.29	9.29	12.42	11.72	11.48	11.25	11.33	11.40
15	10.52	10.01	9.40	8.67	8.30	12.67	11.79	12.67	11.61	11.01	11.25	e11.00
20	10.56	9.92	9.28	8.64	8.30	12.05	11.57	12.60	12.22	11.81	11.25	e10.75
25	10.46	9.82	9.14	8.58	8.25	12.93	11.73	11.91	11.82	11.61	11.30	e10.50
Eom	10.30	9.75	8.98	8.48	8.35	12.85	12.10	11.38	11.56	11.44	11.36	10.38

e Estimated.

262521081161901. Local number C131. U.S. Geol. Survey. On Florida Highway 846, 8 mi (13 km) east of Immokalee. Drilled observation water-table well in limestone of Tamiati Formation of Pliocene age, diam 6 in (15 cm), depth 54 ft (16 m), cased to 22 ft (7 m). Lsd 26.60 ft (8.11 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 26.72 ft (8.14 m) above msl, Oct. 9, 1953; lowest 20.47 ft (6.24 m) above msl, Mar. 22, 1962. Records available: 1952-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+23.44	+22.90	+22.07	+22.03	+21.15	+23.27	+25.95	+26.12	.....	+25.12	+23.63	+23.85
10	23.45	22.67	21.98	22.14	21.76	23.09	25.86	26.02	+25.74	25.08	23.45	23.25
15	23.35	22.48	22.10	21.91	21.98	22.66	25.49	25.10	25.58	24.65	23.10	23.35
20	23.15	22.58	21.93	21.55	22.23	22.41	25.85	25.71	25.56	24.34	23.11	23.33
25	23.24	22.47	21.78	21.51	22.94	25.87	25.86	25.67	25.52	23.99	22.89	23.24
Eom	22.91	22.23	21.81	21.41	22.96	25.94	26.12	25.70	25.64	23.77	23.79	23.11

#### Columbia County

301031082381001. Local number 9. Lake City. Drilled unused artesian well in Floridan aquifer, diam 12 in (30 cm), reported depth 836 ft (255 m), cased to 680 ft (207 m). Lsd 143.64 ft (43.78 m) above msl. MP top of casing, at lsd. Highest water level 79.53 ft (24.24 m) below lsd, June 4, 1948; lowest 97.20 ft (29.63 m) below lsd, Jan. 19, 1957. Records available: 1942, 1948-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.76	91.40	91.81	92.10	92.40	92.89	93.20	93.41	93.22	93.07	92.98	93.41
10	90.89	91.45	91.93	92.29	92.60	92.97	93.19	93.40	93.22	92.95	93.01	93.46
15	91.03	91.43	92.06	92.25	92.61	92.89	93.22	93.45	93.16	92.90	93.18	93.20
20	91.00	91.38	92.00	92.44	92.72	93.04	93.29	93.35	93.12	92.98	93.05	93.42
25	91.25	91.69	92.07	92.46	92.72	92.88	93.38	93.37	92.99	93.04	93.15	93.54
Eom	91.24	91.90	91.99	92.60	92.80	93.19	93.35	93.32	92.94	93.04	93.08	93.75

Dade County

2544408014801. Local number P179. City of Miami. Southwest 24th Ter. and 32nd Ave. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 77 ft (23 m), casing information not available. Lsd 8.77 ft (2.67 m) above msl. MP top of casing, 2.40 ft (0.73 m) above lsd. Highest water level 7.21 ft (2.20 m) above msl, Oct. 14, 1947; lowest 0.69 ft (0.21 m) above msl, Mar. 18, 1955. Records available: 1939-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	+1.77	+1.58	....	+1.56	+1.96	+2.40	+2.36	+2.33	+2.82	+2.59	+2.94
10	....	1.84	1.57	....	1.67	1.87	2.40	2.12	2.38	3.18	2.40	2.60
15	....	1.77	1.58	....	1.72	1.87	2.38	2.08	2.49	3.00	2.43	2.33
20	+1.90	1.82	1.61	....	1.62	1.97	2.39	2.60	2.56	2.76	2.25	2.20
25	2.04	1.69	1.64	+1.72	1.68	1.95	2.33	2.52	2.45	2.63	2.13	2.06
Eom	1.74	1.56	....	1.65	1.79	....	2.41	2.32	2.66	2.76	3.35	1.89

254217080171801. Local number P319. U.S. Geol. Survey. North First Ave. and Sunset Dr., South Miami. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 17 ft (5 m), cased to 13 ft (4 m). Lsd 11.12 ft (3.39 m) above msl. MP top of casing, 2.69 ft (0.82 m) above lsd. Highest water level 8.86 ft (2.70 m) above msl, Oct. 11, 1947; lowest 0.47 ft (0.14 m) above msl, May 19, 1945. Records available: 1940-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.23	+2.18	+1.85	+1.53	+1.30	+2.37	+2.95	+2.48	+2.30	+2.67	+2.57	+2.78
10	2.23	2.21	1.78	1.51	1.62	2.00	2.52	2.32	2.39	2.80	2.45	2.48
15	2.63	2.12	1.76	1.43	1.62	2.25	3.07	2.48	2.56	2.64	2.48	2.35
20	e2.43	2.06	1.71	1.55	1.45	2.51	2.64	2.38	2.57	2.65	2.32	2.33
25	e2.30	1.98	1.74	1.40	1.49	2.52	2.47	2.48	2.48	2.60	2.22	2.34
Eom	2.22	1.89	1.62	1.35	1.81	2.44	2.54	2.22	2.58	2.68	2.21	2.25

e Estimated.

252829080285101. Local number P358. Town of Homestead. Northwest Sixth St. and Second Ave. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 54 ft (16 m), casing information not available. Lsd 7.76 ft (2.37 m) above msl. MP top of nail driven into recorder shelf, 2.98 ft (0.91 m) above lsd. Highest water level 8.19 ft (2.50 m) above msl, Oct. 5, 1948; lowest 1.18 ft (0.36 m) below msl, June 13, 1971. Records available: 1940-59, 1962-74.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+1.86	+1.27	+0.63	-0.15	-0.42	+0.83	+2.37	+2.91	+2.62	+2.94	+2.17	+3.09
10	1.75	1.15	.53	.28	.18	1.43	2.85	2.95	2.87	2.82	2.05	2.63
15	1.75	1.07	.46	.26	.20	1.56	2.87	2.96	2.90	2.69	1.92	2.55
20	1.65	.96	.42	.06	-.10	1.61	2.87	3.01	2.76	2.57	1.80	2.29
25	1.61	.85	+.23	.10	+.07	1.65	2.81	3.01	2.78	2.45	1.68	2.02
Eom	1.49	.76	-.01	.27	.19	1.61	2.91	2.88	3.01	2.29	2.06	1.87

254332080200801. Local number G39. U.S. Geol. Survey. Dug observation water-table well in oolitic limestone of Biscayne aquifer; diam 6 in (15 cm); depth 18 ft (5 m), previously reported 6 ft (2 m); cased to 15 ft (5 m), previously reported 6 ft (2 m). Lsd 8.08 ft (2.46 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 8.99 ft (2.74 m) above msl, Sept. 21, 1940; lowest 0.52 ft (0.16 m) above msl, May 4-11, 1971. Records available: 1940-43, 1945, 1947, 1949-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.93	+2.83	+2.19	+1.63	+1.03	+2.02	+3.61	+3.50	+3.22	+3.49	+2.90	+3.22
10	2.85	2.64	2.09	1.53	1.12	1.98	3.50	3.31	3.21	3.50	2.84	3.09
15	3.15	2.48	....	1.44	1.17	2.33	3.37	3.28	3.45	3.23	2.78	2.95
20	3.18	2.30	....	1.42	1.33	2.79	3.42	3.59	3.37	3.10	2.74	2.87
25	3.03	2.16	....	1.30	1.42	2.67	3.35	3.67	3.34	3.24	2.69	2.88
Eom	2.89	2.27	1.76	1.81	1.45	1.67	3.40	3.41	3.41	2.93	3.22	2.90

253902080201901. Local number G553. City of Miami. Drilled test water-table well in limestone of Biscayne aquifer, diam 24 to 18 in (61 to 46 cm), depth 91 ft (28 m), cased to 79 ft (24 m), slotted 36-79 ft (11-24 m). Lsd 12.11 ft (3.69 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 11.06 ft (3.37 m) above msl, Oct. 5, 1948; lowest 0.81 ft (0.25 m) above msl, May 14, 15, 1971. Records available: 1947-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	+1.90	+1.39	+1.51	....	+3.53	+3.53	+3.94	+3.52	+3.66
10	....	....	....	1.89	1.57	1.62	....	3.42	3.50	4.37	3.42	3.60
15	....	....	....	1.85	1.57	1.98	....	3.58	3.53	4.05	3.30	3.49
20	....	....	....	1.84	1.56	2.32	....	4.06	3.46	4.03	3.35	3.38
25	....	....	....	1.82	1.56	2.61	....	3.90	3.57	3.78	3.21	3.35
Eom	....	....	....	1.42	1.50	2.87	+3.47	3.70	3.84	3.63	3.56	3.27

254000080181001. Local number G580A. U.S. Geol. Survey. Northwest corner of Ludlum Rd. and Killian Dr. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 22 ft (7 m), cased to 4 ft (1 m). Lsd 9.20 ft (2.80 m) above msl. MP top of casing, 3.22 ft (0.98 m) above lsd. Highest water level 9.34 ft (2.85 m) above msl, Sept. 23, 1960; lowest 0.73 ft (0.22 m) above msl, Apr. 30, 1971. Records available: 1960-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.35	+2.33	+1.67	+1.11	+0.89	+1.44	+2.48	+2.70	....	+2.80	+2.70	+2.80
10	....	2.29	1.60	1.17	1.19	1.44	2.50	2.64	....	3.07	2.59	2.70
15	....	2.17	1.51	1.07	1.17	2.19	2.90	2.44	....	3.09	2.52	2.55
20	....	2.05	1.43	1.10	1.14	2.46	2.88	2.55	....	2.95	2.44	2.47
25	....	1.91	1.34	1.02	1.13	2.74	2.70	2.17	....	2.80	2.42	2.43
Eom	2.47	1.80	1.24	.95	1.24	2.23	2.71	....	+2.68	2.83	2.65	2.33

253937080304001. Local number G596. U.S. Geol. Survey. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 13 ft (4 m), cased to 11 ft (3 m). Lsd 7.70 ft (2.35 m) above msl. MP top of casing, 2.62 ft (0.80 m) above lsd. Highest water level 8.72 ft (2.66 m) above msl, Nov. 2, 1960; lowest 0.98 ft (0.30 m) above msl, May 14, 1971. Records available: 1949-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+4.27	+3.72	+2.81	+2.00	+1.48	+2.19	....	....	+5.30	....	+4.80	+5.06
10	4.22	3.56	2.63	1.96	1.80	2.71	....	....	5.30	....	4.61	4.98
15	4.21	3.43	2.50	1.85	1.64	3.57	....	....	5.18	....	4.42	4.87
20	4.24	3.33	2.35	1.82	1.50	3.50	....	....	5.26	....	4.28	4.77
25	4.10	3.14	2.23	1.75	1.42	3.50	....	+5.15	5.07	....	4.15	4.67
Eom	3.88	2.97	2.09	1.62	1.54	3.66	....	5.17	....	....	4.45	4.54

252425080320001. Local number G613. U.S. Geol. Survey. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 21 ft (6 m), cased to 18 ft (5 m). Lsd 5.00 ft (1.52 m) above msl. MP top of casing, 4.06 ft (1.24 m) above lsd. Highest water level (revised), 8.72 ft (2.66 m) above msl, Nov. 2, 1960; lowest 1.49 ft (0.45 m) below msl, May 14, 1971. Records available: 1950-74.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+1.98	+1.33	+0.54	-0.36	-0.74	+0.92	+2.10	+2.71	+2.32	+2.47	+2.08	+2.31
10	1.87	1.19	.40	.45	.64	1.11	2.47	2.47	2.47	2.48	1.92	2.11
15	1.84	1.05	.28	-.60	-.60	1.36	2.68	2.43	2.59	2.35	1.78	2.00
20	1.74	.92	.17	+1.19	+0.8	1.60	2.43	2.74	2.43	2.23	1.67	1.90
25	1.62	.78	+0.6	-.13	.02	1.76	2.36	2.59	2.42	2.22	1.53	1.83
Eom	1.46	.68	-.17	.52	.30	1.62	2.46	2.44	2.52	2.23	2.85	1.70

253258080264301. Local number G614. U.S. Geol. Survey. Southeast corner of Newton Rd. and Silver Palm Dr. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 20 ft (6 m), cased to 18 ft (5 m). Lsd 11.10 ft (3.38 m) above msl. MP top of casing, 3.05 ft (0.93 m) above lsd. Highest water level 10.76 ft (3.28 m) above msl, Sept. 23, 1960; lowest 0.62 ft (0.19 m) below msl, May 14, 1971. Records available: 1950-74.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.42	+1.97	+1.26	+0.39	-0.09	+0.47	+2.22	+3.34	+3.25	+3.43	+2.66	+2.70
10	2.33	1.83	1.08	.33	+0.5	.73	2.59	3.42	3.11	3.37	2.52	2.72
15	2.23	1.66	.93	.23	.10	1.15	2.99	3.62	3.42	3.21	2.37	2.61
20	2.22	1.53	.83	.18	.09	1.60	3.16	3.76	3.42	3.19	2.22	2.45
25	2.16	1.44	.68	.12	.18	1.80	3.24	3.64	3.29	3.06	2.08	2.35
Eom	2.05	1.34	.54	+0.8	.33	1.88	3.30	3.44	3.44	2.81	2.25	2.29

254600080350001 (revised). Local number G618. U.S. Geol. Survey. On U.S. Highway 41. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 20 ft (6 m), cased to 11 ft (3 m). Lsd 7.40 ft (2.26 m) above msl. MP top of casing, 2.75 ft (0.84 m) above lsd. Highest water level 9.52 ft (2.90 m) above msl, Nov. 2, 1960; lowest 2.56 ft (0.78 m) above msl, May 2, 1962. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+6.34	+6.19	+5.38	+4.18	+3.15	+5.34	+5.95	+6.42	+6.40	+6.61	+6.51	+6.54
10	6.31	6.08	5.17	3.96	4.14	5.39	6.10	6.37	6.43	6.62	6.50	6.53
15	6.37	5.95	5.17	3.81	4.00	5.38	6.16	6.37	6.46	6.61	6.55	6.50
20	6.34	5.82	4.94	3.67	3.72	5.68	6.13	6.37	6.46	6.61	6.45	6.48
25	6.30	5.67	4.76	3.54	3.84	5.74	6.21	6.37	6.63	6.57	6.42	6.47
Eom	6.24	5.54	4.28	3.33	4.75	5.78	6.35	6.40	6.61	6.52	6.62	6.42

253920080461001. Local number G620. U.S. Geol. Survey. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 16 ft (5 m), cased to 6 ft (2 m). Lsd 6.13 ft (1.87 m) above msl. MP top of casing, 4.10 ft (1.25 m) above lsd. Highest water level 7.84 ft (2.39 m) above msl, Oct. 25, 1969; lowest 1.86 ft (0.57 m) above msl, May 30, 1965. Records available: 1950-74.

253920080461001--Continued.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+6.08	+5.91	+5.69	+4.54	+3.05	+5.36	+6.20	+6.07	+6.48	+6.56	+6.44	+6.48
10	6.06	5.86	5.66	4.31	2.84	5.66	6.14	5.99	6.63	6.50	6.42	6.38
15	6.05	5.80	5.62	4.04	2.64	5.91	6.14	6.12	6.76	6.48	6.35	6.33
20	6.02	5.76	5.48	3.82	2.45	5.76	6.03	6.30	6.87	6.47	6.28	6.24
25	5.98	5.76	5.29	3.58	5.02	5.69	6.02	6.18	6.78	6.43	6.22	6.18
Eom	5.94	5.73	4.90	3.26	4.94	5.79	5.98	6.33	6.71	6.46	6.62	6.06

255526080143001. Local number S18. Model Dairy. Drilled observation water-table well in limestone of Biscayne aquifer, diam 8 in (20 cm), depth 52 ft (16 m), casing information not available. Lsd 9.12 ft (2.78 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 7.54 ft (2.30 m) above msl, Oct. 12, 1947; lowest 0.05 ft (0.02 m) above msl, June 3, 1945. Records available: 1939-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+1.97	+1.88	+1.62	+1.59	+1.52	+2.92	+2.30	+2.35	+1.94	+2.14	+1.92	+2.05
10	e1.92	1.84	1.65	1.63	1.99	2.33	2.04	2.09	2.07	2.54	1.90	1.98
15	e2.15	1.78	1.66	1.58	e1.97	2.25	2.03	1.99	2.02	2.11	1.86	2.02
20	e2.20	1.74	1.84	1.68	e2.01	2.27	2.02	2.15	1.99	2.14	1.85	1.94
25	e2.13	1.70	1.73	1.62	e2.17	2.48	2.00	2.13	2.12	2.00	1.81	1.91
Eom	1.95	1.69	1.56	1.57	2.13	2.26	2.15	1.95	2.16	1.89	2.01	1.90

e Estimated.

254832080175001. Local number S19. City of Miami. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 95 ft (29 m), cased to 91 ft (28 m). Lsd 7.24 ft (2.21 m) above msl. MP top of casing, 1.08 ft (0.33 m) above lsd. Highest water level 7.63 ft (2.33 m) above msl, Oct. 1, 1947; lowest 1.41 ft (0.43 m) below msl, June 18-21, 1945. Records available: 1939-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+0.14	+0.11	-0.35	-0.66	-0.91	+1.25	+1.67	+1.23	+0.72	+1.40	....	+1.89
10	.08	-.05	.41	.56	.40	1.45	1.38	.93	1.10	1.85	....	1.44
15	.35	.06	-.03	.71	-.22	1.68	1.25	1.41	1.06	1.83	....	1.17
20	.36	.07	+3.35	.67	+0.1	1.51	1.19	.86	.99	.91	....	.94
25	.37	.25	-.23	.70	.07	1.50	1.10	1.13	1.01	.63	+0.39	.96
Eom	.35	.17	.48	.81	.34	1.42	1.40	.64	1.58	....	1.65	.63

254857080171101. Local number S68. City of Miami. In center of Parkway, 75 ft (23 m) north-east of Deer Run, Miami Springs. Drilled observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 61 ft (19 m), cased to 51 ft (16 m). Lsd 6.45 ft (1.97 m) above msl. MP top of casing, 3.15 ft (0.96 m) above lsd. Highest water level 7.06 ft (2.15 m) above msl, Oct. 12, 1947; lowest 4.19 ft (1.28 m) below msl, May 5, 1974. Records available: 1940-74. Water levels affected by pumping of nearby wells.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.58	2.75	3.50	3.79	4.19	0.39	0.25	1.30	1.78	1.66	2.26	0.25
10	2.77	2.57	3.52	3.45	3.03	.50	.58	2.01	1.77	1.60	2.38	1.37
15	1.99	2.78	2.34	3.81	2.58	.40	1.71	1.77	1.77	1.13	1.72	1.64
20	1.84	3.12	2.86	3.51	2.09	.79	1.61	2.08	1.55	1.30	2.00	1.84
25	2.53	2.86	3.42	3.54	3.07	.65	1.65	1.29	1.86	2.00	1.37	1.75
Eom	1.74	2.87	3.22	3.95	2.34	.14	1.72	2.08	.85	2.17	.66	1.78

253549080214101. Local number S182. International Fruit Co. Drilled unused water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 51 ft (16 m), casing information not available. Lsd 11.14 ft (3.40 m) above msl. MP top of casing, 3.14 ft (0.96 m) above lsd. Highest water level 10.70 ft (3.26 m) above msl, Sept. 10, 1960; lowest 0.44 ft (0.13 m) below msl, June 20-22, 1945. Records available: 1940-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.42	+2.43	e+1.89	+1.61	+0.64	....	+2.57	+2.69	+2.59	+3.00	+2.75	....
10	2.41	2.37	e1.76	1.59	.90	....	2.67	2.67	2.58	....	2.74	....
15	2.64	2.33	e1.65	.97	.87	....	2.82	2.51	2.69	....	2.55	....
20	2.66	2.25	e1.52	.97	.85	....	2.75	2.65	2.66	....	2.63	....
25	2.57	2.10	e1.39	.88	.85	....	2.75	2.74	2.71	....	2.65	....
Eom	2.52	2.01	1.25	.78	1.11	+2.38	2.71	2.85	2.74	2.82	....	+2.60

e Estimated.

253029080295601. Local number S196A. University of Florida Experiment Station. Drilled unused water-table well in limestone of Biscayne aquifer, diam 8 in (20 cm), depth 20 ft (6 m), casing information not available. Lsd 10.61 ft (3.23 m) above msl. MP top of nail driven into recorder shelf, 2.80 ft (0.85 m) above lsd. Highest water level 9.58 ft (2.92 m) above msl, Oct. 5, 1933; lowest 1.64 ft (0.50 m) below msl, May 20, 1971. Records available: 1932-74.

253029080295601--Continued.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+2.29	e+1.81	+1.00	+0.14	-0.26	+0.62	+2.84	+4.16	+3.37	+3.53	+2.64	+3.26
10	2.13	e1.67	.88	+1.3	.06	1.08	3.32	3.93	3.62	3.42	2.49	2.95
15	2.13	e1.52	.73	-.03	.17	1.36	3.58	4.74	3.71	3.25	2.32	2.75
20	2.07	e1.39	.68	+2.1	-.05	1.08	3.72	4.79	3.54	3.10	2.17	2.60
25	2.01	e1.23	.54	+1.1	+1.4	2.00	3.56	4.13	3.45	2.86	2.01	2.45
Eom	e1.95	1.14	.32	-.07	.34	2.03	3.80	3.62	3.65	2.80	2.65	2.28

e Estimated.

Dixie County

293731083061801. Local number 15. Cross City. Drilled unused artesian well in Floridan aquifer, diam 8 in (20 cm), reported depth 215 ft (66 m), cased to 105 ft (32 m). Lsd 40.17 ft (12.24 m) above msl. MP top of coupling, 0.80 ft (0.24 m) above lsd. Highest water level 0.84 ft (0.26 m) below lsd, Sept. 19, 1959; lowest 9.27 ft (2.83 m) below lsd, June 7, 1962. Records available: 1957-74. Jan. 3, 1974, 6.81; May 6, 8.62; July 10, 8.73.

Duval County

301844081403801. Local number 18. C. J. Price. Riverside Ave. and Lomax St., Jacksonville. Drilled domestic artesian well in Floridan aquifer, diam 8 in (20 cm), depth and casing information not available. Lsd 4.48 ft (1.37 m) above msl. MP top of 8-in (20-cm) tee, 1.90 ft (0.58 m) above lsd. Highest water level 43.2 ft (13.2 m) above lsd, Nov. 26, 1938; lowest 18.7 ft (5.7 m) above lsd, Sept. 20, 1972. Records available: 1938, 1940-41, 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1974	+26.4	Apr. 22, 1974	+24.1	July 24, 1974	+22.7	Oct. 30, 1974	+24.9
Feb. 27	26.1	May 6	23.5	Aug. 20	23.7	Nov. 21	25.1
Mar. 21	24.5	June 24	22.1	Sept. 20	24.8	Dec. 27	23.7

301906081332501. Local number 102. V. A. Stevens. Drilled domestic artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 875 ft (267 m), cased to 400 ft (122 m). Lsd 53.04 ft (16.17 m) above msl. MP top of 1-in (2.5-cm) pipe, 1.00 ft (0.30 m) above lsd. Highest water level 6.68 ft (2.04 m) above lsd, Aug. 13, 1930; lowest 22.09 ft (6.73 m) below lsd, May 8, 1967. Records available: 1930-31, 1934, 1939-42, 1946-74. Jan. 21, 1974, 17.64; May 8, 21.54.

301617081421601. Local number 115. City of Jacksonville. Oxford Ave. and Baltic St., Ortega. Drilled unused artesian well in Floridan aquifer, diam 8 in (20 cm), reported depth 729 ft (222 m), cased to 476 ft (145 m). Lsd 16.15 ft (4.92 m) above msl. MP top of 6-in (15-cm) horizontal pipe, 2.40 ft (0.73 m) above lsd. Highest water level 40.0 ft (12.2 m) above lsd, Aug. 22, 1930; lowest 10.8 ft (3.3 m) above lsd, Sept. 18, 1972. Records available: 1930-31, 1938, 1940-42, 1944-74. Jan. 22, 1974, +16.1; Mar. 20, +13.3; May 7, +12.8; July 25, +13.0; Sept. 24, +14.9; Nov. 21, +14.8.

302304081383201. Local number 122. City of Jacksonville. Russell and 63rd Sts., Jacksonville. Drilled unused artesian well in Floridan aquifer, diam 8 in (20 cm), reported depth 905 ft (276 m), cased to 571 ft (174 m). Lsd 14.87 ft (4.53 m) above msl. MP top of flange, at lsd. Highest water level 47.0 ft (14.3 m) above lsd, Aug. 21, 1930; lowest 21.7 ft (6.6 m) above lsd, June 24, 1974. Records available: 1930, 1938, 1940-42, 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 22, 1974	+25.4	Apr. 22, 1974	+23.4	July 24, 1974	+22.6	Oct. 30, 1974	+23.2
Feb. 26	25.0	May 6	22.7	Aug. 20	23.5	Nov. 21	22.3
Mar. 20	23.2	June 24	21.7	Sept. 20	22.2	Dec. 27	23.3

301950081425201. Local number 123. City of Jacksonville. Beaver and Huron Sts., Jacksonville. Drilled unused artesian well in Floridan aquifer, diam 10 in (25 cm), reported depth 1,075 ft (328 m), casing information not available. Lsd 22.78 ft (6.94 m) above msl. MP top of 6-in (15-cm) horizontal pipe, 2.50 ft (0.76 m) above lsd. Highest water level 39.7 ft (12.1 m) above lsd, Aug. 13, 1930; lowest 9.5 ft (2.9 m) above lsd, May 14, 1971. Records available: 1930-31, 1938-74. Jan. 23, 1974, +14.5; May 7, +13.4.

301551081415701. Local number 129. K. A. Merrill. Ortega Blvd. and First St., Ortega. Drilled unused artesian well in Floridan aquifer, diam 4 in (10 cm), depth 600 ft (183 m), cased to 470 ft (143 m). Lsd 8.63 ft (2.63 m) above msl. MP 1/2-in (1.3-cm) corporation cock, 1.00 ft (0.30 m) above lsd. Highest water level 42.3 ft (12.9 m) above lsd, July 9, 1940; lowest 17.4 ft (5.3 m) above lsd, May 9, 1962. Records available: 1940-42, 1944-74. Jan. 22, 1974, +22.8; May 7, +19.2.

302801081375101. Local number 145. Duval County School Board. Oceanway School. Drilled public-supply artesian well in Floridan aquifer, diam 2 in (5.1 cm), depth and casing information not available. Lsd 34.79 ft (10.60 m) above msl. MP top of 2-in (5.1-cm) tee, 1.50 ft (0.46 m) above lsd. Highest water level 24.2 ft (7.4 m) above lsd, June 3, 1947; lowest 1.32 ft (0.40 m) above lsd, May 6, 1974. Records available: 1940-42, 1944-74. Jan. 22, 1974, +3.7; May 6, +1.32.

302441081364901. Local number 149. Mrs. W. M. Bostwick. Drummond Creek, 1.2 mi (1.9 km) southwest of Eastport. Drilled domestic artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 800 ft (244 m), casing information not available. Lsd 29.22 ft (8.91 m) above msl. MP top of 6-in (15-cm) tee, 4.00 ft (1.22 m) above lsd. Highest water level 28.5 ft (8.7 m) above lsd, July 16, 1947; lowest 3.1 ft (0.9 m) above lsd, May 14, 1971. Records available: 1940-41, 1944-74. Jan. 23, 1974, +5.8; May 6, +6.1.

301401081354001. Local number 154. J. M. Shield. Drilled domestic artesian well in Floridan aquifer, diam 4 in (10 cm), depth 625 ft (191 m), cased to 461 ft (141 m). Lsd 25.2 ft (7.7 m) above msl. MP top of 4-in (10-cm) cross, 3.10 ft (0.94 m) above lsd. Highest water level 30.1 ft (9.2 m) above lsd, July 15, 1947; lowest 7.91 ft (2.41 m) above lsd, May 9, 1974. Records available: 1940-42, 1944, 1946-74. Jan. 21, 1974, +12.5; May 9, +7.91.

301852081234201. Local number 160. City of Neptune Beach. Florida Ave. and First St., Neptune Beach. Drilled unused artesian well in Floridan aquifer, diam 8 in (20 cm), reported depth 585 ft (178 m), cased to 357 ft (109 m). Lsd 12.05 ft (3.67 m) above msl. MP top of 8-in (20-cm) tee, 0.50 ft (0.15 m) below lsd. Highest water level 41.7 ft (12.7 m) above lsd, June 15, 1934; lowest 17.5 ft (5.3 m) above lsd, July 10, 1969. Records available: 1934, 1939-42, 1944-74. Affected by tides. Jan. 21, 1974, +25.7; Mar. 20, +24.9; May 6, +19.0; July 25, +18.1; Sept. 23, +33.9; Nov. 21, +24.1.

302538081253101. Local number 164. Clay County Development Co. Fort George Island. Drilled domestic artesian well in Floridan aquifer, diam 8 in (20 cm), reported depth 840 ft (256 m), cased to 450 ft (137 m). Lsd 15.71 ft (4.79 m) above msl. MP top of faucet east of well, 1.30 ft (0.40 m) above lsd. Highest water level 45.0 ft (13.7 m) above lsd, Aug. 19, 1930; lowest 23.4 ft (7.1 m) above lsd, May 6, 1974. Records available: 1930-31, 1940-41, 1944-74. Affected by tides. Jan. 22, 1974, +26.5; May 6, +23.4.

#### Escambia County

303614087190901. Local number 45. U.S. Geol. Survey. Cantonment. Drilled observation artesian well in sand, diam 4 in (10 cm), reported depth 152 ft (46 m), cased to 129 ft (39 m), screened 129-152 ft (39-46 m). Lsd 135.00 ft (41.15 m) above msl. MP top of 4-in (10-cm) flange, 3.00 ft (0.91 m) above lsd. Highest water level 69.30 ft (21.12 m) below lsd, May 3, 1941; lowest 112.02 ft (34.14 m) below lsd, Feb. 29, 1956. Records available: 1940-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	101.29	101.12	100.88	100.68	.....	e100.6	.....	.....	100.58	100.83	100.41	100.60
10	101.13	101.18	100.91	100.89	.....	.....	.....	e100.6	100.57	100.42	100.63	100.63
15	101.26	e101.0	100.87	100.66	e100.6	.....	.....	e100.6	100.46	100.62	100.14	100.14
20	101.05	100.71	100.58	100.78	e100.6	e100.6	100.59	.....	100.57	100.67	100.37	100.32
25	101.15	101.26	100.96	100.75	e100.6	.....	.....	.....	100.46	100.69	100.47	100.49
Eom	101.05	101.18	100.65	100.68	.....	100.60	.....	.....	100.65	100.66	100.23	e100.5

e Estimated.

303108087162301. Local number 46. U.S. Geol. Survey. Ensley. Drilled observation artesian well in sand, diam 4 in (10 cm), depth 239 ft (73 m), cased to 229 ft (70 m). Lsd 131.52 ft (40.09 m) above msl. MP top of flange cover, 1.10 ft (0.34 m) above lsd. Highest water level 56.45 ft (17.21 m) below lsd, Sept. 23, 1948; lowest 83.25 ft (25.37 m) below lsd, Nov. 27, 1972. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	82.31	Apr. 8, 1974	82.16	July 8, 1974	82.14	Oct. 14, 1974	80.42
14	82.57	15	82.37	15	82.44	21	80.65
21	82.44	22	80.65	22	82.62	28	80.34
28	82.24	29	81.56	29	81.59	Nov. 4	81.48
Feb. 4	82.67	May 6	80.29	Aug. 5	81.00	11	80.27
12	82.72	13	80.54	12	80.80	18	80.52
18	82.48	20	81.00	13	80.50	25	80.61
25	83.03	27	80.99	26	80.47	Dec. 3	80.75
Mar. 4	81.61	June 3	80.71	Sept. 9	80.43	9	80.88
11	79.95	10	81.01	16	80.43	16	81.05
18	79.73	17	81.40	23	80.41	24	81.09
25	81.03	24	81.57	30	80.46	30	81.02
Apr. 1	81.72	July 1	82.09	Oct. 7	80.42		

302432087151701. Local number 62. U.S. Geol. Survey. Pensacola. Drilled observation artesian well in sand, diam 6 in (15 cm), depth 142 ft (43 m), cased to 142 ft (43 m). Lsd 13.95 ft (4.25 m) above msl. MP top of flange cover, 1.45 ft (0.44 m) above lsd. Highest water level 6.95 ft (2.10 m) below lsd, Mar. 30, 1919; lowest 24.73 ft (7.54 m) below lsd, July 31, 1955. Records available: 1940-74. Measurement discontinued. Jan. 14, 1974, 12.34; Feb. 12, 12.44; Mar. 11, 12.72.

302432087151702. Local number 62A. U.S. Geol. Survey. Pensacola. Drilled observation water-table well in sand, diam 4 in (10 cm), depth 18 ft (5 m), cased to 18 ft (5 m). Lsd 13.95 ft (4.25 m) above msl. MP top of 4-in (10-cm) coupling, 1.91 ft (0.58 m) above lsd. Highest water level 6.58 ft (2.01 m) below lsd, Apr. 8, 1974; lowest 13.19 ft (4.02 m) below lsd, Jan. 10, 1955. Records available: 1940-74.



302432087151702--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1974	8.59	Apr. 8, 1974	6.58	Aug. 12, 1974	7.50	Nov. 11, 1974	8.51
Feb. 12	8.65	June 10	8.63	Sept. 9	8.57	Dec. 9	8.19
Mar. 11	8.69	July 8	8.95	Oct. 8	8.57		

303610087165001. Local number 74. Monsanto Co. Drilled observation artesian well in sand, diam 4 to 2½ in (10 to 6.4 cm), depth 352 ft (107 m), screened 260-270 ft (79-82 m), 340-350 ft (104-107 m). Lsd 97.39 ft (29.68 m) above msl. MP top of 4-in (10-cm) casing, 3.00 ft (0.91 m) above lsd. Highest water level 73.97 ft (22.55 m) below lsd, Nov. 10, 1951; lowest 94.78 ft (28.89 m) below lsd, Jan. 22, 1969. Records available: 1951-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	92.75	93.38	92.80	91.93	92.82	93.19	93.56	93.21	92.67	92.73	92.98	92.20
10	92.80	92.12	92.86	92.47	93.31	93.21	93.22	93.18	92.07	92.42	92.17	91.51
15	93.13	92.38	92.58	92.55	93.33	93.49	93.90	92.87	92.02	92.49	92.32	90.95
20	93.57	92.53	92.52	92.40	93.28	93.20	93.94	92.52	92.52	92.38	92.34	90.81
25	93.51	92.90	92.85	92.62	93.22	93.76	93.87	92.80	92.68	92.38	92.53	90.67
Eom	93.25	92.96	92.30	92.49	93.28	93.86	93.78	93.11	92.73	93.15	92.07	90.15

Flagler County

292750081152001. Local number 14. W. E. Kudrna (previously reported W. E. Kudrna). Bunnell. Drilled unused artesian well in Floridan aquifer, diam 5 to 4 in (15 to 10 cm), depth 417 ft (127 m), casing information not available. Lsd 21.0 ft (6.4 m) above msl. MP top of 6-in (15-cm) coupling, at lsd. Highest water level 2.7 ft (0.8 m) below lsd, September 1947; lowest 10.41 ft (3.17 m) below lsd, May 1, 1968. Records available: 1936-74. Jan. 8, 1974, 6.30; Mar. 6, 7.70; May 9, 10.09; July 11, 6.74; Sept. 5, 6.08; Oct. 31, 6.46.

Hendry County

261900080585501. Local number HE3. U.S. Geol. Survey. Jetted (previously reported driven) observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 10 ft (3 m), cased to 8 ft (2 m), open end. Lsd 20 ft (6 m) above msl. MP top of flange, 2.50 ft (0.76 m) above lsd. Highest water level 0.90 ft (0.27 m) above lsd, Oct. 2, 1951; lowest 6.35 ft (1.94 m) below lsd, June 5, 10, 13, 1974. Records available: 1941-44, 1950-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.04	3.68	4.44	5.63	6.30	6.34	2.26	0.38	0.92	1.00	2.22	2.66
10	3.18	3.78	4.54	5.80	6.30	6.35	2.28	.76	.77	.99	2.44	2.87
15	3.29	3.95	4.89	5.95	6.30	6.16	2.55	.88	1.10	1.19	2.65	3.03
20	3.26	4.12	5.29	6.12	6.30	5.96	2.51	.87	.70	1.41	2.80	3.09
25	3.40	4.23	5.29	6.21	6.30	5.35	1.35	.85	.23	1.68	3.01	3.19
Eom	3.57	4.36	5.50	6.27	6.32	2.98	.60	.80	.56	1.98	2.82	3.31

263750081074001. Local number HE5. U.S. Geol. Survey. Jetted observation water-table well in limestone of Biscayne aquifer, diam 6 in (15 cm), depth 13 ft (4 m), cased to 13 ft (4 m). Lsd 27 ft (8 m) above msl. MP top of casing, 2.90 ft (0.88 m) above lsd. Highest water level 0.48 ft (0.15 m) above lsd, Oct. 2, 1951; lowest 4.88 ft (1.49 m) below lsd, May 28, 29, 30, 1974. Records available: 1941-67, 1969-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.07	3.54	3.85	4.18	4.67	2.93	0.54	0.73	1.26	2.43	3.92	2.65
10	3.17	3.63	3.90	4.30	4.76	2.99	.73	.86	1.50	2.50	3.33	2.85
15	3.27	3.72	3.95	4.34	4.71	3.30	.85	.41	1.86	2.69	3.43	2.95
20	3.37	3.53	4.02	4.44	4.82	3.05	.98	.98	2.07	e2.73	3.46	3.00
25	3.48	3.69	4.12	4.51	4.84	.47	.96	1.00	2.34	e2.87	3.55	3.10
Eom	3.53	3.75	4.10	4.60	4.87	.78	.50	1.22	2.18	e3.07	2.60	3.18

e Estimated.

Highlands County

273751081155801. Local number H9. Air Force. Avon Park Bombing Range. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 26 ft (8 m), cased to 22 ft (7 m), gravel-packed 22-26 ft (7-8 m). Lsd 131.00 ft (39.93 m) above msl. MP top of casing, 3.32 ft (1.01 m) above lsd. Highest water level C.46 ft (0.14 m) below lsd, Oct. 9, 1953; lowest 5.73 ft (1.75 m) below lsd, Aug. 8, 1950. Records available: 1948-74. Measurements made by Central and Southern Florida Flood Control District. In the last water-supply paper, WSP 2171, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

273751081155801--Continued.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.75	4.12	3.92	4.58	4.81	3.79	0.56	0.79	1.60	3.81	....	....
10	5.80	4.17	4.16	4.62	4.87	3.51	1.76	1.98	2.24	2.91	....	....
15	3.85	4.23	4.25	4.67	....	3.27	2.15	1.76	2.51	3.09	....	....
20	3.92	3.76	4.35	4.66	4.07	2.89	1.43	2.15	2.67	3.20	....	....
25	3.99	3.70	4.40	4.69	3.89	1.78	1.65	1.39	2.16	3.38	....	....
Eom	4.01	3.78	4.48	4.75	3.91	.58	1.69	2.06	2.36	3.51	....	3.57

272746081232701. Local number H10. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 45 ft (14 m), cased to 41 ft (13 m), gravel-packed 41-45 ft (13-14 m). Lsd 117.80 ft (35.91 m) above msl. MP top of casing, 3.80 ft (1.16 m) above lsd. Highest water level 23.27 ft (7.09 m) below lsd, Sept. 17, 1960; lowest 34.43 ft (10.49 m) below lsd, July 6-8, 1956. Records available: 1948-74. In the last water-supply paper, WSP 1271, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.17	32.71	32.97	33.72	34.17	34.16	30.68	29.70	28.25	e28.51	29.57	30.15
10	32.30	32.78	33.03	33.70	34.26	33.95	30.04	28.94	28.33	e28.54	29.76	30.23
15	32.37	32.87	33.53	33.72	34.28	33.75	29.89	28.38	e28.37	e28.57	29.80	30.40
20	32.45	32.96	33.56	33.82	34.25	33.52	29.88	28.23	e28.40	28.94	29.87	30.48
25	32.50	32.93	33.48	33.93	34.24	33.17	29.92	28.19	e28.43	29.08	29.95	30.54
Eom	32.65	32.95	33.57	34.18	34.18	32.59	29.90	28.20	e28.47	29.20	30.05	30.61

e Estimated.

272504081120101. Local number H11A. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 16 ft (5 m), cased to 13 ft (4 m), gravel-packed 13-16 ft (4-5 m). Lsd 49.02 ft (14.94 m) above msl. MP top of shelf, 2.00 ft (0.61 m) above lsd. Highest water level 0.02 ft (0.01 m) above lsd, Sept. 10, 1960; lowest (revised), 5.45 ft (1.66 m) below lsd, June 8, 1962. Records available: 1956-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.35	3.11	3.25	4.17	5.00	4.94	0.60	0.84	1.33	2.35	3.36	3.98
10	2.45	3.07	3.37	4.35	5.05	5.12	1.10	1.12	1.38	2.40	3.57	4.15
15	2.57	3.27	3.55	4.49	5.15	4.56	1.56	1.32	1.72	2.66	3.75	4.13
20	2.72	2.68	3.70	4.64	4.72	4.33	1.33	1.68	1.85	2.88	3.88	3.34
25	2.87	2.84	3.85	4.73	4.70	3.39	1.26	1.46	1.96	3.08	4.02	3.40
Eom	2.95	3.04	4.00	4.88	4.77	1.48	.71	1.74	2.07	3.25	3.84	3.55

271226081194301. Local number H14. U.S. Geol. Survey. At Childs. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 35 ft (11 m), cased to 28 ft (9 m), gravel-packed 22-35 ft (7-11 m). Lsd 136.00 ft (41.45 m) above msl. MP top of casing, 3.31 ft (1.01 m) above lsd. Highest water level 8.44 ft (2.57 m) below lsd, Oct. 10, 1953; lowest 21.50 ft (6.55 m) below lsd, July 1, 1951. Records available: 1948-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.10	19.57	20.02	20.52	20.92	21.20	18.71	16.88	15.85	16.24	16.85	17.54
10	19.17	19.65	20.10	20.58	20.99	21.25	18.25	16.60	15.80	16.31	16.96	17.65
15	19.25	19.72	20.17	20.66	21.06	21.31	18.15	15.96	15.82	16.42	17.08	17.75
20	19.32	19.81	20.25	20.72	21.06	21.37	18.18	15.82	15.92	16.52	17.19	17.82
25	19.40	19.87	20.33	20.80	21.11	20.75	18.18	15.81	16.05	16.62	17.30	17.90
Eom	19.50	19.93	20.43	20.88	21.15	19.73	17.65	15.81	16.15	16.75	17.42	18.02

270202081203301. Local number H15. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 23 ft (7 m), cased to 19 ft (6 m), gravel-packed 18-23 ft (5-7 m). Lsd 58.52 ft (17.84 m) above msl. MP top of casing, 3.52 ft (1.07 m) above lsd. Highest water level 0.10 ft (0.03 m) below lsd, July 27, Aug. 24, 1957; lowest 5.03 ft (1.53 m) below lsd, June 27, 1956. Records available: 1948-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	4.75	3.82	1.59	1.17	1.16	2.04	3.20	2.69
10	....	....	....	....	4.82	3.44	.96	1.92	1.90	2.17	3.25	2.84
15	....	....	....	....	4.47	3.60	2.00	2.08	2.33	2.31	3.36	2.71
20	....	....	....	....	3.83	3.73	1.55	2.30	2.55	2.65	2.36	2.44
25	....	....	....	4.68	3.89	2.00	1.73	1.73	1.50	2.95	2.69	2.65
Eom	....	....	....	4.72	3.99	1.71	1.74	2.30	1.80	3.06	2.36	2.79

Hillsborough County

280702082302801. Local number 13. City of St. Petersburg. Drilled unused artesian well in Floridan aquifer, diam 12 in (30 cm), depth 347 ft (106 m), cased to 46 ft (14 m). Lsd 55.82 ft (17.01 m) above msl. MP top of recorder shelter floor, 2.55 ft (0.78 m) above lsd (since Jan. 1, 1974). Highest water level 50.90 ft (15.51 m) above msl, Sept. 23, 1947; lowest (revised), 24.04 ft (7.33 m) above msl, May 11, 1971. Records available: 1930-35, 1937, 1939-41, 1944-74. Water levels affected by pumping of nearby wells. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+38.58	+35.90	+35.09	+35.83	+32.22	+32.35	+39.87	+43.53	+41.89	+42.55	+36.84	+36.33
10	38.80	35.76	33.64	36.76	32.18	34.81	40.25	43.14	44.28	41.13	36.99	37.50
15	38.95	36.25	33.47	33.99	32.97	35.80	41.91	42.78	44.50	39.01	37.60	38.24
20	36.55	39.70	33.68	33.86	34.86	36.23	40.34	42.15	44.12	40.13	36.53	39.30
25	37.19	37.24	37.62	33.51	33.53	36.97	41.31	41.72	42.83	38.90	38.87	39.39
Eom	36.32	37.18	36.02	32.74	33.14	41.61	42.13	42.01	44.07	38.27	37.34	38.52

274455082252201. Local number 30. C. L. Council. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 500 ft (152 m), cased to 34 ft (10 m). Lsd 5.96 ft (1.82 m), previously reported 6.82 ft (2.08 m), above msl. MP top of 6-in (15-cm) casing, 9.00 ft (2.74 m) above lsd (since Jan. 1, 1974). Highest water level 18.98 ft (5.79 m) above msl, Sept. 6, 1950; lowest 2.34 ft (0.71 m) below msl, May 3, 1974. Records available: 1950-74. Water levels affected by nearby pumping. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e+9.8	e+5.1	+4.23	+3.24	-1.74	+5.78	+9.89	+10.46	+10.18	+7.43	e+5.3	+2.43
10	e8.8	6.29	2.81	3.17	.93	6.92	10.00	10.32	10.60	7.61	e4.8	3.36
15	e8.6	e5.2	1.86	1.39	-.08	7.72	10.10	10.48	10.09	7.10	e4.2	5.07
20	e7.5	7.16	2.07	+0.3	+4.85	8.30	10.17	10.60	9.16	7.13	e3.9	e7.2
25	e7.6	6.96	5.54	-.26	5.90	9.16	9.91	10.00	9.55	6.10	e3.7	e8.2
Eom	e5.9	e4.76	4.24	1.66	4.20	9.53	10.22	10.19	9.71	e5.7	e3.3	e8.4

e Estimated.

Holmes County

304322085561401. Local number 4. Mrs. Dan Hughes. Ponce de Leon. Drilled public-supply artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 187 ft (57 m), casing information not available. Lsd 62.18 ft (18.95 m) above msl. MP top of 6- x 4-in (15- x 10-cm) reducing tee, 1.50 ft (0.46 m) above lsd. Highest water level 6.90 ft (2.10 m) above lsd, May 6, 1964; lowest 0.02 ft (0.01 m) above lsd, Nov. 6, 1974. Records available: 1938, 1947-74. Jan. 7, 1974, +2.02; Mar. 6, +1.99; Apr. 29, +1.60; June 29, +0.52; Sept. 4, +0.41; Nov. 6, +0.02.

Indian River County

273923080471801. Local number IR25. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 19 ft (6 m), cased to 13 ft (4 m), gravel-packed 11-19 ft (3-6 m). Lsd 30.01 ft (9.15 m) above msl. MP top of casing, 2.21 ft (0.67 m) above lsd. Highest water level 1.81 ft (0.55 m) above lsd, Oct. 1, 1965; lowest 4.85 ft (1.48 m) below lsd, June 2, 1967. Records available: 1950-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to msl; beginning in 1974 they are referred to lsd.

Highest water level for the day, above and below lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	-2.17	-2.47	-2.18	-2.19	-3.04	-2.55	-0.03	-0.43	-0.40	-0.65	-1.82	-1.82
10	2.26	2.37	2.28	2.43	2.97	2.88	+0.6	.48	.50	.39	1.87	2.00
15	2.34	2.45	2.32	2.75	2.80	1.93	-.64	-.76	.90	1.04	2.01	1.97
20	2.42	1.55	2.50	2.50	2.62	2.20	-.87	+34	1.16	1.24	1.75	1.42
25	2.51	1.75	2.62	e2.74	2.82	.92	+23	+45	.07	1.46	2.05	1.60
Eom	2.39	2.03	2.79	3.00	2.74	.18	+08	-.10	.44	1.67	1.62	1.79

e Estimated.

Jackson County

304230084532301. Local number 23. Florida State Hospital. Drilled irrigation artesian well in Floridan aquifer, diam 12 in (30 cm), depth 475 ft (145 m), cased to 100 ft (30 m). Lsd 94.63 ft (28.84 m) above msl. MP 1-in (2.5-cm) hole in pumpbase, 2.42 ft (0.74 m) above lsd. Highest water level 16.40 ft (5.00 m) below lsd, Mar. 9, 1966; lowest 43.76 ft (13.34 m) below lsd, Nov. 2, 1951. Records available: 1950-74. Jan. 7, 1974, 24.37; Mar. 6, 23.95; Apr. 29, 25.37; June 29, 26.41; Sept. 4, 26.73; Nov. 6, 27.27.

Lake County

282245081492601. Local number 822-149-213. U.S. Geol. Survey. At Eva. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 192 ft (59 m), cased to 100 ft (30 m). Lsd 113.47 ft (34.59 m) above msl. MP top of 6-in (15-cm) nipple, 3.18 ft (0.97 m) above lsd. Highest water level 0.75 ft (0.23 m) below lsd, Sept. 10, 11, 1960; lowest 6.02 ft (1.83 m) below lsd, May 1, 1974. Records available: 1959-61, 1963-74. Jan. 3, 1974, 2.51; Mar. 8, 3.95; May 1, 6.02; July 9, 1.84; Sept. 10, 1.91; Nov. 1, 4.31.

290950081315501. Local number 22. Earl Little. At Astor, Levy Grant. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), depth 254 ft (77 m), casing information not available. Lsd 16.65 ft (5.07 m) above msl. MP top of coupling, 3.50 ft (1.07 m) above lsd. Highest water level 0.5 ft (0.2 m) above lsd, October 1945; lowest 5.30 ft (1.62 m) below lsd, May 1, 1968. Records available: 1936-74. Jan. 3, 1974, 2.08; Mar. 8, 3.04; May 1, 4.11; July 15, 2.01; Sept. 10, 2.41; Nov. 1, 2.00.

290000081380001. Local number 333. U.S. Forest Service. North of Altoona. Drilled public-supply artesian well in Floridan aquifer, diam 6 in (15 cm), depth 500 ft (152 m), casing information not available. Lsd 61.70 ft (18.81 m) above msl. MP top of access port in sanitary seal, 0.87 ft (0.27 m) above lsd. Highest water level 8.58 ft (2.62 m) below lsd, Mar. 13, 1970; lowest 15.08 ft (4.60 m) below lsd, May 20, 1968. Records available: 1967-74. Jan. 3, 1974, 13.88; Mar. 8, 15.00; May 1, 14.87; July 15, 13.92; Sept. 10, 12.09; Nov. 1, 11.85.

Lee County

263802081493501. Local number L246. U.S. Geol. Survey. Drilled observation water-table well in shell marl of Tamiati Formation of Pliocene age, diam 8 in (20 cm), depth 27 ft (8 m), cased to 19 ft (6 m). Lsd 19.36 ft (5.90 m) above msl. MP top of casing, 2.89 ft (0.88 m) above lsd. Highest water level 19.82 ft (6.04 m) above msl, July 2, 1974; lowest 9.69 ft (2.95 m) above msl, June 8, 1949. Records available: 1945-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+17.17	+16.52	+16.06	+15.49	+15.17	+16.84	+19.73	+19.55	+19.68	+18.13	+16.82	+17.27
10	17.02	16.27	15.92	15.44	15.08	17.66	19.48	19.42	19.33	17.90	16.74	17.12
15	16.88	16.15	15.79	15.36	15.14	19.28	19.33	19.53	19.30	17.55	16.69	17.30
20	16.70	16.54	15.75	15.31	15.40	19.03	19.62	19.52	18.89	17.37	16.69	17.46
25	16.55	16.38	15.70	15.32	15.55	19.81	19.38	19.54	18.92	17.13	16.49	17.42
Eom	16.54	16.17	15.58	15.20	15.65	19.50	19.66	19.45	18.58	16.97	17.41	17.19

Leon County

302710084163001. Local number 7. City of Tallahassee. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), depth 314 ft (96 m), cased to 165 ft (50 m). Lsd 186.50 ft (56.85 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 148.84 ft (45.37 m) below lsd, Apr. 26, 1948; lowest 170.08 ft (51.84 m) below lsd, June 14, 1955. Records available: 1945-74. Water levels affected by pumping of nearby wells.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1974	161.00	Apr. 30, 1974	162.50	July 31, 1974	164.30	Oct. 31, 1974	162.00
Feb. 28	161.15	May 30	162.87	Aug. 30	162.68	Nov. 27	163.43
Apr. 1	162.19	July 1	163.62	Sept. 27	159.90	Dec. 26	163.80

303728084101201. Local number 36A. U.S. Geol. Survey. Drilled observation water-table well in sandy clay of Hawthorn Formation of Miocene age, diam 14 in (3.2 cm), depth 41 ft (12 m), cased to 38 ft (12 m), screened 38-41 ft (12-13 m). Lsd 102.12 ft (31.13 m) above msl. MP top of 14-in (3.2-cm) pipe, 3.85 ft (1.17 m) above lsd. Highest water level 1.95 ft (0.59 m) above lsd, Apr. 27, 1965; lowest 33.66 ft (10.26 m) below lsd, Feb. 28, 1957. Records available: 1935-37, 1942-44, 1947-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 30, 1974	7.40	Apr. 30, 1974	8.02	July 31, 1974	13.27	Oct. 31, 1974	17.70
Feb. 28	6.97	May 30	8.36	Aug. 30	15.18	Nov. 27	19.34
Apr. 1	8.73	July 1	11.65	Sept. 27	14.65	Dec. 26	20.80

30311084205401. Local number 115. Jack Sanders. Drilled domestic artesian well in Floridan aquifer, diam 4 in (10 cm), depth 194 ft (59 m), cased to 104 ft (32 m). Lsd 113 ft (34 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 74.6 ft (22.7 m) below lsd, June 28, 1965; lowest 94.3 ft (28.7 m) below lsd, Apr. 2, 1957. Records available: 1950-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Mar. 1, 1974	82.8	May 30, 1974	86.0	July 31, 1974	89.2	Sept. 27, 1974	87.5
Apr. 1	83.6	July 1	89.0	Sept. 11	87.2	Nov. 27	86.6
30	84.1						

303142084214601. Local number 031-421-132. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 6 in (15 cm), depth 225 ft (69 m), cased to 100 ft (30 m). Lsd 122.20 ft (37.25 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 81.28 ft (24.77 m) below lsd, June 29, 1973; lowest 94.16 ft (28.70 m) below lsd, Jan. 7, 1972. Records available: 1966-74.

303142084214601--Continued.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	87.14	87.09	.....	87.71	88.44	88.78	90.01	90.67	90.00	88.18	89.37	90.72
10	87.13	87.04	.....	87.62	88.71	89.05	90.16	90.60	89.21	88.25	89.66	90.79
15	86.87	87.08	.....	87.53	88.69	89.20	90.38	90.42	88.69	88.42	90.00	90.69
20	86.91	86.82	.....	87.92	88.61	89.51	90.60	90.24	88.30	88.74	90.02	90.96
25	87.15	87.22	.....	88.16	88.83	89.54	90.78	90.11	88.05	88.94	90.24	91.03
Eom	87.04	87.43	.....	88.36	89.01	89.89	90.88	90.03	88.06	e89.2	90.22	91.32

e Estimated.

303142084214602. Local number 031-421-132A. U.S. Geol. Survey. Drilled test artesian well in sand, diam 6 in (15 cm), depth 54 ft (16 m), screened 49-54 ft (15-16 m). Lsd 122.26 ft (37.26 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 28.41 ft (8.66 m) below lsd, Sept. 30, 1966; lowest 42.83 ft (13.05 m) below lsd, Dec. 17, 1972. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	36.18	36.46	36.06	36.44	36.04	36.63	37.16	37.83	38.34	38.67	39.03	40.01
10	36.20	36.39	36.12	36.52	36.29	36.73	37.23	37.90	38.50	38.54	39.21	40.13
15	36.22	36.05	36.27	36.23	36.24	36.70	37.32	38.04	38.46	38.61	39.47	39.79
20	36.02	35.98	36.17	36.30	36.47	36.89	37.48	38.03	38.48	38.86	39.37	40.13
25	36.30	36.30	36.41	36.15	36.47	36.75	37.65	38.17	38.42	38.92	39.59	40.26
Eom	36.29	36.30	36.20	36.23	36.53	37.20	37.77	38.30	38.50	e39.1	39.47	40.47

e Estimated.

Madison County

302822083255501. Local number 18. Florida State Road Dept. Near Madison. Drilled drainage artesian well in Floridan aquifer, diam 4 in (10 cm), depth 322 ft (98 m), cased to 307 ft (94 m). Lsd 100.56 ft (30.65 m) above msl. MP top of casing, at lsd. Highest water level 5.90 ft (1.80 m) below lsd, May 10, 1973; lowest 35.89 ft (10.94 m) below lsd, Mar. 27, 1957. Records available: 1952-74. Water levels affected by pumping of nearby well. Jan. 3, 1974, 26.67; Mar. 5, 25.49; May 6, 25.84; July 9, 27.60; Sept. 4, 28.28; Nov. 4, 27.40.

Manatee County

272356082181302. Local number Verna 1A. U.S. Geol. Survey. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 480 ft (146 m), cased to 412 ft (126 m). Lsd 83.00 ft (25.30 m) above msl. MP top of recorder floor, 3.10 ft (0.94 m) above lsd (since Jan. 1, 1974). Highest water level 49.45 ft (15.07 m) above msl, Apr. 3, 1970; lowest 28.91 ft (8.81 m) above msl, May 16, 1974. Records available: 1970-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+41.62	+38.14	+36.38	+32.85	+29.40	+33.87	+39.25	+42.19	+41.96	+41.45	+37.19	+33.23
10	41.44	37.40	34.95	32.94	29.12	34.66	39.87	42.20	42.30	41.10	36.35	32.98
15	40.92	37.03	34.15	32.32	28.98	35.65	40.26	41.96	42.13	40.25	35.60	33.20
20	40.25	36.64	34.24	31.70	30.55	36.43	40.55	42.17	41.77	39.86	34.87	34.80
25	39.75	37.66	33.46	30.95	32.25	37.35	40.85	41.84	41.84	39.31	34.21	36.15
Eom	39.25	37.25	33.82	30.10	33.15	38.33	41.41	41.57	41.59	38.00	33.48	36.88

Marion County

29115081592501. Local number 5. Florida State Road Dept. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 135 ft (41 m), cased to 135 ft (41 m). Lsd 39.83 ft (12.14 m) above msl. MP top of reducer, 2.55 ft (0.78 m) above lsd. Highest water level 15.59 ft (4.75 m) above lsd, Oct. 14, 1960; lowest 3.35 ft (1.02 m) above lsd, May 7, 1957. Records available: 1933-74. Well used to rate flow of Silver Springs.

Mean water level for the day, above lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+6.81	+6.28	+6.09	+6.03	+5.83	+5.57	+7.03	+8.66	+9.41	+9.39	+8.90	+8.11
10	6.72	6.17	5.95	5.95	5.70	5.52	7.59	8.76	9.47	9.35	8.80	8.02
15	6.68	6.25	5.78	6.04	5.61	5.58	8.03	8.93	9.45	9.35	8.56	8.11
20	6.65	6.15	5.79	5.85	5.70	5.51	8.26	9.14	9.48	9.11	8.60	7.92
25	6.47	6.05	5.80	5.84	5.66	5.74	8.41	9.26	9.56	9.09	8.48	7.83
Eom	6.42	5.99	6.02	5.80	5.57	6.22	8.61	9.36	9.48	8.98	8.41	7.67

290514082270701. Local number CE10A. U.S. Geol. Survey. Rainbow Springs. Drilled observation artesian well in Floridan aquifer, diam 3 in (7.6 cm), depth 482 ft (147 m), cased to 125 ft (38 m). Lsd 113.13 ft (34.48 m) above msl. MP top of 6-in (15-cm) casing, 3.00 ft (0.91 m) above lsd. Highest water level 77.01 ft (23.47 m) below lsd, Oct. 24, 1964; lowest 82.93 ft (25.28 m) below lsd, June 20, 1974. Records available: 1964-74. Well used to rate flow of Rainbow Springs.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	82.01	82.35	82.53	82.68	82.79	82.90	82.41	81.52	81.18	81.18	81.53	81.88
10	82.06	82.37	82.58	82.71	82.80	82.92	82.28	81.45	81.12	81.21	81.57	81.92
15	82.11	82.38	82.63	82.71	82.83	82.92	82.19	81.43	81.14	81.27	81.67	81.93
20	82.17	82.41	82.66	82.77	82.85	82.93	82.00	81.34	81.17	81.34	81.71	81.99
25	82.23	82.47	82.65	82.76	82.85	82.79	81.85	81.24	81.08	81.40	81.76	82.04
Eom	82.28	82.50	82.68	82.78	82.87	82.50	81.73	81.18	81.12	81.47	81.81	82.11

290225081561001 (revised). Local number 47. A. C. Luffman. Drilled public-supply artesian well in Floridan aquifer, diam 6 in (15 cm), depth 179 ft (55 m), casing information not available. Lsd 72.22 ft (22.01 m) above msl. MP bottom edge of hole in casing, 4.35 ft (1.33 m) above lsd. Highest water level 10.39 ft (3.17 m) below lsd, Oct. 31, 1960; lowest 24.67 ft (7.52 m) below lsd, Apr. 4, 1956. Records available: 1936-74. Jan. 3, 1974, 21.60; Mar. 8, 22.87; May 1, 23.15; July 15, 19.56; Sept. 10, 18.61; Nov. 1, 19.82.

285920081500501 (revised). Local number 48. E. P. Nelson. Drilled domestic artesian well in Floridan aquifer, diam 6 in (15 cm), depth 152 ft (46 m), casing information not available. Lsd 61.08 ft (18.62 m) above msl. MP top of coupling, at lsd. Highest water level 0.2 ft (0.1 m) above lsd, October 1945; lowest 10.90 ft (3.32 m) below lsd, Apr. 24, 1957. Records available: 1936-74. Jan. 3, 1974, 7.33; Mar. 8, 9.00; May 1, 6.84; July 15, 5.96; Sept. 10, 4.71; Nov. 1, 4.94.

291015081385001 (revised). Local number 49. Florida State Road Dept. Ocala National Forest. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), depth 175 ft (53 m), casing information not available. Lsd 67.20 ft (20.48 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 23.20 ft (7.07 m) below lsd, Nov. 1, 1960; lowest 32.00 ft (9.75 m) below lsd, May 1, 1974. Records available: 1936-74. Jan. 3, 1974, 30.53; Mar. 8, 31.45; May 1, 32.00; July 15, 30.40; Sept. 10, 28.63; Nov. 1, 28.60.

291120082102501. Local number 51. D. P. Sawyer. Drilled unused artesian well in Floridan aquifer, diam 4 in (10 cm), depth 106 ft (32 m), casing information not available. Lsd 74.61 ft (22.74 m) above msl. MP top of casing, 0.05 ft (0.02 m) above lsd. Highest water level 21.63 ft (6.59 m) below lsd, Sept. 17, 1964; lowest 34.84 ft (10.62 m) below lsd, Aug. 10, 1956. Records available: 1935-74. Jan. 9, 1974, 31.90; Mar. 18, 32.82; May 21, 32.95; July 16, 30.80; Sept. 18, 29.00; Nov. 11, 29.97.

#### Martin County

265732080143001. Local number M140. U.S. Geol. Survey. On Florida Highway 710, 10 mi (16 km) west of Jupiter. Drilled observation water-table well in shell, diam 6 in (15 cm), depth 31 ft (9 m), cased to 20 ft (6 m). Lsd 19.89 ft (6.06 m) above msl. MP top of casing, 2.60 ft (0.79 m) above lsd. Highest water level 21.23 ft (6.47 m) above msl, Sept. 25, 1960; lowest 15.24 ft (4.65 m) above msl, May 25, 1974. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+18.07	+18.57	+16.87	+17.05	+15.62	+17.33	+19.71	+19.66	+18.90	+18.42	+18.00	+18.25
10	17.79	18.17	16.68	16.54	15.49	17.26	19.53	19.24	18.63	18.71	18.61	18.04
15	19.57	17.75	17.16	16.27	15.57	18.48	19.66	19.39	18.45	18.71	17.74	19.94
20	19.45	17.99	17.18	16.16	15.31	18.74	19.38	19.54	18.33	18.50	18.47	18.31
25	19.35	17.21	18.01	15.98	15.24	19.62	19.49	19.40	18.10	18.77	17.90	18.05
Eom	18.86	17.06	17.33	15.77	16.33	19.47	19.68	18.88	18.81	18.10	18.90	17.79

271012080141201. Local number M147. U.S. Geol. Survey. East 10th St. and Palm Beach Rd., Stuart. Drilled observation water-table well in calcareous sandstone, diam 6 in (15 cm), depth 74 ft (23 m), cased to 73 ft (22 m). Lsd 13.64 ft (4.16 m) above msl. MP top of casing, 3.70 ft (1.13 m) above lsd. Highest water level 13.10 ft (3.99 m) above msl, Oct. 18, 1953; lowest 4.40 ft (1.34 m) below msl, Apr. 20, 1972. Records available: 1952-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, above and below msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	+1.10	+0.20	-1.54	-0.94	+0.44	+3.07	+3.12	+2.60	+2.50	+2.30
10	....	....	.93	+.21	.91	.98	.77	3.55	3.07	3.08	2.41	2.27
15	....	....	.70	-.06	1.15	.90	1.12	3.39	2.77	3.18	2.23	2.15
20	....	....	.66	.31	.92	.59	1.10	3.53	1.71	2.98	2.17	2.15
25	....	....	.60	.40	.94	.61	1.08	3.61	2.31	2.72	2.10	2.09
Eom	....	+1.35	.40	1.56	.96	-.22	1.90	3.15	2.44	2.54	2.28	2.03

Nassau County

303244081263701. Local number 8. Union Carbide Ore Co. Drilled domestic artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 680 ft (207 m), casing information not available. Lsd 13.70 ft (4.18 m) above msl. MP top of 4-in (10-cm) cross, 1.80 ft (0.55 m) above lsd. Highest water level 43.1 ft (13.1 m) above lsd, July 15, 1947; lowest 17.2 ft (5.2 m) above lsd, May 12, 1971. Records available: 1939-40, 1944-74. Jan. 22, 1974, +17.3; May 6, +18.0.

304010081264501. Local number 27. Judge Fishler and others. Atlantic Blvd. and North 18th St., Fernandina. Drilled unused artesian well in Floridan aquifer, diam 3 in (7.6 cm), depth 191 ft (58 m), casing information not available. Lsd 20.45 ft (6.23 m) above msl. MP top of cap, 1.00 ft (0.30 m) above lsd. Highest water level 29.5 ft (9.0 m) above lsd, Mar. 28, 1939; lowest (revised), 29.34 ft (8.94 m) below lsd, June 18, 1963. Records available: 1939-41, 1944-74. Fluctuation caused primarily by regional pumping. Jan. 22, 1974, 22.01; Mar. 20, 21.55; May 6, 26.37; July 24, 22.65; Sept. 23, 22.26; Nov. 21, 22.68.

303754081362701. Local number 44. Seaboard Air Line RR. Co. Yulee. Drilled railroad artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 1,000 ft (305 m), cased to 450 ft (137 m). Lsd 34.61 ft (10.61 m) above msl. MP bottom of 3-in (1.3-cm) hole in base of 3-in (7.6-cm) tee, 2.22 ft (0.68 m) above lsd. Highest water level 22.5 ft (6.9 m) above lsd, Aug. 25, 1938; lowest 5.44 ft (1.66 m) below lsd, May 7, 1974. Records available: 1934, 1938, 1940, 1944-74. Jan. 22, 1974, 3.63; May 7, 5.44.

303658081422601. Local number 50. R. E. Fingar. Drilled domestic artesian well in Floridan aquifer, diam 2 in (5.1 cm), reported depth 569 ft (173 m), casing information not available. Lsd 17.79 ft (5.42 m) above msl. MP top of 2-in (5.1-cm) tee, 1.20 ft (0.37 m) above lsd. Highest water level 40.5 ft (12.3 m) above lsd, May 30, 1940; lowest 16.0 ft (4.9 m) above lsd, May 9, 1968. Records available: 1940-41, 1944-74. Jan. 22, 1974, +21.0; May 6, +19.4.

303340081500001. Local number 51. Ellis Howard. At Callahan. Drilled domestic artesian well in Floridan aquifer, diam 2 in (5.1 cm), reported depth 580 ft (177 m), casing information not available. Lsd 18.78 ft (5.72 m) above msl. MP top of 2-in (5.1-cm) cross, 1.00 ft (0.30 m) above lsd. Highest water level 42.5 ft (13.0 m) above lsd, July 15, 1947; lowest 21.4 ft (6.5 m) above lsd, May 6, 1974. Records available: 1940-42, 1944-74. Jan. 22, 1974, +23.1; May 6, +21.4.

303703081305001. Local number 55. L. R. Church. O'Neill. Drilled domestic artesian well in Floridan aquifer, diam 2 in (5.1 cm), reported depth 540 ft (165 m), cased to 504 ft (154 m). Lsd 12.64 ft (3.85 m) above msl. MP top of flange of 2-in (5.1-cm) valve, 1.50 ft (0.46 m) above lsd. Highest water level 35.1 ft (10.7 m) above lsd, July 7, 1944; lowest 6.46 ft (1.97 m) below lsd, May 6, 1974. Records available: 1940, 1944-72, 1974. Well plugged; measurement discontinued. Jan. 22, 1974, 5.30; May 6, 6.46.

Okaloosa County

303512086375101. Local number 29. U.S. Air Force. Eglin Auxiliary Field 5. Drilled public-supply artesian well in Floridan aquifer, diam 10 in (25 cm), depth 710 ft (216 m), cased to 524 ft (160 m). Lsd 178.03 ft (54.26 m) above msl. MP top of concrete pumpbase, 0.75 ft (0.23 m) above lsd. Highest water level 99.8 ft (30.4 m) below lsd, Oct. 28, 1947; lowest 154.45 ft (47.68 m) below lsd, Sept. 30, 1974. Records available: 1947-74. Fluctuation caused primarily by regional pumping.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	149.78	148.50	147.71	147.77	147.90	149.81	151.30	152.77	152.54	152.64	152.60	152.20
10	149.51	148.37	147.68	147.86	148.17	150.07	151.60	152.79	152.38	152.45	152.59	152.04
15	149.40	148.01	147.68	147.74	148.50	150.20	151.85	152.72	152.34	152.51	152.76	151.63
20	148.98	147.91	147.58	147.87	148.83	150.53	152.26	152.65	152.32	152.66	152.50	151.57
25	149.04	148.09	147.80	147.88	149.19	150.58	152.53	152.60	152.22	152.74	152.42	151.54
Eom	148.68	147.95	147.70	147.95	149.50	151.07	152.75	152.60	153.07	152.75	152.09	151.44

302747086382001. Local number 027-638-214. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 10 in (25 cm), depth 858 ft (262 m), cased to 503 ft (153 m). Lsd 57.67 ft (17.58 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level (revised), 45.1 ft (13.8 m) below lsd, Feb. 5, 1967; lowest 93.2 ft (28.4 m) below lsd, Aug. 30, 1974. Records available: 1966-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	75.1	75.3	77.4	85.6	89.9	89.9	88.2	90.3	87.8	89.0	83.5
10	76.4	74.7	76.7	77.7	88.8	89.6	91.5	87.4	88.0	90.3	87.2	83.0
15	75.9	74.7	78.3	78.2	88.9	....	92.1	88.2	88.2	91.8	86.5	82.0
20	75.4	74.5	78.8	78.6	90.3	....	90.8	87.9	89.3	89.0	85.0	82.8
25	75.5	74.7	78.3	81.2	89.4	....	90.3	89.8	90.0	88.9	84.2	81.1
Eom	75.3	74.7	77.2	83.4	90.0	....	89.3	92.6	88.8	88.9	83.6	80.7

Okeechobee County

272315081010901. Local number OK2. U.S. Geol. Survey. On Florida Highway 66, 1 mi (1.6 km) west of Bassinger. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 21 ft (6 m), cased to 18 ft (5 m), gravel packed 16-21 ft (5-6 m). Lsd 47.44 ft (14.46 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 48.10 ft (14.66 m) above msl, Oct. 9, 1953; lowest 37.94 ft (11.56 m) above msl, May 24, 1968. Records available: 1949-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+42.22	+41.48	.....	+40.06	+39.34	+39.71	+42.83	+43.84	+43.78	+43.73	+42.70	+41.84
10	42.09	41.34	+40.74	39.95	39.15	39.95	42.69	43.54	44.29	44.20	42.55	41.73
15	41.98	41.19	40.63	39.93	39.06	39.89	42.33	43.64	44.58	43.57	42.38	41.63
20	41.88	41.09	40.52	39.71	39.18	39.68	42.61	43.41	44.16	43.33	42.24	42.16
25	41.75	41.00	40.37	39.58	39.03	40.18	43.38	44.21	44.14	43.08	42.24	42.08
Eom	41.60	40.93	40.22	39.46	38.97	42.21	44.21	44.08	44.36	42.86	41.95	41.88

272932080482201. Local number OK3. U.S. Geol. Survey. On Florida Highway 15, 2 mi (3.2 km) south of Fort Drum. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 22 ft (7 m), cased to 19 ft (6 m), gravel-packed 14-22 ft (4-7 m). Lsd 61.80 ft (18.84 m) above msl. MP top of casing, 3.50 ft (1.07 m) above lsd. Highest water level 61.93 ft (18.88 m) above msl, Oct. 15, 1956; lowest 56.56 ft (17.24 m) above msl, June 1, 1967. Records available: 1948-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+59.32	+58.84 e	+58.5	+58.12	+57.36	+56.92	+59.62	+61.05	+59.84	+59.40	+58.70	+58.48
10	59.09	58.58	58.54	58.28	57.27	56.84	59.69	60.70	60.63	59.91	58.60	58.23
15	59.13	58.42	58.33	57.93	57.21	57.53	59.75	59.87	59.65	59.38	58.39	58.28
20	58.88	59.63	58.11	57.90	57.14	57.55	60.88	61.05	59.29	59.08	58.34	59.15
25	58.73	59.25	58.00	57.61	57.03	60.14	60.85	61.20	59.23	58.88	58.19	59.07
Eom	59.19	59.05	57.84	57.48	56.91	59.78	61.02	60.46	60.05	59.01	58.62	58.85

e Estimated.

Orange County

283253081283401. Local number 47. U.S. Geol. Survey. Orlo Vista. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 350 ft (107 m), cased to 328 ft (100 m). Lsd 72.12 ft (21.98 m) above msl. MP top of casing, 12.72 ft (3.88 m) above lsd. Highest water level 8.66 ft (2.64 m) above lsd, Mar. 20, 1960; lowest 17.77 ft (5.42 m) below lsd, May 4, 1974. Records available: 1930-33, 1943-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.62	13.89	14.79	15.55	17.67	16.62	8.98	7.95	9.18	8.40	10.76	11.57
10	12.83	14.01	15.32	15.68	17.12	16.72	9.47	8.43	7.47	8.43	10.70	11.80
15	12.91	14.44	15.61	.....	16.92	15.47	9.80	8.42	7.92	8.92	11.02	11.62
20	13.17	14.12	15.07	.....	16.23	15.28	9.83	8.00	8.61	9.42	11.32	11.38
25	13.57	14.22	14.72	.....	16.52	14.53	10.05	8.56	8.00	9.90	11.32	11.53
Eom	13.57	14.43	14.82	17.13	16.94	9.71	8.80	9.09	7.73	10.42	11.38	11.81

283253081283402. Local number 47B. U.S. Geol. Survey. Orlo Vista. Drilled observation water-table well in sand of Miocene, Pliocene and Pleistocene age, diam 6 in (15 cm), depth 20 ft (6 m), cased to 17 ft (5 m). Lsd 72.12 ft (21.98 m) above msl. MP top of casing, 9.80 ft (2.99 m) above lsd. Highest water level 9.8 ft (3.0 m) above lsd, Oct. 11, 1960; lowest (revised), 16.50 ft (5.03 m) below lsd, May 15, 1968. Records available: 1948-74. Jan. 2, 1974, 11.58; July 31, 9.73; Aug. 28, 8.71; Oct. 1, 6.77; Oct. 29, 8.48.

Osceola County

281722080543001. Local number OS171. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 19 ft (6 m), cased to 13 ft (4 m), gravel-packed 11-19 ft (3-6 m). Lsd 31.60 ft (9.63 m) above msl. MP top of casing, 3.00 ft (0.9 m) above lsd. Highest water level 35.56 ft (10.23 m) above msl, Sept. 23, 1960; lowest 26.89 ft (8.20 m) above msl, July 5, 1970. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+30.97	+29.62	+28.91	+29.66	+27.91	+29.15	+32.17	+31.88	+31.69	+31.10	+30.26	+29.35
10	30.72	29.51	28.74	29.02	28.18	28.50	32.39	31.53	31.42	31.37	30.44	29.26
15	30.55	29.33	29.33	28.60	28.65	30.28	32.12	31.48	31.16	31.00	29.86	29.98
20	30.35	29.58	28.78	28.38	29.18	30.73	32.09	31.32	31.06	30.83	29.70	30.65
25	30.12	29.13	29.15	28.20	29.00	31.26	31.45	31.53	31.87	30.64	29.48	30.52
Eom	29.90	29.03	28.58	28.05	28.52	31.53	31.82	31.16	31.58	30.52	29.54	30.30



280619080542601. Local number OS179. U.S. Geol. Survey. Deer Park. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 18 ft (5 m), cased to 18 ft (5 m), gravel-packed. Lsd 48.84 ft (14.83 m), above msl. MP top of casing, 3.20 ft (0.98 m) above lsd. Highest water level (revised), 48.69 ft (14.84 m) above msl, Oct. 18, 1973; lowest 42.67 ft (13.01 m) above msl, June 6, 1967. Records available: 1949-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	+45.39	+44.98	+44.66	+44.16	+45.17	+48.09	+48.57	+47.39	+48.54	+46.64	+45.92
10	+46.04	45.29	44.96	44.64	44.14	45.08	47.94	48.24	48.23	48.23	46.54	45.79
15	45.79	45.19	44.83	44.56	44.24	45.02	47.37	48.29	47.78	47.83	46.40	45.71
20	45.70	45.17	44.84	44.44	45.24	44.90	47.24	47.99	47.51	47.46	46.27	46.43
25	45.61	45.09	44.79	44.33	45.16	44.79	47.34	47.83	48.50	47.13	46.14	46.31
Eom	45.46	45.04	44.60	44.15	45.10	48.15	47.99	47.44	48.13	46.96	46.01	46.18

281141081094101. Local number OS181. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 16 ft (5 m), cased to 14 ft (4 m), gravel-packed 11-16 ft (3-5 m). Lsd 79.13 ft (24.12 m) above msl. MP top of casing, 3.05 ft (0.93 m) above lsd. Highest water level 79.60 ft (24.26 m) above msl, Sept. 17, 1960; lowest 70.40 ft (21.46 m) above msl, June 3, 1971. Records available: 1948-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	+72.79	+72.15	+71.55	+70.94	+71.01	.....	+75.29	+76.42	+75.60	+74.37	+73.48
10	.....	72.67	72.02	71.52	70.98	70.96	.....	76.37	77.17	75.40	74.19	73.36
15	+73.30	72.54	71.90	71.41	70.91	.....	.....	76.38	76.35	75.15	74.01	73.29
20	73.22	72.45	71.79	71.33	71.22	.....	.....	76.27	76.03	74.94	73.89	73.62
25	73.07	72.33	71.76	71.22	71.17	.....	+75.67	75.89	77.08	74.73	73.73	73.53
Eom	72.94	72.27	71.66	71.08	71.06	.....	75.90	76.27	76.41	74.50	73.60	73.35

274646081074801. Local number OS182. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 23 ft (7 m), cased to 16 ft (5 m), gravel-packed 14-23 ft (4-7 m). Lsd 61.92 ft (18.87 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 61.87 ft (18.86 m) above msl, Sept. 10, 1969; lowest 55.94 ft (17.05 m) above msl, Aug. 13, 1950. Records available: 1949-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	+57.73	+57.85	.....	+57.07	.....	.....	.....	.....	+60.01	.....	.....
10	+58.49	57.64	57.67	.....	56.93	.....	.....	.....	+60.87	60.48	.....	.....
15	58.27	57.63	57.52	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	58.10	58.15	57.40	+57.44	.....	.....	.....	.....	.....	.....	.....	.....
25	57.97	.....	.....	57.41	.....	.....	.....	.....	.....	.....	.....	.....
Eom	57.83	.....	.....	57.24	.....	.....	+60.82	.....	60.74	.....	.....	+58.45

274828081010901. Local number OS183. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 27 ft (8 m), cased to 22 ft (7 m), gravel-packed 19-27 ft (6-8 m). Lsd 73.33 ft (22.35 m) above msl. MP top of casing, 3.50 ft (1.07 m) above lsd. Highest water level 73.43 ft (22.38 m) above msl, Oct. 9, 1953; lowest 68.09 ft (20.75 m) above msl, May 9-11, 1968. Records available: 1948-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+70.43	+69.78	+69.75	+69.16	+68.78	+68.68	.....	+72.93	+72.00	+70.80	+69.91	+69.17
10	70.33	69.91	69.63	69.10	68.69	68.58	.....	.....	72.46	71.23	69.69	69.11
15	70.31	69.72	69.48	69.05	68.63	70.32	.....	.....	71.35	.....	69.55	69.06
20	70.10	70.33	69.45	69.04	69.33	70.67	.....	.....	70.92	.....	69.45	69.90
25	70.61	70.14	69.35	68.97	69.14	72.08	.....	.....	71.11	70.20	69.33	70.02
Eom	69.80	69.96	69.24	68.88	68.82	.....	.....	72.58	71.58	70.02	69.25	69.96

#### Palm Beach County

263652080033801. Local number PB88. U.S. Geol. Survey. South F St. and First Ave., Lake Worth. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in (15 cm), depth 17 ft (5 m), cased to 16 ft (5 m), gravel-packed 12-17 ft (4-5 m). Lsd 14.44 ft (4.40 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 15.47 ft (4.72 m) above msl, Oct. 5, 1948; lowest 2.86 ft (0.87 m) above msl, May 1, 1971. Records available: 1944-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+5.59	+5.60	+4.81	+4.02	+3.32	+3.11	+3.53	+4.71	+4.13	+4.26	+5.15	+4.72
10	5.42	5.42	4.67	3.90	3.24	3.06	3.71	4.85	4.25	5.90	5.01	4.63
15	5.89	5.30	4.53	3.80	3.55	3.05	3.86	4.85	4.07	5.83	4.90	4.55
20	6.01	5.17	4.45	3.67	3.27	3.04	3.92	4.65	3.99	5.72	4.83	4.54
25	5.90	5.06	4.32	3.57	3.13	3.03	4.22	4.47	3.82	5.54	4.75	4.48
Eom	5.75	4.97	4.17	3.45	3.16	2.97	4.51	4.31	3.87	5.31	4.81	4.39

264005080033501. Local PB99. U.S. Geol. Survey. Garden Ave. and Bradley St., West Palm Beach. Drilled observation water-table well in sand of Biscayne aquifer, diam 6 in (15 cm), depth 18 ft (5 m), cased to 16 ft (5 m), gravel-packed 14-18 ft (4-5 m). Lsd 14.43 ft (4.40 m) above msl. MP top of casing, 2.50 ft (0.76 m) above lsd. Highest water level 14.06 ft (4.29 m) above msl, Oct. 6, 1948; lowest 5.01 ft (1.53 m) above msl, Mar. 23, 1962. Records available: 1948-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+6.77	+7.52	+6.87	+6.35	+5.93	+5.79	+6.24	+7.11	+7.11	+6.98	+7.38	+6.87
10	6.71	7.38	6.72	6.28	5.95	5.77	6.22	7.18	6.91	8.18	7.22	6.79
15	7.67	7.27	6.76	6.22	6.00	5.79	6.62	7.23	6.73	7.95	7.10	7.22
20	7.78	7.14	6.80	6.12	6.02	5.89	6.69	7.09	6.64	7.88	7.13	7.16
25	7.72	7.05	6.59	6.08	5.90	5.90	6.65	7.18	6.66	7.68	6.97	7.15
Eom	7.65	6.97	6.45	5.99	5.89	6.02	6.96	6.99	6.67	7.47	6.95	6.96

264841080114901. Local number PB109. U.S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 14 ft (4 m), cased to 9 ft (3 m), gravel-packed 8-14 ft (2-4 m). Lsd 17.85 ft (5.44 m) above msl. MP top of casing, 4.80 ft (1.46 m) above lsd. Highest water level 19.73 ft (6.01 m) above msl, Oct. 9, 1953; lowest 14.64 ft (4.46 m) above msl, May 14, 1971. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+17.92	+18.09	+17.47	+17.84	+15.78	+16.15	+18.24	+18.29	+18.13	+18.32	+18.29	+18.25
10	18.05	18.02	17.24	17.35	16.63	16.21	18.18	18.19	18.08	18.49	18.22	18.20
15	18.89	17.90	18.03	17.06	16.39	16.90	18.01	18.13	18.01	18.40	18.16	18.54
20	18.47	18.00	18.05	16.64	15.84	17.72	17.85	18.12	17.91	18.40	18.15	18.57
25	18.18	17.74	17.82	16.30	15.58	17.99	17.77	18.19	17.81	18.37	18.07	18.58
Eom	18.11	17.63	17.58	15.90	15.49	18.05	18.15	18.14	18.30	18.32	18.33	18.55

#### Pasco County

281558082264601. Local number 13. C. C. Cone. Drilled unused water-table well in Floridan aquifer, diam 6 in (15 cm), depth 49 ft (15 m), cased to 43 ft (13 m). Lsd 80.65 ft (24.58 m), previously reported 80.5 ft (24.5 m), above msl. MP top of recorder floor, 2.35 ft (0.72 m) above lsd (since Jan. 1, 1974). Highest water level 77.35 ft (23.58 m) above msl, Mar. 18, 1960; lowest 70.15 ft (21.38 m) above msl, June 1945. Records available: 1934, 1936-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+74.25	+73.52	+73.21	+73.23	+72.12	+71.50	e+75.40	+76.01	+74.17	e+74.30	+73.02	e+72.30
10	73.96	73.43	73.07	72.98	72.01	71.40	e75.20	75.22	75.50	73.90	72.88	e72.20
15	73.90	73.35	72.85	72.77	71.81	71.61	75.53	74.73	74.99	73.73	72.69	72.44
20	73.66	73.51	72.75	72.75	71.87	71.65	74.85	74.54	74.53	73.60	72.63	72.72
25	73.54	73.50	73.71	72.56	71.96	74.34	75.38	74.89	74.32	73.42	72.51	72.68
Eom	73.60	73.36	73.53	72.25	71.70	e75.40	75.41	74.32	e74.70	73.13	72.47	72.53

e Estimated.

#### Pinellas County

280820082450101. Local number 13. U.S. Geol. Survey. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 141 ft (43 m), cased to 33 ft (10 m), previously reported 32 ft (10 m). Lsd 11.88 ft (3.62 m) above msl. MP top of 6-in (15-cm) casing, 2.90 ft (0.88 m) above lsd. Highest water level 5.25 ft (1.60 m) above msl, Sept. 10, 1971; lowest 0.78 ft (0.24 m) above msl, Sept. 8, 1965. Records available: 1947-74. Affected by tides. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+3.64	+3.48	+3.33	+4.02	+3.72	+3.75	+4.81	+4.17	+4.53	+3.95	+3.74	+3.17
10	3.70	3.19	3.21	3.62	3.54	3.55	4.33	4.43	4.95	3.94	3.59	3.28
15	3.45	3.23	3.04	3.35	3.25	3.65	4.27	4.34	4.57	4.09	3.71	3.53
20	3.50	3.88	3.01	3.54	3.89	3.95	4.14	4.14	4.49	3.71	3.47	3.32
25	3.43	3.23	3.75	3.51	3.78	4.25	3.95	4.07	4.35	3.69	3.53	3.27
Eom	3.29	3.13	3.74	3.28	3.61	e4.9	3.99	4.32	4.34	3.83	3.82	3.48

e Estimated.

275843082474201. Local number 246. City of Clearwater. Drilled unused artesian well in Floridan aquifer, diam 10 in (25 cm), depth 208 ft (63 m), cased to 54 ft (16 m). Lsd 32.27 ft (9.84 m) above msl. MP top of casing, 1.55 ft (0.47 m) above lsd (since Jan. 1, 1974). Highest water level 8.63 ft (2.63 m) above msl, Sept. 6, 1950; lowest 3.41 ft (1.04 m) above msl, Apr. 28, 1974. Records available: 1945-74. Affected by tides. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+5.15	+4.57	+4.38	+4.92	+4.14	+4.29	+5.99	+5.60	+5.94	+5.18	+5.06	+4.42
10	5.19	4.61	4.27	4.29	4.06	4.47	5.63	e5.70	5.87	5.51	4.81	4.47
15	4.90	4.67	4.15	4.37	4.05	4.83	5.51	e5.60	5.72	5.56	4.78	5.21
20	5.08	5.24	4.13	4.14	4.52	4.82	5.38	e5.60	5.98	5.09	4.72	5.08
25	4.88	4.57	4.82	4.11	4.43	6.06	5.30	e5.50	5.93	5.12	4.65	5.00
Eom	4.82	4.26	4.74	3.92	4.26	5.82	5.40	e5.70	5.93	5.10	5.07	4.97

e Estimated.

#### Polk County

281058081364201. Local number 44. P. E. Williams. Davenport. Drilled unused artesian well in Floridan aquifer, diam 10 in (25 cm), depth 195 ft (59 m), cased to 81 ft (25 m). Lsd 113.14 ft (34.49 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 0.86 ft (0.26 m) above lsd, Sept. 13, 1960; lowest 6.55 ft (2.00 m) below lsd, May 2, 1974. Records available: 1945-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.67	5.13	5.37	5.79	6.41	6.00	4.12	3.77	3.77	3.45	4.16	4.72
10	4.75	5.14	5.54	5.90	6.25	6.13	4.01	3.67	3.34	e3.55	4.18	4.72
15	4.81	5.27	5.74	5.36	6.36	6.31	4.12	3.55	3.20	e3.65	4.37	4.61
20	4.86	5.26	5.77	6.05	6.22	6.42	4.04	3.59	3.42	3.94	4.50	....
25	5.04	5.22	5.52	6.17	6.33	6.27	3.96	3.61	3.27	3.93	4.51	....
Eom	5.12	5.30	5.69	6.39	6.30	4.92	3.81	3.80	3.31	4.04	4.58	4.75

e Estimated.

281051081362501. Local number 47. U.S. Geol. Survey. Davenport. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 67 ft (20 m), cased to 60 ft (18 m), gravel-packed 58-67 ft (18-20 m). Lsd 156.50 ft (47.70 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 40.45 ft (12.33 m) below lsd, Sept. 22, 1960; lowest 50.21 ft (15.30 m) below lsd, June 27, 1974. Records available: 1948-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.15	48.62	48.99	49.40	49.82	50.14	49.87	47.55	46.74	46.30	46.73	47.44
10	48.22	48.70	49.05	49.47	49.88	50.12	49.54	47.35	46.68	46.31	46.92	47.58
15	48.30	48.77	49.12	49.52	49.93	50.13	49.11	47.21	46.58	46.42	47.03	47.69
20	48.37	48.85	49.18	49.60	49.99	50.15	48.64	47.06	46.46	46.53	47.13	47.79
25	48.45	48.90	49.25	49.66	50.03	50.20	48.23	46.93	46.38	46.63	47.23	47.86
Eom	48.54	48.94	49.33	49.73	50.10	50.13	47.81	46.80	46.32	46.75	47.35	47.95

274225081315201. Local number 48. U.S. Geol. Survey. South of Frostproof. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 62 ft (19 m), cased to 59 ft (18 m), gravel-packed 52-62 ft (16-19 m). Lsd 144.31 ft (43.99 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 38.08 ft (11.61 m) below lsd, Oct. 7, 1948; lowest 47.80 ft (14.57 m) below lsd, June 4, 1956. Records available: 1949-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	45.33	45.77	46.07	46.48	46.81	47.29	45.78	43.80	43.41	43.73	44.06	44.58
10	45.41	45.82	46.11	46.48	46.90	47.31	44.87	43.70	43.40	43.79	44.17	44.63
15	45.48	45.89	46.20	46.49	46.99	47.13	44.49	43.57	43.47	43.82	44.26	44.65
20	45.55	45.90	46.28	46.58	47.01	47.05	44.35	43.50	43.53	43.84	44.36	44.71
25	45.63	45.94	46.33	46.71	47.09	47.08	44.23	43.38	43.59	43.93	44.43	44.77
Eom	45.71	46.00	46.41	46.76	47.19	46.57	43.95	43.35	43.65	43.97	44.48	44.88

274812081190301. Local number 49. U.S. Geol. Survey. Drilled observation water-table well in sand and gravel deposits of Pleistocene age, diam 6 in (15 cm), depth 17 ft (5 m), cased to 14 ft (4 m), gravel-packed 14-17 ft (4-5 m). Lsd 104.93 ft (31.98 m) above msl. MP top of recorder base, 3.20 ft (0.98 m) above lsd. Highest water level 0.31 ft (0.09 m) above lsd, Nov. 25, 1953; lowest 6.17 ft (1.88 m) below lsd, June 8, 1962. Records available: 1949-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	2.63	3.37	3.46	4.30	4.87	4.30	0.36	0.42	0.26	1.57	2.62	3.29
10	2.77	3.37	3.64	4.40	4.90	4.48	.63	.44	.48	1.70	2.73	3.35
15	2.88	3.51	3.77	4.51	3.90	4.51	1.04	.84	.96	1.90	2.90	3.40
20	3.00	2.64	3.91	4.55	3.56	4.47	.89	.38	1.24	2.09	3.03	2.29
25	3.10	2.96	4.02	4.65	3.85	3.24	.69	.62	.50	2.28	3.15	2.52
Eom	3.26	3.14	4.15	4.74	4.10	.72	.64	1.00	1.07	2.49	3.21	2.75

274440081314801. Local number 51. Mrs. Flora P. Coley. 48 First St., Frostproof. Drilled unused artesian well in Hawthorn aquifer, diam 6 in (15 cm), depth 319 ft (97 m), cased to 208 ft (63 m). Lsd 97.5 ft (29.7 m) above msl. MP top of casing, at lsd. Highest water level 3.68 ft (1.12 m) below lsd, Oct. 25, 1953; lowest 28.33 ft (8.63 m) below lsd, May 3, 1974. Records available: 1949-74. Water levels affected by pumping of nearby wells. Jan. 2, 1974, 15.19; Mar. 6, 19.93; May 3, 28.33; July 9, 14.14; Sept. 6, 13.06; Nov. 5, 17.28.

275326081585801. Local number 753-158-311. International Mineral and Chemical Co. Mulberry. Drilled unused artesian well in Floridan aquifer, diam 10 in (25 cm), depth 710 ft (216 m), cased to 237 ft (72 m). Lsd 99.72 ft (30.39 m), previously reported 100.9 ft (30.8 m), above msl. MP top of coupling, 3.00 ft (0.91 m) above lsd (since Jan. 1, 1974). Highest water level 88.25 ft (26.90 m) above msl, Oct. 23, 1959; lowest 32.50 ft (9.91 m) above msl, May 6, 1974. Records available: 1955-74. Water levels affected by regional pumping. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+51.20	+46.50	+45.27	+39.41	+32.87	+38.62	+47.20	e+55.70	+57.53	+59.39	+50.05	+45.65
10	50.89	45.47	43.36	39.15	34.35	39.43	49.35	e56.80	58.48	57.43	48.64	45.51
15	50.48	44.92	42.16	38.51	34.30	41.75	e50.70	e58.00	60.13	55.93	47.26	44.14
20	49.92	44.37	40.76	38.13	36.45	41.99	e51.50	e58.00	60.96	55.34	46.55	46.18
25	49.24	45.00	40.31	36.72	37.85	42.34	e53.00	57.84	60.24	54.44	46.07	47.31
Eom	47.82	46.10	40.33	34.82	38.39	44.99	e54.40	57.69	59.86	51.56	45.75	47.44

e Estimated.

#### Putnam County

292530081384001. Local number 28. Donald Swisher. Fruitland. Drilled domestic artesian well in Floridan aquifer, diam 6 in (15 cm), depth 159 ft (48 m), casing information not available. Lsd 25.7 ft (7.8 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 4.9 ft (1.5 m) below lsd, September 1943; lowest 10.36 ft (3.16 m) below lsd, May 1, 1968. Records available: 1936-74. Jan. 8, 1974, 7.66; Mar. 6, 8.92; May 9, 8.73; July 11, 7.34; Sept. 4, 7.06; Oct. 31, 7.25.

293910081385001. Local number 29. C. L. Conway. Palatka. Drilled public-supply artesian well in Floridan aquifer, diam 8 in (20 cm), depth 300 ft (91 m), casing information not available. Lsd 22.2 ft (6.8 m) above msl. MP chisled cross on horizontal pipe, 2.00 ft (0.61 m) above lsd. Highest water level 12.1 ft (3.7 m) above lsd, Oct. 1, 1953; lowest 0.73 ft (0.22 m) below lsd, May 1, 1968. Records available: 1936-74. Jan. 8, 1974, +4.8; Mar. 6, +2.9; May 9, +1.77; July 11, +3.66; Sept. 5, +4.09; Oct. 31, +3.81.

#### St. Johns County

300759081230701. Local number 5. G. L. Oesterreicher. Palm Valley. Drilled domestic artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 350 ft (107 m), cased to 180 ft (55 m). Lsd 4.53 ft (1.38 m) above msl. MP faucet at northwest corner of residence, 1.20 ft (0.37 m) above lsd. Highest water level 46.2 ft (14.1 m) above lsd, Nov. 9, 1948; lowest 27.7 ft (8.4 m) above lsd, May 9, 1974. Records available: 1934, 1940, 1944-74. May 9, 1974, +27.7.

300556081291001. Local number 8. Ponce de Leon Raceway, Inc. Drilled public-supply artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 336 ft (102 m), cased to 240 ft (73 m). Lsd 17.77 ft (5.42 m) above msl. MP top flange of 6-in (15-cm) valve, 0.50 ft (0.15 m) above lsd. Highest water level 37.0 ft (11.3 m) above lsd, Aug. 28, 1934; lowest 20.6 ft (6.3 m) above lsd, May 9, 1974. Records available: 1934, 1940-42, 1944, 1946-74. May 9, 1974, +20.6.

293729081221201. Local number 937-122-1. Florida Dept. of Transportation. Formerly Florida State Road Dept. Drilled observation artesian well in Floridan aquifer, diam 6 in (15 cm), depth 622 ft (190 m), cased to 142 ft (43 m). Lsd 38.43 ft (11.71 m) above msl. MP top of coupling, 4.00 ft (1.22 m) above lsd. Highest water level 15.59 ft (4.75 m) below lsd, Sept. 11, 1960; lowest 25.28 ft (7.71 m) below lsd, May 3, 1968. Records available: 1958-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.46	21.01	22.45	22.84	24.75	23.70	22.66	21.28	20.45	20.39	20.85	21.71
10	20.38	21.25	22.93	23.60	24.42	23.59	22.27	21.11	20.42	20.19	20.92	21.74
15	20.47	21.82	23.41	24.32	24.38	23.35	21.89	20.94	20.30	20.32	21.16	21.42
20	20.45	22.15	23.60	24.74	24.11	23.35	21.85	20.74	20.27	20.41	21.29	21.46
25	20.72	21.85	23.18	24.69	23.90	22.88	21.64	20.70	20.12	20.51	21.33	21.49
Eom	20.88	22.25	22.63	24.85	23.83	22.93	21.42	20.68	20.29	20.82	21.46	21.50

#### St. Lucie County

271538080371401. Local number St.L.41. U.S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 17 ft (5 m), cased to 13 ft (4 m), gravel-packed 12-17 ft (4-5 m). Lsd 25.71 ft (8.75 m) above msl. MP top of casing, 2.70 ft (0.82 m) above lsd. Highest water level (revised), 29.16 ft (8.89 m) above msl, July 5, 1968; lowest 23.66 ft (7.21 m) above msl, May 14, 1971. Records available: 1950-74.

271538080371401--Continued.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+24.91	+24.93	+24.39	+23.99	+24.91	+24.82	+27.38	+27.88	+26.47	+26.79	+25.88	+25.08
10	24.81	24.78	24.30	24.10	24.89	26.86	27.56	27.19	27.08	26.83	25.65	24.97
15	25.40	24.62	24.22	23.98	24.79	26.82	27.20	27.19	26.66	26.72	25.44	24.90
20	25.42	24.55	24.18	24.65	24.82	26.39	27.62	26.86	26.50	26.72	25.34	25.65
25	25.19	24.49	24.12	25.37	24.55	27.71	27.50	27.47	27.07	26.43	25.12	25.39
Eom	25.03	24.46	23.97	25.19	24.53	27.97	27.54	26.81	27.25	26.02	25.18	25.42

272655080401601. Local number St.L.42. U.S. Geol. Survey. Jetted observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 18 ft (5 m), cased to 13 ft (4 m), gravel-packed 12-18 ft (4-5 m). Lsd 27.79 ft (8.47 m) above msl. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 30.19 ft (9.20 m) above msl, Oct. 16, 1956; lowest 23.61 ft (7.20 m) above msl, May 13, 1961. Records available: 1950-74.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+25.04	+24.80	+24.64	+24.63	+24.21	+26.12	+27.75	+27.21	.....	.....	+24.79	+24.62
10	24.97	24.80	24.57	24.61	24.17	25.65	27.94	27.56	.....	.....	24.69	24.59
15	24.90	24.75	24.52	24.50	25.55	25.49	27.45	27.14	.....	.....	24.57	24.57
20	24.90	24.77	24.45	24.47	24.93	25.42	27.19	27.08	.....	.....	24.59	24.80
25	24.83	24.68	24.45	24.40	24.70	27.43	27.40	26.89	.....	.....	24.41	24.75
Eom	24.80	24.67	24.36	24.31	25.46	27.58	26.89	.....	.....	+24.85	24.45	24.70

Santa Rosa County

302135087094501. Local number 102. U.S. Geol. Survey. Gulf Breeze. Drilled observation water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 41 ft (13 m), screened 31-41 ft (9-13 m). Lsd 11.56 ft (3.52 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 1.95 ft (0.59 m) below lsd, Oct. 31, 1959; lowest 10.58 ft (3.22 m) below lsd, Jan. 17, 1955. Records available: 1950-74. Jan. 8, 1974, 7.95; May 4, 7.60.

Sarasota County

271938082251801. Local number 9. Palmer Corp. Drilled unused artesian well in Floridan aquifer; diam 6 in (15 cm); reported depth 750 ft (229 m), previously reported 730 ft (223 m); cased to 101 ft (31 m). Lsd 33.56 ft (10.23 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd (since Jan. 1, 1974). Highest water level 28.36 ft (8.64 m) above msl, Mar. 7, 1931; lowest 5.08 ft (1.55 m) above msl, May 4, 1974. Records available: 1930-37, 1941-74. Water levels affected by seasonal pumping of nearby wells. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Highest water level for the day, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	+25.11	+18.98	+17.03	+11.81	+5.80	+16.12	+25.38	+27.78	+27.64	+25.15	+17.72	+13.55
10	23.87	17.80	15.17	11.76	5.97	17.64	25.82	28.02	28.18	24.35	16.87	14.06
15	23.66	16.54	13.26	11.78	6.54	19.67	26.38	28.12	27.94	23.22	15.82	15.13
20	22.15	17.79	14.27	8.91	10.42	21.23	26.72	27.96	27.13	22.60	15.31	17.98
25	20.53	19.58	14.42	8.01	13.33	23.17	26.98	27.78	26.70	20.68	14.05	19.33
Eom	19.38	18.33	14.49	6.93	15.13	24.48	27.42	27.63	26.25	18.98	14.60	20.03

e Estimated.

Taylor County

300358083305001. Local number 35. Buckeye Cellulose Corp. Drilled unused artesian well in Floridan aquifer, diam 17 to 12 in (43 to 30 cm), depth 230 ft (70 m), cased to 189 ft (58 m). Lsd 54.69 ft (16.67 m) above msl. MP top of 17-in (43-cm) casing, at lsd. Highest water level 0.69 ft (0.21 m) above lsd, Apr. 2, 1948; lowest 42.5 ft (13.0 m) below lsd, May 15, 1974. Records available: 1946-74. Water levels affected by pumping of nearby wells.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	31.4	31.5	30.9	33.5	33.0	34.1	32.4	28.6	24.4	24.3	27.2	29.6
10	31.5	31.4	30.7	33.2	32.8	34.0	32.0	15.1	23.2	24.6	27.7	29.9
15	31.2	31.3	30.8	33.0	42.5	33.8	32.1	24.3	22.9	25.1	28.2	30.1
20	31.5	31.2	30.6	33.1	34.1	33.2	32.3	13.1	22.8	25.6	28.3	30.3
25	31.7	31.0	30.7	33.5	34.2	32.7	32.4	25.6	23.2	26.0	28.9	29.0
Eom	31.6	30.9	33.4	33.6	34.2	33.1	30.4	24.1	23.8	26.7	29.2	28.5

30040708334301. Local number 36. Buckeye Cellulose Corp. Drilled unused water-table well in sand of Pleistocene age, diam 6 in (15 cm), depth 35 ft (11 m), casing information not available. Lsd 54.19 ft (16.52 m) above msl. MP top of coupling, 2.30 ft (0.70 m) above lsd. Highest water level 1.38 ft (0.42 m) below lsd, Sept. 14, 1964; lowest 24.59 ft (7.50 m) below lsd, Apr. 4, 1957. Records available: 1947-74. Water levels affected by pumping of nearby wells. May 7, 1974, 14.28.

#### Union County

300747082225801. Local number 007-222-1. U.S. Geol. Survey. Drilled test artesian well in Floridan aquifer, diam 8 in (20 cm), depth 724 ft (221 m), cased to 594 ft (212 m). Lsd 152.75 ft (46.56 m) above msl. MP top of coupling, 3.00 ft (0.91 m) above lsd. Highest water level 85.90 ft (26.21 m) below lsd, Mar. 29, 30, 1965; lowest 95.63 ft (29.15 m) below lsd, Dec. 31, 1974. Records available: 1958-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	93.81	94.14	94.27	94.36	94.78	95.30	95.40	95.20	94.59	94.28	94.75	95.47
10	93.84	94.12	94.35	94.47	94.99	95.39	95.30	95.15	94.28	94.20	94.87	95.55
15	93.92	94.08	94.50	94.46	95.01	95.35	95.25	94.92	94.09	94.30	95.08	95.27
20	93.82	93.92	94.47	94.62	95.02	95.28	95.28	94.65	94.07	94.40	95.00	95.49
25	94.04	94.21	94.57	94.61	95.01	95.12	95.35	94.66	94.00	94.51	95.15	95.55
Eom	94.00	94.43	94.30	94.87	95.15	95.40	95.22	94.66	94.02	94.73	95.14	95.63

#### Volusia County

291715081281801. Local number 30. James C. Mew. Drilled unused artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 180 ft (55 m), casing information not available. Lsd 14.9 ft (4.5 m) above msl. MP top of casing, 1.42 ft (0.43 m) above lsd. Highest water level 13.0 ft (4.0 m) above lsd, July 14, 1961; lowest 6.4 ft (2.0 m) above lsd, Nov. 3, 1971. Records available: 1936-74. Jan. 4, 1974, +8.7; Mar. 5, +8.1; May 8, +6.62; July 2, +7.6; Sept. 15, +8.2; Oct. 31, +7.4.

285745081054001. Local number 31. Florida State Road Dept. Alama. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), depth 113 ft (34 m), casing information not available. Lsd 35.9 ft (10.9 m) above msl. MP top of recorder-shelter base, 3.10 ft (0.94 m) above lsd. Highest water level 3.60 ft (1.16 m) below lsd, September 1945; lowest 9.35 ft (2.85 m) below lsd, June 14, 1974. Records available: 1936-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.58	7.52	7.61	8.07	9.22	9.18	5.97	5.65	5.71	5.26	6.31	7.35
10	6.72	7.55	7.86	8.07	9.04	9.28	5.53	5.57	5.32	5.11	6.47	7.47
15	6.85	7.85	8.20	8.26	9.15	9.27	5.55	5.73	5.42	5.28	6.68	7.42
20	7.02	7.78	8.35	8.52	8.98	9.24	5.95	5.30	5.57	5.50	6.86	6.92
25	7.23	7.52	8.17	8.73	9.00	9.01	5.90	5.25	5.10	5.84	7.08	6.82
Eom	7.47	7.55	7.96	9.06	9.12	6.93	5.83	5.55	5.20	6.12	7.20	6.87

291905081251001. Local number 32. Robert Nolan. Drilled unused artesian well in Floridan aquifer, diam 6 in (15 cm), reported depth 138 ft (42 m), casing information not available. Lsd 23.3 ft (7.1 m) above msl. MP top of casing, 1.08 ft (0.33 m) above lsd. Highest water level 0.4 ft (0.1 m) below lsd, September, October 1947; lowest 7.07 ft (2.15 m) below lsd, May 1, 1968. Records available: 1936-74. Jan. 4, 1974, 3.47; Mar. 11, 5.02; May 8, 6.83; July 2, 4.22; Sept. 15, 3.92; Oct. 31, 3.45.

290138081203202. Local number J2. U.S. Geol. Survey. West of De Land. Drilled observation artesian well in intermediate zone of the Floridan aquifer, diam 4 in (10 cm), depth 500 ft (152 m), cased to 252 ft (77 m). Lsd 45 ft (14 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 26.04 ft (7.94 m) below lsd, Sept. 3, 1969; lowest 34.96 ft (10.66 m) below lsd, May 2, 1974. Records available: 1967-74. May 2, 1974, 34.96; Sept. 5, 31.14.

#### Wakulla County

300917084121301. Local number 2. O. P. Shields. St. Marks. Drilled unused artesian well in Floridan aquifer, diam 4 in (10 cm), depth 65 ft (20 m), cased to 22 ft (7 m). Lsd 3.75 ft (1.14 m) above msl. MP top of casing, at lsd. Highest water level 1.26 ft (0.38 m) above lsd, Aug. 31, 1950; lowest 4.28 ft (1.30 m) below lsd, Oct. 15, 1951. Records available: 1937, 1946-74. Affected by tides. Jan. 7, 1974, 1.63; Mar. 4, 1.89; May 7, 1.91; July 15, 1.78; Sept. 5, 0.99; Nov. 5, 1.95.

300000084261001. Local number 11. U.S. Dept. of Interior. Drilled domestic artesian well in Floridan aquifer, diam 4 in (10 cm), depth 70 ft (21 m), cased to 45 ft (14 m). Lsd not available. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.10 ft (1.55 m) below lsd, Sept. 23, 1959; lowest 9.00 ft (2.74 m) below lsd, Mar. 7, 1949. Records available: 1946-74. May 7, 1974, 8.35.

Washington County

304632085485101. Local number 4. Town of Caryville. Drilled public-supply artesian well in Floridan aquifer, diam 4 in (10 cm), reported depth 785 ft (239 m), casing information not available. Lsd 62.97 ft (19.19 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.00, Dec. 12, 1935; lowest 17.98 ft (5.48 m) below lsd, Nov. 23, 1952. Records available: 1935, 1946-74. Jan. 7, 1974, 9.80; Mar. 6, 9.64; Apr. 29, 10.29; June 29, 13.29; Sept. 4, 14.28; Nov. 6, 15.47.

303025085350501. Local number 030-535-422A. U.S. Geol. Survey. Drilled observation artesian well in Floridan aquifer, diam 4 in (10 cm), depth 150 ft (46 m), cased to 110 ft (34 m). Lsd 66.11 ft (20.15 m) above msl. MP top of casing, 2.90 ft (0.88 m) above lsd. Highest water level (revised), 2.0 ft (0.6 m) below lsd, Mar. 31, Apr. 2, 1965; lowest 17.92 ft (5.46 m) below lsd, Feb. 13, 14, 1969. Records available: 1962-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.38	6.40	6.80	6.97	7.94	8.78	9.47	....	8.83	....	9.85	....
10	6.35	6.34	6.96	7.12	8.11	....	9.30	....	e8.4	....	9.92	....
15	6.25	6.46	7.09	7.23	8.18	9.01	9.50	....	8.57	....	10.09	....
20	6.32	6.57	7.17	7.42	8.19	9.25	9.76	....	8.72	....	e10.10	....
25	6.44	6.68	7.17	6.60	8.38	9.17	e9.9	....	....	....	....	....
Eom	6.34	6.71	7.08	7.78	8.60	9.49	9.75	8.76	....	....	....	....

e Estimated.

## GEORGIA

The observation-well program in Georgia, begun in 1938, was continued during 1974 in cooperation with the Geologic and Water Resources Division of the Georgia Department of Natural Resources. Figure 4 shows the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

The local well-numbering system used in this report is based on a 7½-minute latitude and longitude grid that has been adapted for the ground-water work in Georgia. The State is divided into 7½-minute quadrangles starting at longitude 85°42'30" on the west and latitude 35°15' on the south. The quadrangles are numbered from 1 to 40 beginning at longitude 85°42'30" on the west and continuing eastward. They are lettered from south to north beginning at latitude 30°15', starting with A through Z, omitting letters "O" and "I", and with double letters AA through QQ. The 7½-minute quadrangle is identified by the longitude and latitude lines along its south and west sides. To identify a 7½-minute quadrangle, read right, then up. Thus, a well in Glynn County in quadrangle 32H is bounded on the west by longitude 81°30' and on the south by latitude 31°07'30". The wells are numbered serially within each quadrangle.

### Well Descriptions and Water-Level Measurements

Water levels are reported 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. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

#### Appling County

314612082195401. Local number 27N4. Filtered Rosin Products Co. Near Baxley. Drilled industrial artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 625 ft (191 m), cased to 525 ft (160 m). Lsd 208 ft (62 m) above msl. MP top of hole in pumpbase, 1.20 ft (0.37 m) above lsd. Highest water level 129.6 ft (39.5 m) below lsd, Sept. 20, 1946; lowest 148.21 ft (45.17 m) below lsd, Dec. 3, 1968. Records available: 1940-74. May 6, 1974, 145.70; Oct. 8, 145.60.

#### Brantley County

311100081590001. Local number 30H3. Okefenokee Rural Electrification Association. Drilled industrial artesian well in Ocala Limestone of late Eocene age, diam 6 in (15 cm), depth 650 ft (198 m), cased to 578 ft (176 m). Lsd 62 ft (19 m), previously reported 61 ft (19 m), above msl. MP top of 6-in (15-cm) casing, 1.08 ft (0.33 m) above lsd. Highest water level 13.77 ft (4.20 m) below lsd, May 11, 1965; lowest 23.12 ft (7.05 m) below lsd, Oct. 8, 1974. Records available: 1963-74. May 7, 1974, 22.72; Oct. 8, 23.12.

#### Bryan County

320906081303201. Local number 33R10. Bryan County Board of Education. Drilled unused (previously reported domestic) artesian well in Ocala Limestone of late Eocene age, diam 6 in (15 cm), depth 423 ft (129 m), cased to 318 ft (97 m). Lsd 66.50 ft (20.27 m) above msl. MP top of 6-in (15-cm) coupling, 1.50 ft (0.46 m) above lsd. Highest water level 19.53 ft (5.95 m) below lsd, Mar. 6, 1941; lowest 48.10 ft (14.66 m) below lsd, Dec. 20, 1974. Records available: 1941-74. Aug. 28, 1974, 47.80; Dec. 20, 48.10.

321407081264901. Local number 34R40. J. A. Davis. Eldora. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth about 400 ft (122 m), cased to 80 ft (24 m). Lsd 65.7 ft (20.0 m) above msl. MP top of casing, 0.90 ft (0.27 m) above lsd. Highest water level 19.85 ft (6.05 m) below lsd, Nov. 29, 1948; lowest 43.30 ft (13.20 m) below lsd, Dec. 20, 1974. Records available: 1942-74. Aug. 28, 1974, 43.10; Dec. 20, 43.30.



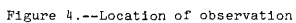
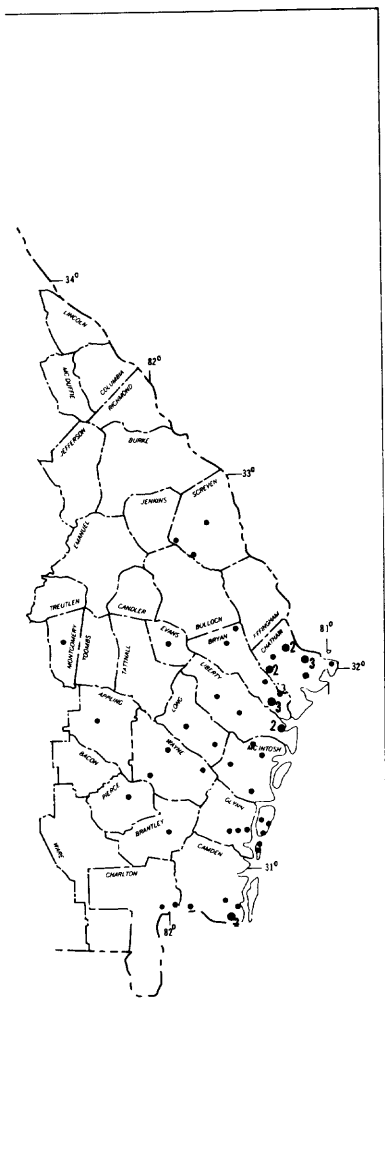


Figure 4.--Location of observation



wells in Georgia, 1974.

315022081161301. Local number 35N21. International Paper Co. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 500 ft (152 m), cased to 160 ft (49 m). Lsd 18 ft (5 m) above ms1. MP top of 4-in (10-cm) tee, 1.00 ft (0.30 m) above lsd. Highest water level 8.3 ft (2.5 m) above lsd, Mar. 25, 1941; lowest 21.85 ft (6.66 m) below lsd, June 12, 1974. Records available: 1941-74. Mar. 12, 1974, 19.85; June 12, 21.85; Oct. 25, 21.55; Dec. 20, 21.65.

314923081173001. Local number 35N27. Denmark & Shuman. Belfast. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 600 ft (183 m), cased to 120 ft (37 m). Lsd 16 ft (5 m), previously reported 17 ft (5 m), above ms1. MP top of 3-in (7.6-cm) cross, 0.70 ft (0.21 m) above lsd. Highest water level 8.03 ft (2.45 m) above lsd, Mar. 5, 1947; lowest 20.60 ft (6.28 m) below lsd, Oct. 25, 1974. Records available: 1942-74. Mar. 12, 1974, 18.85; June 12, 19.90; Oct. 25, 20.60; Dec. 20, 20.40.

315132081165501. Local number 35N35. International Paper Co. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 500 ft (152 m), cased to 160 ft (49 m). Lsd 23 ft (7 m), previously reported 10 ft (3 m), above ms1. MP top of 4-in (10-cm) tee, 0.68 ft (0.21 m) above lsd. Highest water level 5.65 ft (1.72 m) above lsd, Dec. 17, 1940; lowest 25.32 ft (7.72 m) below lsd, Dec. 20, 1974. Records available: 1940-47, 1949-74. Mar. 12, 1974, 23.52; June 12, 24.82; Oct. 25, 25.27; Dec. 20, 25.32.

315731081193401. Local number 35P71. Bud Casey. Richmond Hill. Drilled public-supply artesian well in Ocala Limestone of late Eocene age, diam 4 to 3 in (10 to 7.6 cm), depth 480 ft (146 m), cased to about 400 ft (122 m). Lsd 15 ft (5 m) above ms1. MP top of 4-in (10-cm) tee, 0.90 ft (0.27 m) above lsd. Highest water level 12.57 ft (3.83 m) above lsd, Dec. 17, 1940; lowest 18.70 ft (5.70 m) below lsd, June 12, Oct. 25, 1974. Records available: 1940-74. Mar. 12, 1974, 17.50; June 12, 18.70; Oct. 25, 18.70; Dec. 20, 17.10.

315326081115701. Local number 36P6. Georgia Dept. of Natural Resources, Parks Division. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 780 ft (238 m), cased to 152 ft (46 m). Lsd 15 ft (5 m) above ms1. MP top of casing, 1.85 ft (0.55 m) above lsd. Highest water level 0.67 ft (0.20 m) above lsd, June 23, 1943; lowest 31.15 ft (9.49 m) below lsd, Oct. 25, 1974. Records available: 1943-74. Mar. 12, 1974, 28.65; June 12, 30.15; Oct. 25, 31.15; Dec. 20, 29.50.

#### Camden County

304817081510801. Local number 31E5. Mrs. Oscar Silcox. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 433 ft (132 m), cased to 409 ft (125 m). Lsd 20 ft (6 m) above ms1. MP top of 3-in (7.6-cm) cross, at lsd. Highest water level 40.87 ft (12.46 m) above lsd, Dec. 7, 1947; lowest 21.01 ft (6.40 m) above lsd, Oct. 8, 1974. Records available: 1939, 1941-74. May 7, 1974, +22.03; Oct. 8, +21.01.

304348081324001. Local number 33D4. Edward Floyd. St. Marys. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 2 in (5.1 cm), depth 600 ft (183 m), cased to 400 ft (122 m). Lsd 10 ft (3 m) above ms1. MP top of 2-in (5.1-cm) tee, 1.10 ft (0.34 m) above lsd. Highest water level 19.10 ft (5.82 m) above lsd, July 17, 1952; lowest 24.00 ft (7.32 m) below lsd, May 12, 1971. Records available: 1952-74. May 7, 1974, 20.40; Oct. 8, 20.30.

304627081371201. Local number 33E4. Rayonier, Inc. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 1 in (2.5 cm), depth 474 ft (144 m), cased to 80 ft (24 m). Lsd 25 ft (8 m) above ms1. MP top of 4-in (10-cm) tee, 4.50 ft (1.37 m) above lsd. Highest water level 23.80 ft (7.25 m) above lsd, Nov. 15, 1938; lowest 10.10 ft (3.08 m) above lsd, Oct. 8, 1974. Records available: 1938, 1957-74. May 7, 1974, +10.15; Oct. 8, +10.10.

305045081310301. Local number 33E9. St. Marys American Legion Club. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 6 to 4 in (15 to 10 cm), depth 565 ft (172 m), cased to 250 ft (76 m). Lsd 8 ft (2 m) above ms1. MP top of faucet, 2.50 ft (0.76 m) above lsd. Highest water level 47.30 ft (14.42 m) above lsd, June 23, 1939; lowest 29.06 ft (8.86 m) above lsd, May 8, 1968. Records available: 1939, 1957-74. May 7, 1974, +29.52; Oct. 8, +29.86.

304800081310501 (revised). Local number 33E18. U.S. Government. At Kings Bay Club. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 525 ft (160 m), cased 11.20 ft (3.41 m) above ms1. MP top of 3-in (7.6-cm) cross, 1.50 ft (0.46 m) above lsd. Highest water level 49.27 ft (15.02 m) above lsd, June 23, 1939; lowest 20.25 ft (6.17 m) above lsd, May 7, 1974. Records available: 1939-47, 1949-74. May 7, 1974, +20.25; Oct. 8, +25.25.

#### Charlton County

304934082000201. Local number 29E6. Folkston Elementary and High School. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 650 ft (198 m), cased to 520 ft (159 m). Lsd 66 ft (20 m) above ms1. MP top of 4-in (10-cm) casing, 1.30 ft (0.40 m) above lsd. Highest water level 21.35 ft (6.51 m) below lsd, May 10, 1966; lowest 27.70 ft (8.44 m) below lsd, May 7, 1974. Records available: 1966-74. May 7, 1974, 27.70; Oct. 8, 27.30.

304936081542701. Local number 30E2. Lester Varn. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 300 ft (91 m), cased to 260 ft (79 m). Lsd 12 ft (4 m) above ms1. MP top of 4-in (10-cm) tee, 2.60 ft (0.79 m) above lsd. Highest water level 42.20 ft (12.86 m) above lsd, Nov. 3, 1939; lowest 29.27 ft (8.92 m) above lsd, May 13, 1970. Records available: 1939, 1958-74. May 7, 1974, +31.60; Oct. 8, +30.06.

Chatham County

315948081153601. Local number 35P85. State Highway Dept. Chevis Rd. and U.S. Highway 17. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 420 ft (128 m), cased to 120 ft (37 m). Lsd 15.55 ft (4.74 m) above msl. MP top of 3-in (7.6-cm) cross, 0.95 ft (0.29 m) above lsd. Highest water level 2.46 ft (0.75 m) above lsd, Nov. 27, 1940; lowest 32.95 ft (10.04 m) below lsd, July 23, Aug. 22, 1974. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1974	30.90	Apr. 24, 1974	30.90	July 23, 1974	32.95	Oct. 18, 1974	32.40
Feb. 21	30.55	May 28	32.30	Aug. 22	32.95	Nov. 21	32.65
Mar. 27	30.90	June 19	32.45	Sept. 24	32.35	Dec. 16	32.25

315950081161201. Local number 35P94. U.S. Dept. of Agriculture. Barbour Lathrop Plant Introduction Station. Dug observation water-table well in sediments of Pleistocene and Holocene age, diam 30 in (76 cm), depth 15 ft (5 m), cased with concrete pipe to 15 ft (5 m), Lsd 18.67 ft (5.69 m) above msl. MP iron bracket on recorder shelter, 3.30 ft (1.01 m) above lsd. Highest water level 0.05 ft (0.02 m) below lsd, Sept. 26, 1953; lowest 12.28 ft (3.74 m) below lsd, Nov. 30, 1972. Records available: 1942-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.81	9.65	8.61	8.94	9.28	6.75	5.95	6.95	4.94	5.25	8.47	9.56
10	....	9.48	....	8.79	9.49	6.68	5.75	5.10	3.39	....	8.71	9.66
15	8.93	9.31	9.05	8.74	8.79	7.08	6.43	4.02	3.94	6.70	8.93	9.72
20	9.12	8.64	9.10	8.76	8.56	7.49	7.15	4.45	4.06	7.35	9.09	9.67
25	9.34	8.48	9.23	8.91	7.75	7.80	7.63	4.40	4.38	7.79	9.26	9.43
Eom	9.46	8.52	8.95	9.05	7.61	6.90	....	4.99	4.73	8.22	9.35	9.47

320657081075701. Local number 36Q5. GAP Corp. Drilled industrial artesian well in Ocala Limestone of late Eocene age, diam 12 in (30 cm), depth 608 ft (185 m), cased to 234 ft (71 m). Lsd 11.33 ft (3.45 m) above msl. MP hole in pumpbase, 0.20 ft (0.06 m) above lsd. Highest water level 24.81 ft (7.56 m) below lsd, Oct. 11, 1939; lowest 118.20 ft (36.03 m) below lsd, Sept. 23, 1963. Records available: 1938-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1974	106.23	May 28, 1974	107.23	Aug. 27, 1974	107.53	Nov. 21, 1974	96.10
Feb. 22	103.83	June 17	110.33	Sept. 24	108.63	Dec. 16	99.30
Apr. 24	106.48	July 26	109.63	Oct. 21	97.66		

320459081075301. Local number 36Q11. Porter-Huggins, Inc. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 480 ft (146 m), cased to 160 ft (49 m). Lsd 16.37 ft (4.99 m) above msl. MP top of concrete pump foundation, 1.30 ft (0.40 m) above lsd. Highest water level 33.25 ft (10.13 m) below lsd, Oct. 11, 1939; lowest 123.30 ft (37.58 m) below lsd, Aug. 17, 1972. Records available: 1932, 1937-42, 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1974	116.35	June 19, 1974	123.00	Sept. 24, 1974	119.30	Nov. 21, 1974	118.45
Apr. 24	118.55	July 26	122.15	Oct. 21	120.00	Dec. 16	120.10
May 28	119.70	Aug. 27	117.10				

320137081132301. Local number 36Q19. State Highway Dept. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 540 ft (165 m), cased to 400 ft (122 m). Lsd 10.02 ft (3.05 m) above msl. MP top of casing, 2.54 ft (0.77 m) above lsd. Highest water level 1.81 ft (0.55 m) below lsd, Aug. 11, 1941; lowest 36.81 ft (11.22 m) below lsd, Aug. 22, 1974. Records available: 1941-47, 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1974	34.62	Apr. 24, 1974	34.31	July 23, 1974	35.76	Oct. 18, 1974	36.36
Feb. 21	34.11	May 28	35.96	Aug. 22	36.81	Nov. 21	36.76
Mar. 27	34.26	June 19	36.26	Sept. 24	36.26	Dec. 16	36.21

315826081030201. Local number 37P9. David Johnson. Isle of Hope. Drilled public-supply artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 521 ft (159 m), cased to 160 ft (49 m). Lsd 9.8 ft (3.0 m) above msl. MP hole in pumpbase, 1.50 ft (0.46 m) above lsd. Highest water level 9.51 ft (2.90 m) below lsd, Mar. 8, 1939; lowest 50.40 ft (15.36 m) below lsd, June 19, 1974. Records available: 1939-74. Apr. 24, 1974, 48.80; June 19, 50.40; Aug. 28, 50.10; Dec. 20, 48.70.

320603081070201. Local number 37Q6. Pierpont-Corbett Box Co. Lathrop Ave., Savannah. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 378 ft (115 m), cased to about 150 ft (46 m). Lsd 12.1 ft (3.7 m) above msl. MP top of 3-in (7.6-cm) casing, 1.00 ft (0.30 m) above lsd. Highest water level 53.26 ft (16.23 m) below lsd, May 8, 1939; lowest 146.20 ft (44.56 m) below lsd, Aug. 17, 1972. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 28, 1974	138.55	May 28, 1974	140.70	Aug. 27, 1974	140.00	Nov. 21, 1974	138.90
Feb. 22	137.00	June 19	143.20	Sept. 24	141.60	Dec. 16	144.30
Apr. 24	138.50	July 26	143.50	Oct. 21	140.80		

320443081023701. Local number 37Q17. Standard Oil Co. Drilled commercial artesian well in Ocala Limestone of late Eocene age, diam 10 in (25 cm), depth 652 ft (199 m), cased to 230 ft (70 m). Lsd 5.6 ft (1.7 m) above msl. MP hole in pumpbase, 0.50 ft (0.15 m) above lsd. Highest water level 20.75 ft (6.32 m) below lsd, Jan. 4, 1941; lowest 77.20 ft (23.53 m) below lsd, Sept. 24, 1974. Records available: 1940-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1974	70.80	May 28, 1974	74.30	Sept. 24, 1974	77.20	Nov. 21, 1974	74.65
Mar. 18	71.80	June 19	76.20	Oct. 21	74.70	Dec. 16	72.20
Apr. 24	72.20						

320016081000102. Local number 37Q46. Savannah Inn & Country Club. Wilmington Island. Drilled industrial artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 438 ft (134 m), cased to 248 ft (76 m). Lsd 15.1 ft (4.6 m) above msl. MP hole in pumpbase, 5.00 ft (1.52 m) below lsd. Highest water level 15.89 ft (4.84 m) below lsd, Jan. 18, 1941; lowest 53.20 ft (16.22 m) below lsd, Nov. 26, 1973. Records available: 1939-74. Water levels affected by pumping of nearby well. Aug. 28, 1974, 48.00.

320043080583701. Local number 38Q190. City of Savannah. Wilmington Island. Drilled public-supply artesian well in Ocala Limestone of late Eocene age, diam 10 in (25 cm), depth 471 ft (144 m), cased to 147 ft (45 m). Lsd 5.8 ft (1.8 m) above msl. MP hole in pumpbase, 3.50 ft (1.07 m) above lsd. Highest water level 29.10 ft (8.87 m) below lsd, Dec. 13, 1965; lowest 39.50 ft (12.04 m) below lsd, Dec. 20, 1974. Records available: 1962, 1965-74. Water levels affected by pumpage in the area. Aug. 28, 1974, 39.00; Dec. 20, 39.50.

#### Chattahoochee County

322036084590301. Local number 6S1. U.S. Army. Fort Benning. Drilled unused artesian well in Blufftown and Eutaw Formations and Tuscaloosa Group of Late Cretaceous age, diam 12 in (30 cm), depth 568 ft (173 m), screened 215-220 ft (66-67 m), 230-235 ft (70-72 m), 280-290 ft (85-88 m), 540-550 ft (165-168 m). Lsd 255 ft (78 m) above msl. MP floor of recorder shelter, 1.90 ft (0.58 m) above lsd. Highest water level 0.37 ft (0.11 m) above lsd, Apr. 10, 1964; lowest 29.73 ft (9.06 m) below lsd, Sept. 10, 1958. Records available: 1950-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.60	5.60	5.52	5.30	....	....	....	5.94	6.07	6.22	6.28	6.24
10	5.72	5.45	5.58	5.34	....	....	5.83	5.87	6.00	6.21	6.33	6.23
15	5.81	5.51	5.62	5.34	....	....	5.88	5.91	6.04	6.22	6.39	6.16
20	5.79	5.33	5.59	....	....	....	5.93	5.92	6.10	6.27	6.25	6.09
25	5.73	5.42	5.56	....	....	....	5.98	6.02	6.15	6.30	6.28	6.03
Eom	5.48	5.53	5.40	....	....	....	5.99	6.09	6.10	6.32	6.22	6.09

#### Clay County

313600085030001. Local number 5L1. U.S. Corps of Engineers. Drilled observation artesian well in Clayton Limestone of Paleocene age, diam 3 in (7.6 cm), depth 120 ft (37 m), cased to 44 ft (13 m). Lsd 146.7 ft (44.7 m) above msl. MP top of floor of recorder shelter, 2.70 ft (0.82 m) above lsd. Highest water level 18.40 ft (5.61 m) below lsd, Apr. 10, 1973; lowest 35.88 ft (10.94 m) below lsd, Aug. 17, 1963. Records available: 1957-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	....	....	29.53	30.02	30.77	30.89	31.62	31.51	30.59
10	....	....	....	....	....	29.53	30.08	30.43	30.58	31.24	32.01	31.06
15	27.80	....	....	....	....	30.03	30.26	30.49	31.22	31.25	31.45	31.76
20	30.08	....	....	....	29.01	29.72	30.78	30.23	31.09	31.84	31.51	30.59
25	....	....	....	....	29.21	30.19	30.58	31.10	31.16	31.45	31.58	30.72
Eom	....	....	....	....	29.11	30.53	30.76	31.12	31.27	31.47	31.87	30.01

#### Clayton County

333588084223801. Local number 10CC1. Mrs. G. H. Finley. Drilled unused water-table well in granite, diam 6 in (15 cm), depth 200 ft (61 m), cased to 200 ft (61 m). Lsd 932 ft (284 m) above msl. MP top of 5-in (13-cm) casing, 0.40 ft (0.12 m) above lsd. Highest water level 23.49 ft (7.16 m) below lsd, May 19, 1964; lowest 55.17 ft (16.82 m) below lsd, Dec. 23, 1948. Records available: 1943-54, 1956-74. May 10, 1974, 28.67; Oct. 10, 29.65.

#### Cobb County

335010084281801. Local number 10EE2. Mrs. Dot Gaines. Oakdale. Drilled domestic water-table well in biotite gneiss, diam 6 in (15 cm), depth 85 ft (26 m), cased to 40 ft (12 m). Lsd 858 ft (262 m) above msl. MP top of casing, 0.90 ft (0.27 m) above lsd. Highest water level 26.95 ft (8.21 m) below lsd, June 1, 1973; lowest 36.60 ft (11.16 m) below lsd, Dec. 10, 1956. Records available: 1943-54, 1956-74. May 10, 1974, 28.17; Oct. 18, 29.50.

335038084295301. Local number 10EE4. D. W. Cook. Oakdale. Drilled domestic water-table well in biotite gneiss, diam 6 in (15 cm), depth 109 ft (33 m), cased to 40 ft (12 m). Lsd 975 ft (297 m) above msl. MP top of casing, 0.80 ft (0.24 m) above lsd. Highest water level 51.09 ft (15.57 m) below lsd, June 1, 1973; lowest 59.14 ft (18.03 m) below lsd, May 14, 1958. Records available: 1943-54, 1956-74. May 10, 1974, 52.63; Oct. 18, 54.03.

Dawson County

342125084083301. Local number 13KK1. Lockheed. Drilled test water-table well in quartzite and mica schist, diam 6 in (15 cm), depth 399 ft (122 m), cased to 80 ft (24 m). Lsd 1,048.82 ft (319.68 m) above msl. MP floor of recorder shelter, 2.90 ft (0.88 m) above lsd. Highest water level 19.29 ft (5.88 m) below lsd, Apr. 8, 1964; lowest (revised), 30.67 ft (9.35 m) below lsd, Oct. 20, 1972. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	24.94	24.80	23.37	24.90	25.36	.....	27.00	26.97	27.85	28.21	27.95
10	.....	24.80	25.07	24.42	24.92	25.42	.....	26.94	27.10	27.92	28.27	27.45
15	.....	24.87	25.27	24.05	25.07	.....	.....	27.18	27.26	28.00	28.31	27.55
20	.....	24.57	25.37	24.57	25.23	.....	.....	26.87	27.51	28.05	28.00	27.56
25	.....	24.46	25.40	24.78	25.07	.....	26.85	27.08	27.61	28.10	28.12	27.05
Eom	24.65	24.58	25.07	25.05	25.18	.....	27.15	26.88	27.73	28.18	28.15	26.57

De Kalb County

334411084160801. Local number 11DD1. Crestfield Insurance Co. Glenwood and Candler Rds., Decatur. Drilled domestic water-table well in granite, diam 8 in (20 cm), depth 281 ft (86 m), cased to 35 ft (11 m). Lsd 923 ft (281 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 1.20 ft (0.37 m) below lsd, Oct. 17, 1968; lowest 15.15 ft (4.62 m) below lsd, Aug. 4, 1949. Records available: 1944-54, 1956-74. May 10, 1974, 1.42; Oct. 18, 1.63.

334458084152001. Local number 11DD2. C. R. Donaldson. Decatur. Drilled unused water-table well in gneiss, diam 6 in (15 cm), depth 82 ft (25 m), casing information not available. Lsd 986 ft (301 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 34.39 ft (10.48 m) below lsd, Feb. 26, 1946; lowest 41.46 ft (12.64 m) below lsd, Dec. 21, 1954. Records available: 1944-54, 1956-74. May 10, 1974, 37.89; Oct. 18, 39.75.

334444084154101. Local number 11DD3. Mrs. A. H. Daniel. Glenwood Rd. and Columbia Dr., Decatur. Drilled unused water-table well in gneiss, diam 6 in (15 cm), depth 111 ft (34 m), casing information not available. Lsd 1,002 ft (305 m) above msl. MP edge of concrete cover, 1.00 ft (0.30 m) above lsd. Highest water level 34.93 ft (10.65 m) below lsd, May 18, 1967; lowest 46.97 ft (14.32 m) below lsd, May 22, 1968. Records available: 1944-54, 1956-74. May 10, 1974, 37.00; Oct. 18, 38.33.

334216084163301. Local number 11DD4. Lawrence G. Mitchell. Candler and Flat Shoals Rds., Panthersville. Drilled unused water-table well in gneiss, diam 5 in (13 cm), depth 72 ft (22 m), casing information not available. Lsd 877 ft (267 m) above msl. MP top of casing, 1.90 ft (0.58 m) above lsd. Highest water level 37.99 ft (11.58 m) below lsd, Oct. 7, 1966; lowest 51.24 ft (15.62 m) below lsd, Dec. 21, 1954. Records available: 1944-54, 1956-74. May 10, 1974, 45.84; Oct. 18, 47.21.

Dougherty County

313552084062601. Local number 13L2. City of Albany. Drilled unused artesian municipal well in Clayton Limestone of Paleocene age, diam 12 to 8 in (30 to 20 cm), depth 760 ft (232 m), cased to 713 ft (217 m). Lsd 212.84 ft (64.87 m) above msl. MP floor of recorder shelter, 3.20 ft (0.98 m) above lsd. Highest water level 38.19 ft (11.64 m) below lsd, Apr. 1, 1959; lowest 108.77 ft (33.15 m) below lsd, Sept. 25, 1972. Records available: 1964-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	89.73	88.76	87.52	91.30	91.96	89.51	90.37	93.24	92.08	88.63	87.09
10	.....	89.93	89.15	86.87	91.40	91.41	88.36	90.53	91.83	90.88	88.74	86.78
15	89.18	89.14	89.87	85.79	90.97	90.49	89.70	91.03	90.91	91.28	88.18	87.49
20	89.43	88.49	88.90	86.64	90.87	90.33	91.94	91.21	92.77	90.85	87.51	87.89
25	89.75	89.07	88.53	87.23	91.24	90.30	91.65	91.47	93.36	89.23	88.67	86.94
Eom	89.90	88.97	87.73	89.20	91.14	90.51	90.70	93.93	92.50	88.40	87.74	85.47

313748084002901. Local number 13L3. U.S. Government. Marine Corps Supply Center. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 6 in (15 cm), depth 259 ft (79 m), cased to 206 ft (63 m). Lsd 225 ft (69 m) above msl. MP floor of recorder shelter, 4.10 ft (1.25 m) above lsd. Highest water level 17.52 ft (5.34 m) below lsd, Mar. 30, 1965; lowest 48.66 ft (14.83 m) below lsd, Sept. 9, 1957. Records available: 1964-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	26.40	26.85	25.70	28.05	29.75	31.27	32.55	32.29	33.77	34.85
10	.....	.....	26.77	24.55	26.40	28.35	30.05	31.42	32.20	32.50	33.97	35.05
15	.....	.....	27.29	24.07	26.69	28.50	30.45	31.63	31.78	32.75	34.29	35.15
20	.....	.....	27.55	24.27	26.98	28.70	30.85	31.85	31.82	33.07	34.37	35.30
25	.....	.....	27.90	24.71	27.21	28.95	31.17	32.05	31.95	32.20	34.53	35.00
Eom	.....	26.17	27.43	25.22	27.59	29.45	31.35	32.37	32.07	33.52	34.55	34.95

Evans County

320944081541101. Local number 30R1. City of Claxton. Drilled municipal artesian well in Ocala Limestone of late Eocene age, diam 12 in (30 cm), depth 701 ft (214 m), cased to 401 ft (122 m). Lsd 165 ft (50 m) above msl. MP top of hole in pumpbase, 0.80 ft (0.24 m) above lsd. Highest water level 115.35 ft (35.16 m) below lsd, Oct. 11, 1965; lowest 126.75 ft (38.63 m) below lsd, Oct. 8, 1974. Records available: 1963-74. May 6, 1974, 126.00; Oct. 8, 126.75.

Fulton County

334038084262001. Local number 10DD1. O'Neil Bros. East Point. Drilled unused water-table well in biotite gneiss, diam 10 in (25 cm), depth 298 ft (91 m), cased to 49 ft (15 m). Lsd 1,038 ft (316 m) above msl. MP hole in cap on casing, at lsd (since December 1973). Highest water level 12.85 ft (3.92 m) below lsd, Apr. 11, 1948; lowest 25.06 ft (7.64 m) below lsd, Feb. 10, 1944. Records available: 1943-74. Recording gage removed December 1973.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1974	19.30	Mar. 18, 1974	17.64	May 24, 1974	18.35	Sept. 26, 1974	19.36
17	19.02	26	17.89	June 20	18.55	Oct. 10	19.82
29	18.49	Apr. 17	17.85	July 30	19.35	28	20.17
Feb. 20	17.61	May 10	18.22	Aug. 21	19.02	Nov. 26	20.64

334724084293401. Local number 10EE1. E. S. Nix. Bolton. Drilled domestic water-table well in biotite gneiss, diam 8 in (20 cm), depth 84 ft (26 m), cased to 44 ft (13 m). Lsd 844 ft (257 m) above msl. MP top of casing, 4.80 ft (1.46 m) below lsd. Highest water level 16.65 ft (5.07 m) below lsd, May 5, 1956; lowest 28.25 ft (8.61 m) below lsd, Dec. 10, 1956. Records available: 1943-54, 1956-74. May 10, 1974, 20.21; Oct. 18, 23.43.

Glynn County

310901081341401. Local number 33H10. G. F. Cowman. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 414 ft (126 m), cased to 332 ft (101 m). Lsd 6.3 ft (1.9 m) above msl. MP top of 3-in (7.6-cm) cross, 1.30 ft (0.40 m) above lsd. Highest water level 36.5 ft (11.1 m) above lsd, Sept. 18, 1939; lowest 5.10 ft (1.55 m) above lsd, May 8, 1968. Records available: 1939-74. May 7, 1974, +6.65; Oct. 17, +9.35.

31127081302301. Local number 33H100. S. O. Jenkins. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 680 ft (207 m), cased to 525 ft (160 m). Lsd 12.44 ft (3.79 m) above msl. MP top of 3-in (7.6-cm) tee, 0.40 ft (0.12 m) above lsd. Highest water level 3.65 ft (1.11 m) above lsd, Oct. 21, 1960; lowest 16.95 ft (5.17 m) below lsd, May 13, 1970. Records available: 1958-74. May 7, 1974, 16.15; Oct. 16, 16.93.

310206081241701. Local number 34G11. State of Georgia. Drilled public-supply artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 774 ft (236 m), cased to 520 ft (159 m). Lsd 8 ft (2 m) above msl. MP center of gate valve, 2.00 ft (0.61 m) above lsd. Highest water level 31.49 ft (9.60 m) above lsd, May 11, 1960; lowest 19.69 ft (6.00 m) above lsd, Oct. 10, 1974. Records available: 1957-74. May 8, 1974, +20.41; Oct. 10, +19.69.

310658081250101. Local number 34G17. State of Georgia. Drilled public-supply artesian well in Ocala Limestone of late Eocene age, diam 8 in (20 cm), depth 774 ft (236 m), cased to 500 ft (152 m). Lsd 7 ft (2 m) above msl. MP center of gate valve, 2.30 ft (0.70 m) above lsd. Highest water level 34.45 ft (10.50 m) above lsd, May 11, 1960; lowest 18.86 ft (5.75 m) above lsd, Oct. 10, 1974. Records available: 1957-74. May 8, 1974, +19.19; Oct. 10, +18.86.

310906081284701. Local number 34H85. City of Brunswick. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 6 in (15 cm), depth 630 ft (192 m), cased to 514 ft (157 m). Lsd 6.5 ft (2.0 m) above msl. MP top of 6-in (15-cm) cross, 1.60 ft (0.49 m) above lsd. Highest water level 33.62 ft (10.25 m) above lsd, Jan. 12, 1939; lowest 7.20 ft (2.19 m) below lsd, May 8, 1974. Records available: 1939, 1958-74. May 8, 1974, 7.20; Oct. 10, 7.0.

310803081233701. Local number 34H205. U.S. Dept. of Commerce. At lighthouse on St. Simon Island. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 to 3 to 2 in (10 to 7.6 to 5.1 cm), depth 627 ft (191 m), cased to 500 ft (152 m). Lsd 13.5 ft (4.1 m) above msl. MP top of 4½-in (11-cm) tee, 2.00 ft (0.61 m) above lsd. Highest water level 36.63 ft (11.16 m) above lsd, Dec. 13, 1938; lowest 4.20 ft (1.28 m) above lsd, Oct. 10, 1974. Records available: 1938, 1940-74. May 8, 1974, +4.35; Oct. 10, +4.20.

311318081232901. Local number 34H328. U.S. Government. St. Simon Island. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 640 ft (195 m), cased to about 500 ft (152 m). Lsd 13.88 ft (4.23 m) above msl. MP top of 3-in (7.6-cm) cross, 1.70 ft (0.52 m) above lsd. Highest water level 36.0 ft (11.0 m) above lsd, Jan. 11, 1939; lowest 0.30 ft (0.09 m) below lsd, May 8, 1974. Records available: 1939, 1941-74. May 8, 1974, 0.30; Oct. 10, 0.00.

311049081212802. Local number 35H44. Sea Island Co. Gun Club on St. Simon Island. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 789 ft (240 m), cased to 603 ft (184 m). Lsd 7.3 ft (2.2 m) above msl. MP top of 3- x 2½-in (7.6- x 6.4-cm) bell reducer, 0.50 ft (0.15 m) above lsd. Highest water level 40.96 ft (12.48 m) above lsd, Jan. 11, 1939; lowest 9.31 ft (2.84 m) above lsd, Oct. 10, 1974. Records available: 1939-74. May 8, 1974, +9.87; Oct. 10, +9.31.

Liberty County

315059081352501. Local number 33N25. Mrs. H. A. Bacon. Hinesville. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 2 in (5.1 cm), depth 527 ft (161 m), cased to 400 ft (122 m). Lsd 44.62 ft (13.60 m) above msl. MP top of 2-in (5.1-cm) tee, 0.92 ft (0.28 m) above lsd. Highest water level 3.40 ft (1.04 m) above lsd, Apr. 26, 1939; lowest 28.98 ft (8.83 m) below lsd, Oct. 12, 1973. Records available: 1939-74. May 9, 1974, 25.78; Oct. 14, 26.18.

314758081262601. Local number 34N93. Bobby Sikes. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 580 ft (177 m), cased to 406 ft (124 m). Lsd 9.9 ft (3.0 m) above msl. MP top of 3-in (7.6-cm) tee, 0.95 ft (0.29 m) above lsd. Highest water level 0.80 ft (0.24 m) above lsd, Mar. 10, 1970; lowest 4.55 ft (1.39 m) below lsd, May 9, 1974. Records available: 1969-74. May 9, 1974, 4.55; Oct. 14, 4.45.

314356081142701. Local number 36M11. P. E. Youmans. On Colonels Island. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 490 ft (149 m), cased to 100 ft (30 m). Lsd 13 ft (4 m) above msl. MP top of 3-in (7.6-cm) cross, 1.70 ft (0.52 m) above lsd. Highest water level 12.35 ft (3.76 m) above lsd, Aug. 26, 1945; lowest 14.70 ft (4.48 m) below lsd, Oct. 14, 1974. Records available: 1942-74. May 9, 1974, 13.30; Oct. 14, 14.70.

314402081140802. Local number 36M18. Willard W. Caines. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 600 ft (183 m), cased to 420 ft (128 m). Lsd 10 ft (3 m) above msl. MP bottom edge of 4-in (10-cm) reducer, 0.40 ft (0.12 m) above lsd. Highest water level 5.40 ft (1.65 m) below lsd, Oct. 8, 1970; lowest 10.60 ft (3.23 m) below lsd, Oct. 14, 1974. Records available: 1969-74. May 9, 1974, 9.15; Oct. 14, 10.60.

Long County

314241081444501. Local number 32M1. Town of Ludowici. Drilled municipal artesian well in Ocala Limestone of late Eocene age, diam 8 to 6 in (20 to 15 cm), depth 579 ft (176 m), cased to 495 ft (151 m). Lsd 66 ft (20 m) above msl. MP hole in pumpbase, 2.70 ft (0.82 m) above lsd. Highest water level 9.29 ft (2.83 m) below lsd, Mar. 18, 1940; lowest 47.80 ft (14.57 m) below lsd, Oct. 9, 1974. Records available: 1940-47, 1949-74. Oct. 9, 1974, 47.80.

313844081361401. Local number 33M4. U.S. Geol. Survey Test Well. Drilled observation artesian well in Ocala Limestone of late Eocene age, diam 4 to 3 in (10 to 7.6 cm), depth 872 ft (266 m), cased to 538 ft (164 m). Lsd 51.2 ft (18.7 m) above msl. MP top of floor of recorder shelter, 3.50 ft (1.07 m) above lsd. Highest water level 32.32 ft (9.85 m) below lsd, Jan. 25, 1968; lowest 46.17 ft (14.07 m) below lsd, Dec. 14, 1974. Records available: 1968-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	43.49	44.60	44.85	45.03	44.65	45.47	46.07	43.28	44.70	45.57	45.63	.....
10	43.67	44.57	45.00	45.03	44.70	45.53	45.78	42.80	44.65	45.52	45.78	.....
15	44.95	44.55	45.34	44.15	44.83	45.62	45.93	43.40	44.78	45.57	45.97	46.00
20	44.05	44.60	45.00	44.10	45.07	45.80	46.08	43.95	44.96	45.65	45.85	46.08
25	44.32	44.80	45.30	44.30	45.12	45.65	45.45	44.35	45.13	45.70	.....	45.53
Eom	44.36	45.00	.....	44.62	45.27	46.00	44.10	44.75	45.15	45.75	.....	44.90

Lowndes County

304950083165501. Local number 19E9. City of Valdosta. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 20 in (51 cm), depth 342 ft (104 m), cased to 200 ft (61 m). Lsd 213 ft (65 m) above msl. MP top of 20-in (51-cm) casing, 1.70 ft (0.52 m) above lsd. Highest water level 112.69 ft (34.35 m) below lsd, Mar. 9, 1964; lowest 143.50 ft (43.74 m) below lsd, Oct. 31, 1968. Records available: 1957-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	129.37	127.85	125.88	124.78	126.28	129.17	127.92	129.73	129.78	126.67	133.19	132.07
10	129.05	125.79	126.20	124.44	127.07	127.41	129.52	129.89	128.28	127.85	132.83	131.24
15	129.03	124.69	126.15	126.03	127.08	127.78	131.16	130.26	126.45	128.20	133.42	129.77
20	127.88	124.98	125.69	.....	127.47	130.05	132.23	130.02	126.07	128.82	132.94	129.55
25	127.64	124.19	126.45	.....	127.43	129.05	133.32	129.63	126.75	131.28	131.64	127.59
Eom	127.97	125.38	126.15	.....	128.28	128.41	131.95	130.16	126.21	132.32	131.74	127.97

McIntosh County

313200081310001. Local number 33L10. Union Camp Corp. Townsend. Drilled unused artesian well in Ocala Limestone of late Eocene age, diam 6 in (15 cm), depth 532 ft (162 m), cased to 382 ft (116 m). Lsd 19.03 ft (5.80 m) above msl. MP top of 6-in (15-cm) casing, 0.69 ft (0.21 m) above lsd. Highest water level 25.20 ft (7.68 m) above lsd, Mar. 23, 1929; lowest 4.31 ft (1.31 m) below lsd, Oct. 14, 1974. Records available: 1939, 1959-74. May 9, 1974, 3.61; Oct. 14, 4.31.



313235081242701. Local number 34K30. Sam Bluestine. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 716 ft (238 m), cased to about 600 ft (183 m). Lsd 20 ft (6 m) above msl. MP bottom of 2-in (5.1-cm) nipple, 1.10 ft (0.34 m) above lsd. Highest water level 25.85 ft (7.88 m) above lsd, Apr. 28, 1939; lowest 5.50 ft (1.68 m) below lsd, Oct. 10, 1974. Records available: 1939-74. May 9, 1974, 5.25; Oct. 10, 5.50.

313531081244901. Local number 34L60. Union Camp Corp. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 760 ft (232 m), cased to 426 ft (130 m). Lsd 25 ft (8 m) above msl. MP bottom edge of 4- to 1½-in (10- to 3.8-cm) reducer, 0.30 ft (0.09 m) above lsd. Highest water level 12.82 ft (3.91 m) below lsd, Dec. 13, 1971; lowest 16.70 ft (5.09 m) below lsd, Oct. 10, 1974. Records available: 1971-74. Replaces well 34M1. Dec. 13, 1971, 12.82; Dec. 5, 1972, 14.85; Dec. 4, 1973, 15.64; May 9, 1974, 16.30; Oct. 10, 16.70.

313419081192601. Local number 35L68. Aurelia R. Mitchell. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 in (10 cm), depth 640 ft (195 m), cased to 485 ft (148 m). Lsd 18 ft (5 m) above msl. MP bottom of 4- to 2-in (10- to 5.1-cm) reducer, 1.10 ft (0.34 m) above lsd. Highest water level 5.80 ft (1.77 m) below lsd, May 9, 1974; lowest 6.90 ft (2.10 m) below lsd, Oct. 14, 1974. Records available: 1973-74. Replaces well 35L14. Dec. 1, 1973, 5.97; May 9, 1974, 5.80; Oct. 14, 6.90.

#### Miller County

31101608435401. Local number 8H2. City of Colquitt. Drilled unused artesian well in Clayton Limestone of Paleocene age, diam 8 in (20 cm), depth 1,935 ft (590 m), cased to 785 ft (239 m). Lsd 350 ft (107 m) above msl. MP top of 8-in (20-cm) casing, 1.00 ft (0.30 m) above lsd. Highest water level 28.40 ft (8.66 m) below lsd, Mar. 1, 1965; lowest 37.10 ft (11.31 m) below lsd, Dec. 27, 1974. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	36.11	35.71	34.82	34.01	34.31	34.69	35.25	35.63	35.88	36.11	36.47	36.97
10	36.15	35.21	34.79	34.37	34.36	34.56	35.30	35.65	35.77	36.05	36.63	37.01
15	36.10	35.21	34.74	34.25	34.41	34.63	35.47	35.73	35.82	36.19	36.75	36.80
20	35.95	34.89	34.58	34.33	34.47	34.88	35.68	35.76	35.87	36.22	36.56	36.87
25	35.90	34.97	34.55	34.32	34.52	34.44	35.55	35.80	35.94	36.41	36.79	37.04
Eom	35.65	35.04	34.45	34.41	34.66	35.17	35.64	35.65	35.93	36.48	36.75	37.09

#### Montgomery County

321109082342401. Local number 25R1. City of Ailey. Drilled municipal artesian well in Ocala Limestone of late Eocene age, diam 6 to 4 in (15 to 10 cm), depth 403 ft (123 m), cased to 345 ft (105 m). Lsd 255 ft (78 m) above msl. MP hole in pumpbase, 1.60 ft (0.49 m) above lsd. Highest water level 104.60 ft (31.88 m) below lsd, June 15, 1943; lowest 120.70 ft (36.79 m) below lsd, Oct. 11, 1972. Records available: 1941-43, 1945-46, 1949-51, 1953-74. May 6, 1974, 119.95; Oct. 8, 118.40.

#### Pierce County

312355082084201. Local number 28K1. J. O. Echols. Drilled irrigation artesian well in Ocala Limestone of late Eocene age, diam 10 in (25 cm), depth 710 ft (216 m), cased to 517 ft (158 m). Lsd about 105 ft (32 m) above msl. MP top of hole in pumpbase, 1.40 ft (0.43 m) above lsd. Highest water level 46.35 ft (14.13 m) below lsd, Oct. 13, 1964; lowest 54.80 ft (16.70 m) below lsd, Oct. 8, 1974. Records available: 1963-74. May 7, 1974, 53.80; Oct. 8, 54.80.

#### Screven County

323935081494301. Local number 31V17. Pat H. Johnston. Rocky Ford. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 249 ft (76 m), cased to 160 ft (49 m). Lsd 129 ft (39 m) above msl. MP top of 3-in (7.6-cm) elbow, 2.90 ft (0.88 m) above lsd. Highest water level 8.74 ft (2.66 m) above lsd, May 10, 1965; lowest 5.30 ft (1.62 m) above lsd, Oct. 24, 1968. Records available: 1963-74. May 3, 1974, +7.10; Oct. 8, +6.10.

323438081424901. Local number 32U16. W. W. Wyant. Dover. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 3 in (7.6 cm), depth 255 ft (78 m), cased to 90 ft (27 m). Lsd 103 ft (31 m) above msl. MP top of 2-in (5.1-cm) valve, 2.00 ft (0.61 m) above lsd. Highest water level 18.30 ft (5.58 m) above lsd, July 14, 1952; lowest 9.80 ft (2.99 m) above lsd, Oct. 11, 1972. Records available: 1939, 1943, 1945-46, 1949-74. May 3, 1974, +11.00; Oct. 8, +11.71.

324508081384701. Local number 32W14. City of Sylvania No. 3. Drilled municipal artesian well in Ocala Limestone of late Eocene age, diam 17 to 12 in (43 to 30 cm), depth 490 ft (149 m), cased to 125 ft (38 m). Lsd 202 ft (62 m) above msl. MP hole in pumpbase, 1.30 ft (0.40 m) above lsd. Highest water level 90.80 ft (27.68 m) below lsd, May 3, 1974; lowest 91.30 ft (27.83 m) below lsd, Oct. 8, 1974. Records available: 1974. Replaces well 32W13. May 3, 1974, 90.80; Oct. 8, 91.30.

Spalding County

331507084171801. Local number 11A41. State Experiment Station. Dug unused water-table well in residuum, size 4 x 4 ft (1 x 1 m), depth 30 ft (9 m), casing information not available. Lsd 960 ft (293 m) above msl. MP hole in floor of recorder shelter, 3.10 ft (0.94 m) above lsd. Highest water level 8.26 ft (2.52 m) below lsd, Mar. 19, 1948; lowest 21.08 ft (6.43 m) below lsd, Dec. 8, 1943. Records available: 1943-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.20	13.59	11.75	12.84	12.87	13.96	13.57	.....	.....	.....	18.27	18.78
10	15.45	12.96	12.08	12.75	13.14	.....	13.78	.....	.....	17.29	18.35	18.38
15	15.03	.....	12.20	12.74	13.37	.....	13.98	.....	.....	17.50	18.34	18.43
20	14.83	.....	12.53	.....	13.60	12.67	14.25	.....	.....	17.52	18.34	18.34
25	14.61	11.47	.....	.....	13.70	12.89	.....	.....	.....	17.88	.....	17.64
Eom	13.92	11.54	12.95	12.73	13.84	13.29	.....	.....	.....	18.09	.....	16.54

Tift County

312716083334801. Local number 17K1. Seaboard Coast Line RR. Drilled unused artesian well in Suwannee Limestone of late Oligocene age, diam 12 in (30 cm), depth 312 ft (95 m), casing depth unknown. Lsd 345 ft (105 m) above msl. MP floor of recorder shelter, 3.42 ft (1.04 m) above lsd. Highest water level 119.80 ft (36.52 m) below lsd, May 29, 1966; lowest 130.00 ft (39.62 m) below lsd, July 8, 1969. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	128.95	128.68	128.13	127.70	127.81	127.97	127.80	127.98	128.12	128.05	.....	.....
10	129.47	128.29	128.08	127.86	128.16	127.63	128.23	128.06	128.10	128.10	.....	128.42
15	128.98	128.35	128.38	127.44	127.86	127.73	128.23	128.30	127.78	128.03	.....	128.00
20	128.48	128.11	128.02	127.73	127.84	128.14	128.27	128.13	128.07	127.80	.....	128.12
25	128.87	128.15	127.98	127.90	127.90	127.69	128.35	128.08	127.95	128.19	.....	127.99
Eom	128.62	128.40	127.44	128.15	128.12	127.82	128.20	128.16	127.75	128.29	.....	128.13

Wayne County

312909082011101. Local number 29K1. Town of Screven. Drilled municipal artesian well in Ocala Limestone of late Eocene age, diam 8 to 6 in (20 to 15 cm), depth 931 ft (284 m), cased to 572 ft (174 m). Lsd 123 ft (37 m) above msl. MP hole in pumpbase, 1.20 ft (0.37 m) above lsd. Highest water level 55.43 ft (16.90 m) below lsd, Dec. 8, 1947; lowest 77.00 ft (23.47 m) below lsd, Oct. 8, 1974. Records available: 1940-43, 1945-74. May 7, 1974, 74.30; Oct. 8, 77.00.

313944081550001. Local number 30M3. Robert Harrison. Drilled irrigation artesian well in Ocala Limestone of late Eocene age, diam 6 to 4 in (15 to 10 cm), depth 620 ft (189 m), cased to 503 ft (153 m). Lsd 110 ft (34 m) above msl. MP top of cap on 6-in (15-cm) casing, 0.70 ft (0.21 m) above lsd. Highest water level 69.70 ft (21.24 m) below lsd, May 10, 1965; lowest 86.00 ft (26.21 m) below lsd, Oct. 8, 1974. Records available: 1963-74. May 6, 1974, 84.40; Oct. 8, 86.00.

313016081412101. Local number 32L4. Lennis and Melvin Martin. Drilled domestic artesian well in Ocala Limestone of late Eocene age, diam 4 to 3 in (10 to 7.6 cm), depth 700 ft (213 m), cased to 546 ft (166 m). Lsd 40 ft (12 m) above msl. MP top of 4-in (10-cm) seal on 4-in (10-cm) casing, 0.90 ft (0.27 m) above lsd. Highest water level 11.93 ft (3.64 m) below lsd, Dec. 10, 1971; lowest 17.30 ft (5.27 m) below lsd, Oct. 9, 1974. Records available: 1971-74. Replaces well 31L4. Dec. 10, 1971, 11.93; Nov. 27, 1972, 16.67; Nov. 26, 1973, 16.35; May 6, 1974, 16.35; Oct. 9, 17.30.

# KENTUCKY

The observation-well program in Kentucky was operated in cooperation with the Kentucky Geological Survey, University of Kentucky. Figure 5 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1.

## Well Descriptions and Water-Level Measurements

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

### Bell County

363749083430701. George Crutchfield. Middlesboro. Drilled unused water-table well in shale and sandstone of Breathitt Formation of Early and Middle Pennsylvanian age, diam 6 in (15 cm), depth 39 ft (12 m), length of casing unknown. Lsd about 1,130 ft (344 m) above msl. MP top of coupling, 2.50 ft (0.76 m) above lsd. Highest water level 4.60 ft (1.40 m) below lsd, Nov. 27, 1973; lowest 14.34 ft (4.37 m) below lsd, Nov. 20, 1965. Records available: 1964-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.37	5.68	7.13	5.41	6.86	6.62	9.34	11.19	9.62	8.13	8.41	6.07
10	4.85	5.94	6.73	6.28	7.35	7.05	9.78	11.53	9.31	8.68	8.40	6.04
15	5.83	6.15	7.14	6.94	6.47	7.85	10.08	11.85	7.38	9.06	7.40	6.63
20	6.55	5.91	5.81	7.43	6.70	7.84	10.49	12.17	8.19	7.37	6.04	6.77
25	5.34	5.87	6.01	7.60	6.07	8.43	10.75	12.07	7.84	8.04	e6.90	7.34
Eom	5.61	6.43	6.21	8.04	5.27	8.84	11.27	11.44	7.45	8.59	7.35	5.85

e Estimated.

364326083383101. U.S. Tennessee Valley Authority. Morristown. Well located 200 ft (61 m) north of U.S. Highway 119, 4 mi (6 km) southeast of Pineville. Drilled unused artesian well in sandstone and shale of Lee Formation of Late Mississippian and Early Pennsylvanian age, diam 6 in (15 cm), depth 92 ft (28 m), length of casing unknown. Lsd about 1,040 ft (317 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 13.47 ft (4.11 m) below lsd, Jan. 1, 1970; lowest 33.73 ft (10.28 m) below lsd, Oct. 17, 1969. Records available: 1965-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	j26.93	j28.20	j30.22	j26.00	j29.34	j28.40	e31.50	j31.49	j31.49	j32.21	j32.10	j29.91
10	j27.40	j28.42	j29.49	j28.50	j30.03	j30.34	e31.80	j31.68	j31.68	j32.34	j31.68	j29.38
15	j27.42	j29.48	j29.25	j24.43	j28.75	j31.03	e32.00	j31.30	j31.30	j31.75	j31.00	j30.08
20	j29.12	j29.24	j28.39	j30.06	j30.17	j31.35	e32.25	j31.85	j31.85	j31.53	j29.55	j30.49
25	j28.45	j28.50	j27.95	j29.59	j30.41	j30.80	j32.24	j32.24	j31.96	j31.94	j29.85	j30.77
Eom	j27.70	j29.60	j29.31	j30.28	j28.57	j31.34	j31.64	j31.64	j31.97	j32.20	j30.93	j28.65

e Estimated.

j Affected by atmospheric pressure.

### Breckinridge County

374807086200001. Odie Dickerson. Irvington. Drilled unused artesian well in limestone and sandstone of Late Mississippian age, diam 6 in (15 cm), depth 183 ft (56 m), cased to 10 ft (3 m). Lsd about 825 ft (251 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 145.68 ft (44.40 m) below lsd, July 9, 1967; lowest 181.40 ft (55.29 m) below lsd, June 8, 1967. Records available: 1967-74.

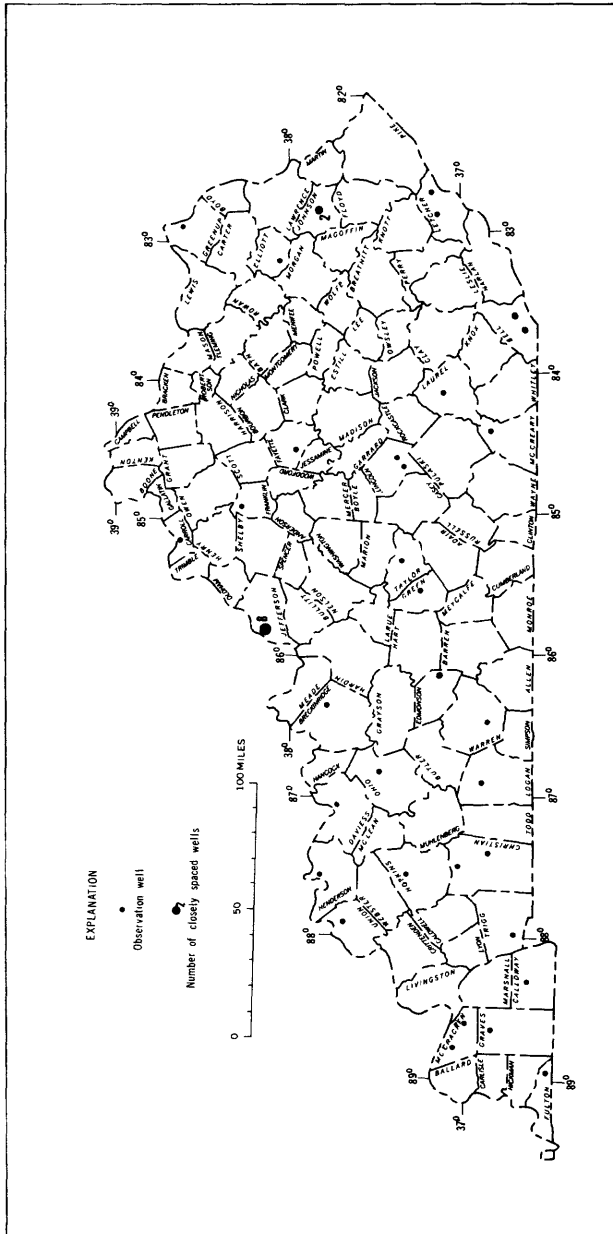


Figure 5.--Location of observation wells in Kentucky, 1974.

374807086200001--Continued.

Water level at noon, from recorder graph, 1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	148.41	148.61	.....	148.07	148.32	.....	148.11	148.13	148.10	148.22	148.14	148.20
10	148.34	148.48	.....	148.22	148.34	148.24	148.11	148.07	148.11	148.21	148.07	148.17
15	148.45	148.51	.....	148.30	148.35	148.41	148.10	148.14	148.11	148.18	148.18	148.18
20	148.31	149.28	148.19	148.92	148.34	148.22	148.14	148.13	148.07	148.28	148.12	148.15
25	148.40	149.31	148.28	148.44	148.34	148.18	148.08	148.09	148.12	148.16	148.22	148.13
Eom	148.25	.....	148.05	148.36	148.25	148.12	148.14	148.12	148.22	148.13	148.11	148.10

e Estimated.

Calloway County

363634088191601. Joe Parks. 15th and Main Sts., Murray. Drilled unused artesian well in sand of McNairy Formation of Late Cretaceous age, diam 12 in (30 cm), depth 345 ft (105 m), screened 290-328 ft (88-100 m), 330-334 ft (101-102 m). Lsd 548.97 ft (167.33 m) above msl. MP base of recorder shelter, 2.56 ft (0.78 m) above lsd. Highest water level 123.23 ft (37.56 m) below lsd, Mar. 3, 1953; lowest 130.09 ft (39.65 m) below lsd, Aug. 8, 1969. Records available: 1948-74.

Water level at noon, from recorder graph, 1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	127.53	127.73	127.66	127.67	127.57	127.44	127.84	127.92	127.96	128.01	127.68	127.44
10	127.51	127.62	127.66	127.81	127.58	127.17	128.02	128.01	127.94	128.14	127.54	127.36
15	127.77	127.86	127.73	127.52	127.47	127.46	127.83	127.86	127.98	127.85	127.77	127.14
20	127.66	127.57	127.58	127.76	127.53	127.59	128.88	127.89	128.08	127.92	127.50	126.98
25	127.95	127.62	127.44	127.81	127.63	127.56	128.45	127.93	127.94	128.10	127.47	126.80
Eom	127.92	127.75	127.30	127.83	127.54	127.67	128.33	128.23	127.70	127.89	127.12	126.68

c Nearby well being pumped.

Carroll County

384043085111301. Schenley Distillers, Inc. Carrollton. Drilled unused water-table well in sand and gravel of Quaternary age, diam 8 in (20 cm), depth 110 ft (34 m), screened 96-110 ft (29-34 m). Lsd about 455 ft (139 m) above msl. MP top of casing, 3.40 ft (1.04 m) above lsd. Highest water level 9.00 ft (2.74 m) below lsd, Mar. 10, 1955; lowest 38.31 ft (11.68 m) below lsd, Dec. 19, 1960. Records available: 1951-74.

Water level at noon, from recorder graph, 1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.90	24.88	27.70	20.10	29.96	20.97	28.90	34.60	29.02	34.94	35.39	28.41
10	30.33	26.07	24.88	17.50	31.22	29.44	32.07	34.75	32.23	35.87	35.04	28.00
15	15.05	28.65	19.50	21.30	25.35	32.31	33.16	34.37	31.63	35.46	34.22	27.67
20	20.99	29.21	.....	25.85	25.71	32.30	33.65	35.10	34.15	34.70	34.24	27.25
25	20.45	27.65	.....	28.82	28.48	25.20	34.22	35.50	34.10	35.23	32.38	29.47
Eom	19.70	27.60	25.40	30.30	27.95	28.15	34.30	31.99	34.65	35.63	31.35	25.76

e Estimated.

Christian County

365142087270401. Western State Hospital. Hopkinsville. Drilled unused water-table well in Ste. Genevieve Limestone of Late Mississippian age, diam 8 in (20 cm), depth 85 ft (26 m), cased to 10 ft (3 m). Lsd about 550 ft (168 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 2.26 ft (0.69 m) below lsd, Feb. 22, 1961; lowest 25.01 ft (7.62 m) below lsd, Sept. 25, 1970. Records available: 1950-74.

Water level at noon, from recorder graph, 1974												
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e4.20	12.01	13.83	12.12	14.69	14.90	16.81	17.80	12.18	13.20	16.27	12.25
10	e6.00	12.17	12.41	12.32	12.42	12.70	16.10	12.32	11.89	15.26	16.60	12.25
15	e9.00	13.31	12.33	12.74	13.40	14.98	16.80	11.90	12.41	14.24	16.70	12.25
20	11.92	13.71	12.24	14.30	15.11	16.00	13.80	12.11	14.20	14.23	15.75	12.40
25	12.20	12.25	12.31	12.40	15.48	16.45	16.30	14.71	e13.08	15.31	15.74	11.80
Eom	11.95	12.41	12.37	13.59	16.05	16.72	16.05	11.88	12.32	15.80	15.81	11.85

e Estimated.

370733087291201. Williams Coal Co. Mannington. Drilled unused artesian well in Tradewater Formation of Middle Pennsylvanian age, diam 6 in (15 cm), depth 95 ft (29 m), length of casing unknown. Lsd about 425 ft (130 m) above msl. MP top of casing, 5.00 ft (1.52 m) above lsd. Highest water level 0.38 ft (0.12 m) below lsd, Mar. 22, 1952; lowest 14.88 ft (4.54 m) below lsd, Jan. 13, 1954. Records available: 1952-74.

370733087291201--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.32	4.63	4.64	3.20	3.05	3.05	3.75	4.15	3.19	3.03	2.56	2.27
10	4.55	4.73	3.13	2.65	2.58	2.50	4.05	3.70	3.28	3.06	2.68	2.63
15	5.10	4.76	3.18	2.19	2.75	2.75	4.45	3.75	3.37	2.68	2.80	2.13
20	4.74	4.78	2.75	3.10	3.18	3.26	4.30	3.95	3.50	2.77	2.42	2.29
25	4.73	4.76	2.67	2.55	2.72	4.00	4.15	4.85	3.25	2.83	2.59	2.13
Eom	4.61	4.67	3.15	2.65	2.70	3.80	3.42	3.80	2.90	2.84	2.50	2.85

Davies County

374638087054101. Owensboro Municipal Utilities. Owensboro. Drilled unused water-table well in sand and gravel of Quaternary age, diam 12 in (30 cm), depth 104 ft (32 m), screened 74-104 ft (23-32 m). Lsd about 405 ft (123 m) above msl. MP floor of recorder shelter, 4.33 ft (1.32 m) above lsd. Highest water level 23.09 ft (7.04 m) below lsd, Mar. 15, 1964; lowest 63.21 ft (19.27 m) below lsd, Sept. 17, 1970. Records available: 1951-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	d40.79	c46.40	c54.35	d43.60	d54.20	d48.20	d52.86	c55.80	d52.20	c54.75	c53.43	d45.20
10	c42.90	c49.19	c45.90	d39.50	c54.80	c51.70	c54.18	d55.40	c53.50	c54.25	d50.30	c51.90
15	d39.00	c54.15	c43.91	c39.40	d54.80	d53.50	c55.18	c56.82	c51.60	c54.22	c55.80	d49.00
20	d35.40	c54.47	c42.20	d50.20	c52.00	c57.00	c56.00	c58.00	c55.08	c52.90	c54.20	c52.71
25	d39.61	c53.91	d42.40	c56.40	d53.23	d50.50	c55.00	d56.50	c55.79	d52.75	c50.30	d54.00
Eom	d39.55	c51.45	c44.50	c57.77	c56.88	c47.40	c58.00	d52.40	c55.30	c54.00	c49.00	d47.20

c Nearby well being pumped.

d Nearby well pumped recently.

Edmonson County

370923086041601. U.S. National Park Service. Mammoth Cave National Park, Mt. McKinley test well No. 2. Drilled unused artesian well in Ste. Genevieve Limestone of Late Mississippian age, diam 10 in (25 cm), depth 491 ft (150 m), cased to 23 ft (7 m). Lsd about 860 ft (262 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 417.61 ft (127.29 m) below lsd, Jan. 14, 1974; lowest 441.51 ft (134.57 m) below lsd, July 13, 1966. Records available: 1965-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	j426.20	j423.80	e426.10	j426.78	j428.55	j426.19	j431.28	j430.49	j432.20	j428.60	j430.27	j428.00
10	j425.40	j423.98	e427.00	j426.00	j428.80	j426.52	j431.31	j430.44	j432.40	j428.57	j430.25	j427.66
15	j428.10	j424.30	e428.00	j426.41	j429.11	j426.76	j431.37	j430.19	j431.73	j429.04	j430.01	j427.80
20	j424.77	j424.90	e429.00	j428.78	c430.78	j429.33	j431.21	j430.33	j431.83	j429.66	j429.30	j428.10
25	j423.48	e425.20	j429.60	d428.74	j428.18	j430.19	j431.45	j430.40	e428.13	j430.00	j428.60	j428.25
Eom	j423.50	e425.50	j429.30	j428.71	e429.79	j430.89	j430.51	j430.05	j428.20	j430.20	j428.58	j426.89

c Nearby well being pumped.

d Nearby well pumped recently.

e Estimated.

j Affected by atmospheric pressure.

Elliott County

380425083091901. Roy Adkins. Sandy Hook. Drilled unused water-table well in rocks of Pennsylvanian age, diam 6 in (15 cm), depth 70 ft (21 m), length of casing unknown. Lsd about 780 ft (238 m) above msl. MP base of recorder shelter, 3.55 ft (1.08 m) above lsd. Highest water level 11.50 ft (3.51 m) below lsd, July 18, 1971; lowest 46.35 ft (14.13 m) below lsd, Dec. 17, 1953. Records available: 1952-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.86	20.08	21.45	.....	21.73	18.92	.....	.....	18.46	21.93	22.20	19.30
10	13.08	20.80	19.85	.....	21.88	19.49	.....	.....	18.40	21.82	22.91	19.37
15	19.53	21.28	19.08	.....	19.96	20.20	.....	.....	18.96	22.04	22.11	20.16
20	.....	21.71	19.31	.....	19.17	e20.40	.....	22.36	e20.10	21.58	22.00	20.34
25	20.42	21.39	.....	21.31	19.19	.....	.....	22.46	20.55	21.83	20.47	20.67
Eom	19.30	21.24	.....	21.58	17.74	.....	.....	19.51	21.47	22.07	21.35	19.48

e Estimated.

Fayette County

375928084362001. M. A. Kehrt. Lexington. Drilled unused water-table well in Lexington Limestone of Middle and Late Ordovician age, diam 6 in (15 cm), depth 132 ft (40 m), cased to 15 ft (5 m). Lsd about 940 ft (287 m) above msl. MP base of recorder shelter, 1.90 ft (0.58 m) above lsd. Highest water level 0.67 ft (0.20 m) below lsd, Jan. 11, 1974; lowest 48.56 ft (14.80 m) below lsd, Mar. 12, 1954. Records available: 1954-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.69	10.45	11.91	7.15	12.57	8.05	11.60	12.64	.....	2.51	12.65	8.30
10	1.40	12.11	7.50	8.31	12.63	11.89	12.46	12.67	.....	12.61	12.68	8.01
15	....	12.37	7.23	11.30	12.71	12.48	11.28	8.50	.....	2.54	12.37	10.55
20	....	12.26	7.96	12.38	12.83	12.64	11.52	12.29	.....	12.58	11.65	10.09
25	8.05	9.88	9.40	12.58	12.75	10.15	12.34	12.48	.....	12.64	.....	9.45
Eom	7.32	11.10	10.43	12.62	11.10	7.88	12.64	.....	12.32	12.77	12.62	8.44

Franklin County

381628084575801. Alvin Rodgers. Bagdad. Dug unused water-table well in shale and limestone of Clays Ferry Formation of Middle and Late Ordovician age, diam 36 in (91 cm), depth 22 ft (7 m), shored. Lsd about 880 ft (268 m) above msl. MP top of concrete well cover at base of recorder shelter, 0.50 ft (0.15 m) above lsd. Highest water level 7.25 ft (2.21 m) below lsd, Apr. 15, 1972; lowest 19.75 ft (6.02 m) below lsd, Nov. 20, 1953. Records available: 1953-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.32	11.86	11.91	9.88	12.30	13.10	13.43	13.85	13.21	14.20	15.18	14.70
10	13.60	12.13	e10.50	10.00	12.48	e13.00	13.05	13.96	13.22	14.39	15.30	13.97
15	13.35	12.20	10.24	10.58	12.75	12.96	13.05	13.76	12.93	14.57	15.28	13.53
20	12.96	12.28	10.00	11.55	13.21	13.25	13.20	14.05	13.14	14.65	15.29	13.09
25	12.38	11.99	10.38	11.90	13.22	13.24	13.45	14.34	13.57	14.35	15.28	12.99
Eom	11.64	11.33	10.35	12.20	13.24	13.26	13.87	13.57	13.90	15.07	15.23	12.27

e Estimated.

Fulton County

363024088521701. Fulton Water Works. Norman and Water Sts., Fulton. Drilled unused artesian well in sand of Eocene age, diam 8 in (20 cm), depth 130 ft (40 m), length of casing unknown. Lsd 363.24 ft (110.72 m) above msl. MP base of recorder shelter, 2.00 ft (0.61 m) above lsd. Highest water level 2.28 ft (0.69 m) below lsd, May 27, 1973; lowest 13.58 ft (4.14 m) below lsd, Nov. 21, 1947. Records available: 1945, 1947, 1950-74. Measurement discontinued Oct. 18, 1974. Water levels affected by pumping of nearby well. May 20, 1974, 2.40; Oct. 18, 3.27.

Graves County

365210088391301. J. Whittemore. Near Viola. Drilled unused artesian well in sand of Eocene age, diam 10 in (25 cm), depth 105 ft (32 m), screened 85-105 ft (26-32 m). Lsd 405.65 ft (123.64 m) above msl. MP top of concrete flue block, 5.04 ft (1.54 m) above lsd. Highest water level 11.26 ft (3.43 m) below lsd, Apr. 25, 1973; lowest 19.24 ft (5.86 m) below lsd, Jan. 10, 1957. Records available: 1951-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.08	12.84	13.21	12.86	12.63	13.32	13.82	14.62	15.14	15.43	15.30	15.35
10	13.49	13.06	13.31	13.01	12.63	.....	13.95	14.62	15.10	15.36	15.22	15.18
15	13.07	13.36	12.69	13.05	12.68	.....	14.06	14.87	15.24	15.41	15.54	14.79
20	12.64	13.40	12.60	13.22	12.99	13.52	14.33	14.92	15.18	15.53	15.24	14.95
25	13.02	13.30	12.94	12.90	13.15	13.27	14.37	14.99	15.18	15.38	15.56	15.23
Eom	12.58	13.13	12.50	12.69	13.14	13.62	14.64	14.98	15.40	15.30	15.07	14.55

Green County

371555085314601. Paul Gardner. Greensburg. Drilled unused water-table well in Fort Wayne Formation of Early Mississippian age, diam 6 in (15 cm), depth 25 ft (8 m), cased to 10 ft (3 m). Lsd about 630 ft (192 m) above msl. MP base of recorder shelter, 3.50 ft (1.07 m) above lsd. Highest water level 7.27 ft (2.22 m) below lsd, Feb. 27, 1962; lowest 22.44 ft (6.84 m) below lsd, Nov. 18, 1963. Records available: 1958-74.

371555085314601--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	15.15	17.71	18.05	16.25	18.40	17.60	19.65	19.50	17.05	17.99	20.10	17.50
10	10.90	17.71	17.96	17.08	18.65	17.65	19.77	20.11	17.25	18.24	20.30	17.45
15	17.30	17.80	18.09	17.80	19.40	16.95	20.14	19.50	17.22	18.85	19.37	17.90
20	15.35	17.55	15.35	18.03	19.54	18.14	20.17	18.60	18.06	19.26	19.00	17.68
25	17.59	17.62	17.55	18.15	18.25	18.50	20.23	19.98	e18.10	19.82	18.06	13.79
Eom	17.54	17.82	17.75	18.44	14.30	18.90	20.38	17.00	16.90	19.56	18.50	15.90

e Estimated.

Greenup County

383854082515501. U.S. Army Corps of Engineers. Huntington, West Virginia. Well located on a fill area about 1,000 ft (305 m) south of Greenup Locks and Dam. Drilled unused water-table well in glacial sand and gravel of Quaternary age, diam 6 in (15 cm), depth 77 ft (23 m), screened. Lsd about 547 ft (167 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 37.91 ft (11.55 m) below lsd, Dec. 11, 1972; lowest 51.51 ft (15.70 m) below lsd, Nov. 19, 1969. Records available: 1967-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	42.94	.....	45.95	41.85	46.61	41.95	45.60	48.74	47.70	49.06	49.65	46.43
10	45.05	.....	44.90	41.41	47.25	45.75	46.90	48.80	47.92	49.21	49.40	45.50
15	39.11	.....	41.25	e44.50	42.80	46.31	47.55	48.98	48.37	49.41	49.39	45.59
20	e42.50	46.81	43.40	e45.00	44.15	47.45	48.00	49.05	48.53	49.36	49.07	45.37
25	.....	45.80	42.40	45.54	45.70	44.30	48.35	49.09	48.52	49.33	e48.55	47.00
Eom	.....	45.99	44.90	46.50	45.76	45.50	48.60	48.92	48.92	49.44	47.70	44.19

e Estimated.

Henderson County

375200087342901. Audie Wilson. Henderson. Drilled unused artesian well in sandstone and shale of Carbonate Formation of Middle Pennsylvanian age, diam 6 in (15 cm), depth 109 ft (33 m), cased to 57 ft (17 m). Lsd about 385 ft (117 m) above msl. MP floor of recorder shelter, 0.69 ft (0.21 m) above lsd. Highest water level 27.12 ft (8.27 m) below lsd, Mar. 7, 1950; lowest 43.83 ft (13.36 m) below lsd, Dec. 28, 1954. Records available: 1949-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	36.56	34.06	34.16	33.50	33.03	34.32	34.78	36.13	37.06	37.39	38.21	38.52
10	36.34	33.68	34.27	33.37	33.34	34.31	34.91	36.34	37.13	37.52	38.26	38.51
15	35.95	33.57	34.31	33.12	33.66	34.22	35.06	e36.50	37.17	37.68	38.32	38.35
20	35.40	33.67	34.13	32.85	33.88	34.31	35.27	e36.60	37.17	37.82	38.43	38.22
25	35.58	33.87	33.95	32.67	34.09	34.50	35.50	36.79	37.22	37.96	38.49	38.03
Eom	34.70	33.93	33.63	32.78	34.26	34.61	35.90	36.98	37.33	38.12	38.52	37.77

e Estimated.

Hopkins County

372428087372901. R. K. Brooks. Nebo. Drilled unused artesian well in Sturgis Formation of Late Pennsylvanian age, diam 6 in (15 cm), depth 50 ft (15 m), cased to 9 ft (3 m). Lsd about 425 ft (130 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 0.67 ft (0.20 m) below lsd, Apr. 3, 1968; lowest 16.48 ft (5.02 m) below lsd, Dec. 26, 1952. Records available: 1952-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.18	3.40	4.62	2.88	5.00	5.50	6.72	7.94	9.03	9.15	8.89	e7.00
10	1.20	4.00	4.85	2.62	5.31	5.64	6.84	8.08	9.10	9.13	8.94	e6.00
15	1.50	4.74	3.92	3.97	5.62	5.77	6.95	8.38	9.17	9.12	8.93	e5.00
20	1.10	5.03	3.60	4.55	5.82	6.11	7.19	8.58	9.21	9.11	8.78	4.74
25	2.17	3.95	3.58	3.84	4.93	6.36	7.36	8.73	9.26	9.09	8.88	2.29
Eom	2.11	4.11	2.86	4.61	5.20	6.54	7.70	8.81	8.85	9.03	e8.00	1.92

e Estimated.



Jefferson County

380606085531301. Rubber Reserve Co. Bethany Lane, east of Lower River Rd. Drilled observation water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 92 ft (28 m), screened 88-90 ft (26.8-27.4 m). Lsd 433.89 ft (132.25 m) above msl. MP top of coupling, 0.93 ft (0.28 m) above lsd. Highest water level 22.95 ft (7.00 m) below lsd, May 2, 1974; lowest 40.87 ft (12.46 m) below lsd, Feb. 19, 1961. Records available: 1945-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	j26.50	e25.00	j24.58	j24.03	j23.11	j23.58	j23.80	j24.46	j25.35	j25.70	j26.36	j26.69
10	j26.30	e24.70	j24.64	j23.83	j23.27	j23.53	j23.83	j24.60	j25.38	j25.78	j26.33	j26.56
15	j26.08	e24.50	j24.20	j23.62	j23.47	j23.43	j23.87	j24.75	j25.43	j25.90	j26.52	j26.36
20	j25.64	j24.80	j24.20	j23.30	j23.48	j23.56	j23.99	j24.92	j25.49	j26.05	j26.45	j26.50
25	e25.50	j24.74	j24.24	j23.18	j23.51	j23.68	j24.10	j25.04	j25.46	j26.08	j26.71	j26.50
Eom	e25.20	j24.34	j24.10	j23.10	j23.58	j23.67	j24.31	j25.21	j25.65	j26.17	j26.62	j26.17

e Estimated.

j Affected by atmospheric pressure.

380852085515901. Mrs. Ethel Waller. Waller Lane. Dug and driven unused water-table well in glacial sand and gravel, diam 36 in (91 cm), reported depth 50 ft (15 m), shored. Lsd 456.75 ft (139.22 m) above msl. MP top of concrete base, 0.30 ft (0.09 m) above lsd. Highest water level 35.76 ft (10.90 m) below lsd, Sept. 20, 1974; lowest 47.48 ft (14.47 m) below lsd, Jan. 24, 1956. Records available: 1943-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1974	37.01	Apr. 19, 1974	36.53	July 22, 1974	35.86	Oct. 21, 1974	35.84
Feb. 19	36.88	May 20	36.23	Aug. 19	35.83	Nov. 21	35.88
Mar. 21	36.85	June 21	35.96	Sept. 20	35.76	Dec. 23	35.99

381638085415801. Louisville Water Co. River Rd. and Zorn Ave. Drilled observation water-table well in glacial sand and gravel, diam 4 in (10 cm), depth 104 ft (32 m), screened 98-100 ft (29.9-30.5 m). Lsd 435.79 ft (132.83 m) above msl. MP top of coupling, 0.91 ft (0.28 m) above lsd. Highest water level 3.71 ft (1.13 m) above lsd, Mar. 13, 1967; lowest 19.61 ft (5.98 m) below lsd, Feb. 13, 1948. Records available: 1946-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.21	12.26	14.84	12.27	14.98	13.00	15.15	15.96	15.44	16.77	15.75	15.24
10	12.71	13.42	14.49	10.42	15.06	14.40	15.42	15.95	15.50	16.78	15.74	15.19
15	7.20	13.82	12.19	11.72	15.07	14.65	15.61	15.68	15.43	15.82	15.68	15.75
20	8.68	14.46	12.20	13.44	14.59	15.10	15.68	15.68	15.51	15.65	15.62	15.93
25	9.68	14.65	12.10	14.28	14.95	14.90	15.86	15.71	16.62	15.66	15.54	15.67
Eom	10.30	14.69	13.60	14.72	15.25	14.68	15.93	15.64	16.70	15.76	15.51	14.72

381246085470601. Joseph E. Seagram and Sons Co. Seventh St. Rd. at Wathen Lane. Drilled observation water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 103 ft (31 m), screened. Lsd 458.64 ft (139.79 m) above msl. MP top of wooden brace at base of recorder, 3.10 ft (0.94 m) above lsd. Highest water level 45.11 ft (14.05 m) below lsd, Aug. 25, 1974; lowest 88.37 ft (26.94 m) below lsd, Mar. 9, 1944. Records available: 1943-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	d50.75	c50.79	c50.72	c50.25	d48.82	d48.60	c48.78	d46.70	c47.10	c47.05	c48.25	c47.75
10	c51.05	d49.64	d50.00	d49.90	c49.28	c48.57	d48.45	d46.75	c47.45	c46.96	d47.20	c47.90
15	c51.00	c51.14	c50.85	c49.20	d48.82	c49.00	c48.45	c46.60	d47.12	c47.01	c48.30	d46.90
20	d49.97	d50.25	d50.00	d49.30	c48.86	c48.97	d48.44	d46.50	c47.49	d46.98	c48.05	c48.00
25	c51.15	c50.55	c50.14	c49.98	d48.80	c48.72	d47.73	d46.13	d47.05	c47.88	c47.90	d46.84
Eom	c50.80	c50.61	d49.50	c49.90	c48.90	d48.19	c47.20	c47.38	c47.05	c47.09	d47.60	c47.50

c Nearby well being pumped.

d Nearby well pumped recently.

381034085502601. Rubber Reserve Co. Rockford Lane, west of Mill Creek. Drilled observation water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 94 ft (29 m), screened 90-92 ft (27-28 m). Lsd 442.96 ft (135.01 m) above msl. MP top of coupling, 3.95 ft (1.20 m) above lsd. Highest water level 20.01 ft (6.10 m) below lsd, Nov. 4, 1974; lowest 31.55 ft (9.62 m) below lsd, Apr. 2, 1957. Records available: 1945-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	21.20	20.97	20.85	20.57	20.30	20.23	20.22	20.32	20.20	20.16	20.12	20.20
10	21.10	20.91	20.87	20.53	20.30	20.17	20.21	20.30	20.16	20.13	20.10	20.16
15	21.10	20.95	20.69	20.46	20.31	20.20	20.20	20.19	20.15	20.12	20.17	20.11
20	21.05	20.97	20.65	20.43	20.30	20.22	20.25	20.22	20.10	20.16	20.11	20.16
25	21.08	20.96	20.65	20.42	20.30	20.22	20.26	20.22	20.09	20.11	20.21	20.25
Eom	20.96	20.84	20.58	20.33	20.22	20.19	20.32	20.13	20.14	20.10	20.15	20.17

381315085502601. National Carbide Corp. Bells Lane. Drilled observation water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 108 ft (33 m), screened. Lsd 448.68 ft (136.76 m) above ms1. MP top of casing, 1.10 ft (0.34 m) above lsd. Highest water level 55.90 ft (17.04 m) below lsd, May 8, 1972; lowest 87.29 ft (26.61 m) below lsd, Nov. 13, 1964. Records available: 1956-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	63.02	59.54	60.39	58.93	58.35	58.62	58.71	59.76	60.67	60.45	60.96	60.70
10	62.35	59.58	60.41	58.59	58.64	58.29	58.71	59.97	60.44	60.50	61.05	60.78
15	62.05	59.84	60.04	58.04	58.84	58.18	58.84	60.18	60.24	60.64	61.16	60.11
20	61.00	60.07	59.76	57.80	58.90	58.50	59.07	60.33	60.05	60.78	61.04	59.79
25	60.27	60.26	59.40	57.90	58.69	58.81	59.27	60.45	60.15	60.83	61.14	59.40
Eom	59.79	60.20	59.01	58.05	58.60	58.82	59.56	60.61	60.35	60.93	60.98	59.15

381157085510201. Rubber Reserve Co. Schenks Lane. Drilled observation water-table well in glacial sand and gravel, diam 6 in (15 cm), depth 112 ft (34 m), length of casing unknown. Lsd 446.27 ft (136.02 m) above ms1. MP top of coupling, 4.85 ft (1.48 m) above lsd. Highest water level 40.59 ft (12.37 m) below lsd, July 23, 1974; lowest 57.62 ft (17.56 m) below lsd, Feb. 25, 1956. Records available: 1945-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	42.90	42.90	42.41	41.94	41.23	40.80	40.64	40.78	41.00	41.33	41.47	41.65
10	43.87	42.82	42.36	41.81	41.14	40.77	40.63	40.80	41.05	41.34	41.44	41.64
15	43.03	42.75	42.20	41.70	41.07	40.72	40.62	40.84	41.12	41.38	41.54	41.57
20	42.92	42.75	42.12	41.60	40.98	40.71	40.66	40.85	41.17	41.43	41.51	41.67
25	43.06	42.66	42.10	41.50	40.91	40.70	40.70	40.88	41.18	41.39	41.59	41.80
Eom	43.00	42.48	41.97	41.36	40.86	40.63	40.76	40.92	41.27	41.42	41.55	41.66

381443085470602. Brown-Forman Distilleries. 1908 Howard St., Louisville. Drilled unused water-table well in glacial sand and gravel, diam 12 in (30 cm), depth 200 ft (61 m), cased to bottom. Lsd 451.13 ft (137.50 m) above ms1. MP top of casing, at lsd. Highest water level 46.44 ft (14.15 m) below lsd, Dec. 23, 1974; lowest 79.64 ft (24.27 m) below lsd, Apr. 22, 1965. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 18, 1974	e53.50	Apr. 19, 1974	e53.27	July 22, 1974	d50.36	Oct. 21, 1974	d48.23
Feb. 19	e53.03	May 20	e52.55	Aug. 19	d49.22	Nov. 22	d47.15
Mar. 22	e52.98	June 21	d52.36	Sept. 20	d49.13	Dec. 23	d46.44

c Nearby well being pumped.

d Nearby well pumped recently.

### Johnson County

374610082453001. Kentucky Water Co. Van Lear. Drilled unused artesian well in Breathitt Formation of Early and Middle Pennsylvanian age, diam 6 in (15 cm), depth 115 ft (35 m), length of casing unknown. Lsd about 630 ft (192 m) above ms1. MP bottom of recorder base, 3.42 ft (1.04 m) above lsd. Highest water level 23.38 ft (7.13 m) below lsd, Nov. 30, 1969; lowest 28.81 ft (8.78 m) below lsd, Oct. 29, 1963. Records available: 1951-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	j24.96	j25.74	j26.44	j25.31	j26.61	j25.81	j26.86	j27.49	j26.19	j27.28	j27.13	j26.16
10	j24.90	j25.87	j25.84	j25.37	j26.61	j26.17	j27.06	j27.42	j26.46	j27.40	j27.95	j26.00
15	j25.03	j26.06	j25.18	j25.60	j26.49	j26.61	e27.38	j27.55	j26.57	j27.50	j26.49	j26.14
20	e25.50	j26.31	j25.10	j26.16	j26.61	j26.94	e27.40	j27.60	e26.75	j26.89	j26.24	j26.38
25	j25.74	j26.38	j25.22	j26.39	j26.49	j26.73	j27.49	j27.72	j26.94	j26.94	j26.30	j26.47
Eom	j25.41	j26.40	j25.69	j26.70	j26.59	j26.62	j27.73	j26.57	j27.05	j27.11	j26.57	j26.13

e Estimated.

j Affected by atmospheric pressure.

375052082484401. Allen Construction Co. Winchester. Drilled unused artesian well in Lee Formation of Late Mississippian and Early Pennsylvanian age, diam 7 in (18 cm), depth 585 ft (178 m), cased to 218 ft (66 m). Lsd about 780 ft (238 m) above ms1. MP top of casing, at lsd. Highest water level 116.30 ft (35.45 m) below lsd, Feb. 16, 1966; lowest 123.58 ft (37.67 m) below lsd, Dec. 16, 1972. Records available: 1966-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	d122.95	.....	d122.62	....	....	.....	d122.84	....	....	.....	123.09	....
10	d122.86	.....	d123.00	....	....	.....	d122.92	....	....	.....	123.11	....
15	d122.98	.....	d123.14	....	....	.....	d122.90	....	....	.....	123.28	....
20	.....	d122.60	d122.86	....	....	d122.84	d122.95	....	....	.....	122.88	....
25	.....	d123.01	.....	....	....	d122.81	.....	....	....	d123.27	.....	....
Eom	.....	d123.00	.....	....	....	d122.93	.....	....	....	123.24	.....	....

d Nearby well pumped recently.

Laurel County

370757084045001. J. R. Hale. London. Drilled unused water-table well in sandstone of Lee Formation of Late Mississippian and Early Pennsylvanian age, diam 12 in (30 cm), depth 370 ft (113 m), length of casing unknown. Lsd about 1,190 ft (363 m) above msl. MP base of recorder shelter, 3.30 ft (1.01 m) above lsd. Highest water level 41.02 ft (12.50 m) below lsd, June 1, 1974; lowest 225.00 ft (68.58 m) below lsd, Oct. 25, 1947. Records available: 1947, 1950-62, 1965-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	43.93	43.60	.....	43.18	43.22	43.24	43.50	43.92	44.05	44.05	.....	43.52
10	43.44	43.56	.....	43.42	43.19	43.13	43.56	43.95	43.98	43.93	.....	43.36
15	43.76	43.63	.....	43.27	43.20	43.18	43.67	44.05	43.85	43.95	.....	43.19
20	e43.63	43.50	43.23	e43.20	43.42	43.36	e42.76	44.06	43.84	44.00	.....	43.24
25	43.69	.....	43.51	43.44	43.30	43.28	43.76	44.20	43.85	.....	.....	43.29
Eom	43.48	.....	43.17	43.35	43.10	43.44	43.88	44.04	43.79	.....	43.53	43.21

e Estimated.

Letcher County

371033082374301. Chesapeake & Ohio Ry. Co. Jenkins. Drilled unused water-table well in sandstone and shale of Breathitt Formation of Early and Middle Pennsylvanian age, diam 10 in (25 cm), depth 146 ft (45 m), length of casing unknown. Lsd about 1,512 ft (461 m) above msl. MP bottom edge of slot in casing, 4.00 ft (1.22 m) below lsd. Highest water level 18.51 ft (5.64 m) below lsd, Mar. 7, 1967; lowest 24.07 ft (7.34 m) below lsd, Nov. 20, 1963. Records available: 1962-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.93	21.24	21.88	20.38	21.17	20.98	21.92	21.63	.....	.....	.....	.....
10	20.94	21.58	21.60	20.53	21.40	20.95	22.04	.....	.....	.....	.....	.....
15	.....	21.73	21.15	20.89	21.11	21.30	22.18	.....	.....	.....	.....	.....
20	.....	21.79	20.34	21.24	21.37	22.14	22.19	.....	.....	.....	.....	e21.90
25	21.15	21.71	20.75	21.19	21.18	21.31	22.26	.....	.....	.....	.....	.....
Eom	21.33	21.78	20.73	21.23	20.96	21.43	22.40	.....	.....	.....	.....	.....

e Estimated.

370654082482501. P. W. Ramsey. Whitesburg. Drilled unused water-table well in sandstone and shale of Breathitt Formation of Early and Middle Pennsylvanian age, diam 6 in (15 cm), depth 53 ft (16 m), cased to 18 ft (5 m). Lsd about 1,150 ft (351 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 5.94 ft (1.81 m) below lsd, Mar. 12, 1963; lowest 16.44 ft (5.01 m) below lsd, Aug. 23, 1968. Records available: 1961-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.18	9.70	10.64	9.10	10.31	10.18	10.70	11.27	11.11	11.64	11.24	10.56
10	9.25	10.04	10.40	9.22	10.45	10.56	10.84	11.36	10.85	11.70	11.37	10.50
15	8.78	10.27	9.89	9.75	e11.55	10.80	11.00	11.75	11.10	11.79	11.13	10.54
20	9.48	10.39	7.65	10.07	10.68	10.81	11.15	11.49	e11.40	11.31	10.25	10.69
25	9.60	10.33	9.36	10.04	11.20	10.08	11.41	11.65	11.41	11.30	10.60	10.74
Eom	9.61	10.40	9.50	10.38	10.63	10.26	11.87	11.12	11.52	11.45	10.77	10.50

c Nearby well being pumped.

e Estimated.

Lincoln County

372641084422901. W. Goebel Scott. Stanford. Dug unused water-table well in sandstone and shale of Borden Formation of Early and Late Mississippian age, diam 36 in (91 cm), depth 15 ft (5 m), shored. Lsd about 985 ft (300 m) above msl. MP base of recorder, 3.30 ft (1.01 m) above lsd. Highest water level 0.98 ft (0.30 m) above lsd, Apr. 3, 1968; lowest 11.64 ft (3.55 m) below lsd, Dec. 29, 1969. Records available: 1953-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.14	6.81	7.65	5.37	8.61	7.35	9.08	8.87	7.45	8.05	8.86	7.25
10	2.90	6.72	7.16	5.35	8.66	8.40	9.11	9.08	6.60	8.26	8.85	7.14
15	6.04	7.56	6.21	7.55	8.76	8.68	9.16	9.00	7.30	8.36	8.30	7.65
20	5.37	7.91	4.54	8.07	8.88	8.83	9.19	9.15	8.50	8.37	7.70	7.43
25	6.26	6.49	6.25	8.37	8.86	8.89	9.21	9.22	8.10	8.80	e7.50	6.15
Eom	5.85	6.92	6.03	8.45	8.70	9.01	9.26	8.22	8.00	8.90	7.89	5.85

e Estimated.

372739084402101. Omer Lewis. Stanford. Drilled unused water-table well in sandstone and shale of Borden Formation of Early and Late Mississippian age, diam 6 in (15 cm), depth 33 ft (10 m), cased to 10 ft (3 m). Lsd about 1,060 ft (323 m) above msl. MP top edge of metal recorder shelter, 2.25 ft (0.69 m) above lsd. Highest water level 5.49 ft (1.67 m) below lsd, June 24, 1970; lowest 9.83 ft (3.00 m) below lsd, July 2, 1954. Records available: 1954-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.55	16.73	16.98	16.97	17.47	17.43	17.26	16.92	16.01	15.65	15.83	e5.75
10	16.55	16.75	17.10	17.00	17.53	17.25	17.29	16.82	15.84	15.59	15.95	e5.79
15	16.43	16.83	17.00	17.02	17.62	17.23	17.30	16.70	15.74	15.64	15.86	15.85
20	16.45	16.89	16.91	17.20	17.75	17.21	e7.20	16.56	e5.75	15.69	e5.85	e5.90
25	16.59	17.01	16.97	17.31	17.72	17.19	17.16	16.42	15.70	15.70	e5.80	e6.00
Eom	16.58	16.95	16.96	17.39	17.66	17.23	17.11	16.23	15.65	15.81	15.78	e6.10

e Estimated.

j Affected by atmospheric pressure.

#### Logan County

365052086512701. Charles Baird. Russellville. Drilled unused water-table well in limestone of Girkin Formation of Late Mississippian age, diam 8 in (20 cm), depth 125 ft (38 m), cased to 10 ft (3 m). Lsd about 580 ft (177 m) above msl. MP base of recorder, 3.30 ft (1.01 m) above lsd. Highest water level 1.22 ft (0.37 m) above lsd, Apr. 4, 1968; lowest 45.60 ft (13.90 m) below lsd, Nov. 20, 1965. Records available: 1964-74. Measurement discontinued July 17, 1974.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.68	4.85	6.20	6.11	6.72	5.12	7.72	....	....	....	....	....
10	4.80	5.52	5.90	5.86	6.87	3.60	7.42	....	....	....	....	....
15	3.79	6.18	6.09	6.36	7.38	5.50	7.59	....	....	....	....	....
20	4.89	6.08	4.20	6.78	7.69	6.70	....	....	....	....	....	....
25	4.99	5.08	5.05	6.02	4.10	7.34	....	....	....	....	....	....
Eom	4.12	5.50	5.91	6.73	6.07	7.80	....	....	....	....	....	....

#### McCracken County

370142088313101. Ashland Oil & Refining Co. Paducah. Drilled unused artesian well in sand of McNairy Formation of Late Cretaceous age, diam 5 in (13 cm), depth 227 ft (69 m), length of casing unknown. Lsd 384.47 ft (117.19 m) above msl. MP top of casing, 1.90 ft (0.58 m) above lsd. Highest water level 57.53 ft (17.54 m) below lsd, May 19, 1961; lowest 82.47 ft (25.14 m) below lsd, Oct. 17, 1972. Records available: 1951-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	168.16	160.29	169.65	167.98	176.17	....	....	....	....	....	....	....
10	165.90	161.03	169.86	165.96	175.68	....	....	....	....	....	....	....
15	....	164.95	168.36	165.29	....	....	....	....	....	....	....	....
20	....	167.01	166.68	167.68	....	....	....	....	....	....	....	....
25	....	166.48	166.37	170.34	....	....	....	....	....	....	....	....
Eom	160.79	166.88	167.40	173.96	....	....	....	....	....	....	....	....

j Affected by atmospheric pressure.

370848088462401. U.S. Tennessee Valley Authority. Shawnee Steam Plant. Drilled unused artesian well in alluvium of Quaternary age, diam 12 in (30 cm), depth 86 ft (26 m), screened 76-86 ft (23-26 m). Lsd about 365 ft (111 m) above msl. MP top of casing, 1.50 ft (0.46 m) above lsd. Highest water level 35.86 ft (10.93 m) below lsd, May 3, 1973; lowest 54.40 ft (16.58 m) below lsd, Nov. 21, 1964. Records available: 1958-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	144.58	141.00	142.32	142.37	143.14	141.85	143.05	146.85	147.56	148.30	149.57	148.86
10	143.44	140.87	142.73	141.16	143.42	141.31	143.61	146.99	147.24	148.66	149.09	148.47
15	142.27	141.63	141.84	140.57	143.65	141.02	144.36	147.13	147.44	148.68	149.45	148.02
20	141.49	142.68	141.22	140.61	143.39	141.86	145.27	147.49	147.47	149.14	149.28	147.92
25	141.16	142.48	141.04	141.62	142.89	142.85	145.83	147.68	147.77	149.15	149.41	148.29
Eom	141.04	142.08	141.39	142.36	142.44	142.78	146.47	147.77	148.24	149.27	148.82	147.51

j Affected by atmospheric pressure.

#### McCreary County

365138084264101. Elmer Taylor. 4.5 mi (7.2 km) northeast of Parkers Lake. Drilled unused water-table well in sandstone and shale of Lee Formation of Late Mississippian and Early Pennsylvanian age, diam 6 in (15 cm), depth 45 ft (14 m), length of casing unknown. Lsd 1,176.54 ft (358.61 m) above msl. MP top edge of tile casing, 0.90 ft (0.27 m) above lsd. Highest water level 10.77 ft (3.28 m) below lsd, Apr. 3, 1974; lowest 27.30 ft (8.32 m) below lsd, Nov. 25, 1967. Records available: 1959-74.

365138084264101--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.70	21.30	22.65	20.48	22.62	22.36	23.11	23.64	e23.75	24.00	23.45	23.37
10	15.20	22.40	22.90	21.90	22.68	22.51	23.08	23.64	.....	23.80	23.84	23.37
15	20.72	22.85	22.88	22.68	22.70	22.58	23.18	23.80	.....	23.78	23.84	23.13
20	21.90	22.55	22.28	22.95	23.01	22.89	23.20	23.81	.....	23.91	19.60	23.29
25	22.81	22.49	22.61	22.99	22.95	22.84	23.43	23.71	23.69	23.89	e23.65	23.39
Eom	21.96	22.79	22.30	22.80	22.55	22.98	23.61	23.62	23.76	23.98	23.55	23.18

e Estimated.

Ohio County

372503086524601. Leslie B. Wright. Beaver Dam. Drilled unused artesian well in Tradewater Formation of Middle Pennsylvanian age, diam 7 in (18 cm), depth 298 ft (91 m), cased to 220 ft (67 m). Lsd about 463 ft (141 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 77.99 ft (23.77 m) below lsd, Dec. 25, 1973; lowest 158.39 ft (48.28 m) below lsd, Sept. 8, 1966. Records available: 1956-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	d78.84	c81.25	c82.60	c83.95	c84.67	c85.55	c93.56	c101.60	.....	c112.67	c116.95	c120.78
10	d78.19	c81.09	c83.05	c84.20	c84.95	c85.70	c95.00	c102.55	.....	c113.34	c117.50	c121.15
15	c79.05	c82.00	c82.95	c84.16	c85.25	c87.64	c96.35	c103.23	.....	c114.15	c118.45	c121.25
20	c79.00	c82.13	c83.10	c84.33	c85.65	c89.11	c97.81	c104.74	.....	c115.15	c118.71	c121.31
25	c80.11	c82.75	c83.75	c84.68	c85.79	c90.57	c99.00	c105.68	c110.69	c115.70	c119.77	c122.72
Eom	c80.60	c82.45	c83.50	c84.48	c85.63	c92.00	c100.50	c106.69	c111.57	c116.45	c120.00	c123.05

c Nearby well being pumped.

d Nearby well pumped recently.

Taylor County

372353085222601. E. F. Noe. Campbellsville. Drilled unused water-table well in Warsaw Limestone of Late Mississippian age, diam 6 in (15 cm), depth 40 ft (12 m), cased to 30 ft (9 m). Lsd about 875 ft (267 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 8.33 ft (2.54 m) below lsd, Feb. 27, 1962; lowest 33.66 ft (10.26 m) below lsd, Jan. 2, 1964. Records available: 1957-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.85	20.41	25.26	12.17	25.49	17.20	27.39	28.50	17.30	24.00	27.52	25.50
10	10.80	22.19	24.40	13.83	27.18	19.87	27.58	28.90	20.40	25.30	27.50	24.88
15	12.29	23.90	22.92	17.75	27.47	22.40	27.70	28.91	20.20	26.36	27.34	25.04
20	14.07	25.10	14.10	21.65	27.62	24.72	27.67	27.30	23.25	26.96	27.34	23.32
25	14.81	23.89	15.20	24.03	27.74	26.20	28.07	28.22	24.80	27.08	27.50	18.30
Eom	17.41	23.78	19.60	25.48	22.00	27.00	28.50	22.80	23.00	27.35	27.30	16.15

Trigg County

364051088004101. U.S. Tennessee Valley Authority. Land Between the Lakes National Recreation Area, Golden Ford. Drilled unused water-table well in St. Louis Limestone of Late Mississippian age, diam 6 in (15 cm), depth 210 ft (64 m), reported cased to 230 ft (70 m). Lsd about 520 ft (159 m) above msl. MP top of casing 1.80 ft (0.55 m) above lsd. Highest water level 132.65 ft (40.43 m) below lsd, May 27, 1973; lowest 152.36 ft (46.44 m) below lsd, Jan. 18, 1967. Records available: 1966-74. Measurement discontinued Oct. 18, 1974. May 17, 1974, 134.30; Oct. 18, 135.25.

Union County

373942087561301. J. A. Schneider. Morganfield. Drilled unused artesian well in fault zone in rocks of Carbondale Formation of Middle Pennsylvanian age, diam 6 in (15 cm), depth 59 ft (18 m), length of casing unknown. Lsd about 470 ft (143 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 2.08 ft (0.63 m) below lsd, May 8, 1961; lowest 18.06 ft (5.50 m) below lsd, Dec. 1, 1953. Records available: 1951-74.

373942087561301--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.39	5.66	5.55	3.99	5.11	6.80	9.81	11.95	8.72	8.64	7.89	7.43
10	6.65	5.97	4.77	3.80	5.04	6.55	10.26	11.90	9.00	8.91	8.11	6.36
15	6.93	6.21	4.25	4.18	5.40	7.11	10.56	10.82	7.96	9.03	7.74	7.05
20	5.80	6.08	4.36	4.46	5.25	7.81	10.85	11.11	8.39	9.00	7.55	6.98
25	5.56	5.56	4.14	4.42	5.76	6.52	11.15	10.95	8.75	9.04	7.14	6.37
Eom	5.30	5.49	4.00	4.90	6.34	9.16	11.65	8.35	8.26	9.07	7.45	5.92

Warren County

365538086281001. Western Kentucky University. Bowling Green. Drilled unused artesian well in Ste. Genevieve Limestone of Late Mississippian age, diam 6 in (15 cm), depth 88 ft (27 m), length of casing unknown. Lsd about 555 ft (169 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 13.08 ft (3.99 m) below lsd, Jan. 10, 1974; lowest 62.96 ft (19.19 m) below lsd, Aug. 29, 1972. Records available: 1969-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e57.40	57.01	58.84	57.13	59.70	60.00	60.46	61.21	60.56	60.88	61.33	60.81
10	13.40	57.71	59.00	57.60	60.07	59.70	60.57	61.13	60.86	60.96	61.36	60.46
15	37.30	58.24	59.24	58.30	60.28	59.70	60.82	61.30	61.00	61.05	61.34	60.64
20	48.80	58.52	58.42	58.98	60.47	59.71	60.96	61.17	61.08	61.08	60.93	60.08
25	55.83	58.39	58.66	59.29	59.48	60.06	61.06	61.37	61.10	61.25	61.22	60.09
Eom	56.10	58.59	58.59	59.70	60.01	60.26	61.10	61.14	60.65	61.29	61.26	59.53

e Estimated.

## MARYLAND

The observation-well program in Maryland was continued during 1974 in cooperation with the Maryland Geological Survey. Figure 6 shows the location of the 16 wells selected for inclusion in this report. Available for inspection at the Baltimore Field Headquarters are unpublished water-level measurements for the approximately 100 other wells and springs that comprise the rest of the regular observation-well network.

### Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. In order to insure the correct identification of a particular well and because the local well-numbering system is still used for convenient reference, the local well numbers are also shown.

In the local 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 2S5E-1 is in the square mile that is 2 miles south and 5 miles east of the Washington Monument, and is the first well inventoried in that square.

### Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum.

#### City of Baltimore

391617076322001. Local number 2S5E-1. U.S. Army. Fort Holabird. Holabird Ave. and Pumphrey St. Drilled unused artesian well in sand of the Patuxent Formation of Early Cretaceous age, diam 12 in (30 cm), depth 290 ft (88 m), cased to unknown depth. Lsd 30 ft (9 m) above msl. MP top of casing, 1.80 ft (0.55 m) above lsd. Highest water level 57.70 ft (17.59 m) below lsd, Jan. 31, 1967; lowest 103.70 ft (31.61 m) below lsd, Oct. 15, 1948. Records available: 1934, 1943-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	59.77	May 1, 1974	62.55	Aug. 2, 1974	65.61	Nov. 13, 1974	59.20
Feb. 5	60.95	June 6	65.68	Sept. 6	59.93	Dec. 30	59.45
Mar. 18	58.16	July 1	64.51	Oct. 10	64.54		

#### Allegany County

394024078273401. Local number All-Ah 1. Green Ridge State Forest. On Fifteenmile Creek. Drilled public-supply (previously reported unused) artesian(?) well in sedimentary rocks of the Jennings Formation of Late Devonian age, diam 8 in (20 cm), depth 113 ft (34 m), cased to unknown depth. Lsd 720 ft (219 m) above msl. MP top of sanitary seal in casing, 0.30 ft (0.09 m) above lsd. Highest water level 2.18 ft (0.66 m) below lsd, Dec. 30, 1950; lowest 40 ft (12 m) below lsd, Nov. 19, 1969, Feb. 12, 1970. Records available: 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 14, 1974	2.56	June 6, 1974	3.25	Aug. 28, 1974	5.93	Nov. 11, 1974	6.30
Mar. 11	3.04	July 24	4.73	Oct. 7	6.24	Dec. 16	4.04
Apr. 22	3.49	Aug. 26	5.77				

#### Anne Arundel County

391208076353501. Local number AA-Ad 10. U.S. Army Reserve Center. Curtis Bay. Drilled unused artesian well in sand of the Patapsco Formation of Early and Late Cretaceous age, diam 8 to 6 in (20 to 15 cm), depth 109 ft (33 m), length of casing and screen unknown. Lsd 45 ft (14 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 29.96 ft (9.13 m) below lsd, June 18, 1953; lowest 36.56 ft (11.14 m) below lsd, Apr. 21, 1944. Records available: 1944, 1946-74.

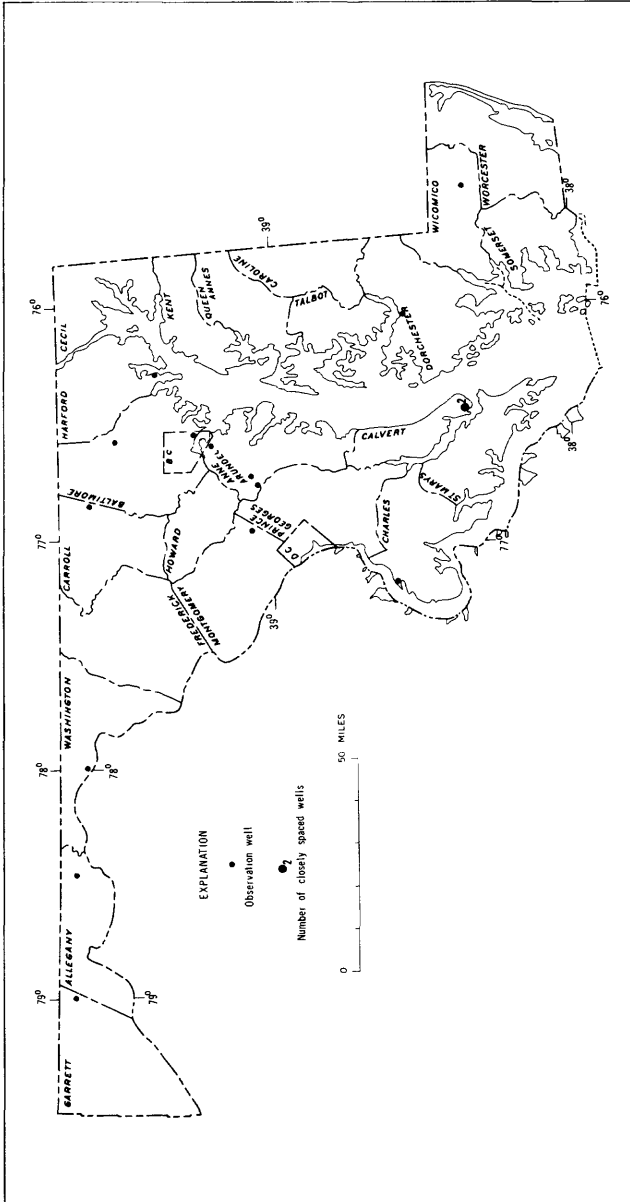


Figure 6.--Location of observation wells in Maryland, 1974.



391208076353501--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	31.94	May 1, 1974	32.19	Aug. 2, 1974	32.44	Nov. 13, 1974	32.78
Feb. 5	32.44	June 6	32.11	Sept. 6	32.67	Dec. 30	32.86
Mar. 18	32.29	July 1	32.16	Oct. 10	32.66		

390303076463201. Local number AA-Ch 1. U.S. Army. Fort George G. Meade. Duvall Bridge Rd. Drilled unused artesian well in sand of the Patuxent Formation of Early Cretaceous age, diam 6 in (15 cm), depth 505 ft (154 m), cased to 485 ft (148 m), screened 485-505 ft (148-154 m). Lsd 126 ft (38 m) above msl. MP hole in well cap, at lsd. Highest water level 40.60 ft (12.37 m) below lsd, May 1, 1962; lowest 67.98 ft (20.72 m) below lsd, Aug. 7, 1974. Records available: 1962-74.

Jan. 3, 1974	60.73	Apr. 16, 1974	59.80	Aug. 7, 1974	67.98	Oct. 17, 1974	63.64
Feb. 4	59.71	May 20	61.90	28	65.63	Nov. 12	63.22
Apr. 4	59.67	July 8	63.18	Oct. 3	63.90	Dec. 31	62.81

390423076432001. Local number AA-Ce 40. U.S. Army. Fort George G. Meade. Rifle Range Rd. Drilled unused artesian well in sand of the Patuxent Formation of Early and Late Cretaceous age, diam 6 in (15 cm), depth 238 ft (73 m), cased to 208 ft (63 m), screened 208-238 ft (63-73 m). Lsd 138 ft (42 m) above msl. MP top of 1 1/2-in (3.8-cm) coupling, 1.70 ft (0.52 m) above lsd. Highest water level 42.58 ft (12.98 m) below lsd, Mar. 25, 1961; lowest 49.22 ft (15.00 m) below lsd, June 2, 1966. Records available: 1959-74.

Jan. 3, 1974	44.94	Apr. 16, 1974	44.94	Aug. 27, 1974	46.63	Nov. 12, 1974	46.33
Feb. 4	44.92	May 20	45.44	Oct. 17	46.27	Dec. 31	45.75
Apr. 4	45.16	July 8	45.64				

Baltimore County

393102076341801. Local number Bal-Ce 21. Maryland National Guard. Jacksonville. Drilled unused water-table well in the Wissahickon Formation (lower pelitic schist) of latest Precambrian to early Paleozoic age, diam 10 to 6 in (25 to 15 cm), depth 350 ft (107 m), cased to 33 ft (10 m). Lsd 536 ft (163 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 12.60 ft (3.84 m) below lsd, June 23, 1972; lowest 21.54 ft (6.57 m) below lsd, Feb. 10, 1966. Records available: 1955-74.

Feb. 6, 1974	16.62	June 3, 1974	16.60	Aug. 15, 1974	18.73	Nov. 14, 1974	19.48
Mar. 18	17.50	July 15	17.79	Sept. 24	19.10	Dec. 10	19.01

Calvert County

381954076272101. Local number Cal-Gd 5. Lord Calvert Yacht Club. Near Solomons. Drilled unused artesian well in sand of the Piney Point Formation of late Eocene age, diam 8 in (20 cm), depth 248 ft (76 m), cased to 233 ft (71 m), screened 233-248 ft (71-76 m). Lsd 10 ft (3 m) above msl. MP top of pumpbase, 11.50 ft (3.51 m) above lsd. Highest water level 15 ft (5 m) below lsd, 1942; lowest 56.5 ft (17.2 m) below lsd, Jan. 15, 1944. Records available: 1942, 1944, 1949-74. Measurement discontinued. Jan. 8, 1974, 26.54; Feb. 25, 27.86; Mar. 28, 26.32; May 7, 27.98; June 6, 28.16.

381952076270901. Local number Cal-Gd 6. Lord Calvert Yacht Club. Near Solomons. Drilled unused artesian well in sand of the Aquia Formation of Paleocene age, diam 8 to 6 in (20 to 15 cm), depth 493 ft (150 m), cased to 472 ft (144 m), screened 469-493 ft (143-150 m). Lsd 10 ft (3 m) above msl. MP top of pumpbase, 10 ft (3 m) above lsd. Highest water level 0.00, 1942; lowest 58.9 ft (18.0 m) below lsd, Jan. 13, 1944. Records available: 1942, 1944, 1949-74.

Jan. 8, 1974	44.36	May 7, 1974	43.77	Aug. 13, 1974	45.83	Oct. 31, 1974	44.82
Feb. 25	45.20	June 6	43.99	Sept. 20	45.35	Nov. 26	45.05
Mar. 28	43.15	July 9	45.26				

Carroll County

393638076510001. Local number Car-Bf 1. Town of Hampstead. Drilled unused water-table well in the Wissahickon Formation (upper pelitic schist) of latest Precambrian to early Paleozoic age, diam 8 in (20 cm), depth 407 ft (124 m), cased to about 65 ft (20 m). Lsd 933 ft (284 m) above msl. MP floor of well house, at lsd. Highest water level 52.30 ft (15.94 m) below lsd, May 13, 1952; lowest 76.26 ft (23.24 m) below lsd, Feb. 10, 1966. Records available: 1946-47, 1949-74.

Jan. 25, 1974	65.54	Apr. 25, 1974	61.20	Aug. 14, 1974	68.57	Nov. 15, 1974	71.93
Mar. 7	65.19	June 7	63.90	Sept. 20	70.25	Dec. 5	72.55

Charles County

383422077114601. Local number Ch-Cb 7. U.S. Navy. Naval Ordnance Station. Indian Head. Drilled unused artesian well in sand of the Patapsco Formation of Early and Late Cretaceous age, diam 8 to 6 in (20 to 15 cm), depth 400 ft (122 m), cased to 400 ft (122 m), screened 154-167 ft (47 to 51 m). Lsd 36 ft (11 m) above msl. MP top of casing, at lsd. Highest water level 57.35 ft (17.48 m) below lsd, Apr. 18, 1952; lowest 88.58 ft (27.00 m) below lsd, Oct. 22, 1968. Records available (revised): 1952-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 27, 1974	77.90	June 5, 1974	75.73	Aug. 13, 1974	75.49	Oct. 29, 1974	77.87
Apr. 5	77.39	July 18	75.07	Sept. 30	76.68	Nov. 27	78.13
May 16	76.88						

Dorchester County

383346076030301. Local number Dor-Ce 21. Eastern Shore State Hospital. Near Cambridge. Drilled unused artesian well in sand of the Piney Point Formation of late Eocene age, diam 8 to 4 1/2 in (20 to 11 cm), depth 368 ft (112 m), cased to 368 ft (112 m). Lsd 12 ft (4 m) above msl. MP top of casing, at lsd. Highest water level 14 ft (4 m) below lsd, August 1914; lowest c137.49 ft (41.91 m) below lsd, Feb. 8, 1962. Records available: 1914, 1952, 1956-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 10, 1974	106.32	Apr. 22, 1974	102.46	July 19, 1974	99.24	Oct. 5, 1974	104.57
Feb. 15	108.56	June 6	96.13	Aug. 22	104.07	Dec. 6	100.96
Mar. 15	108.38						

c Nearby well pumped recently.

Garrett County

394016078581601. Local number Gar-Ag 1. Town of Frostburg. Savage River Valley. Drilled unused water-table well in Pocono Sandstone of Late Devonian and Early Mississippian age or Greenbrier Limestone of Late Mississippian age, diam 8 in (20 cm), depth 30 ft (9 m), cased to unknown depth. Lsd 2,530 ft (771 m) above msl. MP top of casing, at lsd. Highest water level 5.71 ft (1.74 m) below lsd, Jan. 19, 1950; lowest 9.37 ft (2.86 m) below lsd, Nov. 24, 1964. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 11, 1974	6.01	Apr. 23, 1974	6.60	July 23, 1974	6.79	Oct. 22, 1974	7.36
23	6.17	May 23	6.60	Aug. 23	6.91	Nov. 22	7.43
Feb. 25	6.35	June 25	6.62	Sept. 24	7.06	Dec. 26	6.73
Mar. 20	6.40						

Harford County

392343076161901. Local number Har-Ed 24. U.S. Army. Edgewood Arsenal. Edgewood. Drilled unused artesian well in sand of the Patapsco Formation of Early and Late Cretaceous age, diam 18 to 10 in (46 to 25 cm), depth 149 ft (45 m), cased to 120 ft (37 m), screened 120-135 ft (37-41 m). Lsd 13 ft (4 m) above msl. MP top of casing, 1.15 ft (0.35 m) above lsd. Highest water level 5.24 ft (1.54 m) below lsd, Apr. 13, 1944; lowest 38.40 ft (11.70 m) below lsd, Apr. 23, 1967. Records available: 1944, 1949-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 6, 1974	9.90	Apr. 22, 1974	9.40	July 15, 1974	9.52	Sept. 25, 1974	9.78
Mar. 18	10.35	June 3	9.90	Aug. 15	9.83	Nov. 14	9.80

Montgomery County

390434075573002. Local number Mont-Rh 20. Cities Service Oil Co. Fairland. Drilled unused water-table well in the Wissahickon Formation (lower pelitic schist) of latest Precambrian to early Paleozoic age, diam 5.6 in (14.2 cm), depth 103 ft (31 m), cased to 50 ft (15 m). Lsd 410 ft (125 m) above msl. MP west side of bell housing at inside of lip, at lsd. Highest water level 4.39 ft (1.34 m) below lsd, June 25, 1972; lowest 13.86 ft (4.22 m) below lsd, Nov. 25, 1974. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1974	10.01	Apr. 25, 1974	11.07	July 25, 1974	13.32	Oct. 25, 1974	13.63
Feb. 25	11.05	May 28	11.99	Aug. 26	13.24	Nov. 25	13.86
Mar. 25	11.59	June 25	12.15	Sept. 25	13.00	Dec. 31	12.45

Washington County

393638078001301. Local number Wa-Be 2. Fort Frederick State Park. Near Big Pool. Dug unused water-table well in Romney Shale of middle Devonian age, diam 42 in (107 cm), depth 43 ft (13 m), orbbed with stone. Lsd 470 ft (143 m) above msl. MP top of stone sill, 0.80 ft (0.24 m) above lsd. Highest water level 17.90 ft (5.46 m) below lsd, May 15, 1972; lowest 36.92 ft (11.25 m) below lsd, Jan. 11, 1965. Records available: 1949-74.

393638078001301--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	24.97	June 6, 1974	31.75	Aug. 28, 1974	34.45	Nov. 11, 1974	35.45
Mar. 11	30.40	July 29	33.79	Oct. 7	35.09	Dec. 16	34.33
Apr. 22	24.05						

Wicomico County

382037075310801. Local number W1-Cf 3. Salisbury Airport. Mount Hermon. Drilled unused water-table well in sand of Pleistocene age, diam 15 in (41 cm), depth 109 ft (33 m), cased to 90 ft (27 m), screened 90-108 ft (27-33 m). Lsd 45 ft (14 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.90 ft (0.58 m) below lsd, May 7, 1958; lowest 13.44 ft (4.10 m) below lsd, Sept. 18, 1947. Records available: 1942, 1947-74.

Jan. 9, 1974	5.05	Apr. 23, 1974	6.24	July 17, 1974	8.43	Oct. 4, 1974	8.34
Feb. 15	6.51	June 5	6.42	Aug. 21	7.11	Nov. 19	8.93
Mar. 14	6.96						

## MISSISSIPPI

The observation-well program was continued in Mississippi during 1974 in cooperation with the Mississippi Board of Water Commissioners. Figure 7 shows the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

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. Thus, each complete well number consists of the county name, the grid letter, and a numeral.

### Well Descriptions and Water-Level Measurements

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

#### Alcorn County

345456088113001. Local number G57. City of Corinth. Drilled unused artesian well in rocks of Paleozoic age, diam 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m). Lsd about 460 ft (140 m) above msl. MP top of steel casing, 1.00 ft (0.30 m) above lsd. Highest water level 100.9 ft (30.8 m) below lsd, Oct. 17, 1962; lowest 223.9 ft (68.2 m) below lsd, Sept. 20, 1974. Records available: 1962-74. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	203.2	208.0	203.2	203.3	196.3	200.4	208.0	.....	222.3	222.0	212.1	.....
10	203.4	206.0	202.1	197.3	192.7	203.5	201.6	.....	222.0	220.8	211.0	.....
15	204.8	206.5	205.8	195.1	191.2	205.4	208.4	219.2	223.6	220.5	213.3	.....
20	207.1	204.4	203.8	196.2	193.8	206.0	213.8	221.5	223.9	219.2	209.4	198.7
25	208.5	204.5	205.9	196.5	198.1	207.6	210.0	223.0	222.8	216.0	206.0	187.7
Eom	208.4	204.4	204.1	194.5	198.4	209.1	.....	223.1	221.1	212.9	195.7	.....

344642088840501. Local number K11. C. B. Curlee. Drilled unused artesian well in rocks of Paleozoic age, diam 4 in (10 cm), reported depth 574 ft (175 m), cased to 478 ft (146 m). Lsd about 460 ft (140 m) above msl. MP top of recorder-house floor, 1.50 ft (0.46 m) above lsd. Highest water level 89.00 ft (27.13 m) below lsd, Dec. 17, 1961; lowest 106.57 ft (32.48 m) below lsd, May 22, 1974. Records available: 1961-74. Apr. 1, 1974, 106.40; May 22, 106.57.

#### Bolivar County

333959090435001. Local number Q150. Jones Bayou Gin Association. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m). Lsd 133.66 ft (40.74 m) above msl. MP top of 3/4-in (1.9-cm) plug, 1.00 ft (0.30 m) above lsd (since Nov. 8, 1974). Highest water level 20.10 ft (6.13 m) above lsd, May 30, 1939; lowest 3.20 ft (0.98 m) below lsd, Oct. 19, 1968. Records available: 1939-68, 1970-74. June 4, 1974, 1.70; Nov. 8, 2.12.

#### Calhoun County

335119089182801. Local number K101. Calhoun City. Drilled public-supply artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 12 in (30 cm), depth 1,898 ft (579 m), cased to 1,858 ft (566 m). Lsd about 270 ft (82 m) above msl. MP top of air vent in north side of pumpbase, 1.30 ft (0.40 m) above lsd. Highest water level 42.75 ft (13.03 m) below lsd, Mar. 14, 1957; lowest 56.90 ft (17.34 m) below lsd, June 10, 1969. Records available: 1955-67, 1969, 1971-74. Water levels affected by pumping. June 6, 1974, 64.60 (well pumped recently).

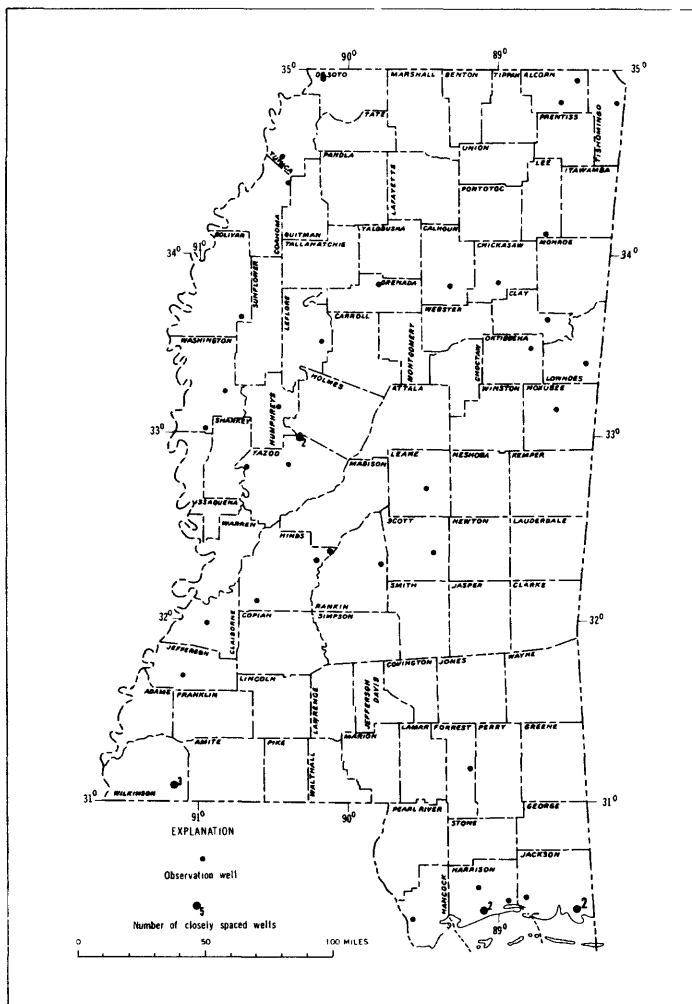


Figure 7.--Location of observation wells in Mississippi, 1974.

Chickasaw County

335140089005001. Local number K37. J. D. McAlpin. Drilled unused artesian well in sand of Ripley Formation of Late Cretaceous age, diam 4 in (10 cm), reported depth 130 ft (40 m), cased to 80 ft (24 m). Lsd about 320 ft (98 m) above msl. MP top of steel casing, at lsd. Highest water level 59.40 ft (18.11 m) below lsd, Mar. 20, 1962; lowest 67.10 ft (20.45 m) below lsd, Oct. 28, 1971. Records available: 1958-74. May 2, 1974, 64.50.

Claiborne County

315718090591501. Local number L5. Town of Port Gibson. Drilled unused artesian well in sand of Miocene age, diam 10 in (25 cm), reported depth 250 ft (76 m), cased to 250 ft (76 m). Lsd about 120 ft (37 m) above msl. MP top of steel casing, 2.00 ft (0.61 m) above lsd. Highest water level 76.87 ft (23.43 m) below lsd, Apr. 22, 1963; lowest 106.90 ft (32.58 m) below lsd, Sept. 14, 1963. Records available: 1961-74. Water levels affected by nearby pumping. Jan. 7, 1974, 92.90; May 10, 94.33; July 22, 99.59; Nov. 6, 95.85.

Clay County

333722088382801. Local number H50. City of West Point. Drilled unused artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 4 in (10 cm), depth 802 ft (244 m), cased to 782 ft (238 m). Lsd about 240 ft (73 m) above msl. MP top of 2-in (5.1-cm) nipple in well head, 2.00 ft (0.61 m) above lsd. Highest water level 26.10 ft (7.96 m) below lsd, Apr. 11, 1972; lowest 43.45 ft (13.24 m) below lsd, Apr. 19, 1971. Records available: 1963, 1965-68, 1970-74. Water levels affected by nearby pumping. Oct. 8, 1974, 28.20.

Coahoma County

342400090322001. Local number C111. Norfleet & Wilsford. Drilled domestic artesian well in sand of Wilcox Formation of Paleocene and early Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m). Lsd 180.88 ft (55.13 m) above msl. MP top of 3-in (7.6-cm) tee, 1.00 ft (0.30 m) above lsd. Highest water level 40.8 ft (12.4 m) above lsd, July 26, 1940; lowest 5.0 ft (1.5 m) above lsd, Apr. 25, 1974. Records available: 1940-74. Apr. 25, 1974, +5.0.

De Soto County

345735090102301. Local number A103. H. P. Sullivan. Drilled unused artesian well in sand of Wilcox Formation of early Eocene age, diam 4 to 2 in (10 to 5.1 cm), depth 1,525 ft (465 m), cased to 1,485 ft (453 m). Lsd about 205 ft (62 m) above msl. MP top of 2-in (5.1-cm) drop pipe, 3.30 ft (1.01 m) above lsd. Highest water level 16.25 ft (4.95 m) above lsd, July 15, 1939; lowest 25.45 ft (7.76 m) below lsd, Apr. 14, 1971. Records available: 1939, 1955-74. Apr. 25, 1974, 21.80.

Forrest County

311137089110501. Local number G116. U.S. Government-Mississippi National Guard. Camp Shelby. Drilled observation artesian well in sand of Hattiesburg Formation of early and middle Miocene age, diam 4 to 3 in (10 to 7.6 cm), depth 392 ft (119 m), screened 382-392 ft (116-119 m). Lsd 258.44 ft (78.77 m) above msl. MP top of 4-in (10-cm) casing flange, 2.00 ft (0.61 m) above lsd. Highest water level 122.08 ft (37.21 m) below lsd, Apr. 2, 1954; lowest 142.40 ft (43.40 m) below lsd, Nov. 6, 1974. Records available: 1943-45, 1954-74. Occasional pumping nearby. Jan. 9, 1974, 141.66; Apr. 2, 136.60; July 16, 140.74; Nov. 6, 142.40.

Grenada County

335016089471801. Local number B103. U.S. Government. Grenada Reservoir. Drilled unused artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 12 to 8 in (30 to 20 cm), depth 257 ft (78 m), screened 227-257 ft (69-78 m). Lsd 207.07 ft (63.11 m) above msl. MP top of south side of concrete base, 1.20 ft (0.37 m) above lsd. Highest water level 1.98 ft (0.60 m) below lsd, Apr. 19, 1962; lowest 30.08 ft (9.17 m) below lsd, Oct. 28, 1942. Records available: 1942, 1954-74. Affected by stage of Grenada Reservoir; well is 0.5 mi (0.8 km) below dam. Jan. 21, 1974, 7.50; June 5, 5.10.

Hancock County

302118089351504. Local number H14. Mississippi Test Facility (NASA). Drilled unused artesian well in Citronelle Formation of Pliocene age, diam 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m). Lsd about 20 ft (6 m) above ms1. MP top of 12-in (30-cm) casing, 1.50 ft (0.46 m) above lsd. Highest water level 3.6 ft (1.1 m) below lsd, May 1, 1974; lowest 8.3 ft (2.5 m) below lsd, June 3, 1968. Records available: 1968, 1971-74. May 1, 1974, 3.6.

Harrison County

303110089070201. Local number G121. Mississippi Game and Fish Commission. Drilled unused artesian well in Graham Perry Formation of Pliocene age, diam 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m). Lsd about 65 ft (20 m) above ms1. MP top of 3-in (7.6-cm) casing, 0.40 ft (0.12 m) above lsd. Highest water level 10.0 ft (3.1 m) below lsd, Apr. 14, 1939; lowest 48.09 ft (14.66 m) below lsd, Nov. 6, 1974. Records available: 1939, 1954-74. Apr. 3, 1974, 45.20; Nov. 6, 48.09.

302200089053301. Local number L154. U.S. Post Office Dept. Gulfport. Drilled unused artesian well in Pascagoula Formation of late Miocene age, diam 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (375-385 m). Lsd 19.62 ft (5.98 m) above ms1. MP top of 3-in (7.6-cm) casing tee, 1.70 ft (0.52 m) above lsd. Highest water level 27.1 ft (8.3 m) above lsd, Jan. 31, 1940; lowest 11.44 ft (3.49 m) below lsd, July 16, 1974. Records available: 1939-50, 1954-74. Jan. 8, 1974, 9.83; Apr. 3, 9.78; July 16, 11.44; Nov. 6, 11.10.

302127089051901. Local number L172. Gulfport Municipal Harbor. South end of main pier. Drilled public-supply artesian well in Graham Perry Formation of Pliocene age, diam 4 in (10 cm), reported depth 800 ft (244 m), cased to 760 ft (232 m). Lsd 7.62 ft (2.32 m) above ms1. MP top of 1-in (2.5-cm) plug, at lsd (since July 16, 1974). Highest water level 38.0 ft (11.6 m) above lsd, Mar. 16, 1939; lowest 5.8 ft (1.8 m) below lsd, Nov. 6, 1974. Records available: 1939, 1956-74. July 16, 1974, 5.0; Nov. 6, 5.8.

302355088540301. Local number M120. City of Biloxi. 1332 Howard Ave. Drilled unused artesian well in Graham Perry Formation of Pliocene age, diam 8 in (20 cm), reported depth 928 ft (283 m), sounded to 660 ft (201 m), casing information not available. Lsd 21.28 ft (6.49 m) above ms1. MP top of 8-in (20-cm) flange, 3.00 ft (0.91 m) above lsd. Highest water level 44.0 ft (13.4 m) above lsd, 1903; lowest (revised), 54.9 ft (16.7 m) below lsd, July 18, 1973. Records available: 1903, 1945-46, 1954-74. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	32.9	33.3	36.1	39.4	....	....	....	41.3	40.7	37.0
10	....	....	33.7	32.7	36.7	38.8	....	....	....	42.4	39.5	36.4
15	....	....	34.0	32.5	38.1	39.8	....	....	41.1	42.7	39.0	35.7
20	....	....	34.3	32.8	39.4	42.0	....	....	41.7	41.5	38.0	35.7
25	....	33.5	34.2	34.1	39.6	41.7	....	....	41.5	42.2	37.6	33.6
Eom	....	33.8	33.8	34.9	40.1	43.5	....	....	41.4	40.8	36.2	33.4

Hinds County

321945090152201. Local number G125. Shady Oaks Country Club. Formerly Country Club of Jackson. Drilled unused artesian well in Sparta Sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m). Lsd 372 ft (113 m) above ms1. MP top of 4-in (10-cm) coupling, 0.50 ft (0.15 m) above lsd. Highest water level 160.0 ft (48.8 m) below lsd, 1928; lowest 280.52 ft (85.50 m) below lsd, Sept. 25, 1972. Records available: 1928, 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1974	274.89	Apr. 10, 1974	273.42	July 10, 1974	275.54	Oct. 23, 1974	276.10
Feb. 22	272.75	May 30	274.92	Aug. 23	276.20	Nov. 21	275.07
Mar. 25	272.47	June 24	275.30	Sept. 23	275.20	Dec. 19	273.96

322241090073701. Local number H160. Colonial Country Club. Drilled unused artesian well in Sparta Sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), reported depth 773 ft (236 m), cased to 634 ft (193 m). Lsd about 305 ft (93 m) above ms1. MP top of steel casing, at lsd. Highest water level 136.73 ft (41.68 m) below lsd, Mar. 30, 1954; lowest 194.14 ft (59.17 m) below lsd, Oct. 17, 1972. Records available: 1954-74. Water levels affected by nearby pumping.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 25, 1974	186.70	Apr. 10, 1974	188.15	July 10, 1974	192.20	Oct. 23, 1974	192.66
Feb. 22	186.82	May 30	189.09	Aug. 23	193.58	Nov. 21	191.77
Mar. 25	187.80	June 24	190.27	Sept. 23	193.25	Dec. 19	190.92

320620090370001. Local number S3. Town of Utica. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m). Lsd about 308 ft (94 m) above ms1. MP top of 10-in (25-cm) casing, 1.40 ft (0.43 m) above lsd. Highest water level 179.65 ft (54.76 m) below lsd, Feb. 27, 1958; lowest 190.16 ft (57.96 m) below lsd, Nov. 6, 1974. Records available: 1956-74. May 10, 1974, 189.60; Nov. 6, 190.16.

Humphreys County

331151090290201. Local number C110. Wister Henry. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 to 2 in (10 to 5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m). Lsd 115.21 ft (35.12 m) above msl. MP top of 4-in (10-cm) tee, 0.50 ft (0.15 m) above lsd. Highest water level 114.3 ft (34.8 m) above lsd, Feb. 1, 1941; lowest 66.4 ft (20.2 m) above lsd, Oct. 10, 1973. Records available: 1939-41, 1944-74. Apr. 8, 1974, +68.5.

Jackson County

302455088493501. Local number N48. Louisville & Nashville RR. Drilled unused artesian well in sand of Graham Ferry Formation of Pliocene age, diam 6 in (15 cm), reported depth 535 ft (163 m), cased to 495 ft (151 m), screened 495-535 ft (151-163 m). Lsd about 23 ft (7 m) above msl. MP hole in northwest side of pump, 0.80 ft (0.24 m) above lsd. Highest water level 30.0 ft (9.1 m) above lsd, 1928; lowest 54.94 ft (16.75 m) below lsd, May 17, 1974. Records available: 1928, 1939, 1958-63, 1965-74. May 17, 1974, 54.94.

302451088325901. Local number P45. Central Artesian Well Co. Drilled unused artesian well in sand of Pascagoula Formation of late Miocene age, diam 4 in (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m). Lsd about 20 ft (6 m) above msl. MP hole in tee, 0.80 ft (0.24 m) above lsd. Highest water level 28.0 ft (8.5 m) above lsd, Sept. 6, 1919; lowest 46.70 ft (14.23 m) below lsd, May 15, 1974. Records available: 1919, 1958-74. May 15, 1974, 46.70.

302132088293801. Local number Q112. Jackson County Board of Supervisors. Drilled unused artesian well in sand of Citronelle Formation of Pliocene age, diam 6 to 4 in (15 to 10 cm), depth 202 ft (62 m), cased to 192 ft (59 m), screened 192-202 ft (59-62 m). Lsd about 3.4 ft (1.0 m) above msl. MP top of steel casing, 2.00 ft (0.61 m) above lsd. Highest water level 6.29 ft (1.92 m) below lsd, May 6, 1960; lowest 14.05 ft (4.28 m) below lsd, Aug. 11, 1971. Records available: 1960-74. May 16, 1974, 13.59.

Jefferson County

314240091034001. Local number H3. Town of Fayette. Drilled unused artesian well in sand of Miocene age, diam 8 in (20 cm), reported depth 272 ft (83 m), cased to 232 ft (71 m), screened 232-272 ft (71-83 m). Lsd about 270 ft (82 m) above msl. MP top of steel casing, 1.10 ft (0.34 m) above lsd. Highest water level 117.60 ft (35.84 m) below lsd, Sept. 9, 1962; lowest 137.45 ft (41.89 m) below lsd, July 12, 1965. Records available: 1961-74. Water levels affected by nearby pumping. May 10, 1974, 134.22.

Leake County

324420089295001. Local number L1. Carthage & Canton RR. Drilled unused artesian well in sand of Wilcox Formation of Paleocene and early Eocene age, diam 4 to 2 in (10 to 5.1 cm), reported depth 700 ft (213 m), cased to 680 ft (207 m), screened 680-700 ft (207-213 m). Lsd about 350 ft (107 m) above msl. MP top of 4-in (10-cm) casing, 2.50 ft (0.76 m) above lsd. Highest water level 20.81 ft (6.34 m) below lsd, May 1, 1958; lowest 29.83 ft (9.09 m) below lsd, Nov. 5, 1968. Records available: 1957-63, 1965, 1968-74. Apr. 10, 1974, 25.62.

Lee County

340525088371701. Local number O14. Town of Nettleton. Drilled unused artesian well in sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age, diam 8 in (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m). Lsd about 260 ft (79 m) above msl. MP hole in well base, 0.70 ft (0.21 m) above lsd. Highest water level 22.40 ft (6.83 m) below lsd, July 15, 1940; lowest 48.50 ft (14.78 m) below lsd, Apr. 12, 1974. Records available: 1940, 1962-74. Apr. 12, 1974, 48.50.

Leflore County

333100090105801. Local number L152. City of Greenwood. Drilled unused artesian well in sand of Tallahatta Formation of middle Eocene age, diam 6 in (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m). Lsd 133.98 ft (40.84 m) above msl. MP top of 4-in (1.3-cm) bushing in top of well, 2.80 ft (0.85 m) above lsd. Highest water level 19.9 ft (6.1 m) above lsd, Aug. 5, 1944; lowest 19.3 ft (5.9 m) below lsd, June 27, 1948. Records available: 1938, 1940-50, 1954-74. Water levels affected by nearby pumping. June 5, 1974, 6.10; Nov. 8, 6.08.



Lowndes County

332517088235601. Local number L22. Hooker Chemical Co. Drilled unused artesian well in sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age, diam 4 in (10 cm), depth 1,180 ft (360 m), casing information not available. Lsd about 175 ft (53 m) above msl. MP top of 4-in (10-cm) elbow at well head, 2.60 ft (0.79 m) above lsd. Highest water level 44.9 ft (13.7 m) above lsd, Apr. 12, 1961; lowest 14.40 ft (4.39 m) below lsd, Apr. 27, 1973. Records available: 1960-65, 1967-74. Apr. 30, 1974, 14.10.

Noxubee County

330650088341001. Local number H115. Borden Food Products Co. Drilled industrial artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m). Lsd about 185 ft (56 m) above msl. MP top of ¾-in (0.64-cm) gate valve on discharge pipe, 3.00 ft (0.91 m) above lsd. Highest water level 33.2 ft (10.1 m) above lsd, Feb. 3, 1955; lowest 8.1 ft (2.5 m) above lsd, Apr. 27, 1973. Records available: 1955-56, 1958-63, 1965-74. May 1, 1974, +8.5.

Oktibbeha County

332710088471701. Local number G102. Mississippi State University. Drilled unused artesian well in sand of Eutaw Formation of Late Cretaceous age, diam 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m). Lsd 380.95 ft (116.11 m) above msl. MP top of casing, 2.33 ft (0.71 m) above lsd. Highest water level 176.14 ft (53.69 m) below lsd, Apr. 3, 1941; lowest 207.57 ft (63.27 m) below lsd, May 1, 1974. Records available: 1940-48, 1954-74. May 1, 1974, 207.57.

Rankin County

321846089475101. Local number J110. Town of Pelahatchie. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 8 in (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m). Lsd about 365 ft (111 m) above msl. MP hole in metal plate, 1.50 ft (0.49 m) above lsd (since January 1974). Highest water level 101.62 ft (30.97 m) below lsd, Apr. 9, 1956; lowest 131.95 ft (40.22 m) below lsd, Jan. 22, 1970. Records available: 1955-74. Water levels affected by nearby pumping. Jan. 22, 1974, 108.20; Apr. 10, 110.83; Apr. 25, 108.40; July 16, 109.14.

Scott County

322148089283201. Local number L1. Town of Forest. Drilled unused artesian well in sand of Cockfield Formation of Claiborne Group of middle Eocene age, diam 10 in (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m). Lsd about 480 ft (146 m) above msl. MP top of recorder-house floor, 3.00 ft (0.91 m) above lsd. Highest water level 103.7 ft (31.6 m) below lsd, May 6, 1958; lowest 145.4 ft (44.3 m) below lsd, Apr. 28, 1967. Records available: 1957-74. Water levels affected by nearby pumping. Apr. 9, 1974, 124.00; Apr. 25, 109.00.

Tishomingo County

344834088111601. Local number F1. H. M. Biggs. Drilled unused artesian well in sand and gravel of Tuscaloosa Group of Late Cretaceous age, diam 8 in (20 cm), depth 135 ft (41 m), cased to 105 ft (32 m). Lsd about 545 ft (166 m) above msl. MP top of 8-in (20-cm) casing, 2.00 ft (0.61 m) above lsd. Highest water level 31.2 ft (9.5 m) below lsd, Apr. 1, 1974; lowest 65.1 ft (19.8 m) below lsd, Jan. 18, 1967. Records available: 1956, 1958-74. Water levels affected by nearby pumping. Apr. 1, 1974, 31.2; May 22, 31.5.

Tunica County

343117090253001. Local number J101. L. D. Powell. Drilled domestic artesian well in sand of Wilcox Formation of Paleocene and early Eocene age, diam 3 to 2 in (7.6 to 5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m). Lsd 176 ft (54 m) above msl. MP top of 3-in (7.6-cm) coupling, at lsd. Highest water level 30.3 ft (9.2 m) above lsd, July 7, 1954; lowest 7.5 ft (2.3 m) above lsd, Apr. 25, 1974. Records available: 1954-67, 1969-74. Apr. 25, 1974, +7.5.

Washington County

331808090532901. Local number H101. J. A. Aldridge. Drilled domestic artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 in (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m). Lsd about 120 ft (37 m) above msl. MP top of 4-in (10-cm) tee, 0.80 ft (0.24 m) above lsd. Highest water level 53.5 ft (16.3 m) above lsd, Dec. 20, 1954; lowest 34.3 ft (10.5 m) above lsd, Apr. 8, 1974. Records available: 1954-74. Apr. 8, 1974, +34.3.

330227090592001. Local number S4. Agricultural Chemical Corp. Drilled unused water-table well in alluvium of Pleistocene age, diam 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m). Lsd 111.24 ft (33.91 m) above msl. MP top of recorder-house floor, 1.95 ft (0.59 m) above lsd. Highest water level 5.8 ft (1.8 m) below lsd, May 13, 1958; lowest 19.45 ft (5.93 m) below lsd, Aug. 21, 1954. Records available: 1954-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	...	7.5	7.5	...	8.0	12.2	15.5	16.5	13.0	13.0	11.9	12.0
10	...	7.7	7.7	9.2	...	8.2	13.8	17.6	13.9	13.4	12.0	11.6
15	8.1	8.0	8.0	8.3	...	12.4	15.9	16.7	13.0	13.0	11.8	11.2
20	8.0	8.2	...	8.4	...	13.9	15.2	17.2	13.5	12.6	11.5	11.1
25	7.8	7.4	...	7.8	11.5	13.6	16.0	14.5	13.2	12.5	11.6	10.8
Eom	7.4	7.4	...	7.9	8.8	15.0	13.4	13.5	12.3	11.9	11.8	9.8

#### Wilkinson County

310413091042101. Local number T101. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in sand of Pascagoula Formation of late Miocene age, diam 16 in (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m). Lsd 353.5 ft (107.8 m) above msl. MP top of hole in cover plate, 1.20 ft (0.37 m) above lsd. Highest water level 43.0 ft (13.1 m) below lsd, May 5, 1942; lowest 52.22 ft (15.92 m) below lsd, Dec. 10, 1954. Records available: 1942, 1954-63, 1968, 1970-74. May 10, 1974, 48.25.

310413091042102. Local number T102. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in middle sand of Pascagoula Formation of late Miocene age, diam 12 in (30 cm), depth 417 ft (127 m), screened 355-415 ft (108-126 m). Lsd 356.5 ft (108.6 m) above msl. MP top of hole in cover plate, 1.48 ft (0.45 m) above lsd. Highest water level 128.4 ft (39.1 m) below lsd, May 5, 1942; lowest 163.41 ft (49.81 m) below lsd, May 10, 1974. Records available: 1942, 1954-63, 1968, 1970-74. May 10, 1974, 163.41.

310413091042103. Local number T103. J. P. Kennedy. Old Camp Van Dorn. Drilled unused artesian well in upper part of Catahoula Sandstone of Miocene age, diam 12 in (30 cm), depth 1,699 ft (518 m), screened 1,625-1,685 ft (495-514 m). Lsd 356.4 ft (108.6 m) above msl. MP top of hole in cover plate, 1.40 ft (0.43 m) above lsd. Highest water level 238.1 ft (72.6 m) below lsd, May 13, 1942; lowest 268.89 ft (81.96 m) below lsd, May 10, 1974. Records available: 1942, 1954-63, 1968, 1970-74. May 10, 1974, 268.89.

#### Yazoo County

325905090192202. Local number B102. Town of Eden. Drilled unused artesian well in Sparta Sand of middle Eocene age, diam 3 in (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m). Lsd 112.3 ft (34.2 m) above msl. MP bottom edge of hole in north side of casing, 5.30 ft (1.62 m) above lsd. Highest water level 39.7 ft (12.1 m) above lsd, 1919; lowest 12.15 ft (3.70 m) below lsd, Jan. 25, 1966. Records available: 1919, 1939, 1943-74. Jan. 15, 1974, 8.50; May 17, 9.28; July 17, 10.09; Oct. 3, 9.28.

325905090192201. Local number B103. Town of Eden. Drilled public-supply artesian well in Meridian Sand Member of Tallahatta Formation of middle Eocene age, diam 4 to 2½ in (10 to 6.4 cm), depth 1,735 ft (529 m), screened 1,659-1,669 ft (506-509 m), 1,689-1,699 ft (515-518 m), 1,705-1,715 ft (520-523 m). Lsd about 112 ft (34 m) above msl. MP top of 4-in (10-cm) cap, 0.50 ft (0.15 m) above lsd. Highest water level 143.2 ft (43.7 m) above lsd, January 1954; lowest 98.0 ft (29.9 m) above lsd, Oct. 31, 1974. Records available: 1954-74. Jan. 15, 1974, +93.5 (leaking); July 17, +82.0 (leaking); Oct. 31, +98.0.

325016090251601. Local number G126. Yazoo City. Drilled unused artesian well in Sparta Sand of middle Eocene age, diam 6 in (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m). Lsd about 96 ft (29 m) above msl. MP top of recorder-house floor, 4.00 ft (1.22 m) above lsd. Highest water level 31.1 ft (9.5 m) above lsd, Jan. 17, 1939; lowest 25.9 ft (7.9 m) below lsd, Aug. 19, 1973. Records available: 1939, 1955-74. Water levels affected by nearby pumping.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.5	18.8	19.0	...	20.6	20.7	22.6	23.8	...	20.6	21.5	21.3
10	19.5	18.6	...	20.5	21.5	21.3	24.6	24.9	24.5	21.0	21.7	21.4
15	19.4	18.5	...	20.3	21.3	22.0	24.0	24.2	23.5	21.2	21.4	21.5
20	19.3	19.0	...	21.4	21.4	21.9	24.0	...	23.1	21.6	21.1	21.4
25	18.9	18.7	...	21.9	21.0	22.2	23.8	...	22.5	21.3	21.3	21.3
Eom	18.5	18.8	...	21.1	21.3	22.8	23.6	...	20.5	21.8	21.5	21.1

324936090423001. Local number J128. Holly Bluff Consolidated School. Drilled school-supply artesian well in Sparta Sand of middle Eocene age, diam 4 in (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m). Lsd about 103 ft (31 m) above msl. MP top of 4-in (10-cm) tee, 3.00 ft (0.91 m) above lsd. Highest water level 38.7 ft (11.8 m) above lsd, Aug. 17, 1939; lowest 9.60 ft (2.93 m) below lsd, Oct. 31, 1974. Records available: 1939, 1954-74. Apr. 8, 1974, 8.55; Oct. 31, 9.60.

# NORTH CAROLINA

The observation-well program in North Carolina, begun in 1941, was continued during 1974 in co-operation with the North Carolina Department of Natural and Economic Resources. Figure 8 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. The observation wells are also identified by local numbers which are designated by the abbreviation of North Carolina (NC) and by serial numbers given in the order of their addition to the observation well network in the State.

## Well Descriptions and Water-Level Measurements

Water levels are reported 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. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

### Beaufort County

351932076480001. Local number NC-13. North Carolina Phosphate Co. No. 1. Near Aurora. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 4 in (10 cm), depth 167 ft (51 m), drilled to 186 ft (57 m), cased to 186 ft (57 m). Lsd 10 ft (3 m) above msl. MP top of casing, 0.13 ft (0.04 m) above lsd. Highest water level 1.38 ft (0.42 m) below lsd, Apr. 9, 1965; lowest 61.65 ft (18.79 m) below lsd, Sept. 26, 1968. Records available: 1964-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	53.32	53.13	54.51	.....	55.62	54.91	56.10	54.97	56.09	55.91	56.35	55.34
10	53.16	53.03	54.68	.....	55.46	54.66	56.20	55.54	55.77	55.89	56.30	55.38
15	52.94	52.95	.....	.....	55.13	54.57	56.39	55.90	55.59	55.86	55.36	55.43
20	52.72	53.19	.....	55.87	55.05	54.91	56.69	55.80	55.05	56.11	55.39	56.29
25	.....	53.80	.....	55.67	55.01	55.14	56.36	55.98	54.80	56.47	55.38	56.59
Eom	.....	54.39	.....	55.66	55.51	55.34	54.97	56.15	55.32	56.43	55.43	56.66

353314077041001. Local number NC-14. City of Washington. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 8 in (20 cm), depth 111 ft (34 m), drilled to 158 ft (48 m), gravel-walled to 90 ft (27 m). Lsd 9.42 ft (2.87 m) above msl. MP top of instrument shelf, at lsd. Highest water level 1.02 ft (0.31 m) above lsd, Apr. 10, 1964; lowest 25.37 ft (7.73 m) below lsd, July 22, 1972. Records available: 1948-61, 1963-74. Water levels affected by nearby pumping.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	15.46	.....	.....	15.76	20.42	.....	16.82	18.12	15.85	21.29	20.61
10	.....	14.51	.....	20.37	19.87	19.77	18.31	16.35	17.89	21.36	17.77	20.11
15	.....	15.51	.....	15.33	19.82	20.97	14.06	19.61	11.33	19.84	21.57	17.23
20	14.43	14.19	.....	23.30	19.98	20.29	17.00	17.93	17.96	17.01	20.25	19.38
25	15.72	.....	.....	20.05	21.37	19.04	18.82	14.83	21.14	18.64	18.88	9.20
Eom	15.56	.....	.....	16.88	21.06	19.14	18.77	14.74	19.46	21.26	12.60	8.87

353227076374001. Local number NC-15. City of Belhaven. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 4 in (10 cm), depth 246 ft (75 m), drilled to 260 ft (79 m), cased to 260 ft (79 m). Lsd 3.50 ft (1.07 m) above msl. MP top of recorder shelf, 5.00 ft (1.52 m) above lsd. Highest water level 0.25 ft (0.08 m) below lsd, July 24, 1965; lowest 14.87 ft (4.53 m) below lsd, Oct. 4, 1968. Records available: 1965-74.

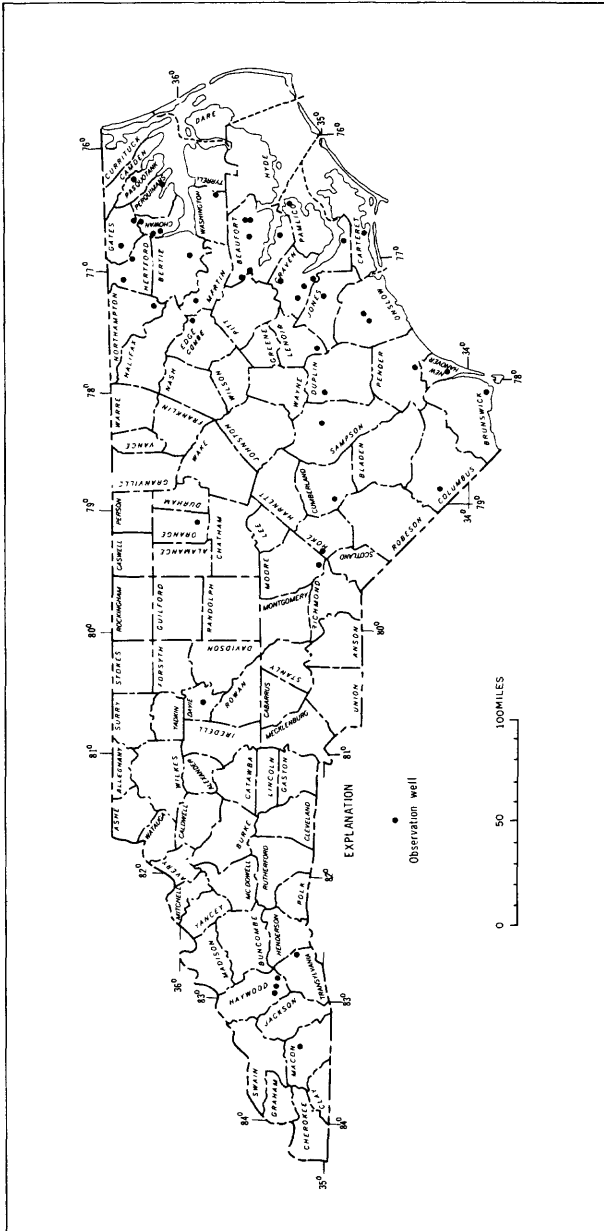


Figure 8.--Location of observation wells in North Carolina, 1974.

35322076374001--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	10.36	10.04	.....	.....	.....	.....	10.09	10.46	10.49	.....	.....	10.84
10	10.19	9.84	.....	.....	.....	.....	10.08	10.47	.....	.....	.....	10.92
15	10.19	.....	.....	.....	.....	9.90	10.17	10.48	.....	.....	10.88	10.85
20	10.03	.....	.....	.....	.....	10.07	10.25	10.49	.....	.....	10.87	10.77
25	10.02	.....	.....	.....	.....	9.96	10.31	10.49	.....	.....	10.95	10.76
Eom	10.01	.....	.....	.....	.....	10.00	10.39	10.49	.....	.....	11.00	10.82

353052077002201. Local number NC-49. Moose Club. Near Washington. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 4 in (10 cm), depth 185 ft (56 m), cased to 123 ft (37 m). Lsd 13.95 ft (4.25 m) above msl. MP top of casing, 1.00 ft (0.30 m) below lsd. Highest water level 5.17 ft (1.58 m) below lsd, Oct. 25, 1971; lowest 9.42 ft (2.87 m) below lsd, Dec. 2, 1973. Records available: 1965-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.60	7.35	7.57	6.93	7.34	7.12	8.43	8.48	....	8.04	8.51	8.08
10	7.47	7.19	7.77	7.13	7.26	7.90	8.16	8.05	....	8.04	8.57	8.00
15	7.54	7.35	7.70	6.86	7.54	7.53	8.38	8.01	....	8.20	8.59	7.90
20	7.61	7.15	7.49	7.01	7.64	8.18	8.82	....	....	8.26	8.45	7.96
25	7.42	7.32	7.20	7.34	7.78	8.02	8.72	....	....	8.26	8.50	7.87
Eom	7.42	7.38	7.14	7.55	7.54	7.85	8.55	....	....	8.45	8.44	7.69

353112076482801. Local number NC-57. Jack Oden. Near Bath. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 3 in (7.5 cm), depth 98 ft (30 m), cased to 55 ft (17 m). Lsd 4.70 ft (1.43 m) above msl. MP top of casing, 1.42 ft (0.43 m) above lsd (since January 1974). Highest water level 0.43 ft (0.13 m) below lsd, June 27, 1974; lowest 9.64 ft (2.94 m) below lsd, Oct. 12, 15, 16, 1968. Records available: 1965-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.12	5.51	5.98	6.11	6.22	6.35	6.11	6.76	4.26	4.81	5.61	5.70
10	6.95	5.52	6.19	6.10	6.24	6.31	6.11	5.04	4.27	4.89	5.64	3.92
15	6.86	5.49	6.18	5.78	6.36	3.62	6.40	5.30	4.47	5.16	5.82	4.72
20	6.85	5.39	6.01	6.00	6.53	3.94	6.62	5.70	4.51	5.20	5.64	4.44
25	5.54	5.60	6.05	6.08	6.55	4.33	6.78	3.64	4.63	5.41	5.74	4.82
Eom	5.40	5.85	6.08	6.21	6.36	5.72	6.87	4.18	4.64	5.53	5.79	4.58

353343076371801. Local number NC-75. Younce Farm. Belhaven. Drilled observation artesian well in Yorktown Formation of early Pliocene age, diam 2 in (5.1 cm), depth 145 ft (44 m), cased to 120 ft (37 m). Lsd 3.8 ft (1.2 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 1.39 ft (0.42 m) below lsd, Jan. 14, 15, 1968; lowest 9.95 ft (3.03 m) below lsd, July 31, 1974. Records available: 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	7.53	6.44	5.88	6.28	7.04	6.84	8.43	9.05	....	7.25	8.32	7.20
10	6.86	5.71	6.07	5.74	7.24	6.64	9.06	8.81	....	8.23	7.84	7.09
15	6.67	5.68	6.27	6.33	6.69	7.07	8.82	7.97	....	8.27	7.68	6.78
20	6.29	5.48	5.90	6.92	6.87	8.23	9.52	....	....	7.47	7.38	7.06
25	6.56	5.37	5.85	7.37	7.25	8.44	9.71	....	....	8.18	7.20	6.55
Eom	6.20	5.99	5.69	7.38	6.95	7.68	9.67	....	....	8.41	7.48	6.51

Bertie County

355930076570001. Local number NC-32. Town of Windsor. Drilled unused artesian well in sand of Black Creek Formation of late Cretaceous age, diam 8 in (20 cm), depth 78 ft (24 m), drilled to 350 ft (107 m), gravel-walled. Lsd 28.38 ft (8.65 m) above msl. MP top of instrument shelf, 1.40 ft (0.43 m) above lsd. Highest water level 16.22 ft (4.94 m) below lsd, Aug. 14, 1958; lowest 29.68 ft (9.05 m) below lsd, Jan. 18, 1968. Records available: 1955-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.63	27.41	27.43	26.80	27.11	27.04	27.69	27.67	27.92	27.56	27.33	27.19
10	27.33	27.68	27.60	26.83	26.96	27.05	27.69	27.69	27.80	27.58	27.24	27.08
15	27.35	27.52	27.56	26.81	26.97	27.48	27.81	28.05	27.82	27.52	27.40	27.15
20	27.55	27.25	27.27	26.94	27.34	27.53	28.73	28.43	27.73	27.42	27.13	27.06
25	27.40	27.59	27.20	26.83	27.25	27.54	28.47	28.55	27.58	27.35	27.18	27.19
Eom	27.71	27.56	27.04	27.01	27.04	27.63	27.85	28.05	27.52	27.38	27.23	27.19

Brunswick County

335535078011001. Local number NC-22. Town of Southport. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 10 in (25 cm), depth 163 ft (50 m), cased to 60 ft (18 m). Lsd 20.5 ft (6.3 m) above msl. MP top of casing, 5.27 ft (1.61 m) above lsd. Highest water level 15.14 ft (4.61 m) below lsd, Mar. 29, 1965; lowest 31.18 ft (9.50 m) below lsd, July 1, 1970. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	....	20.48	23.01	22.22	22.47	21.74	23.43	20.85	....	21.20
10	....	....	....	21.58	22.22	22.59	22.52	21.49	24.20	20.73	....	21.18
15	....	....	....	22.85	22.06	22.92	22.61	21.44	21.11	20.78	20.82	20.91
20	....	....	....	22.86	22.70	23.33	22.29	21.26	20.91	....	20.96	20.79
25	....	....	....	23.20	22.04	23.15	22.08	21.33	20.89	....	21.10	20.88
Eom	....	....	....	23.04	21.87	21.82	22.24	21.64	20.20	....	21.17	21.17

Carteret County

344332076463101. Local number NC-67. Camp Glen Industrial Education Center. Morehead City. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 8 in (20 cm), depth 235 ft (72 m), cased to 172 ft (52 m). Lsd 27 ft (8 m), previously reported 22 ft (7 m), above msl. MP top of instrument shelf, 3.20 ft (0.98 m) above lsd. Highest water level 16.74 ft (5.10 m) below lsd, Mar. 17, 1972; lowest 20.70 ft (6.31 m) below lsd, July 28, 1973. Records available: 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.10	17.78	18.03	17.64	18.43	18.52	....	....	....	18.86	18.66	18.27
10	18.00	17.66	18.01	17.99	18.24	18.72	....	....	....	18.56	18.22	18.19
15	18.09	17.88	18.05	17.93	18.63	18.83	....	....	....	18.65	18.55	18.07
20	17.97	17.58	17.84	18.37	18.56	19.02	....	....	....	18.50	18.30	18.15
25	18.08	17.95	17.95	18.30	18.61	18.73	....	....	....	18.50	18.21	18.12
Eom	17.90	18.12	17.56	18.50	....	18.88	....	....	....	18.77	18.35	18.09

Chowan County

361842076364001. Local number NC-31. U.S. Geol. Survey. Near Gliden. Drilled observation artesian well in Beaufort Formation of Paleocene age, diam 2 in (5.1 cm), depth 242 ft (74 m), cased to 232 ft (71 m), screened 232-242 ft (71-74 m). Lsd 37.50 ft (11.43 m) above msl. MP top of casing, 2.05 ft (0.62 m) above lsd. Highest water level 15.12 ft (4.61 m) below lsd, Feb. 25, 1965; lowest 17.32 ft (5.28 m) below lsd, Nov. 16-18, 1974. Records available: 1962-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	16.81	16.75	16.90	16.77	16.94	16.99	17.17	16.97	17.06	17.25	17.29	17.26
10	16.80	16.76	16.92	16.81	16.90	16.98	17.16	16.95	17.01	17.23	17.29	17.21
15	16.81	16.89	16.93	16.79	16.98	17.03	17.21	17.01	17.05	17.26	17.29	17.24
20	16.81	16.79	16.84	16.93	17.03	17.07	17.24	16.96	17.07	17.21	17.24	....
25	16.81	16.84	16.90	16.92	17.01	17.05	17.24	16.98	17.08	17.26	17.27	....
Eom	16.74	16.91	16.77	16.96	16.96	17.08	16.98	17.00	17.07	17.29	17.29	....

361427076393001. Local number NC-58. Chowan County High School. Near Icaria. Drilled unused artesian well in sands of Paleocene age, diam 8 in (20 cm), depth 320 ft (98 m), reported cased to 320 ft (98 m). Lsd 26.58 ft (8.10 m) above msl. MP top of casing, 0.90 ft (0.27 m) above lsd. Highest water level 7.91 ft (2.41 m) below lsd, Mar. 13, 1957; lowest 11.17 ft (3.40 m) below lsd, Nov. 13, 1973. Records available: 1955-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1974	10.94	May 14, 1974	10.68	Aug. 8, 1974	10.67	Nov. 13, 1974	10.79
Feb. 12	10.87	July 2	10.70	Oct. 3	10.81	Dec. 17	10.52
Apr. 4	10.62						

361350076392701. Local number NC-78. R. H. Hollowell. Near Tyner. Dug unused water-table well in sand of post-Miocene age, diam 36 in (91 cm), depth 14 ft (4 m), dug to 16 ft (5 m), cased to 16 ft (5 m), lined with concrete. Lsd 30 ft (9 m) above msl. MP top of instrument shelf, 2.35 ft (0.72 m) above lsd. Highest water level 0.78 ft (0.24 m) above lsd, Nov. 26, 1972; lowest 6.91 ft (2.11 m) below lsd, Dec. 6, 1973. Records available: 1962-74.

361350076392701--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	0.75	1.11	1.77	0.49	2.92	1.28	4.65	0.39	2.83	3.31	4.58	....
10	.65	1.11	2.26	.81	2.91	2.24	1.38	.55	.98	3.86	4.85	....
15	1.14	1.27	1.65	1.06	3.66	3.50	3.44	1.72	1.92	4.20	....	....
20	1.29	.66	.70	2.05	4.05	3.52	4.12	.54	2.50	2.98	....	2.35
25	.49	1.18	.83	2.67	4.02	3.73	1.74	1.04	1.60	3.97	....	.90
Eom	1.02	1.41	.57	3.34	2.00	4.08	.42	1.81	2.37	4.32	....	.88

Columbus County

341843078494001. Local number NC-23. Felton I. Granger. Chadbourn. Drilled unused artesian well in Peedee Formation of Late Cretaceous age; diam 6 in (15 cm); depth 69 ft (21 m), previously reported 100 ft (30 m); drilled to 106 ft (32 m); cased to 77 ft (23 m). Lsd 101 ft (31 m) above msl. MP top of casing, 1.05 ft (0.32 m) above lsd. Highest water level 19.23 ft (5.86 m) below lsd, Sept. 18, 19, 1974; lowest 29.70 ft (9.05 m) below lsd, Dec. 7, 8, 1973. Records available: 1965-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.96	28.67	28.29	28.09	28.10	28.29	19.86	19.76	19.36	19.30	19.70	19.85
10	29.02	28.75	28.39	27.96	28.29	28.10	19.80	19.65	19.29	19.37	19.78	19.73
15	28.94	28.58	28.35	27.81	28.46	25.30	19.82	19.60	19.30	19.45	19.87	19.70
20	28.88	28.44	28.06	27.89	28.45	20.14	19.79	19.52	19.24	19.47	19.85	19.58
25	28.83	28.32	28.10	27.83	28.54	19.94	19.84	19.50	19.24	19.53	19.91	19.41
Eom	28.63	28.30	28.14	27.81	28.62	19.82	19.89	19.44	19.25	19.65	19.94	19.30

Craven County

352309077102901. Local number NC-16. W. L. Elkes. Near Wilmar. Drilled observation artesian well in Peedee Formation of Late Cretaceous age, diam 2 in (5.1 cm), depth 322 ft (98 m), cased to 300 ft (91 m), screened 300-320 ft (91-98 m). Lsd 49 ft (15 m) above msl. MP top of casing, 0.30 ft (0.09 m) above lsd. Highest water level 15.01 ft (4.58 m) below lsd, Aug. 23, 1966; lowest 20.75 ft (6.32 m) below lsd, Nov. 28-30, 1974. Records available: 1962-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	20.30	20.39	20.42	20.32	20.52	20.45	20.57	20.63	20.55	20.62	20.58	20.66
10	20.30	20.39	20.40	20.40	20.50	20.46	20.60	20.55	20.56	20.61	20.62	20.64
15	20.44	20.38	20.52	20.36	20.51	20.52	20.64	20.54	20.56	20.57	20.71	20.63
20	20.40	20.31	20.33	20.43	20.53	20.57	20.70	20.55	20.56	20.61	20.60	20.63
25	20.36	20.42	20.47	20.44	20.52	20.55	20.69	20.54	20.58	20.62	20.68	20.58
Eom	20.44	20.46	20.25	20.52	20.42	20.51	20.67	20.54	20.58	20.59	20.74	20.61

351049077175501. Local number NC-44. City of New Bern. Cove City. Drilled observation artesian well in Black Creek Formation of Late Cretaceous age, diam 2 in (5.1 cm), depth 854 ft (260 m), multi-screened. Screened intervals: 705-715 ft (215-218 m), 781-786 ft (238-240 m), 828-833 ft (252-254 m). Lsd 36.73 ft (11.20 m) above msl. MP top of instrument shelf, 2.06 ft (0.63 m) above lsd. Highest water level 6.01 ft (1.83 m) below lsd, Aug. 25, 26, 1965; lowest 67.28 ft (20.51 m) below lsd, Oct. 20, 1974. Records available: 1965-74. Water levels affected by nearby pumping.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	60.83	60.98	60.52	61.16	62.31	63.63	65.90	65.70	66.84	65.75	65.55	65.74
10	62.02	60.23	60.97	60.95	62.34	63.82	65.96	65.57	66.31	66.49	65.43	65.37
15	62.00	60.17	61.10	60.83	62.91	64.44	66.89	65.78	66.09	66.34	65.68	64.93
20	.....	60.24	60.75	61.47	62.87	65.95	66.11	65.88	65.68	67.28	65.20	64.64
25	.....	60.01	62.53	62.03	63.53	65.11	65.96	65.50	65.64	66.96	65.16	64.87
Eom	.....	60.41	60.83	62.58	63.44	64.94	66.04	66.28	65.70	65.96	65.46	65.26

350455077105001. Local number NC-45. O. D. Simmons. Near Tuscarora. Drilled observation water-table well in Castle Hayne Limestone of middle and late Eocene age, diam 8 in (20 cm), depth 45 ft (14 m), cased to 42 ft (13 m). Lsd 35 ft (11 m) above msl. MP top of casing, 1.32 ft (0.40 m) above lsd. Highest water level 2.10 ft (0.64 m) below lsd, Oct. 25, 1971; lowest 13.04 ft (3.97 m) below lsd, Oct. 16, 1968. Records available: 1964-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	6.60	5.16	4.83	4.36	....	3.95	6.02	3.76	2.96	5.48	6.54	4.54
10	6.60	4.97	5.20	4.39	....	4.26	6.01	2.93	3.28	5.85	6.88	3.99
15	6.75	5.08	5.12	3.83	....	4.95	6.60	3.49	3.82	6.27	7.21	4.11
20	7.02	4.31	4.74	4.15	....	5.69	6.70	3.88	4.16	5.94	6.86	4.14
25	7.04	4.29	4.74	4.57	....	6.38	6.67	3.17	4.56	5.88	5.81	3.52
Eom	6.42	4.54	4.08	....	4.92	5.49	4.63	3.31	4.97	6.26	5.98	3.60

350904077130601. Local number NC-48. International Paper Co. Tuscarora. Drilled unused artesian well in sand of Black Creek Formation of Late Cretaceous age; diam 2 in (5.1 cm); depth 310 ft (94 m); drilled to 887 ft (270 m), previously reported 460 ft (140 m); cased to 440 ft (134 m). Lsd 38 ft (12 m) above msl. MP top of casing, 2.60 ft (0.79 m) above lsd. Highest water level 0.55 ft (0.17 m) above lsd, June 28, 1963; lowest 4.71 ft (1.44 m) below lsd, Nov. 10, 1974. Records available: 1962-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.41	4.47	4.28	4.14	4.29	4.28	4.47	4.42	4.43	4.68	4.70	4.56
10	4.43	4.29	4.19	4.16	4.28	4.28	4.47	4.36	4.45	4.61	4.71	4.54
15	4.49	4.30	4.17	4.14	4.32	4.31	4.49	4.43	4.47	4.65	4.68	4.53
20	4.46	4.17	4.08	4.24	4.36	4.42	4.56	4.45	4.47	4.66	4.66	4.56
25	4.47	4.21	4.13	4.21	4.34	4.41	4.57	4.42	....	4.69	4.64	4.57
Eom	4.48	4.28	4.03	4.29	4.28	4.39	4.46	4.42	....	4.69	4.63	4.63

345417076534001. Local number NC-64. Cherry Point U.S. Marine Corps Building 164. Havelock. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 4 in (10 cm), depth 120 ft (37 m), drilled to 122 ft (37 m), cased to 94 ft (29 m). Lsd 25.11 ft (7.65 m) above msl. MP top of casing, at lsd. Highest water level 17.56 ft (5.35 m) below lsd, Feb. 19, 1972; lowest 21.63 ft (6.59 m) below lsd, Aug. 27, 1968. Records available: 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.97	18.75	18.52	18.47	18.74	18.31	19.05	19.33	19.22	19.01	19.00	19.27
10	19.09	18.42	18.61	18.60	18.90	18.26	18.95	19.77	19.05	18.80	18.85	19.12
15	18.90	18.58	18.64	18.25	19.02	18.56	18.96	19.69	19.13	18.71	18.91	18.99
20	18.87	18.23	18.57	18.49	18.89	18.90	19.10	19.33	19.49	18.82	18.85	19.01
25	19.07	18.56	18.38	18.76	18.96	18.88	19.05	19.36	19.38	18.91	18.85	18.52
Eom	18.91	18.53	18.09	18.88	18.68	18.73	19.38	19.58	19.23	19.02	19.00	18.70

Cumberland County

345803078564901. Local number NC-84. Robert Deaver. Hope Mills. Drilled unused artesian well in slate of Paleozoic age, diam 8 in (20 cm), depth 410 ft (125 m), drilled to 509 ft (155 m), cased to 238 ft (73 m). Lsd 110 ft (34 m) above msl. MP top of instrument shelf, 1.80 ft (0.55 m) above lsd. Highest water level 31.99 ft (9.75 m) below lsd, Dec. 1, 2, 1974; lowest 92.03 ft (28.05 m) below lsd, June 3, 1967. Records available: 1966-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	32.52	32.68	32.35	32.15	32.23	32.45	32.90	32.68	32.47	32.49	32.32	32.27
10	32.57	32.60	32.54	32.27	32.17	32.48	32.82	32.58	32.39	32.40	32.40	32.16
15	32.55	32.69	32.35	32.15	32.20	32.59	32.89	32.56	32.39	32.41	32.42	32.16
20	32.56	32.52	32.25	32.27	32.29	32.62	32.84	32.54	32.37	32.39	32.16	32.15
25	32.60	32.46	32.38	32.26	32.24	32.67	32.74	32.48	32.34	32.61	32.21	32.09
Eom	32.53	32.40	32.20	32.24	32.31	32.79	32.76	32.50	32.33	32.42	32.29	32.16

Davie County

355339080332601. Local number NC-110. H. S. Larew. Formerly Kurfee Well. Near Mocksville. Dug unused water-table well in weathered granite of Paleozoic age, diam 36 in (91 cm), depth 28 ft (9 m), dug to 32 ft (10 m), lined with rock. Lsd 830 ft (253 m), previously reported 800.62 ft (244.03 m), above msl. MP top of wooden platform, 3.60 ft (1.10 m) above lsd. Highest water level 12.47 ft (3.80 m) below lsd, Apr. 1, 1973; lowest 28.66 ft (8.74 m) below lsd, Feb. 15, 1942. Records available: 1932-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1974	18.11	Apr. 6, 1974	14.71	July 6, 1974	17.24	Oct. 12, 1974	18.76
12	17.83	13	15.25	13	17.47	20	18.92
19	17.68	20	15.68	20	17.70	26	19.04
26	15.60	27	15.90	27	17.91	Nov. 2	19.20
30	15.75	4	16.14	3	18.18	9	19.36
Feb. 11	15.95	11	15.51	10	17.92	16	19.54
16	15.84	18	15.88	24	18.38	23	19.60
23	15.91	25	15.98	31	18.53	30	19.74
Mar. 2	15.96	June 1	16.09	Sept. 7	16.47	Dec. 7	19.21
9	16.18	8	16.41	14	18.01	14	18.78
16	16.36	15	16.55	21	18.18	21	18.69
23	15.33	22	16.73	28	17.76	28	18.36
30	13.86	29	17.01	Oct. 5	18.55		



Duplin County

350030078060001. Local number NC-69. Old City Well. Warsaw. Drilled unused water-table well in Black Creek Formation of Late Cretaceous age, diam 10 in (25 cm), depth 102 ft (31 m), cased to 102 ft (31 m). Lsd 145 ft (44 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 43.69 ft (13.32 m) below lsd, Feb. 23, 1967; lowest 49.89 ft (15.21 m) below lsd, Aug. 23, 1968. Records available: 1963-64, 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	46.66	45.30	45.10	45.41	44.81	45.37	44.95	.....	.....	44.76	45.41	44.89
10	45.67	45.21	45.08	44.60	45.25	45.15	46.02	.....	.....	45.54	45.01	44.89
15	45.61	45.15	44.96	44.53	45.06	45.21	45.61	.....	.....	45.83	45.44	44.88
20	45.57	45.01	44.79	44.57	45.12	45.87	45.77	.....	.....	44.92	44.90	44.83
25	46.94	45.02	44.80	44.70	45.20	45.64	46.11	.....	.....	45.20	44.92	44.76
Eom	45.46	45.02	44.60	45.29	45.62	45.00	.....	.....	.....	45.31	44.96	44.69

Edgecombe County

355845077264501. Local number NC-72. Melvin Howell. Speed. Drilled unused artesian well in sand of Tuscaloosa Formation of Late Cretaceous age, diam 4 in (10 cm), depth 94 ft (29 m), drilled to 100 ft (30 m), cased to 95 ft (29 m). Lsd 54.51 ft (16.61 m) above msl. MP top of casing, 1.90 ft (0.58 m) above lsd. Highest water level 0.17 ft (0.05 m) below lsd, Sept. 27, 1955; lowest 12.18 ft (3.71 m) below lsd, June 11, 1953. Records available: 1946-65, 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	4.96	4.71	4.57	4.89	5.77	6.98	6.23	5.43	5.27	5.55	5.75
10	5.72	4.89	4.75	4.38	4.97	6.05	6.90	5.72	5.25	5.33	5.62	5.67
15	5.73	5.01	4.87	4.45	5.07	6.22	6.71	5.46	5.29	5.51	5.73	5.34
20	5.52	4.60	4.59	4.57	5.35	6.61	6.40	5.67	5.40	5.59	5.77	5.22
25	5.30	4.60	4.72	4.79	5.38	6.83	6.61	5.53	5.33	5.72	5.96	5.45
Eom	5.33	4.77	4.49	4.82	4.95	6.74	6.49	5.43	5.42	5.65	5.90	5.26

Gates County

362044076362301. Local number NC-30. Mrs. T. W. Blanchard. Hobbsville. Drilled unused artesian well in the Black Creek Formation of Late Cretaceous age, diam 4 in (10 cm), depth 494 ft (151 m), cased to 494 ft (151 m). Lsd 38.16 ft (11.63 m) above msl. MP top of casing, 0.50 ft (0.15 m) above lsd. Highest water level 18.40 ft (5.61 m) below lsd, Mar. 8, 1962; lowest 22.58 ft (6.88 m) below lsd, Nov. 13, 1974. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1974	21.90	May 14, 1974	21.59	Aug. 8, 1974	21.80	Nov. 13, 1974	22.58
Feb. 11	21.45	July 2	21.95	Oct. 1	21.75	Dec. 17	21.98

362751076484701. Local number NC-54. Town of Roduco. Drilled unused artesian well in Beaufort Formation of Paleocene age, diam 4 in (10 cm), depth 231 ft (70 m), cased to 217 ft (66 m). Lsd 37.35 ft (11.38 m), previously reported 37.30 ft (11.37 m), above msl. MP top of recorder shelf, 1.80 ft (0.55 m) above lsd. Highest water level 12.84 ft (3.91 m) below lsd, Mar. 5, 1966; lowest 15.95 ft (4.86 m) below lsd, July 20, 21, 1974. Records available: 1965-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.85	14.96	.....	14.90	15.14	15.17	15.47	15.31	15.70	15.62	15.54	15.35
10	14.92	14.94	.....	15.02	15.04	15.12	15.42	15.29	15.47	15.60	15.68	15.30
15	14.84	.....	.....	14.21	15.14	15.21	15.64	15.37	15.48	15.80	15.85	15.35
20	14.91	.....	.....	14.31	15.27	15.21	15.86	15.45	15.62	15.68	15.49	15.27
25	14.89	.....	.....	15.10	15.13	15.28	15.72	15.54	15.52	15.52	15.49	15.35
Eom	14.85	.....	.....	15.13	15.04	15.25	15.43	15.65	15.73	15.53	15.57	15.44

Haywood County

352315082484401. Local number NC-40. Champion Paper & Fiber Co., Number 1. Near Cruso. Dug observation water-table well in phyllitic rock of the Snowbird Group of Precambrian age, diam 12 in (30 cm), depth 19 ft (6 m), cased to 19 ft (6 m). Lsd 3,148.26 ft (959.59 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 1.40 ft (0.43 m) below lsd, June 20, 1972; lowest 6.27 ft (1.91 m) below lsd, Nov. 1, 1963. Records available: 1955-74.

352315082484401--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	4.30	3.92	3.62	3.32	3.63	4.12	4.38	4.26	4.88	4.98	5.09	5.32
10	4.36	4.00	3.63	3.60	3.78	4.01	4.42	4.40	4.83	5.03	5.14	4.87
15	4.39	4.03	3.71	3.39	3.71	4.23	4.47	4.34	4.92	5.04	5.13	5.16
20	4.28	3.95	3.82	3.42	3.87	4.32	4.56	4.67	5.04	4.93	4.71	5.19
25	4.11	3.67	3.93	3.47	3.94	4.38	4.65	4.75	4.95	5.09	5.07	5.22
Eom	4.02	3.70	3.65	3.56	4.01	4.41	4.70	4.84	4.91	5.10	5.27	5.15

352419082541601. Local number NC-41. Champion Paper & Fiber Co., Number 2. Near Bethel. Dug observation water-table well in phyllitic rock of the Snowbird Group of Precambrian age, diam 12 in (30 cm), depth 24 ft (7 m), cased to 24 ft (7 m). Lsd 3,080 ft (939 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 8.00 ft (2.44 m) below lsd, Mar. 18, 1973; lowest 14.10 ft (4.30 m) below lsd, Nov. 17, 18, 1974. Records available: 1955-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	.....	11.30	9.56	11.60	11.84	12.33	12.66	13.13	13.59	13.98	13.48
10	....	.....	11.56	10.35	11.56	.....	12.37	12.60	13.19	13.67	14.03	13.15
15	....	.....	11.72	10.58	11.31	.....	12.46	12.74	13.26	13.76	14.08	13.02
20	....	11.26	11.83	11.03	11.56	.....	12.56	12.83	13.34	13.78	13.67	12.97
25	....	10.55	11.82	11.32	11.70	12.13	12.65	12.94	13.42	13.86	13.80	12.92
Eom	....	10.88	11.68	11.51	11.71	12.24	12.75	13.04	13.51	13.95	13.93	12.54

352508082552501. Local number NC-42. Champion Paper & Fiber Co., Number 3. Lake Logan (previously reported near Logans). Dug observation water-table well in phyllitic rock of the Snowbird Group of Precambrian age, diam 24 in (61 cm), depth 22 ft (7 m), cased to 22 ft (7 m). Lsd 3,040.3 ft (926.7 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 7.65 ft (2.33 m) below lsd, Mar. 13, 1963; lowest 18.63 ft (5.68 m) below lsd, Jan. 20-25, 1956. Records available: 1955-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.24	11.56	11.71	9.54	12.35	12.95	14.01	15.14	15.69	16.38	16.82	16.93
10	11.58	11.44	12.12	10.69	12.38	12.89	14.22	15.21	15.81	16.44	16.87	16.82
15	11.89	11.64	12.47	10.83	12.24	13.09	14.43	15.27	15.92	16.53	16.90	16.69
20	12.24	11.62	12.72	11.36	12.35	13.29	14.64	15.34	16.05	16.57	16.90	16.63
25	12.42	11.17	12.93	11.72	12.51	13.50	14.83	15.45	16.15	16.66	16.89	16.62
Eom	12.09	11.39	12.83	12.04	12.73	13.78	15.02	15.97	16.25	16.76	16.95	16.31

Hertford County

362642077051501. Local number NC-81. Town of Murfreesboro. Murfreesboro. Drilled public-supply (standby) artesian well in Black Creek Formation of Late Cretaceous age, diam 3 in (7.6 cm), depth 215 ft (66 m), cased to 215 ft (66 m). Lsd 13.09 ft (3.99 m), previously reported 10 ft (3 m), above ms1. MP top of casing, 4.89 ft (1.49 m) above lsd. Highest water level 6.26 ft (1.91 m) above lsd, Apr. 8, 1964; lowest 1.12 ft (0.34 m) below lsd, Sept. 25, 1971. Records available: 1964-74.

Mean water level for the day, above lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	+3.21	+3.33	+3.09	+3.02	+2.84	+2.96	+2.81	+2.61	+2.68	+2.57
10	....	....	3.15	3.21	3.09	3.03	2.86	3.00	2.88	2.65	2.68	2.59
15	....	+3.17	3.16	3.20	3.09	2.95	2.81	2.91	2.96	2.61	2.55	2.61
20	....	3.28	3.24	3.20	3.03	2.91	2.96	2.89	2.81	2.63	2.59	2.76
25	....	3.24	3.15	3.08	3.08	2.94	2.96	2.91	2.79	2.68	2.55	2.83
Eom	....	3.19	3.32	3.09	3.10	2.90	2.96	2.89	2.78	2.68	2.53	2.83

362351076555401. Local number NC-82. Town of Winton. Drilled unused artesian well in sand of Black Creek Formation of Late Cretaceous age; diam 8 in (20 cm); depth 283 ft (86 m); drilled to 309 ft (94 m), previously reported 291 ft (89 m); cased to 237 ft (72 m). Lsd 41.70 ft (12.71 m) above ms1. MP top of instrument shelf, 0.70 ft (0.21 m) above lsd. Highest water level 27.58 ft (8.41 m) below lsd, Sept. 17, 1967; lowest 30.35 ft (9.25 m) below lsd, Mar. 18, 1973. Records available: 1966-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	29.01	28.86	28.80	28.88	28.94	28.94	28.98	29.02	29.15	29.06	29.17
10	29.00	29.02	28.91	29.00	28.86	28.92	28.94	28.97	28.96	29.12	29.22	29.20
15	28.76	28.97	29.10	28.84	28.89	28.97	28.96	28.96	28.96	29.04	29.17	29.20
20	28.81	28.92	28.96	28.93	28.95	28.97	29.00	28.95	28.94	29.23	29.02	29.11
25	28.90	28.98	29.02	29.02	28.92	28.96	29.01	28.95	29.03	29.12	29.09	29.03
Eom	28.90	29.03	28.98	28.88	28.91	28.91	29.00	28.96	28.97	29.10	29.27	29.10

Hoke County

350340079212501. Local number NC-35. North Carolina Tuberculosis Sanitarium. McCain. Drilled unused artesian well in Tuscaloosa Formation of Late Cretaceous age, diam 24 in (61 cm), depth 76 ft (23 m), drilled 309 ft (94 m), cased to 309 ft (94 m), gravel-walled. Lsd 355 ft (108 m) above msl. MP top of casing, 1.40 ft (0.43 m) above lsd. Highest water level 1.60 ft (0.49 m) below lsd, May 7, 1973; lowest 8.27 ft (2.52 m) below lsd, Oct. 14, 1968. Records available: 1965-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	4.13	May 20, 1974	4.91	Aug. 9, 1974	5.38	Nov. 18, 1974	5.10
Feb. 25	3.94	July 8	5.40	Oct. 3	4.57	Dec. 16	4.91
Apr. 9	4.37						

Jones County

350103077150601. Local number NC-73. Oak Grove Marine Air Station. Near Pollocksville. Driven unused water-table well in Castle Hayne Limestone Formation of middle and late Eocene age, diam 8 in (20 cm), depth 18 ft (5 m), cased to 18 ft (5 m). Lsd 11.31 ft (3.45 m) above msl. MP top of instrument shelf, 3.40 ft (1.04 m) above lsd. Highest water level 4.40 ft (1.34 m) below lsd, Nov. 5, 1971; lowest 10.12 ft (3.08 m) below lsd, Jan. 19, 20, 1969. Records available: 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	9.15	9.07	8.64	8.50	8.51	8.39	8.65	8.09	....	7.56	8.44	....
10	9.11	8.92	8.73	8.55	8.45	8.23	8.75	7.03	....	7.67	8.58	....
15	9.07	8.93	8.66	8.50	8.54	8.30	8.84	6.43	....	7.84	....	....
20	9.11	8.79	8.75	8.42	8.69	8.45	8.92	6.35	....	7.97	....	8.27
25	9.11	8.61	8.66	8.44	8.66	8.63	8.91	6.23	....	8.10	....	8.19
Eom	9.17	8.57	8.50	8.48	8.60	8.49	8.50	....	....	8.29	....	8.14

Lenoir County

35030607744201. Local number NC-51. Pink Hill School. Pink Hill. Drilled unused water-table well in Peedee Formation of Late Cretaceous age, diam 4 in (10 cm), depth 151 ft (46 m), drilled to 195 ft (59 m), cased to 125 ft (38 m). Lsd 134 ft (41 m) above msl. MP top of instrument shelf, 1.45 ft (0.44 m) above lsd. Highest water level 52.03 ft (15.86 m) below lsd, Apr. 8, 1973; lowest 59.64 ft (18.18 m) below lsd, July 20, 21, 1970. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	54.61	54.07	53.67	53.28	53.24	53.15	53.45	53.40	53.16	....	....	....
10	54.54	54.01	53.67	53.30	53.24	53.14	53.36	53.27	53.09	....	....	....
15	54.49	53.93	53.66	53.14	53.30	53.18	53.39	53.28	53.13	....	....	....
20	54.43	53.74	53.47	53.28	53.28	53.28	53.55	53.22	53.14	....	....	53.54
25	54.36	53.74	53.51	53.24	53.24	53.29	53.46	53.13	53.17	....	....	53.47
Eom	54.17	53.76	53.30	53.24	53.18	53.34	53.56	53.16	53.17	....	....	53.47

Macon County

351516083243701. Local number NC-117. Claude Leatherman. Wests Mill. Dug domestic water-table well in biotite gneiss of Paleozoic age; diam 30 in (76 cm); depth 64 ft (20 m), previously reported 63 ft (19 m); lined with tile. Lsd 2,120 ft (646 m), previously reported 2,060 ft (628 m), above msl. MP top of concrete well top, 0.14 ft (0.04 m) above lsd (since January 1974). Highest water level 38.96 ft (11.88 m) below lsd, Sept. 17, 1962; lowest 59.98 ft (18.28 m) below lsd, Mar. 9, 1964. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 8, 1974	47.50	Apr. 1, 1974	45.81	July 1, 1974	43.44	Sept. 19, 1974	45.88
Feb. 21	47.14	May 14	43.98	Aug. 13	44.14	Nov. 12, 1974	47.38

Martin County

355734077180001. Local number NC-43. Martin County Board of Education. West Martin School. Oak City. Drilled unused artesian well in Black Creek Formation of Late Cretaceous age, diam 4 in (10 cm), depth 88 ft (27 m), drilled to 88 ft (27 m), cased to 88 ft (27 m). Lsd 81.75 ft (24.92 m), previously reported 81.66 ft (24.89 m), above msl. MP top of instrument shelf, 1.73 ft (0.53 m) above lsd. Highest water level 11.67 ft (3.56 m) below lsd, June 8, 1961; lowest 19.32 ft (5.89 m) below lsd, Nov. 8, 9, 1968. Records available: 1959-74.

355734077180001--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	13.07	12.67	12.44	12.31	13.26	13.62	14.20	14.65	12.96	13.12	14.04	14.58
10	12.81	12.51	12.65	12.30	13.40	13.50	14.45	13.70	13.04	13.25	14.12	14.15
15	12.72	12.55	12.84	12.34	13.49	13.53	14.63	13.17	13.05	13.52	14.37	13.72
20	12.71	12.45	12.83	12.51	13.63	13.68	15.02	12.92	13.12	13.69	14.36	13.44
25	12.72	12.30	12.76	12.75	13.77	13.80	15.20	12.87	13.16	13.72	14.51	13.33
Eom	12.69	12.33	12.40	12.89	13.76	13.99	15.09	12.90	13.10	13.93	14.84	13.20

Moore County

350636079283601. Local number NC-122. H. A. Keith. Pinebluff. Dug unused water-table well in sands of Cape Fear and Middendorf Formations of Late Cretaceous age, diam 24 in (61 cm), depth 47 ft (14 m), cribbed with brick. Lsd 412 ft (126 m) above msl. MP top of wooden platform, 3.55 ft (1.08 m) above lsd. Highest water level 28.71 ft (8.75 m) below lsd, Oct. 8, 1971; lowest dry, several times, 1951-52. Records available: 1944-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	33.09	May 20, 1974	34.02	Aug. 9, 1974	32.40	Nov. 18, 1974	32.87
Feb. 25	32.26	July 8	39.43	Oct. 3	33.00	Dec. 16	32.52
Apr. 9	32.71						

New Hanover County

341000077524201. Local number NC-20. Walter J. Hodder. Near Wilmington. Drilled unused artesian well in Peedee Formation of Late Cretaceous age; diam 3 in (7.6 cm), previously reported 4 in (10 cm); depth 169 ft (52 m); drilled to 173 ft (53 m); cased to 173 ft (53 m). Lsd 21.30 ft (6.49 m) above msl. MP top of recorder shelf, 0.06 ft (0.02 m) above lsd. Highest water level 9.42 ft (2.87 m) below lsd, June 10, 1966; lowest 19.94 ft (6.08 m) below lsd, June 10, 1973. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	14.82	15.34	.....	17.57	16.98	16.70	13.75	14.24	15.58	14.92
10	14.64	.....	15.77	15.72	.....	17.50	16.56	17.02	13.74	14.43	15.36	14.88
15	14.86	.....	16.04	15.72	.....	17.47	16.52	15.30	13.74	15.02	15.22	14.86
20	.....	14.17	15.99	15.75	17.88	17.38	16.79	13.80	13.71	14.70	15.16	14.70
25	.....	14.46	.....	16.38	17.66	17.88	16.75	13.77	13.69	14.76	15.36	14.84
Eom	.....	14.52	.....	18.41	17.63	17.84	16.73	13.76	13.67	15.09	15.27	.....

Northampton County

361608077162601. Local number NC-27. Boomer Ice Co. Rich Square. Drilled unused artesian well in sand of Cape Fear and Middendorf Formations of Late Cretaceous age, diam 8 in (20 cm), depth 57 ft (17 m), drilled to 88 ft (27 m), cased to 78 ft (24 m). Lsd 74.44 ft (22.69 m) above msl. MP top of instrument shelf, 1.70 ft (0.52 m) above lsd. Highest water level 4.86 ft (1.48 m) below lsd, Feb. 25, 1960; lowest 14.36 ft (4.38 m) below lsd, Jan. 4, 1967. Records available: 1958-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	11.17	9.92	8.44	10.30	9.88	11.46	.....	11.45	11.53	12.16	12.47
10	12.16	11.06	10.27	8.33	10.32	10.18	11.57	11.14	10.68	11.63	12.21	12.30
15	12.13	11.09	10.42	8.33	10.62	10.64	11.72	11.32	10.96	11.80	12.37	12.23
20	12.22	9.92	9.68	9.18	10.61	10.93	11.90	11.10	11.20	11.85	12.38	12.17
25	12.06	9.45	9.86	9.60	10.31	11.12	12.04	10.98	11.13	11.98	12.50	11.92
Eom	11.13	9.73	8.55	10.00	9.38	11.27	12.14	11.24	11.36	12.05	12.54	11.88

Onslow County

344425077272501. Local number NC-52. Camp Geiger, U.S. Marine Corps. Near Jacksonville. Drilled unused water-table well in Castle Hayne Limestone of middle and late Eocene age, diam 18 in (46 cm), depth 68 ft (21 m), drilled to 70 ft (21 m), cased to 23 ft (7 m). Lsd 24.45 ft (7.45 m) above msl. MP top of recorder shelf, 1.90 ft (0.58 m) above lsd. Highest water level 2.28 ft (0.69 m) below lsd, Aug. 25, 1974; lowest 10.44 ft (3.18 m) below lsd, Jan. 3, 1966. Records available: 1963-74.

344425077272501--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	5.95	4.50	5.03	4.68	5.60	4.05	4.96	4.58	4.42	5.89	6.80	6.52
10	5.73	4.39	5.33	4.25	5.76	4.60	4.72	2.68	4.54	6.23	7.03	5.97
15	5.96	4.76	5.63	3.72	5.66	4.26	5.24	3.37	5.03	6.39	7.30	6.12
20	6.25	3.78	5.53	4.50	5.49	4.77	5.03	3.67	5.20	6.15	7.10	5.91
25	5.75	4.22	5.72	5.03	4.95	5.24	4.66	2.41	5.51	6.29	7.27	5.16
Eom	4.99	4.69	4.65	5.29	4.47	4.32	4.87	3.85	5.70	6.54	7.49	5.07

344525077254501. Local number NC-85. Carolina Power & Light Co. Jacksonville. Drilled unused water-table well in Castle Hayne Limestone of middle and late Eocene age, diam 8 in (20 cm), depth 106 ft (32 m), cased to 106 ft (32 m). Lsd 20 ft (6 m) above msl. MP top of instrument shelf, 3.20 ft (0.98 m) above lsd. Highest water level 6.86 ft (2.09 m) below lsd, June 10, 1964; lowest 21.76 ft (6.63 m) below lsd, June 21, 1970. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	12.78	12.76	12.28	12.86	14.12	13.53	16.05	16.09	15.98	15.39	15.01	13.69
10	13.12	12.60	12.69	12.84	13.24	14.45	15.22	16.04	15.63	14.98	14.57	13.63
15	13.18	12.68	12.70	12.42	13.59	14.73	15.53	15.85	15.97	14.94	14.32	13.55
20	12.78	12.17	12.55	12.47	13.86	15.87	16.21	16.20	15.70	14.05	13.91	13.45
25	12.87	12.36	12.85	12.45	13.95	15.52	15.86	15.97	15.62	14.48	13.92	13.10
Eom	12.66	11.93	12.76	13.80	13.30	15.21	15.85	16.31	15.59	14.38	13.97	11.75

Orange County

355522079043001. Local number NC-126. McCauley. Chi Psi Fraternity. Chapel Hill. Dug unused water-table well in weathered granite of Paleozoic age, diam 36 in (91 cm), depth 48 ft (15 m), lined with rock. Lsd 511.50 ft (155.91 m), previously reported 513.72 ft (156.58 m), above msl. MP gage pointer, 3.24 ft (0.99 m) above lsd. Highest water level 36.43 ft (11.10 m) below lsd, May 9, 1960; lowest dry, Oct. 11, Dec. 31, 1940. Records available: 1938-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	42.32	Apr. 8, 1974	42.28	July 15, 1974	41.49	Oct. 7, 1974	42.63
14	42.45	16	42.29	22	41.72	14	42.76
21	42.48	22	42.40	29	41.67	21	42.92
28	42.53	29	42.13	5	41.90	28	42.96
Feb. 4	42.56	May 6	41.97	Aug. 12	41.86	Nov. 4	43.04
11	42.52	13	42.17	19	42.02	11	43.15
18	42.50	20	41.86	26	42.12	18	43.22
25	42.53	28	41.57	Sept. 2	42.23	25	43.32
Mar. 4	42.46	June 3	41.47	9	42.23	Dec. 2	43.32
11	42.51	10	41.41	16	42.37	9	43.39
18	42.38	17	41.27	21	42.46	16	43.43
25	42.49	24	41.41	28	42.60	30	43.52
Apr. 1	42.39	July 8	41.53				

Pamlico County

351523076335901. Local number NC-46. L. T. Sadler. Hobucken. Drilled unused artesian well in Castle Hayne Limestone of middle and late Eocene age, diam 1.5 in (3.8 cm), depth 29 ft (9 m), drilled to 219 ft (67 m), cased to 200 ft (61 m). Lsd 4 ft (1 m) above msl. MP top of instrument shelf, 3.20 ft (0.98 m) above lsd. Highest water level 0.10 ft (0.03 m) below lsd, Oct. 11, 1965; lowest 3.81 ft (1.16 m) below lsd, Dec. 11, 14, 1968. Records available: 1965-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Feb. 4, 1974	2.48	May 23, 1974	1.56	July 31, 1974	2.60	Nov. 12, 1974	2.34
Mar. 13	2.48	June 26	2.35	Oct. 3	2.59	Dec. 17	2.49
Apr. 18	2.54						

Pasquotank County

361833076173001. Local number NC-86. C. T. Winslow. Elizabeth City. Dug unused water-table well in sands of post-Miocene age, diam 18 in (46 cm), depth 8 ft (2 m), lined with tile. Lsd 12.53 ft (3.82 m) above msl. MP top of instrument shelf, 2.70 ft (0.82 m) above lsd. Highest water level 1.70 ft (0.52 m) above lsd, Feb. 26, 1968; lowest 8.00 ft (2.44 m) below lsd, Dec. 21, 1943. Records available: 1935-74.

Mean water level for the day, above and below lsd, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	-3.23	-1.28	-1.73	-0.09	-2.34	-1.09	-3.71	+0.12	-1.51	-2.19	-2.97	-2.73
10	1.29	2.21	1.97	.05	1.87	1.42	3.89	-.51	.47	2.52	3.38	2.22
15	1.78	2.92	1.47	.45	2.33	2.02	4.24	1.08	1.30	2.91	3.72	2.29
20	-2.63	.08	.81	1.56	2.82	2.57	4.51	.89	1.29	1.87	3.75	2.10
25	+0.04	1.17	-1.09	1.82	3.06	2.94	4.69	.00	1.24	2.27	3.97	1.27
Eom	-.71	1.49	+0.4	2.04	1.79	3.26	-2.10	.93	1.73	2.73	4.12	1.02

Pender County

342500077553001. Local number NC-26. Arvida Farms. Rocky Point. Drilled unused artesian well in Peedee Formation of Late Cretaceous age, diam 6 in (15 cm), depth 141 ft (43 m), cased to 141 ft (43 m). Lsd 20 ft (6 m), previously reported 25 ft (8 m), above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.97 ft (0.30 m) below lsd, May 14, 15, 1966; lowest 6.25 ft (1.91 m) below lsd, May 5, 1966. Records available: 1964-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.68	1.36	1.78	1.74	2.16	1.78	1.98	2.16	1.15	1.84	2.05	1.60
10	1.68	1.30	1.91	1.55	2.14	1.94	1.93	1.41	1.14	1.96	2.14	1.42
15	1.80	1.48	2.05	1.60	1.84	2.13	2.02	1.28	1.39	2.07	2.17	1.41
20	1.87	1.37	1.98	1.73	1.91	2.30	2.23	1.27	1.47	1.94	2.09	1.40
25	1.72	1.46	1.98	1.90	2.92	2.44	2.13	1.38	1.68	1.89	1.96	1.40
Fom	1.64	1.62	1.69	2.06	1.72	2.06	2.16	1.22	1.67	1.97	2.00	1.23

Perquimans County

360546076201701. Local number NC-33. Harveys Point Defense Base. Harveys Neck. Drilled unused artesian well in Yorktown Formation of early and late Pliocene age, diam 8 in (20 cm), depth 66 ft (20 m), cased to 66 ft (20 m). Lsd 3.30 ft (1.01 m) above msl. MP top of instrument shelf, 1.20 ft (0.37 m) above lsd. Highest water level 1.58 ft (0.48 m) below lsd, Mar. 18, 1968; lowest 18.13 ft (5.53 m) below lsd, Sept. 20, 1972. Records available: 1961-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	....	....	3.57	2.27	5.35	4.68	7.75	7.29	5.59	7.31	7.94	7.33
10	4.44	....	4.12	2.29	5.37	5.37	7.53	4.81	5.56	7.54	8.05	7.21
15	6.82	3.83	4.32	2.42	5.59	5.96	7.71	5.64	6.09	7.74	8.13	7.10
20	6.82	2.16	3.03	3.70	6.14	7.31	8.25	4.93	6.45	7.48	7.94	7.35
25	4.43	2.48	2.97	4.30	6.61	7.18	8.01	4.14	6.57	8.72	8.01	6.43
Fom	....	3.04	1.77	4.96	5.89	7.18	7.27	4.87	6.89	7.89	7.96	5.84

Sampson County

350030078194001. Local number NC-24. City of Clinton. Drilled unused artesian well in Cape Fear and Middendorf Formations of Late Cretaceous age, diam 8 in (20 cm), depth 325 ft (99 m), originally drilled to 385 ft (117 m), multi-screened, top of screens 257 and 307 ft (78 and 94 m). Lsd 157.5 ft (48.0 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd (since Mar. 4, 1974). Highest water level 17.83 ft (5.43 m) below lsd, Oct. 13, 1964; lowest 28.69 ft (8.74 m) below lsd, Oct. 15, 1970. Records available: 1963-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	26.34	25.77	24.53	23.85	24.42	24.61	25.72	24.91	23.46	24.24	24.78	25.30
10	26.29	25.65	24.42	24.11	24.39	24.94	25.55	23.96	23.34	24.36	25.18	25.32
15	26.32	25.48	24.62	23.81	24.34	25.12	25.93	23.77	23.58	24.55	25.13	25.36
20	26.26	25.13	24.28	23.81	24.36	25.16	25.74	23.51	23.62	24.44	25.08	25.42
25	26.12	24.95	24.22	24.14	24.42	25.05	25.59	23.38	23.80	24.59	25.21	25.35
Fom	25.95	24.93	24.09	24.30	24.78	25.07	25.22	23.42	23.26	24.72	25.30	25.31

Transylvania County

351808082374301. Local number NC-127. Neal Hawkins. Formerly C. F. Baldwin. Blantyre. Dug unused water-table well in granite of Paleozoic age; diam 5 ft (2 m); depth 48 ft (15 m), previously reported 50 ft (15 m); lined with rock. Lsd 2,146.39 ft (654.22 m), previously reported 2,205.39 ft (672.20 m), above msl. MP nail in 4- x 4-in (10- x 10-cm) stringer, 1.00 ft (0.30 m) above lsd (since January 1978). Highest water level 25.84 ft (7.88 m) below lsd, May 21, 1973, May 13, 1974; lowest 41.32 ft (12.59 m) below lsd, Jan. 2, 1945, Dec. 25-27, 1954, Jan. 2, 3, 7, 1955. Records available: 1932-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	29.97	Apr. 8, 1974	26.40	July 8, 1974	27.58	Oct. 7, 1974	29.93
14	29.49	15	26.38	15	27.85	14	30.17
21	29.14	22	26.35	22	28.12	21	30.38
28	28.64	24	26.20	29	28.48	28	30.66
Feb. 4	28.24	29	26.21	Aug. 5	28.69	Nov. 4	30.93
11	27.98	May 6	26.01	12	28.98	11	31.20
18	27.63	13	25.84	19	29.06	18	31.43
19	27.42	20	26.20	26	29.05	25	31.64
25	27.26	27	26.23	Sept. 2	28.98	Dec. 2	31.81
4	27.02	18	26.81	9	29.10	9	31.96
Mar. 11	26.74	June 24	26.89	16	29.27	16	32.06
18	26.53	26	27.09	23	29.48	23	32.10
25	26.48	July 1	27.28	30	29.64	30	32.05
Apr. 1	26.41						

Washington County

354834076255001. Local number NC-65. M. V. Cahoon Farm. Near Creswell. Drilled unused artesian well in Castle Hayne Limestone Formation of middle and late Eocene age, diam 2 in (5.1 cm), depth 228 ft (69 m), drilled to 249 ft (76 m), cased to 249 ft (76 m). Lsd 6 ft (2 m) above msl. MP top of instrument shelf, 2.80 ft (0.85 m) above lsd. Highest water level 0.29 ft (0.09 m) above lsd, May 3, 1972; lowest 2.45 ft (0.75 m) below lsd, Oct. 20, 1970. Records available: 1967-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.76	1.60	1.55	1.42	1.48	1.53	1.62	1.65	1.48	1.75	1.70	1.66
10	1.71	1.59	1.55	1.41	1.48	1.52	1.53	1.53	1.52	1.67	1.72	1.65
15	1.80	1.63	1.55	1.39	1.51	1.53	1.48	1.56	1.52	1.72	1.73	1.69
20	1.73	1.49	1.43	1.46	1.55	1.56	1.62	1.50	1.53	1.62	1.72	1.66
25	1.81	1.51	1.50	1.43	1.54	1.46	1.67	1.47	1.55	1.75	1.73	1.70
Eom	1.65	1.65	1.27	1.54	1.47	1.56	1.61	1.46	1.54	1.74	1.78	1.71

## References

- Floyd, E. O., and Peace, R. R., 1974, An appraisal of the ground-water resources of the upper Cape Fear River Basin, North Carolina: U.S. Geol. Survey and North Carolina Dept. of Water and Air Resources, Ground-water Bull. 20.
- North Carolina Dept. of Natural and Economic Resources, 1974, Status report on ground-water conditions in capacity use area No. 1, central Coastal Plain, North Carolina: Ground-water Bull. 21.

# SOUTH CAROLINA

The observation-well program in South Carolina, begun in 1946, has been continued and expanded during 1974 in cooperation with the South Carolina Water Resources Commission. Figure 9 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

Local well numbers are designated by abbreviations derived from county names and followed by serial numbers. Thus, AK-183 represents well number 183 in Aiken County. Wells with local numbers S-411, S-138, and 4-M are Aiken County wells within the Savannah River Plant.

## Well Descriptions and Water-Level Measurements

Water levels are reported in feet above mean sea-level or in feet below land-surface datum for all wells. The mean level for the day is reported for all wells monitored by A.D.R. recorders. The noon (1200) reading for the day is reported for all wells monitored by Type F (graphic) recorders. In October of 1974, all Type F recorders, except those on the Aiken County wells, were replaced with A.D.R. recorders.

### Aiken County

331940081443501. Local number 4-M. U.S. Atomic Energy Commission. Savannah River Plant. Drilled unused artesian well in sands of Cape Fear and Middendorf Formations of Late Cretaceous age; diam 18 in (46 cm) to 318 ft (97 m), 8 in (20 cm) 279-605 ft (85-184 m); depth 605 ft (184 m); cased to 605 ft (184 m); screened 390-400 ft (119-122 m), 455-465 ft (139-142 m), 590-600 ft (180-183 m). Lsd 357 ft (109 m) above msl. MP top of casing, at lsd. Highest water level 148.62 ft (44.14 m) below lsd, Feb. 23, 1966; lowest 159.22 ft (48.53 m) below lsd, May 29, 1957. Records available: 1955-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	148.84	148.48	148.13	148.05	147.95	148.32	148.40	148.24	148.44	148.69	148.02	148.29
10	148.81	148.32	148.11	148.14	148.12	148.07	148.20	148.27	148.39	148.60	148.08	148.17
15	148.75	148.34	148.29	147.85	148.28	148.23	148.11	148.28	148.33	148.50	148.28	148.16
20	148.59	148.11	148.07	148.29	148.16	148.33	148.27	148.29	148.45	148.52	148.10	148.13
25	148.69	148.20	148.14	148.15	148.25	148.18	148.20	148.32	148.41	148.45	148.14	147.97
Eom	148.52	148.42	147.91	147.91	148.19	148.35	148.33	148.46	148.15	148.28	148.10	148.08

332555081531501. Local number AK-183. Lyles and Lang Construction Co. Near Beech Island. Drilled unused artesian well in sands of Late Cretaceous age, diam 10 in (25 cm), depth 320 ft (98 m), cased to 320 ft (98 m), screened 290-320 ft (88-98 m). Lsd 254 ft (77 m) above msl. MP top of casing, 0.85 ft (0.26 m) above lsd. Highest water level (revised), 89.92 ft (27.41 m) below lsd, Mar. 15, 1966; lowest 99.43 ft (30.31 m) below lsd, Mar. 4, 1958. Records available: 1952-74. Recorder vandalized in September 1974 and not reinstalled until January 1975.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	93.36	93.08	.....	93.92	.....	94.02	93.86	94.00	.....	.....	.....
10	.....	93.20	93.44	.....	93.72	.....	94.04	93.84	.....	.....	.....	.....
15	93.23	92.94	93.26	.....	93.72	.....	94.09	93.84	93.34	.....	.....	.....
20	93.12	93.02	93.18	.....	93.84	.....	94.09	.....	.....	.....	.....	.....
25	93.30	93.14	93.37	.....	93.58	.....	93.82	94.19	.....	.....	.....	.....
Eom	93.18	93.22	93.30	93.68	93.72	94.02	94.08	93.51	.....	.....	.....	.....

331705081391501. Local number S-138. U.S. Atomic Energy Commission. Savannah River Plant. Drilled unused artesian well in sand of Eocene age, diam 3 in (7.6 cm), depth 90 ft (27 m), casing depth not applicable. Lsd 292 ft (89 m) above msl. MP top of casing, 0.88 ft (0.27 m) above lsd. Highest water level 32.30 ft (9.85 m) below lsd, Apr. 28, 1960; lowest 54.68 ft (16.67 m) below lsd, Feb. 12, 1955. Records available: 1951-60, 1966, 1968-69, 1972-74.



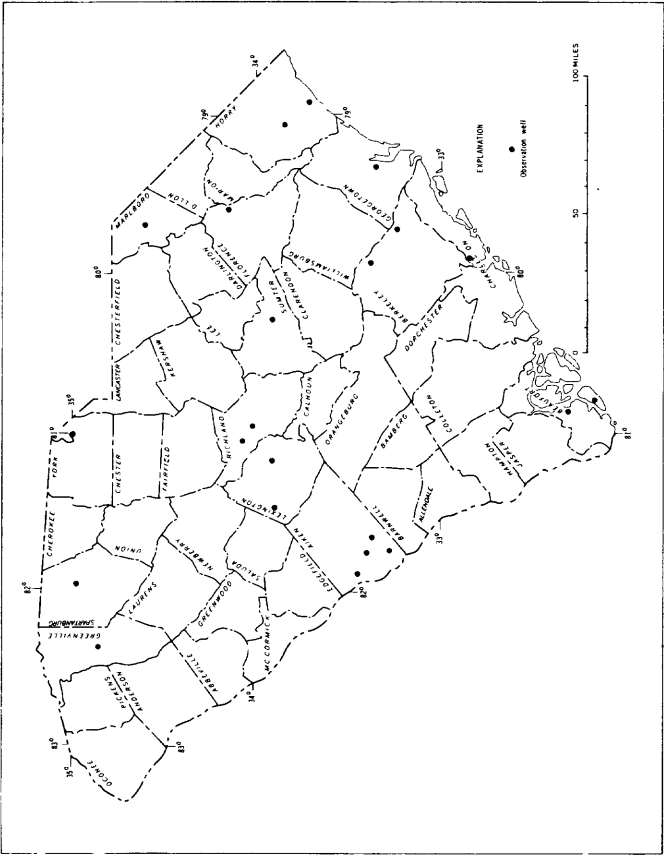


Figure 9.--Location of observation wells in South Carolina, 1974.

331705081391501--Continued.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	43.75	44.69	.....	44.09	44.16	44.79	45.30	45.88	45.60	.....	45.68	46.08
10	43.92	44.53	44.91	44.20	44.26	44.83	45.37	45.70	45.65	.....	45.82	46.11
15	44.07	44.34	43.97	44.00	44.42	44.94	45.51	45.67	45.67	45.39	45.95	46.48
20	44.14	43.90	43.86	44.18	44.49	45.10	45.62	45.50	45.73	45.51	45.91	46.67
25	44.28	44.05	44.15	44.17	44.49	45.09	45.73	45.53	45.75	45.53	46.03	46.68
Eom	44.36	44.15	43.93	44.20	44.60	45.26	45.79	45.54	45.74	45.70	46.05	46.86

331320081440501. Local number S-411. U.S. Atomic Energy Commission. Savannah River Plant. Drilled unused artesian well in sand of Late Cretaceous age, diam 2 in (5.1 cm), depth 270 ft (82 m), cased to 265 ft (81 m). Lsd 157.53 ft (48.02 m) above msl. MP top of casing, 17.82 ft (5.43 m) above lsd. Highest water level 173.13 ft (52.77 m) above msl, Apr. 17, 1964; lowest 167.53 ft (51.06 m) above msl, Sept. 10, 1956. Records available: 1952-60, 1966, 1971-74. In the last water-supply paper, WSP 2171, the water-level measurements were referred to lsd; beginning in 1974 they are referred to msl.

Water level at noon, above msl, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	170.72	170.95	.....	171.20	171.07	170.79	171.51	170.44	170.26	169.95	169.95	169.82
10	170.82	171.21	171.54	171.41	170.98	170.53	171.54	170.51	170.28	169.99	169.92	169.82
15	170.87	171.30	171.45	171.64	170.87	170.77	171.45	.....	170.29	169.97	169.86	169.89
20	170.99	171.48	171.58	171.19	170.87	170.65	170.39	170.39	170.21	169.90	170.01	169.99
25	170.98	171.52	171.49	171.06	170.91	170.67	170.38	170.32	170.14	169.85	169.92	170.03
Eom	171.09	171.39	.....	171.03	170.93	171.47	170.42	170.21	170.13	169.88	169.89	170.02

Beaufort County

321551080491003. Local number BFT-429. South Carolina Wildlife and Marine Resources Dept. Victoria Bluff, on the coast, northwest of Hilton Head Island. Drilled observation artesian well in limestone of late Eocene age, diam 6 in (15 cm), depth 300 ft (91 m), cased to 100 ft (30 m), open hole below 100 ft (30 m). Lsd 22.0 ft (6.7 m) above msl. MP top of casing, 1.85 ft (0.56 m) above lsd (since January 1973). Highest water level (revised), 21.17 ft (6.45 m) below lsd, Oct. 22, Nov. 1, 1971; lowest 24.75 ft (7.54 m) below lsd, July 17, 20, 1974. Records available: 1970-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	23.34	23.24	23.28	23.10	24.02	23.30	23.38	23.59	23.16	22.75	23.56	23.80
10	23.07	23.00	23.36	23.38	23.69	23.46	23.35	23.30	22.82	23.11	23.48	23.75
15	23.14	23.13	23.40	23.39	23.58	23.51	23.71	23.06	22.93	23.79	23.94	23.27
20	23.17	22.92	23.42	23.43	23.70	23.54	24.42	22.88	22.73	23.27	23.72	23.62
25	23.25	23.21	23.31	23.42	23.37	23.45	24.11	23.00	22.63	23.33	23.81	23.78
Eom	23.30	23.31	23.22	23.89	23.44	23.36	23.70	23.38	22.79	23.62	23.82	23.50

321125080423000. Local number BFT-444. Palmetto Dunes Development Corp. Southern part of Hilton Head Island. Drilled unused artesian well in limestone of late Eocene age, diam 6 in (15 cm), depth 212 ft (65 m), cased to 146 ft (45 m), open hole to 212 ft (65 m). Lsd 8 ft (2 m) above msl. MP top of casing, 0.95 ft (0.29 m) above lsd (since January 1973). Highest water level (revised), 16.92 ft (5.16 m) below lsd, Apr. 3, 1973; lowest 24.51 ft (7.47 m) below lsd, July 19, 1974. Records available: 1973-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.21	19.57	20.08	19.93	21.64	20.51	20.26	20.58	20.07	19.67	21.03	20.32
10	19.25	19.23	20.75	20.16	22.07	23.04	21.14	20.48	19.33	20.32	20.33	20.16
15	19.11	19.87	20.57	20.42	21.53	20.61	21.67	19.64	19.69	20.82	20.89	19.63
20	19.41	19.75	20.76	20.89	21.95	21.91	21.70	19.28	19.63	20.68	20.45	20.03
25	19.38	20.00	19.98	21.10	20.31	20.68	21.68	19.21	19.10	20.37	20.84	19.68
Eom	19.73	20.10	19.83	21.80	21.34	20.06	21.61	20.27	19.18	20.69	20.13	19.93

Berkeley County

331708079413800. Local number BRK-53. Town of Jamestown. Jamestown. Drilled unused artesian well in Santee Limestone of middle Eocene age, diam 6 in (15 cm), depth 32 ft (10 m), cased to 28 ft (9 m), open hole to 32 ft (10 m). Lsd 32 ft (10 m) above msl. MP top of casing, 0.56 ft (0.17 m) above lsd. Highest water level (revised), 3.65 ft (1.11 m) below lsd, Feb. 16, 1973; lowest (revised), 14.14 ft (4.31 m) below lsd, Nov. 27, 29, 1972. Records available: 1971-74.

331708079413800--Continued.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	11.12	10.12	8.18	10.12	12.21	.....	12.66	12.44	9.13	11.39	13.06	13.51
10	11.25	7.18	8.83	10.33	12.47	.....	12.23	10.30	9.35	11.73	13.26	13.52
15	11.25	7.30	9.61	10.17	12.21	.....	10.57	9.01	9.85	12.01	13.45	13.54
20	11.20	6.43	9.75	10.87	.....	.....	11.32	6.23	9.99	12.37	13.42	13.28
25	11.34	7.07	10.32	11.26	.....	.....	11.88	7.18	10.35	12.60	13.48	12.75
Eom	10.46	7.57	9.76	11.83	.....	.....	12.22	8.22	10.86	12.88	13.57	12.58

332455079555000. Local number BRK-59. Turner Lumber Co. St. Stephens. Drilled unused artesian well in sands of Late Cretaceous age; diam 6 in (15 cm) to 146 ft (45 m), 4 in (10 cm) 146-560 ft (45-171 m); depth 560 ft (171 m); screened or slotted 356-390 ft (109-119 m). Lsd 75 ft (23 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 18.25 ft (5.56 m) below lsd, Apr. 8, 1973; lowest 20.40 ft (6.22 m) below lsd, Dec. 7, 1973. Records available: 1973-74.

Water level at noon, from recorder graph, January through September 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.93	19.74	19.35	19.58	19.82	19.58	19.69	19.96	19.97	.....	.....	.....
10	19.92	19.78	19.48	19.58	19.81	19.52	19.65	19.93	20.06	.....	.....	.....
15	19.86	19.59	19.66	.....	19.65	19.61	19.83	19.84	20.02	.....	.....	.....
20	19.02	19.39	19.50	.....	19.66	19.68	20.12	19.78	20.01	.....	.....	.....
25	20.07	19.46	19.50	19.66	19.65	19.89	20.15	19.84	20.02	.....	.....	.....
Eom	19.84	19.57	19.47	19.77	.....	19.95	20.12	19.97	19.81	.....	.....	.....

Mean water level for the day, from recorder graph, October through December 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.45	19.03	18.90
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.23	19.02	18.84
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.20	19.03	18.78
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	18.99	18.84	18.69
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.05	18.88	18.63
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	19.05	18.90	18.61

Charleston County

325025079574501. Local number CHN-136. Exxon Co. At plant. Northwest of Charleston. Drilled unused artesian well in limestone and sand of Eocene age; diam 10 in (25 cm) to 290 ft (88 m), 8 in (20 cm) 290-504 ft (88-154 m); depth 504 ft (154 m); screened with slotted pipe 339-369 ft (103-112 m); 459-504 ft (140-154 m). Lsd 15 ft (5 m) above msl. MP top of casing, 1.45 ft (0.44 m) above lsd. Highest water level 68.63 ft (20.92 m) below lsd, Nov. 7, 1974; lowest (revised), 118.35 ft (36.07 m) below lsd, Sept. 6, 1971. Records available: 1971-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	90.34	92.74	92.49	92.19	88.15	90.14	91.50	90.73	88.59	.....	70.97	87.62
10	88.94	91.03	91.61	89.52	87.83	88.54	90.77	88.07	88.81	74.05	72.13	88.80
15	91.80	86.20	89.90	89.90	90.97	90.33	89.67	88.57	89.64	75.11	74.93	90.93
20	94.45	89.98	89.28	89.69	88.15	89.44	90.40	89.44	80.66	75.16	78.21	91.06
25	93.93	88.72	89.18	88.94	89.82	90.42	90.59	89.37	75.60	77.02	75.78	91.42
Eom	91.95	90.86	89.35	88.86	89.82	92.65	89.51	88.21	71.10	76.63	82.92	91.27

Florence County

341150079345000. Local number FLC-128. E. I. Dupont Nemours Co. Near Mars Bluff. On the Pee-dee River. Drilled unused artesian well in sands of Late Cretaceous age; diam 4 in (10 cm); depth drilled 802 ft (245 m); depth measured by logger 460 ft (140 m); cased to 802 ft (244 m); screened 264-292 ft (80-89 m), 327-333 ft (100-102 m), 375-381 ft (114-116 m), 678-690 ft (207-210 m). Lsd 96.90 ft (29.54 m) above msl. MP top of casing, 1.43 ft (0.44 m) above lsd. Highest water level 37.31 ft (11.37 m) below lsd, Apr. 8, 1973; lowest (revised), 45.96 ft (14.01 m) below lsd, May 11, 1972. Records available: 1971-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	38.98	.....	39.80	40.19	39.72	39.45	39.82	40.10	39.80
10	.....	.....	39.44	38.61	.....	39.92	39.90	38.73	38.94	39.82	40.08	39.63
15	.....	.....	39.68	38.21	.....	40.05	40.02	38.98	39.05	39.93	40.02	39.35
20	.....	.....	39.75	38.77	.....	40.14	40.01	39.38	39.35	39.93	39.93	39.32
25	39.31	.....	39.81	39.17	.....	40.14	40.14	39.51	39.57	40.01	39.97	39.45
Eom	.....	.....	39.60	39.52	39.67	40.13	40.14	39.69	39.64	40.07	40.04	39.68

Georgetown County

332329079173500 (revised). Local number GEO-77. Georgetown Rural Water District. North of Georgetown. Drilled unused artesian well in sands of the Peedee and Black Creek Formations of Late Cretaceous age; diam 10 in (25 cm) to 445 ft (136 m), 8 in (20 cm) 445-748 ft (136-228 m); depth 748 ft (228 m); cased to 748 ft (228 m); screened 490-520 ft (149-159 m), 580-660 ft (177-201 m), 720-740 ft (219-226 m); gravel packed. Lsd 22 ft (7 m) above ms1. MP top of casing, 2.10 ft (0.64 m) above lsd. Highest water level 70.10 ft (21.37 m) below lsd, May 6, 1969; lowest 96.82 ft (29.51 m) below lsd, Nov. 21-23, 1973. Records available: 1969-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	96.13	91.94	90.50	91.23	92.96	93.91	94.39	93.23	92.16	.....	91.70	88.66
10	95.85	91.36	90.56	91.60	93.22	94.07	94.00	93.16	93.80	.....	91.44	88.07
15	95.26	90.97	90.67	91.72	93.33	94.33	93.88	93.27	.....	91.06	91.03	87.45
20	94.51	90.68	90.64	92.07	93.39	94.55	93.62	93.08	.....	91.34	90.20	86.58
25	93.73	90.60	90.87	92.34	93.49	94.50	93.46	92.76	.....	91.69	89.74	85.65
Eom	92.63	90.60	90.95	92.68	93.67	94.56	93.40	92.36	.....	91.92	89.13	84.77

Greenville County

345335082185800. Local number GRV-709. School District of Greenville County. Brushy Creek Elementary School. Northeast of City of Greenville. Drilled unused water-table well in metamorphic rock of Precambrian to Paleozoic age, diam 6 in (15 cm), depth 80 ft (24 m), cased to 6 ft (2 m), open hole below casing. Lsd 926 ft (282 m) above ms1. MP top of casing, 1.79 ft (0.55 m) above lsd. Highest water level 23.81 ft (7.26 m) below lsd, June 28, 1973; lowest 30.81 ft (9.39 m) below lsd, Dec. 31, 1974. Records available: 1973-74.

Water level at noon, from recorder graph, January through September 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	28.57	27.59	26.13	25.72	25.33	25.47	26.23	27.14	27.84	.....	.....	.....
10	28.39	27.21	25.99	25.73	25.31	25.50	26.36	27.30	27.95	.....	.....	.....
15	28.21	26.98	25.89	25.56	25.32	25.62	26.50	27.38	28.08	.....	.....	.....
20	28.06	26.79	25.81	25.53	25.35	25.76	26.67	27.45	28.21	.....	.....	.....
25	27.93	26.50	25.87	25.43	25.33	25.88	26.83	27.54	28.34	.....	.....	.....
Eom	27.64	26.36	25.79	25.34	25.40	26.08	27.01	27.68	28.46	.....	.....	.....

Mean water level for the day, from recorder graph, October through December 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.65	29.53	30.49
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.79	29.67	30.48
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	28.92	29.84	30.55
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.09	29.95	30.65
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.22	30.12	30.71
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	29.49	30.23	30.81

Horry County

334037078542600. Local number HO-35. City of Myrtle Beach. Myrtle Beach. Drilled unused artesian well in the Peedee and Black Creek Formations of Late Cretaceous age, diam 8 in (20 cm), depth 459 ft (140 m), cased to 454 ft (138 m), gravel packed. Lsd 35.2 ft (7.7 m) above ms1. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 28.20 ft (8.60 m) below lsd, Mar. 22, 1971; lowest 50.36 ft (15.35 m) below lsd, Apr. 29, 1973. Records available: 1965-74. Water levels affected by distant pumping.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.71	38.34	37.99	34.32	35.55	35.08	37.11	41.67	39.90	42.57	37.66	36.90
10	38.76	37.55	38.42	34.51	35.44	36.09	38.02	41.57	41.32	41.84	38.00	37.60
15	38.96	37.85	38.00	34.58	35.00	.....	40.00	41.75	41.15	41.21	39.09	37.99
20	39.07	37.58	39.06	35.15	35.70	.....	42.05	41.91	42.13	41.61	37.79	37.06
25	39.13	37.62	39.70	35.65	35.08	.....	41.92	41.31	41.90	39.25	37.34	37.86
Eom	38.91	37.81	34.46	35.09	33.91	34.46	41.47	41.30	41.31	38.72	36.91	37.61

335115079033500. Local number HO-307. City of Conway. Collins Park. Drilled unused artesian well in sands of the Peedee and Black Creek Formations of Late Cretaceous age, diam 8 in (20 cm), depth 438 ft (134 m), screening and casing information not available. Lsd 20 ft (6 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.91 ft (3.63 m) below lsd, Oct. 12, 1974; lowest 13.97 ft (4.26 m) below lsd, Dec. 1, 1974. Records available: 1974. Recording gage installed July 1974.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	13.17	12.62	12.37	12.59	11.98	13.57	13.81
10	.....	.....	.....	.....	.....	13.06	12.62	12.53	12.51	11.98	13.48	13.83
15	.....	.....	.....	.....	.....	13.00	12.53	12.53	12.37	13.72	13.46	13.83
20	.....	.....	.....	.....	.....	12.88	12.43	12.57	12.28	13.70	13.56	13.85
25	.....	.....	.....	.....	.....	12.73	12.37	12.56	12.22	13.63	13.60	13.87
Eom	.....	.....	.....	.....	13.19	12.72	12.29	12.60	12.16	13.56	13.74	13.87

Lexington County

335250081102501. Local number LEX-79. Pennsylvania Sand and Glass Co. Edmund. Drilled unused artesian well in sands of Late Cretaceous age, diam 6 in (15 cm), depth 252 ft (77 m), cased to 250 ft (76 m). Lsd 376 ft (115 m) above msl. MP top of recorder platform, at lsd. Highest water level (revised), 100.31 ft (30.57 m) below lsd, Sept. 9, 1973; lowest 118.99 ft (36.27 m) below lsd, July 10, 1970. Records available: 1966, 1968-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	104.81	106.15	106.43	106.09	106.23	106.95	108.23	110.35	110.06	110.85	111.33	109.82
10	103.67	106.91	104.98	105.80	106.95	107.84	108.12	110.34	109.50	110.43	110.51	111.29
15	105.32	107.46	104.02	105.96	106.79	108.52	107.63	107.58	110.30	110.96	111.68	108.05
20	105.46	107.72	106.00	105.90	106.82	107.14	107.65	110.64	110.52	111.91	110.78	110.54
25	105.78	105.84	105.06	106.01	107.09	108.33	109.92	108.88	110.44	112.90	108.63	108.08
Eom	105.82	106.41	106.29	105.71	106.94	107.18	110.16	108.38	110.68	112.70	109.41	109.78

335440081303001. Local number LEX-88. Town of Leesville. Leesville. Drilled unused artesian well in sands of Tertiary age; diam 16 in (41 cm) to 14.5 ft (4.4 m), 8 in (20 cm) 14.5-125 ft (4.4-38 m); depth 125 ft (38 m); cased to 125 ft (38 m). Lsd 645 ft (197 m) above msl. MP top of recorder platform, 2.20 ft (0.67 m) above lsd. Highest water level 25.98 ft (7.64 m) below lsd, Apr. 26, 1973; lowest 31.25 ft (9.53 m) below lsd, Mar. 16, 1972. Records available: 1972-74. Measurement discontinued June 12, 1974.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	29.22	29.31	28.91	28.88	29.32	27.68	.....	.....	.....	.....	.....	.....
10	29.47	29.06	28.95	28.99	29.56	27.65	.....	.....	.....	.....	.....	.....
15	29.45	29.15	29.19	28.93	29.58	.....	.....	.....	.....	.....	.....	.....
20	29.58	28.97	29.13	29.31	29.70	.....	.....	.....	.....	.....	.....	.....
25	29.48	28.86	29.09	29.47	29.85	.....	.....	.....	.....	.....	.....	.....
Eom	29.30	28.97	28.89	29.50	27.60	.....	.....	.....	.....	.....	.....	.....

Marlboro County

343715079411500. Local number MLB-112. Town of Bennettsville. Bennettsville. Near National Guard Armory. Drilled unused artesian well in sands of Late Cretaceous age, diam 8 in (20 cm), depth 335 ft (105 m), cased to 320 ft (98 m), perforated pipe 220-320 ft (67-98 m), screened 320-335 ft (98-102 m). Lsd 150 ft (46 m) above msl. MP top of concrete pad, 1.20 ft (0.37 m) above lsd. Highest water level 0.85 ft (0.26 m) below lsd, Feb. 2, 1973; lowest 4.79 ft (1.46 m) below lsd, Oct. 18, 1972. Records available: 1972-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	1.57	2.22	2.52	2.14	3.31	2.62	3.76	3.49	2.43	3.53	4.04	3.36
10	2.06	1.91	2.70	2.57	3.00	3.03	3.48	2.52	2.59	3.80	3.95	3.05
15	2.32	2.13	2.83	2.57	2.84	3.34	3.79	3.07	2.96	3.81	4.07	3.07
20	2.52	1.88	2.75	2.93	3.12	3.60	3.95	2.98	3.15	3.80	3.52	.....
25	2.64	2.08	2.59	3.15	2.91	3.56	4.20	2.72	3.15	3.88	3.53	.....
Eom	2.49	2.29	2.32	3.34	2.83	3.67	4.15	3.21	3.42	3.94	3.54	.....

Richland County

340335080583501. Local number RIC-40. Shakespeare Manufacturing Co. North of Columbia. Drilled unused water-table well in sands of Late Cretaceous age, diam 6 in (15 cm), depth 245 ft (75 m), cased to 233 ft (71 m), screened 98-105 ft (30-32 m). Lsd 390 ft (119 m) above msl. MP top of casing, 0.37 ft (0.11 m) above lsd. Highest water level 69.91 ft (21.31 m) below lsd, May 23, 1960; lowest 84.28 ft (25.69 m) below lsd, May 16, 1952. Records available: 1949-52, 1957-74.

Water level at noon, from recorder graph, January through September 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	78.51	79.21	78.83	79.28	79.41	79.61	79.97	80.10	80.28	.....	.....	.....
10	78.61	78.84	78.88	79.44	79.55	79.56	80.01	80.23	80.28	.....	.....	.....
15	78.58	78.83	78.96	79.31	79.48	79.69	80.00	80.25	80.27	.....	.....	.....
20	78.79	78.81	78.86	79.48	79.55	79.75	80.08	80.24	80.35	.....	.....	.....
25	78.95	78.76	79.03	79.46	79.48	79.80	80.09	80.17	80.38	.....	.....	.....
Eom	79.03	78.68	79.18	79.44	79.60	79.89	80.05	80.20	80.38	.....	.....	.....

Mean water level for the day, from recorder graph, October through December 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.42	80.49	80.87
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.45	80.54	80.90
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.48	80.65	80.86
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.43	80.59	80.97
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.48	80.70	80.94
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	80.55	80.70	81.11

340540081021508. Local number RIC-309. Heater Utilities Co. Lincolnshire Subdivision. Columbia. Drilled unused artesian well in granitic-gneiss and schist, diam 6 in (15 cm), depth 300 ft (91 m), cased to 90 ft (27 m), open hole below casing. Lsd 260 ft (79 m) above msl. MP top of casing, 0.57 ft (0.17 m) above lsd. Highest water level 7.89 ft (2.40 m) below lsd, Mar. 12, 1973; lowest 44.83 ft (13.66 m) below lsd, Dec. 30, 1973. Records available: 1971-74.

Water level at noon, from recorder graph, January through September 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	39.57	34.13	27.21	32.13	36.02	40.52	41.35	42.57	36.55	.....	.....	.....
10	39.88	.....	28.58	32.93	37.55	41.70	42.00	42.25	35.00	.....	.....	.....
15	40.38	31.73	28.33	33.23	38.78	41.84	42.82	43.03	.....	.....	.....	.....
20	40.73	28.03	28.99	35.13	39.76	43.05	42.10	42.73	.....	.....	.....	.....
25	39.33	26.83	31.43	33.73	38.67	43.77	43.24	42.40	.....	.....	.....	.....
Eom	34.63	26.88	31.48	34.43	38.40	42.41	41.15	37.50	.....	.....	.....	.....

Mean water level for the day, from recorder graph, October through December 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	34.95	36.27	38.87
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.30	38.07	38.35
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.82	38.77	38.40
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.80	38.58	38.50
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	35.35	39.25	36.10
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	36.14	39.49	33.40

### Spartanburg County

345930081591000. Local number SP-297. Metro. Subdistrict B Water Works. Northwest Spartanburg. Drilled unused artesian well in metamorphic rock of Precambrian to Paleozoic age, diam 6 in (15 cm), depth 442 ft (135 m), cased to 51 ft (16 m), open hole below casing. Lsd 880 ft (268 m) above msl. MP top of casing, 0.97 ft (0.30 m) above lsd. Highest water level 5.77 ft (1.76 m) below lsd, Apr. 9, 1973; lowest 17.34 ft (5.29 m) below lsd, Dec. 13, 14, 1974. Records available: 1973-74.

Water level at noon, from recorder graph, 1973

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	8.05	8.76	.....	10.74	12.17	12.82	13.84	14.63
10	.....	.....	.....	5.83	8.52	8.12	9.52	10.96	12.43	12.98	14.00	14.69
15	.....	.....	8.61	6.47	7.42	8.12	9.84	.....	12.08	13.07	14.09	14.86
20	.....	.....	7.71	6.86	6.23	8.46	10.15	.....	12.28	13.33	14.32	14.97
25	.....	.....	7.78	7.05	8.56	8.72	10.44	11.75	12.53	13.41	14.40	.....
Eom	.....	.....	7.83	7.53	8.47	8.88	10.59	11.88	12.68	13.65	14.56	.....

Water level at noon, from recorder graph, January through September 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.05	12.11	10.75	11.02	11.06	12.15	13.14	14.35	15.33	.....	.....	.....
10	13.72	11.49	10.88	10.78	11.25	12.20	13.25	14.42	15.48	.....	.....	.....
15	.....	11.24	11.04	10.55	11.43	12.38	13.51	14.70	15.60	.....	.....	.....
20	.....	10.95	11.27	10.62	11.69	12.66	13.63	14.75	15.74	.....	.....	.....
25	.....	10.62	11.52	10.63	11.82	12.78	13.84	14.98	15.89	.....	.....	.....
Eom	.....	10.61	11.36	.....	11.90	12.95	14.17	15.27	.....	.....	.....	.....

Mean water level for the day, from recorder graph, October through December 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	.....	.....	.....	.....	.....	.....	15.94	16.82	17.21
10	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.13	16.94	17.28
15	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.24	17.08	17.32
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.39	17.15	17.22
25	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.52	17.27	17.23
Eom	.....	.....	.....	.....	.....	.....	.....	.....	.....	16.68	17.31	17.20

### Sumter County

335602080204800. Local number SU-69. City of Sumter. Sumter. Municipal well field. Drilled unused artesian well in sands of the Black Creek Formation of Late Cretaceous age; diam 18 in (46 cm) to 248 ft (76 m), 8 in (20 cm) 205-618 ft (63-188 m); depth 805 ft (245 m); cased to 618 ft (188 m); screened 525-608 ft (160-185 m); gravel packed. Lsd 176 ft (54 m) above msl. MP top of concrete pad, 0.42 ft (0.13 m) above lsd. Highest water level (revised), 40.57 ft (12.37 m) below lsd, Oct. 29, 1971; lowest 77.81 ft (23.72 m) below lsd, June 28, 1974. Records available: 1970-74. Water levels are affected by pumping of nearby wells.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	61.00	61.85	68.01	71.35	64.02	72.94	56.61	61.05	65.03	58.98	58.54	56.49
10	63.07	60.45	61.53	69.82	74.79	72.42	65.28	58.43	61.49	61.52	54.97	56.92
15	60.63	62.78	67.03	61.31	72.75	72.29	58.23	63.38	56.72	58.27	57.75	52.00
20	57.18	61.83	66.24	68.99	67.55	76.17	59.24	65.36	62.83	55.63	57.05	55.81
25	68.60	60.46	58.76	72.48	73.41	72.65	66.01	59.07	59.26	59.03	54.39	50.30
Eom	67.04	68.77	56.32	73.44	75.76	61.13	65.16	66.78	60.86	59.32	54.17	50.90

York County

350150081012500. Local number YK-147. Tega Cay Development Co. Fort Mill. On Lake Wilev. Drilled unused water-table well in rock of Precambrian to Paleozoic age, diam 8 in (20 cm), depth 700 ft (213 m), cased to 50 ft (15 m), open hole below casing. Lsd 600 ft (183 m) above msl. MP top of casing, 0.75 ft (0.23 m) above lsd. Highest water level (revised), 18.50 ft (5.67 m) below lsd, Apr. 8, 1973; lowest 22.29 ft (6.79 m) below lsd, Aug. 19, 1974. Records available: 1972-74.

Mean water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	19.85	19.45	20.47	20.08	20.42	21.03	21.51	21.40	21.40	20.81	22.16	21.48
10	20.16	19.28	20.59	19.78	20.24	21.32	20.85	21.16	21.44	20.94	22.18	21.44
15	20.53	19.38	20.69	19.95	20.24	21.92	20.63	21.06	21.06	21.50	22.24	21.38
20	20.54	19.46	20.49	20.46	20.60	22.11	20.74	21.00	20.97	21.75	21.95	21.31
25	20.11	19.87	20.32	20.49	21.01	22.01	20.95	21.15	20.95	21.62	21.96	21.24
Eom	19.60	20.26	19.70	20.66	20.94	21.56	21.20	21.17	20.95	22.00	22.05	21.62

# TENNESSEE

The observation-well program in Tennessee was continued during 1974 in cooperation with the Tennessee Department of Conservation, Division of Water Resources, and with the Memphis Light, Gas, and Water Division. Figure 10 shows the location of observation wells included in this report.

## Well-Numbering System

Each well is identified by means of (1) a code number that is based on the universal system of latitude and longitude, as explained on page 1; and (2) a local well number that is provided as a simpler number for continuity with other reports and for other uses as dictated by local needs. In Tennessee all code numbers have been determined to the nearest second. The local well number is made up of three items: (1) a two-letter county abbreviation, followed by a colon; (2) a letter designating the 7½-minute quadrangle in which the well is located (arranged alphabetically beginning with "A" in the southwest corner of the county and proceeding, omitting "I", from west to east, in tiers from south to north, to the northeast corner), followed by a dash; and (3) a serial number designating the sequence in which the wells in that quadrangle were inventoried; thus, Br:E-1 is the first well of quadrangle "E" of Bradley County.

## Well Descriptions and Water-Level Measurements

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

### Bradley County

350503084505000. Local number Br:E-1. F. G. Trewitt. Near Cleveland. Dug unused water-table well in Conasauga Shale of Middle and Late Cambrian age, diam 36 in (91 cm), depth 25 ft (8 m), casing information not available. Lsd 850 ft (259 m) above msl. MP top of front shelter panel, 1.50 ft (0.46 m) above lsd. Highest water level 7.38 ft (2.25 m) below lsd, Dec. 19, 1967; lowest 24.97 ft (7.61 m) below lsd, Dec. 7, 8, 1954. Records available: 1950-55, 1964-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 31, 1974	9.62	May 24, 1974	13.04	Aug. 23, 1974	19.50	Nov. 6, 1974	22.18
Mar. 26	12.68	June 12	15.20	Oct. 16	20.80	Dec. 30	21.50
Apr. 25	12.52	July 26	18.40				

### Cannon County

354823086104400. Local number Cn:D-1. Ray Barker. Near Readyville. Drilled unused water-table well in Lebanon Limestone of Middle Ordovician age, diam 6 in (15 cm), depth 30 ft (9 m), cased with steel. Lsd 715 ft (218 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 0.91 ft (0.28 m) below lsd, Mar. 11, 1968; lowest 19.38 ft (5.91 m) below lsd, Dec. 9, 10, 1968. Records available: 1967-74. Jan. 8, 1974, 12.14; May 7, 14.10; July 9, 16.14.

### Carter County

361738082132900. Local number Ct:H-1. Gap Creek Community. Near Elizabethton. Dug unused water-table well in Honaker Dolomite of Middle Cambrian age, diam 24 in (61 cm), depth 31 ft (9 m), casing information not available. Lsd 1,820 ft (555 m) above msl. MP top of concrete tile, 2.50 ft (0.76 m) above lsd. Highest water level 2.25 ft (0.69 m) below lsd, Mar. 16, 1973; lowest 26.01 ft (7.93 m) below lsd, Dec. 22, 23, 1970. Records available: 1964-74.

Highest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.57	4.02	9.06	3.79	9.90	7.79	11.31	12.25	11.71	14.82	14.96	11.88
10	3.37	4.32	6.72	4.26	9.43	10.15	7.47	13.37	6.83	14.88	14.95	12.66
15	3.66	5.83	6.84	4.49	8.33	11.54	11.03	13.87	10.28	14.90	14.38	13.76
20	6.62	5.40	5.64	6.01	8.54	12.44	13.00	10.46	12.62	14.47	11.95	14.25
25	8.53	5.79	4.26	7.36	7.97	11.44	13.94	14.07	13.59	14.92	12.13	14.03
Eom	6.97	7.04	4.74	9.00	6.28	7.42	12.72	13.66	14.11	14.93	14.00	6.16



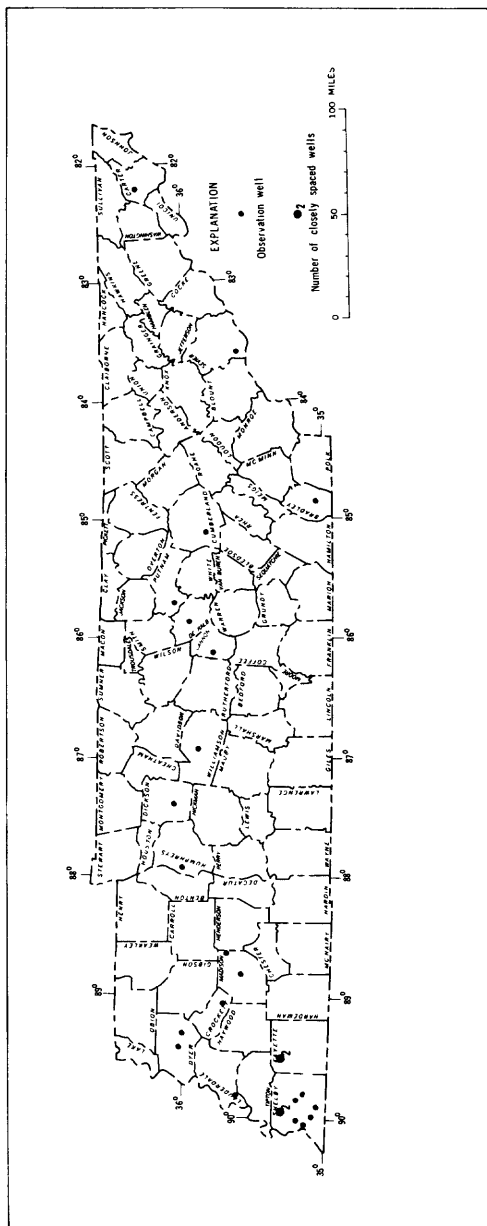


Figure 10.--Location of observation wells in Tennessee, 1974.

Crockett County

354253089051300. Local number Ck:B-5. Winter Garden Freezer Co. Bells. Drilled unused artesian well in sand of Claiborne Group of Middle Eocene age, diam 10 to 6 in (25 to 15 cm), depth 537 ft (164 m), cased to 523 ft (159 m), screened 523-537 ft (159-164 m). Lsd 350 ft (107 m) above msl. MP top of casing, 1.10 ft (0.34 m) above lsd. Highest water level 38.98 ft (11.88 m) below lsd, Apr. 10, 1965; lowest 43.92 ft (13.39 m) below lsd, Nov. 4, 1971. Records available: 1961-74. Jan. 8, 1974, 40.85; Mar. 13, 40.46; May 7, 40.16; June 18, 40.11; Aug. 7, 41.54; Oct. 9, 41.88; Nov. 19, 41.37.

Cumberland County

354922085053500. Local number Cu:C-1. Hubert Roy. Near Lantana. Drilled unused artesian well in rocks of Pennsylvanian age, diam 6 in (15 cm), depth 69 ft (21 m), cased to 69 ft (21 m). Lsd 1,970 ft (600 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 13.15 ft (4.01 m) below lsd, Mar. 17, 1973; lowest 24.92 ft (7.60 m) below lsd, Nov. 16, 1968. Records available: 1964-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	14.95	14.66	17.19	15.76	20.30	17.60	20.81	22.83	23.67	21.89	20.95	15.99
10	14.94	15.76	16.03	16.47	20.66	18.64	21.18	23.06	23.55	22.00	21.09	15.26
15	14.89	16.13	16.87	17.34	20.37	19.56	21.56	23.34	22.36	22.28	20.54	16.38
20	15.78	15.02	17.26	18.46	19.79	19.71	21.94	23.55	21.93	20.25	17.93	16.87
25	14.95	15.15	15.83	19.26	16.31	20.09	22.30	23.83	21.96	20.11	16.87	16.87
Eom	14.74	16.01	15.76	19.93	16.68	20.21	22.56	23.79	22.01	20.34	16.87	14.69

J Float may have been hanging; water level may have been lower.

DeKalb County

355807085511800. Local number Dk:F-1. Tennessee Dept. of Highways at Smithville. Drilled test water-table well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 186 ft (57 m), cased to 55 ft (17 m). Lsd 1,128 ft (344 m) above msl. MP top of shelter, 1.50 ft (0.46 m) above lsd. Highest water level 18.32 ft (5.58 m) below lsd, Mar. 24, 1973; lowest 35.18 ft (10.72 m) below lsd, Dec. 17, 1968. Records available: 1968-74. Recording gage removed Dec. 29, 1973. Feb. 19, 1974, 18.76.

Dickson County

360429087233602. Local number D1:F-19. City of Dickson. Drilled unused artesian well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 387 ft (118 m), cased to 22 ft (7 m). Lsd 755 ft (230 m) above msl. MP top of casing, at lsd. Highest water level 8.78 ft (2.68 m) below lsd, Apr. 11, 1962; lowest 33.78 ft (10.30 m) below lsd, Sept. 11, 12, 1964. Records available: 1960-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	.....	.....	26.79	30.26	24.01	32.58	32.83	28.20	29.13	32.51	30.87
10	.....	25.09	24.05	24.39	30.56	20.25	32.68	32.56	29.56	32.39	32.70	29.06
15	.....	28.00	26.10	25.14	30.76	24.65	32.94	32.52	31.44	32.85	32.50	30.46
20	.....	26.76	25.64	27.99	31.41	28.38	33.12	32.75	32.77	32.22	22.58	30.90
25	.....	.....	25.90	26.25	23.55	30.08	32.49	33.09	32.94	32.78	26.48	32.19
Eom	.....	26.02	28.30	29.52	28.78	31.81	32.70	32.43	24.28	32.94	29.78	28.73

Dyer County

360200089280100. Local number Dy:H-1. U.S. Geol. Survey. Finley. Drilled observation artesian well in sand and gravel of Pleistocene age, diam 4 in (10 cm), depth 70 ft (21 m), cased to 60 ft (18 m), screened 60-70 ft (18-21 m). Lsd 278 ft (85 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 3.69 ft (1.12 m) below lsd, Feb. 28, 1962; lowest 18.93 ft (5.77 m) below lsd, Jan. 18-21, 1957. Records available: 1955-74. Jan. 17, 1974, 5.40; Mar. 15, 6.98; May 9, 6.88; June 20, 7.03; Aug. 6, 12.40; Oct. 10, 13.13; Nov. 21, 14.64.

360147089230700. Local number Dy:H-7. City of Dyersburg. Drilled unused artesian well in sand of Claiborne Group of Middle Eocene age, diam 24 to 10 in (61 to 25 cm), depth 656 ft (200 m), cased to 605 ft (184 m), screened 605-655 ft (184-200 m). Lsd 270.07 ft (82.32 m) above msl. MP top of casing, 3.10 ft (0.94 m) above lsd. Highest water level 2.69 ft (0.82 m) above lsd, Mar. 1, 2, Apr. 19, 1962; lowest 17.1 ft (5.2 m) below lsd, Aug. 10, 1956. Records available: 1954-74. Jan. 17, 1974, 4.35; Mar. 15, 5.47; May 9, 5.38; June 20, 5.29; Aug. 6, 6.24; Oct. 11, 5.55; Nov. 21, 3.32.

Payette County

35226089330101. Local number Fa:R-1. Tennessee Division of Geology and U.S. Geol. Survey. Near Braden. Drilled observation artesian well in sand of Wilcox Group of Paleocene and early Eocene age, diam 6 to 4 in (15 to 10 cm), depth 1,025 ft (312 m), cased to 1,008 ft (307 m), screened 1,008-1,025 ft (307-312 m). Lsd 317.50 ft (96.77 m) above ms1. MP top of casing, 3.70 ft (1.13 m) above lsd. Highest water level 64.89 ft (19.78 m) below lsd, Aug. 31, 1964; lowest 76.98 ft (23.46 m) below lsd, November 1971. Records available: 1949-74. Jan. 29, 1974, 75.28; Apr. 26, 74.96; June 28, 74.74; July 30, 74.78; Aug. 28, 74.79.

35226089330102. Local number Fa:R-2. Tennessee Division of Geology and U.S. Geol. Survey. Near Braden. Drilled observation artesian well in sand of Claiborne Group of middle Eocene age, diam 6 to 4 in (15 to 10 cm), depth 365 ft (111 m), cased to 345 ft (105 m), screened 345-365 ft (105-111 m). Lsd 317.20 ft (96.68 m) above ms1. MP top of casing, 4.20 ft (1.28 m) above lsd. Highest water level 37.25 ft (11.35 m) below lsd, Mar. 10, 1952; lowest 42.12 ft (12.84 m) below lsd, Nov. 30, 1967. Records available: 1949-74. Jan. 29, 1974, 40.12; Apr. 26, 39.88; June 28, 39.71; July 30, 39.78; Aug. 28, 39.81.

Humphreys County

360020089573300. Local number Hs:H-1. A. M. Powers. Near New Johnsonville. Drilled unused artesian well in Camden Chert of Early Devonian age, diam 8 in (20 cm), depth 187 ft (57 m), cased to 187 ft (57 m). Lsd 470 ft (143 m) above ms1. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 85.02 ft (25.91 m) below lsd, Mar. 25, 1973; lowest 90.20 ft (27.49 m) below lsd, Nov. 25, 1968. Records available: 1962-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5			86.58	86.50	86.33	86.30	86.59	87.04	86.94	87.14	87.19	87.04
10	.....	.....	86.56	86.43	86.36	85.80	86.69	87.00	87.00	87.16	87.18	87.04
15	.....	.....	86.48	86.32	86.45	86.01	86.79	86.96	87.08	87.14	87.30	86.96
20	.....	86.50	86.44	86.40	86.52	86.27	86.88	86.93	87.12	87.22	86.89	.....
25	.....	86.57	86.50	86.21	86.45	86.46	86.90	87.02	87.14	87.15	87.03	.....
Eom	.....	86.53	86.45	86.30	86.34	86.58	87.01	86.97	87.08	87.19	86.99	.....

Lauderdale County

353839089493500. Local number Ld:F-4. Tennessee Division of Geology and U.S. Geol. Survey. Near Port Pillow. Drilled observation artesian well in sand of Claiborne Group of middle Eocene age, diam 8 to 6 to 3 in (20 to 15 to 7.6 cm), depth 879 ft (268 m), cased to 869 ft (265 m), screened 869-879 ft (265-268 m). Lsd 437.05 ft (133.21 m) above ms1. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 188.55 ft (57.47 m) below lsd, Apr. 15, 1973; lowest 196.48 ft (59.89 m) below lsd, Nov. 16, 1969. Records available: 1966-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	191.30	193.10	.....	.....	.....	.....	193.95	.....	.....	.....	194.35
10	.....	194.10	193.68	.....	.....	.....	.....	194.04	.....	.....	.....	.....
15	.....	193.87	192.90	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	191.36	193.62	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	191.22	193.61	.....	.....	.....	.....	.....	.....	.....	.....	194.37	.....
Eom	190.35	193.30	.....	.....	.....	.....	.....	.....	.....	.....	194.33	.....

Madison County

353726088483600. Local number Md:G-45. Piggly Wiggly Co. Jackson. Drilled unused artesian well in sand of Wilcox Group of Paleocene and early Eocene age, diam 6 in (15 cm), depth 133 ft (41 m), cased to 112 ft (34 m), screened 112-133 ft (34-41 m). Lsd 435 ft (133 m) above ms1. MP top of recorder-house floor, 3.80 ft (1.16 m) above lsd. Highest water level 62.22 ft (18.96 m) below lsd, Dec. 3, 4, 1958; lowest 76.74 ft (23.39 m) below lsd, April 1972. Records available: 1958-74. Measurement discontinued. Jan. 8, 1974, 72.26; Mar. 13, 72.75; May 7, 72.84; June 18, 72.58; Aug. 7, 72.27.

354223088380200. Local number Md:N-1. Tennessee Division of Geology and U.S. Geol. Survey. Near Claybrook. Drilled observation artesian well in McNairy Sand of Late Cretaceous age, diam 6 to 4 in (15 to 10 cm), depth 659 ft (201 m), cased to 639 ft (195 m), screened 639-659 ft (195-201 m). Lsd 562.70 ft (171.51 m) above ms1. MP top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 124.50 ft (37.95 m) below lsd, Mar. 10, 1952; lowest 129.13 ft (39.36 m) below lsd, Nov. 15, 1963. Records available: 1949-74. Jan. 8, 1974, 125.99; Mar. 13, 125.75; May 7, 125.61; June 18, 125.34; Aug. 7, 125.74; Oct. 2, 125.75; Nov. 19, 125.52.

Putnam County

360521085432600. Local number Pm:C-1. Tennessee Dept. of Highways at Silver Point. Drilled test water-table well in Fort Payne Chert of Early Mississippian age, diam 6 in (15 cm), depth 175 ft (53 m), cased to 60 ft (18 m). Lsd 1,030 ft (314 m) above msl. MP top of shelter, 1.50 ft (0.46 m) above lsd. Highest water level 48.30 ft (14.72 m) below lsd, May 2, 1974; lowest 53.48 ft (16.30 m) below lsd, Dec. 23, 1969. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	.....	49.82	49.22	48.89	48.53	48.66	.....	.....	50.39	50.51	50.90	51.03
10	50.77	49.62	49.15	48.73	48.57	48.72	.....	.....	50.35	50.54	50.93	50.97
15	50.51	49.48	49.11	48.57	48.67	48.66	.....	50.03	50.35	50.57	51.05	50.90
20	50.37	49.51	49.09	48.55	48.72	48.81	.....	50.13	50.33	50.74	50.99	50.91
25	50.29	49.41	49.19	48.55	48.71	48.88	.....	50.22	50.33	50.73	51.06	51.05
Eom	50.00	49.20	48.94	48.46	48.76	48.99	.....	50.33	50.43	50.81	51.02	50.82

Sevier County

353841083345500. Local number Sv:E-1. Elkmont. Near Oatlinburg. Drilled unused water-table well in phyllite, sandstone, diam 6 in (16 cm), depth 215 ft (66 m), casing information not available. Lsd 2,400 ft (732 m) above msl. MP floor of recorder shelter, 2.00 ft (0.61 m) above lsd. Highest water level 18.02 ft (5.49 m) below lsd, Mar. 16, 1973; lowest 27.75 ft (8.46 m) below lsd, Oct. 28, 29, 1970. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.24	23.17	24.20	22.56	24.56	24.16	25.69	25.99	26.40	26.21	26.66	25.45
10	22.07	23.24	24.32	22.75	24.69	24.64	25.38	26.11	26.46	26.34	26.74	25.02
15	22.54	23.74	24.54	22.65	24.47	24.96	25.21	26.15	25.45	26.47	26.78	25.23
20	23.44	23.86	24.54	23.25	24.77	25.19	25.44	26.13	25.70	26.49	26.62	25.52
25	24.17	23.51	24.54	23.94	24.79	25.34	25.66	26.19	25.89	26.54	25.82	25.67
Eom	24.00	23.67	22.71	24.32	24.40	25.55	25.84	26.30	26.08	26.62	25.97	22.64

Shelby County

350514089553700. Local number Sh:X-75. Memphis Light, Gas, and Water Division. Willowview Ave. and Getwell Rd. Drilled observation water-table well in terrace deposits, diam 6 in (15 cm), depth 91 ft (28 m), cased to 81 ft (25 m), screened 81-91 ft (25-28 m). Lsd 260 ft (79 m) above msl. MP top of casing, 1.20 ft (0.37 m) above lsd. Highest water level 21.28 (6.49 m) below lsd, Apr. 2, 1950; lowest 49.62 ft (15.12 m) below lsd, Aug. 9, 1972. Records available: 1948-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	48.42	48.44	48.21	48.26	47.70	47.60	47.10	47.14	46.89	46.71	47.01	46.46
10	48.37	48.51	48.23	48.30	47.68	47.78	47.18	47.06	47.09	46.69	46.78	46.40
15	48.45	48.44	48.12	47.99	47.75	47.44	46.99	47.30	46.85	46.65	46.82	46.53
20	48.54	48.54	48.16	47.88	47.81	47.41	47.32	47.23	47.01	46.81	46.76	46.64
25	48.66	48.61	48.22	48.04	47.63	47.33	47.03	46.94	46.66	46.93	46.75	46.71
Eom	48.53	48.34	47.96	47.80	47.70	47.22	47.20	46.82	46.89	46.87	46.43	46.47

351435090005200. Local number Sh:O-1. Memphis Light, Gas, and Water Division. O. K. Robertson Rd., Frayser. Drilled observation artesian well in sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), depth 434 ft (132 m), cased to 424 ft (129 m), screened 424-434 ft (129-132 m). Lsd 228.70 ft (69.71 m) above msl. MP top of casing, 4.30 ft (1.31 m) above lsd. Highest water level 12.65 ft (3.86 m) below lsd, Sept. 3, 1940; lowest 56.23 ft (17.14 m) below lsd, Sept. 4, 5, 1972. Records available: 1940-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	49.50	46.97	48.68	49.27	.....	50.00	51.59	52.70	53.80	55.22	55.67	53.52
10	49.28	47.02	48.96	49.35	.....	49.73	51.91	52.80	53.30	55.51	55.33	53.31
15	49.32	47.28	48.90	49.09	.....	49.63	52.92	52.61	54.47	55.82	54.71	53.06
20	48.46	48.16	48.47	49.19	.....	50.04	53.93	53.23	52.57	55.94	54.14	53.00
25	47.93	48.68	48.56	49.40	.....	50.94	53.88	53.67	52.83	55.96	54.18	52.76
Eom	47.16	48.45	48.56	49.87	49.85	51.33	52.55	53.97	54.95	55.98	53.81	51.89

350923090023500. Local number Sh:O-124. Memphis Light, Gas, and Water Division. Fifth St. and Sycamore Ave. Unused water shaft connected to artesian wells in sand of Claiborne Group of middle Eocene age, diam 30 in (76 cm), depth 98 ft (30 m), cased to 80 ft (24 m). Lsd 229.70 ft (70.01 m) above msl. MP top of casing, 0.40 ft (0.12 m) above lsd. Highest water level 19.09 ft (5.82 m) below lsd, Apr. 1, 1933; lowest 73.4 ft (22.4 m) below lsd, July 30 to Aug. 1, 1954. Records available: 1927-33, 1956-74.

350923090023500--Continued.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	62.75	.....	65.50	66.48	67.50	66.50	69.43	71.62	72.81	71.85	71.48	69.64
10	62.75	.....	65.68	66.49	67.44	66.52	69.43	71.80	72.68	71.76	71.43	69.83
15	64.18	.....	.....	.....	67.34	.....	69.64	71.81	72.54	71.76	70.82	.....
20	64.44	.....	.....	.....	67.45	.....	69.64	71.96	72.28	71.76	70.43	.....
25	64.63	.....	.....	.....	.....	.....	69.65	71.99	72.11	71.76	70.13	.....
Eom	.....	65.12	66.28	67.20	66.28	69.32	71.43	72.91	71.93	71.77	69.92	66.64

351320089535800. Local number Sh:P-1. Memphis Light, Gas, and Water Division. Raleigh. Drilled observation artesian well in sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), depth 344 ft (105 m), cased to 334 ft (102 m), screened 334-344 ft (102-105 m). Lsd 299.80 ft (91.38 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 63.33 ft (19.30 m) below lsd, Sept. 27, 1940; lowest 114.11 ft (34.78 m) below lsd, Aug. 27, 1973. Records available: 1940-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	110.16	109.81	109.57	109.82	110.69	111.18	111.90	112.82	112.19	111.41	111.97	110.74
10	109.85	109.72	109.26	109.75	110.89	110.79	112.09	.....	112.11	111.33	111.76	110.46
15	109.65	109.45	109.18	109.64	110.88	110.92	112.46	.....	112.20	111.61	111.42	110.64
20	109.67	109.05	109.31	109.85	111.07	110.86	111.07	.....	.....	111.96	110.96	110.84
25	109.88	109.22	109.47	109.78	111.20	111.21	111.04	.....	.....	112.12	111.21	110.60
Eom	109.79	109.49	109.33	110.31	111.42	111.70	112.85	112.26	111.37	111.84	111.24	110.23

350735089593300. Local number Sh:P-76. Memphis Light, Gas, and Water Division. Central Ave. and Tanglewood St. Drilled unused artesian well in sand of Claiborne Group of middle Eocene age, diam 12 in (30 cm), depth 488 ft (149 m), cased to 428 ft (130 m), screened 428-488 ft (130-149 m). Lsd 286.70 ft (87.39 m) above msl. MP top of casing, 1.30 ft (0.40 m) above lsd. Highest water level 58.65 ft (17.88 m) below lsd, Apr. 3, 1933; lowest 143.55 ft (43.75 m) below lsd, Aug. 3, 1974. Records available: 1928-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	131.03	130.51	130.27	131.97	134.52	135.25	137.95	140.84	141.94	139.36	.....	134.23
10	133.32	130.86	131.43	132.20	134.54	135.04	139.71	141.12	140.79	139.57	.....	133.96
15	133.09	130.78	131.55	132.20	134.91	135.80	140.53	142.35	140.70	139.34	136.10	133.39
20	132.69	131.18	130.69	133.06	135.13	136.22	142.76	143.11	140.20	139.86	135.40	133.47
25	131.10	131.33	130.21	133.54	134.85	136.87	142.96	143.44	.....	138.30	135.62	.....
Eom	131.02	131.25	130.88	133.85	134.90	137.40	142.02	140.10	139.55	137.25	133.62	130.23

350900089482300. Local number Sh:Q-1. Memphis Light, Gas, and Water Division. Cordova. Drilled observation artesian well in sand of Claiborne Group of middle Eocene age, diam 6 in (15 cm), depth 384 ft (117 m), cased to 375 ft (114 m), screened 375-384 ft (114-117 m). Lsd 330.40 ft (100.71 m) above msl. MP top of casing, 2.40 ft (0.73 m) above lsd. Highest water level 74.08 ft (22.58 m) below lsd, Dec. 27, 1940; lowest 99.38 ft (30.29 m) below lsd, Oct. 20, 1972. Records available: 1940-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	98.62	98.40	98.10	98.20	98.01	98.19	98.29	98.50	98.44	98.46	98.47	98.79
10	98.56	98.35	98.11	98.19	98.02	98.07	98.23	98.52	98.44	98.33	98.63	98.78
15	98.43	98.24	98.05	98.12	98.07	98.10	98.38	98.51	98.47	98.35	98.77	98.77
20	98.26	98.12	97.94	98.19	98.20	98.07	98.51	98.37	98.47	98.49	98.60	98.77
25	98.42	98.45	98.18	98.19	98.25	98.10	98.51	98.43	98.49	98.48	98.78	98.86
Eom	98.30	98.35	97.77	98.16	98.12	98.22	98.52	98.43	98.39	98.43	98.77	98.69

352112089571200. Local number Sh:U-1. T. D. Ervin. Sloanville. Drilled unused artesian well in sand of Wilcox Group of early Eocene age, diam 24 to 16 in (61 to 41 cm), depth 1,558 ft (475 m), cased to 1,497 ft (456 m), screened 1,497-1,558 ft (456-475 m). Lsd 264.20 ft (80.53 m) above msl. MP top of casing, 0.60 ft (0.18 m) above lsd. Highest water level 33.20 ft (10.12 m) below lsd, Aug. 21, 1947; lowest 60.42 ft (18.42 m) below lsd, Dec. 20, 1970. Records available: 1946-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1974	54.01	June 26, 1974	54.50	Aug. 29, 1974	56.77	Oct. 31, 1974	55.59
Apr. 30	54.01	July 31	56.11	Sept. 26	56.84	Nov. 25	55.13
May 28	54.49						

352110089571300. Local number Sh:U-2. T. D. Ervin. Sloanville. Drilled unused artesian well in sand of Claiborne Group of middle Eocene age, diam 18 to 12 in (46 to 30 cm), depth 440 ft (134 m), cased to 360 ft (110 m), screened 360-440 ft (110-134 m). Lsd 268.76 ft (81.92 m) above msl. MP top of casing, 1.60 ft (0.49 m) above lsd. Highest water level 39.55 ft (12.05 m) below lsd, June 29, 1953; lowest 60.22 ft (18.36 m) below lsd, April 1971. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1974	55.05	June 26, 1974	55.17	Aug. 29, 1974	55.33	Oct. 31, 1974	55.67
Apr. 30	55.22	July 31	56.08	Sept. 26	55.41	Nov. 25	55.52
May 28	55.07						

Williamson County

355505086541100. Local number Wm:M-1. Tennessee Division of Geology and U.S. Geol. Survey. Near Franklin. Drilled observation artesian well in Knox Dolomite of Late Cambrian and Early Ordovician age, diam 6 in (15 cm), depth 1,160 ft (354 m), cased to 473 ft (144 m). Lsd 712 ft (217 m) above msl. MF top of casing, 2.80 ft (0.85 m) above lsd. Highest water level 84.21 ft (25.67 m) below lsd, Mar. 10, 1952; lowest 114.81 ft (34.99 m) below lsd, Jan. 31, 1950. Records available: 1950-74. Feb. 19, 1974, 85.43; May 13, 85.90.

## VIRGINIA

The observation-well program in Virginia was continued during 1974. Prior to July 1, 1972, work was done in cooperation with the Division of Water Resources of the Virginia Department of Conservation and Economic Development. Subsequent to that date, cooperation was with the Bureau of Water Control Management of the Virginia State Water Control Board. Records for the well in Loudisa County were computed and furnished by the Bureau of Surveillance and Field Studies of the Virginia State Water Control Board. Observation wells in Accomack County and the City of Hopewell were measured by paid observers. Figure 11 shows the location of observation wells included in this report.

### Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

Local well numbers in Virginia are based on the "Index to Topographic Maps of Virginia". The 7½-minute quadrangles are identified by numbers and letters starting in the southwest corner of the State. The quadrangles are numbered 1 through 69 from west to east beginning at longitude 83°45' and are lettered A through Z (omitting letters I and O) from south to north beginning at latitude 36°30'. Wells are numbered serially within each 7½-minute quadrangle. Thus well 55B22 is located in quadrangle 55B and is the 22nd well located in the quadrangle.

### Well Descriptions and Water-Level Measurements

Water levels are reported in feet below land-surface datum.

#### City of Colonial Heights

371644077244601. Local number 51G1. Johnson and Swearingen. Pilcher well, Matoaka Manor. Drilled unused water-table well in Petersburg Granite of late Paleozoic age, diam 6 in (15 cm), depth 100 ft (30 m), cased to 50 ft (15 m), open hole 50-100 ft (15-30 m). Lsd 57.30 ft (17.47 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 11.13 ft (3.39 m) below lsd, Jan. 18, 1960; lowest 19.09 ft (5.82 m) below lsd, Jan. 14, 1942. Records available: 1939-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 29, 1974	15.67	Apr. 25, 1974	14.25	July 30, 1974	16.22	Oct. 25, 1974	15.34
Feb. 25	14.66	May 28	14.94	Aug. 27	15.93	Nov. 25	16.07
Mar. 27	14.35	June 26	15.40	Sept. 26	14.39	Dec. 23	16.07

#### City of Franklin

364047076552401. Local number 55B22. City of Franklin. Fifth Ave. and Middle St. Jetted observation artesian well in sand of Early Cretaceous age, diam 4 in (10 cm), depth 354 ft (108 m), screened 335-354 ft (102-108 m). Lsd 21.24 ft (6.47 m) above msl. MP top edge of manhole, at lsd. Highest water level 14.5 ft (4.4 m) below lsd, June 25, 1942; lowest 178.8 ft (54.5 m) below lsd, Jan. 4, 1969. Records available: 1942-74. Water levels affected by local pumpage.

Jan. 21, 1974	172.99	July 16, 1974	177.63	Aug. 23, 1974	133.70	Nov. 6, 1974	167.19
Mar. 11	176.16	24	169.60	28	147.66	11	167.60
Apr. 15	172.15	Aug. 12	140.55	Oct. 7	167.80	Dec. 3	173.34
June 6	175.06	19	135.60				

#### City of Hopewell

371801077164201. Local number 52G1. Old Dominion Water Corp. Hopewell. Drilled unused artesian well in sand of Early Cretaceous age, diam 6 in (15 cm), reported depth 300 ft (91 m), screen depth unknown. Lsd 50.26 ft (15.32 m) above msl. MP top of casing, 0.34 ft (0.10 m) above lsd. Highest water level 20.73 ft (6.32 m) below lsd, Jan. 25, 1954; lowest 56.95 ft (17.36 m) below lsd, Aug. 14, 1943. Records available: 1939-74.

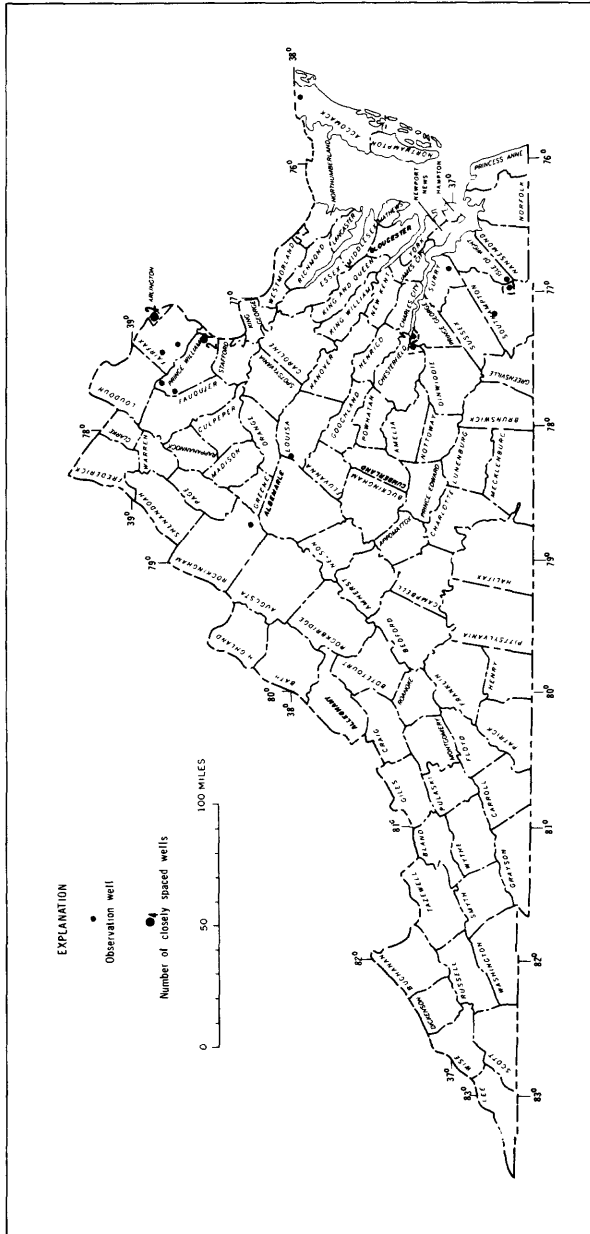


Figure 11.--Location of observation wells in Virginia, 1974.



371801077164201--Continued.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1974	33.62	Apr. 5, 1974	33.91	July 5, 1974	34.91	Oct. 4, 1974	35.11
11	33.20	12	34.86	12	34.86	11	34.93
18	34.56	19	34.96	19	34.97	18	34.86
25	33.89	26	34.91	26	34.97	25	35.06
Feb. 1	33.96	May 3	34.95	Aug. 2	34.82	Nov. 1	34.90
8	34.11	10	34.86	9	33.91	8	34.98
15	34.22	17	34.77	16	34.06	15	34.85
22	34.43	24	34.80	23	34.61	22	34.75
Mar. 1	34.93	31	34.69	30	33.66	29	34.80
8	34.97	June 7	34.35	Sept. 6	32.56	Dec. 6	34.75
15	34.58	14	34.76	13	34.04	13	34.51
22	33.94	21	34.87	20	34.76	20	34.26
29	33.56	28	34.77	27	34.98	27	34.16

Acomack County

375600075280002. Local number 67M2. U.S. Naval Air Station well B31. Wallops Station. Drilled unused water-table well in sand of Columbia Group of Pleistocene age, diam 8 in (20 cm), depth about 60 ft (18 m), screen depth unknown. Lsd 34.10 ft (10.39 m) above msl. MP top of casing, 6.09 ft (1.86 m) above lsd. Highest water level 17.82 ft (5.43 m) below lsd, May 9, 1963; lowest 22.31 ft (6.80 m) below lsd, Jan. 20, 1967. Records available: 1963-74. Jan. 28, 1974, 18.91; May 29, 19.31.

Arlington County

385346077073701. Local number 53V1. Arlington County School Dept., Langston School. 4854 Lee Highway, Arlington. Dug unused water-table well in Brandywine Formation and Bryn Mawr(?) Gravel of Pliocene(?) age, overlying the Wissahickon Formation of latest Precambrian to early Paleozoic age, diam 24 in (61 cm), depth 35 ft (11 m), terra-cotta casing. Lsd 410 ft (125 m) above msl. MP inner flange of manhole, at lsd. Highest water level 17.74 ft (5.41 m) below lsd, Apr. 20, 1935; lowest 34.80 ft (10.61 m) below lsd, Jan. 4, 1932. Records available: 1931-74.

Jan. 2, 1974	26.52	Apr. 29, 1974	24.65	July 30, 1974	26.34	Oct. 30, 1974	27.74
31	25.18	May 31	24.86	Aug. 27	27.09	Dec. 2	28.13
Mar. 1	25.31	June 28	25.38	Sept. 30	26.98	30	28.23
29	25.97						

385253077042301. Local number 54V3. U.S. Dept. of Defense. Arlington National Cemetery. Dug unused water-table well in terrace gravels of Holocene age and sand of Early Cretaceous age, diam 4 ft (1 m), depth 50 ft (15 m), casing information not available. Lsd 205 ft (62 m) above msl. MP top of stone and brick casing, 3.00 ft (0.91 m) above lsd. Highest water level 40.73 ft (12.41 m) below lsd, Aug. 2, 1972; lowest 44.90 ft (13.69 m) below lsd, Mar. 4, 1966. Records available: 1958-74.

Jan. 2, 1974	42.71	Apr. 29, 1974	42.10	July 30, 1974	42.05	Oct. 30, 1974	42.89
31	42.66	May 31	41.89	Aug. 27	42.37	Dec. 2	42.93
Mar. 1	42.54	July 1	41.82	Sept. 30	42.67	30	43.00
29	42.43						

Fairfax County

385152077211301. Local number 52U1. Atwell Somerville. Fair Acres Farm. Northwest of Fairfax on U.S. Highway 50. Dug unused water-table well in Wissahickon Formation of latest Precambrian to early Paleozoic age, diam 4 ft (1 m), depth 24 ft (7 m), uncemented stone casing. Lsd 400 ft (122 m) above msl. MP top of access pipe, 3.05 ft (0.93 m) above lsd. Highest water level 9.17 ft (2.80 m) below lsd, June 25, 1972; lowest 23.58 ft (7.19 m) below lsd, Dec. 26, 1931. Records available: 1931-74.

Jan. 3, 1974	14.55	Mar. 29, 1974	14.63	June 28, 1974	15.39	Oct. 1, 1974	18.09
31	13.94	May 3	14.03	July 31	16.67	Nov. 1	18.48
Feb. 28	14.33	31	15.41	Aug. 28	17.15	Dec. 2	18.28

384518077163501. Local number 52U4. Sydenstricker Church. East of intersection of State Highways 641 and 643, Springfield. Dug unused water-table well in granite of undetermined age, diam 24 in (61 cm), depth 28 ft (9 m), casing information not available. Lsd 340 ft (104 m) above msl. MP hole in cement platform, 0.67 ft (0.20 m) above lsd. Highest water level 12.54 ft (3.82 m) below lsd, Apr. 30, 1973; lowest 27.57 ft (8.40 m) below lsd, Nov. 30, 1964. Records available: 1957-74.

Jan. 2, 1974	19.47	May 7, 1974	15.28	July 31, 1974	18.72	Nov. 4, 1974	21.83
Feb. 1	17.73	June 4	15.42	Aug. 28	20.19	Dec. 3	22.20
Mar. 5	16.95	July 10	16.54	Sept. 30	21.04	30	21.86
Apr. 1	16.18						

Isle of Wight County

364059076544901. Local number 55B16. Union-Camp Corp. Franklin. Lumberyard well. Drilled observation artesian well in sand of Early Cretaceous age, diam 6 in (15 cm), depth 305 ft (93 m), screened 285-305 ft (87-93 m). Lsd 25 ft (8 m) above msl. MP top edge of recorder shelf, 3.50 ft (1.07 m) above lsd. Highest water level 99.00 ft (30.18 m) below lsd, Dec. 27, 1960; lowest 186.34 ft (56.80 m) below lsd, Oct. 15, 1970. Records available: 1960-74. Water levels affected by local pumpage.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	179.06	180.83	182.33	180.72	182.81	183.42	182.00	155.90	164.18	174.52	174.57	180.81
10	179.87	180.93	182.95	179.60	182.78	182.65	.....	.....	167.28	174.24	174.54	181.13
15	180.35	181.55	183.92	179.61	182.76	183.02	.....	.....	146.62	169.84	174.06	181.20
20	180.48	181.43	182.94	179.26	183.03	182.99	.....	.....	143.62	171.49	175.40	181.97
25	180.72	182.18	182.95	180.14	182.94	183.71	177.09	145.24	172.54	176.30	178.30	178.19
Eom	180.78	182.36	182.60	182.38	183.40	184.53	162.71	156.79	173.71	175.07	179.85	174.86

Louisa County

380217078133701. Local number 45N1. Tyler well. Near Thelma, 3 mi (5 km) southwest of Boswells Tavern on Tyler property near State Highway 640. Drilled observation water-table well in Wissanickon Formation of latest Precambrian to early Paleozoic age, diam 6 in (15 cm), depth 56 ft (17 m), depth of casing unknown. Lsd about 500 ft (152 m) above msl. MP top of casing, 3.10 ft (0.94 m) above lsd. Highest water level 11.97 ft (3.65 m) below lsd, Apr. 30, 1973; lowest 34.24 ft (10.44 m) below lsd, Oct. 15, 1966. Records available: 1952-74. Records furnished by the Virginia State Water Control Board.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	22.90	20.55	20.34	19.70	20.01	21.23	22.70	24.89	25.44	23.50	25.79	27.12
10	22.36	20.38	20.58	19.70	20.36	21.18	22.98	24.95	24.37	23.83	26.03	27.14
15	21.79	20.44	20.63	19.40	20.42	21.47	23.34	24.94	23.69	24.23	26.30	27.12
20	21.55	20.56	20.72	19.54	20.59	21.73	23.80	25.02	23.27	24.80	26.40	26.69
25	21.18	20.47	20.39	19.59	20.72	22.10	24.22	25.12	23.10	25.14	26.70	26.30
Eom	20.70	20.40	19.89	19.65	21.09	22.34	24.62	25.30	23.18	25.56	26.94	26.15

Prince William County

384930077420801. Local number 49U1. Virginia Dept. of Highways and Transportation. Formerly Virginia Dept. of Highways. North of State Highway 55 near Thoroughfare Gap, 3.7 mi (6.0 km) west of Haymarket. Drilled observation artesian well in shale and sandstone of Newark Group of Late Triassic and Early Jurassic age, diam 7 in (18 cm), depth 345 ft (105 m), cased to 20 ft (6 m), open hole 20-345 ft (6-105 m). Lsd 383 ft (117 m) above msl. MP top of casing, 2.00 ft (0.61 m) above lsd. Highest water level 2.89 ft (0.88 m) below lsd, Feb. 26, 1972; lowest 10.22 ft (3.12 m) below lsd, Nov. 8, 9, 1968. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	3.96	4.74	5.21	4.17	5.56	4.88	6.04	7.69	5.96	7.02	7.19	5.00
10	4.35	4.92	5.35	3.87	5.48	5.03	6.27	7.75	4.92	7.13	7.34	4.27
15	3.95	5.14	5.35	4.14	4.75	5.70	6.68	7.88	5.38	7.18	7.15	4.75
20	4.53	5.29	5.49	4.75	5.08	5.87	7.18	7.45	5.89	7.39	6.63	4.32
25	4.05	5.19	5.53	5.10	5.07	5.71	7.39	6.76	6.34	7.22	6.66	4.72
Eom	4.16	5.24	4.38	5.21	5.50	5.64	7.64	6.66	6.69	7.33	6.86	5.03

385607077381101. Local number 49V1. J. H. Hutchison. North of Haymarket at intersection of State Highways 600 and 615. Drilled observation artesian well in shale and sandstone of Newark Group of Late Triassic and Early Jurassic age, diam 7 in (18 cm), depth 165 ft (50 m), cased to 10 ft (3 m), open hole 10-165 ft (3-50 m). Lsd 420 ft (128 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 7.54 ft (2.30 m) below lsd, Feb. 28, 1972; lowest 12.28 ft (3.74 m) below lsd, July 12, 13, 1970. Records available: 1968-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	8.07	8.76	9.24	8.23	.....	9.49	10.05	e10.81	8.61	10.16	10.38	8.65
10	8.33	8.85	9.32	.....	.....	9.60	10.15	e10.74	8.11	10.25	10.53	8.15
15	8.02	8.68	9.42	8.32	.....	9.96	10.33	e10.67	8.88	10.36	10.28	8.59
20	8.52	8.66	9.57	9.03	.....	9.98	10.57	e10.32	9.41	10.29	10.15	8.25
25	7.99	8.95	9.49	.....	9.72	9.80	10.67	e9.91	9.68	10.29	10.28	8.75
Eom	8.16	9.10	8.82	.....	9.95	9.80	10.75	9.46	9.92	10.44	10.45	9.12

e Estimated.

383634077151301. Local number 52S4. District of Columbia Dept. of Sanitary Engineering. Featherstone test well 1. Woodbridge. Drilled observation artesian well in sand and gravel of Early Cretaceous age, diam 10 in (25 cm), depth 186 ft (57 m), screened 156-176 ft (48-54 m). Lsd 28 ft (9 m) above ms1. MP top edge of recorder shelf, 3.30 ft (1.01 m) above lsd. Highest water level 17.17 ft (5.23 m) below lsd, Apr. 28, 1973; lowest 20.05 ft (6.11 m) below lsd, June 30, 1969. Records available: 1969-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.43	18.40	18.37	18.02	18.28	18.06	18.30	18.42	18.54	18.89	18.55	18.81
10	18.30	18.22	18.39	18.42	17.99	18.14	18.30	18.46	18.29	18.66	18.68	18.66
15	18.32	18.30	18.56	18.25	18.07	18.17	18.36	18.36	18.47	18.57	18.52	18.74
20	18.23	18.13	18.61	18.37	18.26	18.18	18.41	18.37	18.38	18.67	18.76	18.59
25	18.26	18.58	18.49	18.49	18.14	18.09	18.31	18.47	18.61	18.77	18.62	18.76
Eom	18.27	18.63	18.01	18.22	18.04	18.04	18.27	18.53	18.52	18.66	18.97	18.70

383634077151302. Local number 52S5. District of Columbia Dept. of Sanitary Engineering. Featherstone test well 2. Woodbridge. Drilled observation artesian well in sand and gravel of Early Cretaceous age, diam 6 in (15 cm), depth 114 ft (35 m), screened 95-105 ft (29-32 m). Lsd 28 ft (9 m) above ms1. MP top of casing, 2.20 ft (0.67 m) above lsd. Highest water level 16.79 ft (5.12 m) below lsd, June 7, 1973; lowest 18.96 ft (5.78 m) below lsd, July 1, 1969. Records available: 1969-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 24, 1974	17.37	May 29, 1974	17.02	Aug. 20, 1974	17.47	Nov. 13, 1974	17.45
Mar. 5	17.18	July 16	17.27	Oct. 3	17.85	Dec. 17	17.38
Apr. 16	17.11						

Rockingham County

382150078424001. Local number 41Q1. U.S. Geol. Survey. Formerly Virginia Dept. of Highways. McGaheysville. Drilled observation artesian well in Conococheague Limestone of Late Cambrian age, diam 6 1/2 in (16 cm), depth 310 ft (94 m), cased to 131 ft (40 m), open hole 131-310 ft (40-94 m). Lsd 1,105 ft (337 m) above ms1. MP top edge of recorder shelf, 3.50 ft (1.07 m) above lsd. Highest water level 60.38 ft (18.40 m) below lsd, Dec. 26, 1972; lowest 83.01 ft (25.30 m) below lsd, Nov. 30, 1974. Records available: 1970-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	64.84	64.06	65.44	.....	66.70	67.31	68.43	70.96	74.22	77.41	80.68	82.50
10	65.10	64.30	65.60	.....	66.93	67.40	68.69	71.48	74.65	77.98	81.22	81.98
15	64.46	64.65	.....	.....	66.93	67.64	68.98	71.95	75.11	78.52	81.70	81.42
20	64.77	64.89	.....	66.28	67.00	67.85	69.39	72.47	75.64	79.04	82.16	80.87
25	63.85	65.10	.....	66.40	67.15	68.04	69.87	72.95	76.25	79.57	82.62	80.52
Eom	63.75	65.22	.....	66.52	67.41	68.21	70.46	73.68	76.82	80.20	83.01	80.30

Southampton County

364706077072301. Local number 54C1. Norfolk and Western Ry. Sebrell. Drilled unused artesian well in sand and gravel of pre-Miocene age, diam 10 in (25 cm), depth 344 ft (105 m), screen depth unknown. Lsd 58.4 ft (17.8 m) above ms1. MP top of casing, at lsd. Highest water level 15.00 ft (4.57 m) below lsd, 1907; lowest 90.94 ft (27.72 m) below lsd, July 16, 1974. Records available: 1907, 1938, 1940-46, 1948-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 21, 1974	89.61	June 6, 1974	90.28	Aug. 19, 1974	90.84	Oct. 7, 1974	89.40
Mar. 11	89.70	July 16	90.94	23	90.72	Nov. 11	89.37
Apr. 15	89.64	Aug. 14	90.84	28	90.48	Dec. 5	89.49

Surry County

370408076460101. Local number 56E1. Buster Cox. On State Highway 617, 3.2 mi (5.1 km) southwest of Bacons Castle. Drilled unused artesian well in sand of Early Cretaceous age, diam 18 in (46 cm), depth 705 ft (215 m), six screened intervals from 401-705 ft (122-215 m). Lsd 93 ft (28 m) above ms1. MP top edge of recorder shelf, 3.60 ft (1.10 m) above lsd. Highest water level 73.52 ft (22.41 m) below lsd, Mar. 10, 1942; lowest 134.90 ft (41.12 m) below lsd, Oct. 15, 1974. Records available: 1942, 1969-74.

Lowest water level for the day, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	132.05	132.31	132.48	132.49	132.78	133.06	133.49	134.16	134.64	134.86	134.76	134.52
10	132.06	132.26	132.59	132.61	132.71	133.02	133.56	134.18	134.48	134.86	134.79	134.37
15	132.10	132.36	132.52	132.53	132.77	133.17	133.72	134.33	134.60	134.90	134.69	134.40
20	132.17	132.35	132.48	132.74	132.93	133.31	133.89	134.41	134.68	134.87	134.65	134.27
25	132.25	132.36	132.63	132.72	132.92	133.21	133.99	134.40	134.77	134.84	134.64	134.29
Eom	132.17	132.46	132.46	132.73	132.93	133.31	134.06	134.53	134.73	134.86	134.67	134.31

# WEST VIRGINIA

The observation-well program was continued during 1974 in West Virginia in cooperation with the West Virginia Geological and Economic Survey. Figure 12 shows the location of observation wells included in this report.

## Well-Numbering System

Wells are numbered according to their latitude-longitude location, as explained on page 1. Local well numbers are also given.

Observation wells in West Virginia are assigned local numbers indicating their location by county and magisterial district. The counties and the magisterial districts have been numbered in a general southward direction. Wells within the magisterial districts are numbered serially. The number 9-6-27 indicates well 27 in district 6 of county 9.

## Well Descriptions and Water-Level Measurements

Water levels are reported 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. Measurements between plus signs are above the plane of reference, and those between minus signs are below the plane of reference.

### Berkeley County

392725077582401. Local number 20-5-7. Martinsburg Mills, Inc. Plant grounds, Martinsburg. Drilled unused artesian(?) well in the Beekmantown Group of Early Ordovician age, diam 8 in (20 cm), depth 250 ft (76 m), cased to 10 ft (3 m). Lsd about 445 ft (136 m) above msl. MP top edge of recorder-shelter base, 3.30 ft (1.01 m) above lsd. Highest water level 23.00 ft (7.01 m) below lsd, June 24, 1972; lowest 68.45 ft (20.86 m) below lsd, Dec. 7, 1969. Records available: 1956-74.

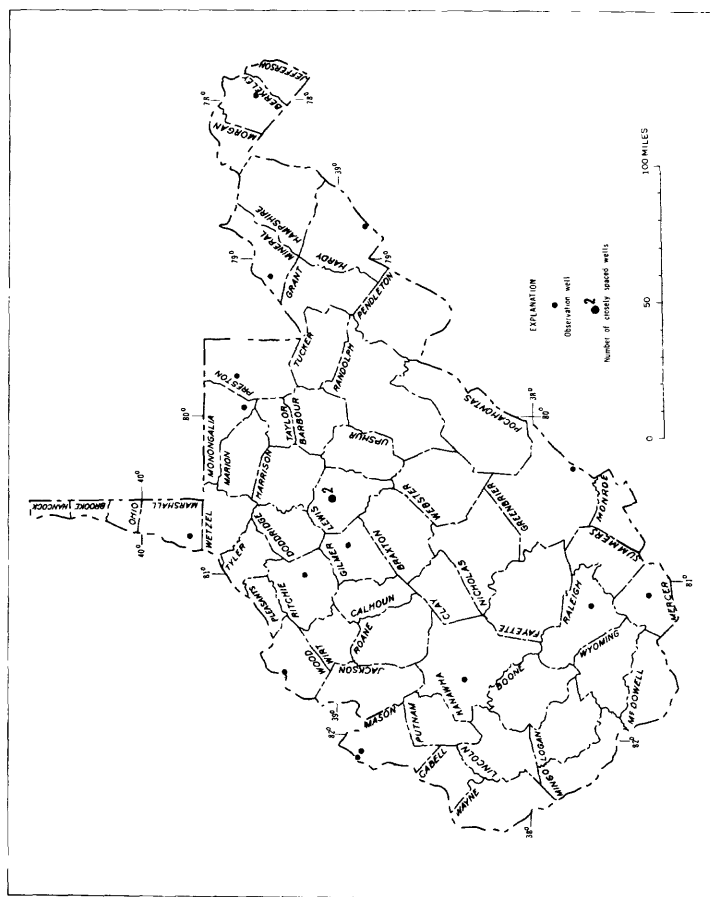
Average daily water level, from digital tape, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	38.81	37.38	40.03	37.57	40.58	42.13	42.01	46.84	50.01	53.84	.....	.....
10	38.60	37.70	40.59	37.57	41.27	43.18	42.99	47.79	49.38	54.64	.....	.....
15	35.91	38.19	41.39	37.38	40.65	42.66	43.84	48.66	49.77	59.23	.....	.....
20	37.14	38.69	42.04	38.38	41.78	42.79	44.75	.....	51.02	53.98	.....	43.50
25	36.22	39.16	41.97	39.18	41.75	40.55	45.54	.....	51.81	.....	.....	44.28
Ecm	36.84	39.62	38.51	39.93	42.91	41.21	46.14	49.78	52.81	.....	.....	45.33

### Gilmer County

385604080495901. Local number 33-3-1. Glenville State College. Glenville. Dug unused water-table(?) well in upper part of Conemaugh Formation of Late Pennsylvanian age, diam 3 ft (1 m), depth 25 ft (8 m), cased to 10 ft (3 m). Lsd about 820 ft (250 m) above msl. MP top of concrete cover, at lsd. Highest water level 13.58 ft (4.14 m) below lsd, Jan. 26, 1958; lowest 18.75 ft (5.72 m) below lsd, Nov. 30, 1953. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1974	15.13	Apr. 1, 1974	16.39	July 8, 1974	15.96	Oct. 7, 1974	17.03
14	15.14	8	16.42	15	16.21	14	17.30
21	15.96	15	15.74	22	16.56	21	17.31
28	16.38	22	16.21	29	16.83	28	17.39
Feb. 4	16.44	29	16.67	Aug. 5	16.77	Nov. 4	17.53
11	16.37	6	16.90	12	16.87	11	17.57
18	15.94	13	16.57	20	16.90	18	17.41
21	16.07	20	16.65	26	17.00	22	17.32
25	16.21	24	16.72	Sept. 3	16.20	Dec. 2	16.98
Mar. 4	16.22	June 3	15.60	9	16.29	9	16.83
11	16.35	10	16.12	16	16.18	16	16.52
18	16.28	17	16.59	23	16.41	20	16.34
22	16.13	21	16.59	30	16.76	30	16.02
25	16.14	July 1	15.10				



Greenbrier County

374804080174001. Local number 45-8-2. U.S. Fish and Wildlife Service. Fish Culture Station, White Sulphur Springs. Drilled unused artesian(?) well in Marcellus Shale and Hamilton Formation of Middle Devonian age, diam 6 in (15 cm), depth 61 ft (19 m), cased to 21 ft (6 m). Lsd about 1,875 ft (572 m) above msl. MP top of casing, 0.90 ft (0.27 m) above lsd. Highest water level 2.80 ft (0.85 m) below lsd, Mar. 16, 1955; lowest 7.77 ft (2.37 m) below lsd, Sept. 28, Oct. 5, 1968. Records available: 1953-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 5, 1974	4.95	Apr. 6, 1974	5.00	July 6, 1974	5.60	Oct. 12, 1974	6.68
12	4.95	13	5.22	13	5.05	19	5.61
19	5.25	20	5.35	20	5.15	26	5.85
26	4.88	27	5.30	27	5.20	Nov. 2	6.07
Feb. 2	5.20	May 4	5.30	Aug. 3	5.90	9	6.22
9	5.38	11	5.00	10	6.00	16	6.12
16	5.34	18	4.87	24	6.76	23	5.50
23	4.95	25	5.03	31	6.26	30	5.69
Mar. 2	5.30	June 1	4.58	Sept. 7	5.90	Dec. 7	5.51
9	5.10	8	4.88	14	6.70	14	5.33
16	5.00	15	5.05	21	6.55	21	5.57
23	5.00	22	5.10	28	6.93	28	5.45
30	5.23	29	5.00	Oct. 5	6.56		

Hardy County

385714078441301. Local number 25-4-5. U.S. Forest Service. Trout Pond Recreation Area. Drilled unused water-table well in the Helderberg Group of Early Devonian age and the Tonoloway Limestone of Late Silurian age, diam 6 in (15 cm), depth 460 ft (140 m), cased. Lsd about 1,920 ft (585 m) above msl. MP top of well casing, 0.90 ft (0.27 m) above lsd. Highest water level 263.00 ft (80.16 m) below lsd, July 15, 1972; lowest 274.15 ft (83.56 m) below lsd, Nov. 6, 1970. Records available: 1968-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	270.84	270.20	270.14	269.71	269.12	268.72	268.28	268.71	.....	270.33	270.86	272.03
10	271.57	269.88	270.20	269.89	269.11	268.43	268.28	268.90	.....	270.39	271.11	271.96
15	270.25	270.24	270.13	269.46	269.08	268.39	268.37	269.08	269.81	270.50	271.31	272.06
20	270.30	270.31	270.16	269.31	269.00	268.34	268.47	269.21	269.96	270.74	271.34	272.18
25	270.27	270.09	270.23	269.23	.....	268.31	268.54	269.25	270.10	270.74	271.59	272.16
Dom	269.93	270.10	269.98	269.03	268.69	268.33	268.65	269.33	270.21	270.84	271.77	272.16

Kanawha County

382055081375301. Local number 40-5-14. Coyle & Richardson Dept. Store. Dickinson and Lee Sts., Charleston. Drilled unused artesian well in Pottsville Formation of Early and Middle Pennsylvanian age, diam 8 in (20 cm), depth 298 ft (63 m), cased to 42 ft (13 m). Lsd about 575 ft (175 m) above msl. MP top edge of casing, 12.00 ft (3.66 m) below lsd. Highest water level 26.76 ft (8.16 m) below lsd, Mar. 20, 1963; lowest 43.44 ft (13.24 m) below lsd, Sept. 6, 1945. Records available: 1941-74.

Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	27.37	27.88	27.95	27.54	27.65	27.40	28.18	28.51	28.67	28.84	28.72	28.84
10	27.75	27.94	27.95	27.43	27.57	27.75	28.25	28.53	28.59	28.79	28.88	28.67
15	27.15	27.99	27.25	27.54	28.27	28.00	28.26	28.58	28.65	28.80	28.94	28.67
20	27.44	27.92	27.50	27.88	28.00	28.14	28.36	28.62	28.69	28.82	28.68	28.66
25	27.80	27.88	27.35	27.71	28.08	28.10	28.45	28.62	28.67	28.76	28.73	28.72
Dom	27.56	27.88	27.57	27.72	28.03	28.15	28.49	28.60	28.74	28.85	28.80	28.49

Lewis County

390553080280801. Local number 16-1-8. West Virginia University. Jackson's Mill. Drilled unused water-table well in Conemaugh and Allegheny Formations of Middle and Late Pennsylvanian age (previously reported in Conemaugh Formation of Late Pennsylvanian age and Allegheny Formation of Middle and Late Pennsylvanian age), diam 12 in (30 cm), depth 92 ft (28 m), cased. Lsd about 1,020 ft (311 m) above msl. MP hole in concrete pump platform, at lsd. Highest water level 9.40 ft (2.87 m) below lsd, Dec. 30, 1969; lowest 23.85 ft (7.27 m) below lsd, Oct. 14, 1963. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	18.31	Feb. 25, 1974	20.30	Aug. 2, 1974	22.67	Sept. 20, 1974	22.42
14	16.76	Mar. 4	19.19	9	22.73	Nov. 1	22.32
21	20.55	11	20.00	16	22.59	8	22.22
28	20.55	18	20.30	23	22.64	15	21.58
Feb. 4	20.58	Apr. 1	21.50	30	22.97	22	21.76
11	20.75	8	19.72	Sept. 6	21.40	Dec. 27	22.22
18	19.20	15	19.10	13	21.05		

390553080280802. Local number 16-1-9. West Virginia University. Jackson's Mill. Drilled unused water-table well in Conemaugh and Allegheny Formations of Middle and Late Pennsylvanian age (previously reported in Conemaugh Formation of Late Pennsylvanian age and Allegheny Formation of Middle and Late Pennsylvanian age), diam 12 in (30 cm), depth 122 ft (37 m), cased. Lsd about 1,020 ft (311 m) above msl. MP drilled hole in steel plate covering casing, at lsd. Highest water level 8.88 ft (2.71 m) below lsd, Dec. 30, 1969; lowest 23.95 ft (7.30 m) below lsd, Sept. 18, 1961. Records available: 1961-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	18.21	Feb. 25, 1974	20.19	Aug. 2, 1974	22.52	Sept. 20, 1974	22.35
14	16.54	Mar. 4	19.00	9	22.67	Nov. 1	22.27
21	20.38	11	19.85	16	22.49	8	22.18
28	20.38	18	20.20	23	22.77	15	21.48
Feb. 4	20.41	Apr. 1	21.40	30	22.92	22	21.70
11	20.66	8	19.56	Sept. 6	21.62	Dec. 27	22.18
18	19.11	15	18.97	13	21.25		

#### Marshall County

395608080452301. Local number 4-3-8. Triangle Conduit & Cable Co. U.S. Highway 250, Glen Dale. Drilled unused water-table well in gravel, diam 10 in (25 cm), depth 100 ft (30 m), cased. Lsd about 550 ft (198 m) above msl. MP top edge of recorder-shelter base, 4.00 ft (1.22 m) below lsd. Highest water level 54.27 ft (16.54 m) below lsd, Jan. 30, 1952; lowest 73.80 ft (22.49 m) below lsd, Nov. 8, 22, 1957. Records available: 1950-65, 1967-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 7, 1974	68.98	Apr. 8, 1974	67.24	July 8, 1974	68.80	Oct. 8, 1974	68.95
14	68.35	15	66.79	15	68.48	14	69.11
21	68.02	22	67.55	22	68.65	21	69.45
28	67.10	29	67.26	29	68.95	28	69.55
Feb. 4	67.40	May 6	68.25	Aug. 5	68.83	Nov. 4	69.70
11	67.85	13	68.45	12	68.91	11	69.85
18	68.15	20	67.37	20	69.02	18	69.72
25	68.40	29	67.89	26	69.16	25	69.33
Mar. 4	68.50	June 3	68.17	Sept. 3	68.55	Dec. 2	68.65
11	68.35	10	68.52	9	68.49	9	68.53
18	67.25	17	68.81	16	68.47	16	68.23
25	67.58	24	68.53	23	68.41	23	68.05
Apr. 1	67.75	July 1	68.55	30	68.83	30	67.80

#### Mason County

385450082064601. Local number 38-3-53. West Virginia University. Ohio Valley Agricultural Experiment Station. West Virginia Rte. 2, 4 mi (6 km) north of Point Pleasant. Drilled irrigation water-table well in alluvial sand and gravel, diam 12 in (30 cm), depth 73 ft (22 m), screened 61-73 ft (19-22 m). Lsd about 600 ft (183 m) above msl. MP edge of pump housing above hole on east side of pump, 1.40 ft (0.43 m) above lsd. Highest water level 36.72 ft (11.19 m) below lsd, May 27, 1963; lowest 42.54 ft (12.97 m) below lsd, Jan. 16, 1970. Records available: 1958-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 4, 1974	39.03	Apr. 5, 1974	38.35	July 5, 1974	37.65	Oct. 4, 1974	38.23
11	39.10	12	38.27	12	37.58	11	38.25
18	38.98	19	38.20	19	37.55	18	38.35
25	38.84	26	38.15	26	37.52	25	38.42
Feb. 1	38.73	May 3	38.05	Aug. 2	37.60	Nov. 1	38.51
8	38.60	10	38.04	9	37.65	8	38.60
15	38.55	17	38.00	16	37.75	15	38.66
22	38.48	24	37.94	23	37.80	22	38.79
Mar. 1	38.51	31	37.87	30	37.66	29	38.63
8	38.50	June 7	37.85	Sept. 6	37.54	Dec. 6	38.92
15	38.47	14	37.80	13	37.76	13	39.02
22	38.46	21	37.78	20	38.03	20	39.06
29	38.36	28	37.74	27	38.09	27	39.12

385451082062001. Local number 38-3-54. West Virginia University. Ohio Valley Agricultural Experiment Station, Point Pleasant. Drilled unused artesian well in Conemaugh Formation of Late Pennsylvanian age, diam 6 in (15 cm), depth 131 ft (40 m), cased to 60 ft (18 m). Lsd about 615 ft (187 m) above msl. MP top of casing, 3.00 ft (0.91 m) above lsd. Highest water level 23.98 ft (7.31 m) below lsd, May 28, 29, 1973; lowest 26.20 ft (7.99 m) below lsd, Jan. 1, 1966. Records available: 1959-74.

#### Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	e24.72	.....	.....	.....	.....	.....	24.10	24.39	24.44	24.74	24.88	24.86
10	e24.66	.....	.....	.....	.....	.....	24.14	24.40	24.49	24.79	24.93	.....
15	e24.60	.....	.....	.....	.....	.....	24.20	24.46	24.53	24.83	24.91	24.88
20	e24.54	.....	.....	.....	.....	24.24	24.25	24.46	24.59	24.80	24.91	24.85
25	e24.51	.....	.....	.....	.....	24.07	24.29	24.55	24.63	24.84	24.93	24.86
Eom	.....	24.37	.....	.....	.....	24.07	24.35	24.50	24.66	24.87	24.96	24.86

e Estimated.

Mercer County

372149081055001. Local number 48-5-1. West Virginia Service Co. Company well No. 1, Princeton. Drilled unused artesian well in sandstone and shale of the Hinton Formation of Late Mississippian age, diam 6 in (15 cm), depth 249 ft (76 m), cased. Lsd about 2,387 ft (728 m) above msl. MP top of well, at lsd. Highest water level flowing, many days, 1968-74; lowest 90.58 ft (27.61 m) below lsd, Dec. 10, 1969. Records available: 1960-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1974	(j)	Apr. 3, 1974	(j)	July 3, 1974	(j)	Oct. 2, 1974	(j)
9	(j)	10	(j)	10	(j)	9	(j)
16	(j)	17	(j)	17	(j)	16	(j)
23	(j)	24	(j)	24	(j)	23	(j)
30	(j)	May 1	(j)	31	(j)	30	(j)
Feb. 6	(j)	8	(j)	Aug. 7	(j)	Nov. 6	(j)
13	(j)	15	(j)	14	(j)	13	(j)
20	(j)	22	(j)	21	(j)	20	(j)
27	(j)	29	(j)	28	(j)	27	(j)
Mar. 6	(j)	June 5	(j)	Sept. 4	(j)	Dec. 4	(j)
13	(j)	12	(j)	11	(j)	11	(j)
20	(j)	19	(j)	18	(j)	18	(j)
27	(j)	26	(j)	25	(j)	25	(j)

j Well overflowing.

Mineral County

392114079081101. Local number 22-5-23. Gerald Whisner. Near Elk Garden. Drilled unused artesian well in Conemaugh Formation of Late Pennsylvanian age, diam 6 in (15 cm), depth 37 ft (11 m), cased. Lsd about 2,480 ft (756 m) above msl. MP top of casing, 0.70 ft (0.21 m) above lsd. Highest water level 6.69 ft (0.21 m) above lsd, many days, 1972-73; lowest 10.81 ft (3.29 m) below lsd, Oct. 29, 1968. Records available: 1968-74.

Jan. 4, 1974	+0.60	Apr. 12, 1974	+0.68	July 19, 1974	-1.50	Oct. 11, 1974	-1.50
11	.60	19	.68	26	1.50	18	1.40
18	.60	26	.60	26	1.62	25	.70
25	.60	May 3	+52	Aug. 2	1.70	Nov. 1	.60
Feb. 1	.68	10	-20	9	1.75	8	.60
8	.68	17	.98	16	1.86	15	.60
15	.68	24	2.10	23	2.50	22	.50
22	.68	31	.90	30	3.00	29	-.80
Mar. 1	.68	June 7	.70	Sept. 6	3.10	Dec. 6	+1.0
8	.68	14	1.00	13	2.90	13	0
15	.68	21	.90	20	2.95	20	0
22	.68	28	.90	27	1.50	24	0
29	.68	July 5	.95	27	1.70	27	+68
Apr. 5	.68	12	1.02	Oct. 4	1.50		

Monongalia County

392923079571801. Local number 9-7-33. Paul H. Price. Halleck. Drilled unused water-table well in Buffalo Sandstone Member and Mahoning Sandstone Member of the Conemaugh Formation of Late Pennsylvanian age, diam 6 in (15 cm), depth 141 ft (43 m), cased with steel to 21 ft (6 m). Lsd about 1,850 ft (564 m) above msl. MP top of casing, 0.35 ft (0.11 m) above lsd. Highest water level 40.95 ft (12.48 m) below lsd, Jan. 4, 1960; lowest 80.57 ft (24.56 m) below lsd, Oct. 25, 1973. Records available: 1953-74.

Jan. 24, 1974	59.05	Apr. 24, 1974	62.45	July 26, 1974	61.79	Oct. 29, 1974	77.35
Feb. 22	58.72	May 29	64.35	Aug. 28	75.95	Nov. 26	57.91
Mar. 26	59.94	June 25	60.29	Sept. 20	74.01	Dec. 24	55.75

Preston County

393306079474501. Local number 11-3-8. G. E. Lemmons. East Depot St., Masontown. Drilled domestic (previously reported unused) artesian well in sandstone of Pottsville Formation of Early and Middle Pennsylvanian (previously reported Late Pennsylvanian) age, diam 8 in (20 cm), depth 785 ft (239 m), cased to 350 ft (107 m), perforated at or near Upper Freeport Coal. Lsd about 1,770 ft (539 m) above msl. MP north edge of casing, 3.00 ft (0.91 m) below lsd. Highest water level 7.15 ft (2.18 m) below lsd, Jan. 20, 1947; lowest 108+ ft (33 m) below lsd, Feb. 3, 1959. Records available: 1941-74.

Jan. 24, 1974	64.43	May 29, 1974	65.68	July 29, 1974	66.57	Oct. 29, 1974	48.47
Feb. 22	64.72	June 25	65.29	Aug. 28	70.80	Nov. 26	66.46
Mar. 25	65.53	July 26	67.46	Sept. 20	65.55	Dec. 24	65.41
Apr. 24	65.82						



Raleigh County

374607081122201. Local number 43-3-8. Raleigh Bottling & Ice Co. Mabscott. Drilled unused artesian well in New River Formation of Early Pennsylvanian age, diam 8 in (20 cm), depth 475 ft (145 m), cased to 40 ft (12 m). Lsd about 2,285 ft (696 m) above msl. MP top of casing, 1.00 ft (0.30 m) above lsd. Highest water level 13.03 ft (3.97 m) below lsd, Dec. 27, 1972; lowest 37.13 ft (11.32 m) below lsd, Dec. 15, 1965. Records available: 1959-74.

Date	Water level	Date	Water level	Date	Water level	Date	Water level
Jan. 2, 1974	15.78	Apr. 3, 1974	14.29	July 3, 1974	16.34	Oct. 2, 1974	20.23
9	15.20	10	14.41	10	16.63	9	20.59
16	13.49	17	14.54	17	16.88	16	20.76
23	15.04	24	17.00	24	17.33	23	20.92
30	14.67	May 1	16.82	31	17.82	30	19.31
Feb. 6	15.03	8	15.90	Aug. 7	18.09	Nov. 6	19.75
13	15.33	15	14.96	14	18.44	13	19.02
20	15.76	22	15.50	21	19.26	20	19.22
27	15.72	29	14.76	28	19.66	27	17.91
Mar. 6	15.03	June 5	15.06	Sept. 4	18.28	Dec. 4	17.72
13	14.31	12	15.21	11	18.63	11	17.59
20	13.67	19	15.39	18	19.00	18	17.30
27	14.31	26	16.05	25	19.62	24	18.14

Ritchie County

391226081024901. Local number 28-3-3. City of Harrisville. Drilled unused artesian well in Dunkard Group of Pennsylvanian and Permian age, diam 6 in (15 cm), depth 118 ft (36 m), cased. Lsd 840 ft (256 m) above msl. MP top of casing, about 1.20 ft (0.37 m) above lsd. Highest water level 17.92 ft (5.46 m) below lsd, Apr. 2, 1970; lowest 21.80 ft (6.64 m) below lsd, Sept. 7, 1966. Records available: 1966, 1968-74.

## Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	18.49	19.32	18.95	18.92	19.19	19.08	19.15	19.20	19.33	19.44	19.44	18.67
10	18.69	19.04	19.05	18.88	19.56	18.95	19.45	19.28	19.41	19.57	19.46	18.66
15	18.53	19.17	19.15	18.92	18.84	19.32	19.22	19.56	19.27	19.68	19.30	18.86
20	18.71	19.34	19.23	19.55	19.02	19.21	19.52	19.73	19.43	19.42	18.79	18.80
25	19.05	19.26	19.38	19.75	19.09	18.38	19.69	19.80	19.06	19.43	18.87	18.85
Eom	18.69	19.08	19.35	19.66	19.16	18.41	19.18	19.50	19.08	19.65	18.97	18.75

Wood County

391712081333201. Local number 27-3-22. City of Parkersburg. Drilled unused water-table well in gravel, diam 5 in (13 cm), depth 55 ft (17 m), cased to 55 ft (17 m). Lsd about 601 ft (183 m) above msl. MP top of casing, 2.94 ft (0.90 m) above lsd. Highest water level 16.06 ft (4.90 m) below lsd, Feb. 23, 1971; lowest 37.75 ft (11.51 m) below lsd, Feb. 12, 1948. Records available: 1943-44, 1946-74.

## Water level at noon, from recorder graph, 1974

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
5	25.39	25.41	26.39	24.27	25.27	.....	e25.04	25.81	24.76	25.49	26.21	26.22
10	25.76	25.73	26.11	23.78	25.70	.....	25.49	25.84	24.93	25.77	26.28	25.68
15	24.12	26.05	25.33	23.77	24.23	.....	25.76	25.79	25.01	25.92	26.32	25.52
20	24.35	26.58	25.77	24.33	.....	.....	26.04	25.67	25.16	26.03	26.27	25.37
25	23.99	26.46	25.25	24.77	.....	24.66	e25.61	25.65	25.06	26.09	26.28	25.57
Eom	24.34	26.53	25.44	25.18	.....	25.05	25.73	25.25	25.34	26.19	26.29	.....

e Estimated.