Department of Natural Resources
MARYLAND GEOLOGICAL SURVEY
Kenneth N. Weaver, Director

BASIC DATA REPORT NO. 16

HYDROLOGIC DATA FOR CECIL COUNTY, MARYLAND

compiled by

Richard E. Willey
Ronald A. McGregor
Joanne de Grouchy
and
Michael D. Tompkins

prepared in cooperation with the
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
and the
CECIL COUNTY BOARD OF COMMISSIONERS

1987

CONVERSION FACTORS AND ABBREVIATIONS

For the convenience of readers who may prefer to use metric (International System) units rather than the inch-pound units used in this report, values may be converted by using the following factors:

Multiply inch-pound unit	*By*	*To obtain metric unit*
inch (in)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
foot per second (ft/s)	0.3048	meter per second (m/s)
cubic foot per second (ft^3/s)	0.02832	cubic meter per second (m^3/s)
mile (mi)	1.609	kilometer (km)
square mile (mi^2)	2.590	square kilometer (km^2)
gallon (gal)	3.785	liter (L)
gallon per minute (gal/min)	0.06308	liter per second (L/s)
gallon per day (gal/d)	0.003785	cubic meter per day (m^3/d)
million gallons per day (Mgal/d)	0.04381	cubic meter per second (m^3/s)
degree Fahrenheit (°F)	°C = 5/9 (°F−32)	degree Celsius (°C)

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HYDROLOGIC DATA FOR CECIL COUNTY, MARYLAND

Compiled by

Richard E. Willey,[1] Ronald A. McGregor,[1]
Joanne de Grouchy,[1] and Michael D. Tompkins[2]

ABSTRACT

This report is a compilation of surface-water and ground-water data for Cecil County, Maryland. Surface-water data include streamflow measurements and chemical analyses of water for 29 partial-record stations. Analysis of stream-bottom materials also are shown for trace elements at 20 sites and for pesticides at 10 sites. Ground-water data include water-level measurements for 54 wells, descriptions of 1,540 selected wells and 36 springs, chemical analysis of water from 86 wells, and lithologic logs of 17 wells and test borings ranging in depth from 95 to 1,458 feet. Surface-water and ground-water-appropriation data also are reported.

[1] U.S. Geological Survey
[2] Maryland Geological Survey

INTRODUCTION

Cecil County is located in the northeastern corner of Maryland (fig. 1). It is bounded on the north by Pennsylvania, on the east by Delaware, on the west by the Susquehanna River and Chesapeake Bay, and on the south by the Sassafras River. The total area is approximately 424 mi^2 (square miles); of this, the land area comprises 83 percent or about 351 mi^2. Land-surface elevations range from sea level to 535 ft above sea level. The northern one-third of the county (north of the Fall Line) lies within the Piedmont physiographic province, and the remaining two-thirds are part of the Atlantic Coastal Plain physiographic province.

The Piedmont is underlain by igneous and metamorphic rocks, such as granodiorite, gabbro, serpentine, gneiss, and schist (Higgins and Conant, 1986). Ground water occurs chiefly under water-table conditions in fractures in hard, unweathered rock and in pores in decomposed rock. The Coastal Plain deposits consist largely of unconsolidated pebbly sand and sand (aquifers) and sandy clay and clay (confining beds). The deposits form a wedge-shaped mass of materials that range in thickness from inches along the Fall Line to as much as 1,600 ft in the southeastern corner of the county (Overbeck, Slaughter, and Hulme, 1958) and include, from oldest to youngest, the Potomac Group aquifers, the Magothy aquifer, the Monmouth aquifer, and surficial aquifers such as the Pensauken Formation, upland gravels of Pliocene(?) age and Pleistocene deltaic and fluvial deposits. The Potomac Group is the thickest and most areally extensive Coastal Plain unit in Cecil County. It is thickest (1,250 ft) in the southeastern part of the county (Otton and Mandle, 1984) and thins up-dip toward the Fall Line where it occurs as thin and discontinuous outliers capping Piedmont hills. The Potomac Group consists of interbedded aquifers and confining beds and has a complex hydrostratigraphy. The Magothy and Monmouth aquifers are restricted to the southeastern portions of the county. The surficial aquifers are generally thin with little saturated thickness, but may be important locally, particularly in lowland areas fringing the Bay and in stream valleys. Except for a relatively thin water-table aquifer, ground-water in the Coastal Plain occurs under artesian conditions.

This report contains records of stream-discharge measurements; chemical analyses of surface water and streambed materials; descriptions of springs, wells, and test borings; chemical analyses of ground water; and ground-water levels. The information is compiled from a previously published ground-water study (Overbeck, Slaughter, and Hulme, 1958) and from a water-resources study for Cecil County, conducted between 1981 and 1984 in cooperation with the United States Geological Survey and Cecil County (Otton and others, in preparation). The report is intended to make available to the public and to local, State, and Federal agencies, basic hydrologic information that may aid in the planning of water-resources development. Basic records contained in this report also supplement the water-resources report for Cecil County that is being prepared for publication by the Maryland Geological Survey (Otton and others, in preparation).

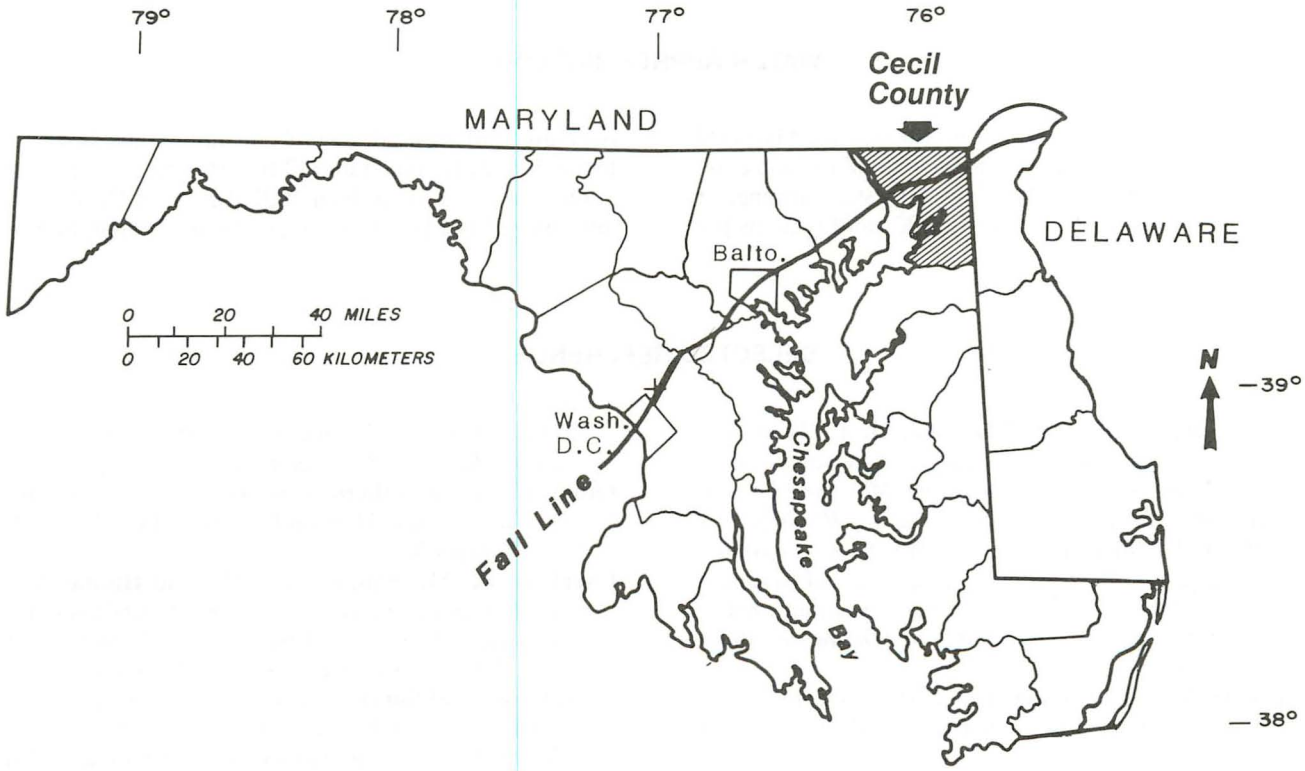

Figure 1. Location of study area.

The authors wish to acknowledge the public officials, commercial and industrial concerns, well drillers, and individual homeowners who have given their time and information to this study.

SURFACE-WATER DATA

Surface-water stations shown in this report are identified by permanent nationwide numbers assigned by the U.S. Geological Survey (table 1). General locations of individual stations are shown in figure 2. Specific locations of each station are shown on individual 5-minute quadrangles, which follow figure 4.

Surface-water records available for continuous-record stations are shown in table 2, and field data obtained at partial-record stations are shown in table 3. Surface water was analyzed for common ions, nutrients, and total organic carbon (table 4). Other indicators of water quality, such as dissolved oxygen content, pH, color, and residual solids are also given.

Bottom materials were analyzed for trace elements (table 5) and pesticides (table 6).

GROUND-WATER DATA

Wells, test borings, and springs described in this report are identified with the Maryland Geological Survey numbering system. Each identifier consists of two pairs of letters followed by a number (for example, CE BF 59). The first pair of letters indicates the county (CE for Cecil). The second pair designates one of the 5-minute quadrangles into which each county has been divided, as shown in figure 4. The number identifies and locates a specific well within a 5-minute quadrangle.

A physical description is given of inventoried wells and borings (table 7), and of selected springs (table 8). Locations are shown on the 5-minute quadrangle maps following figure 4. Selected lithologic logs are shown in table 9 and geophysical logs are shown in figure 3. The interpretive lithologic logs contained in table 9 were compiled using cutting descriptions, drilling characteristics, geophysical logs, and cores when available; the drillers' logs are brief field descriptions obtained from well completion reports. Chemical analyses of ground water are given in table 10. Water-level data are given in table 11 for 54 wells that were measured at 4- to 6-week intervals; construction and aquifer data for these wells are contained in table 7.

WATER APPROPRIATIONS

A water-appropriation permit is issued by the Maryland Water Resources Administration to the individuals and companies that use water for other than domestic, farming, or irrigation purposes. If more than 10,000 gal/d (gallons per day) (average) are used, monthly quantities must be reported to the Administration. Table 12 lists surface-water-appropriation permits for more than 10,000 gal/d in Cecil County, and table 13 is a listing of the ground-water appropriations.

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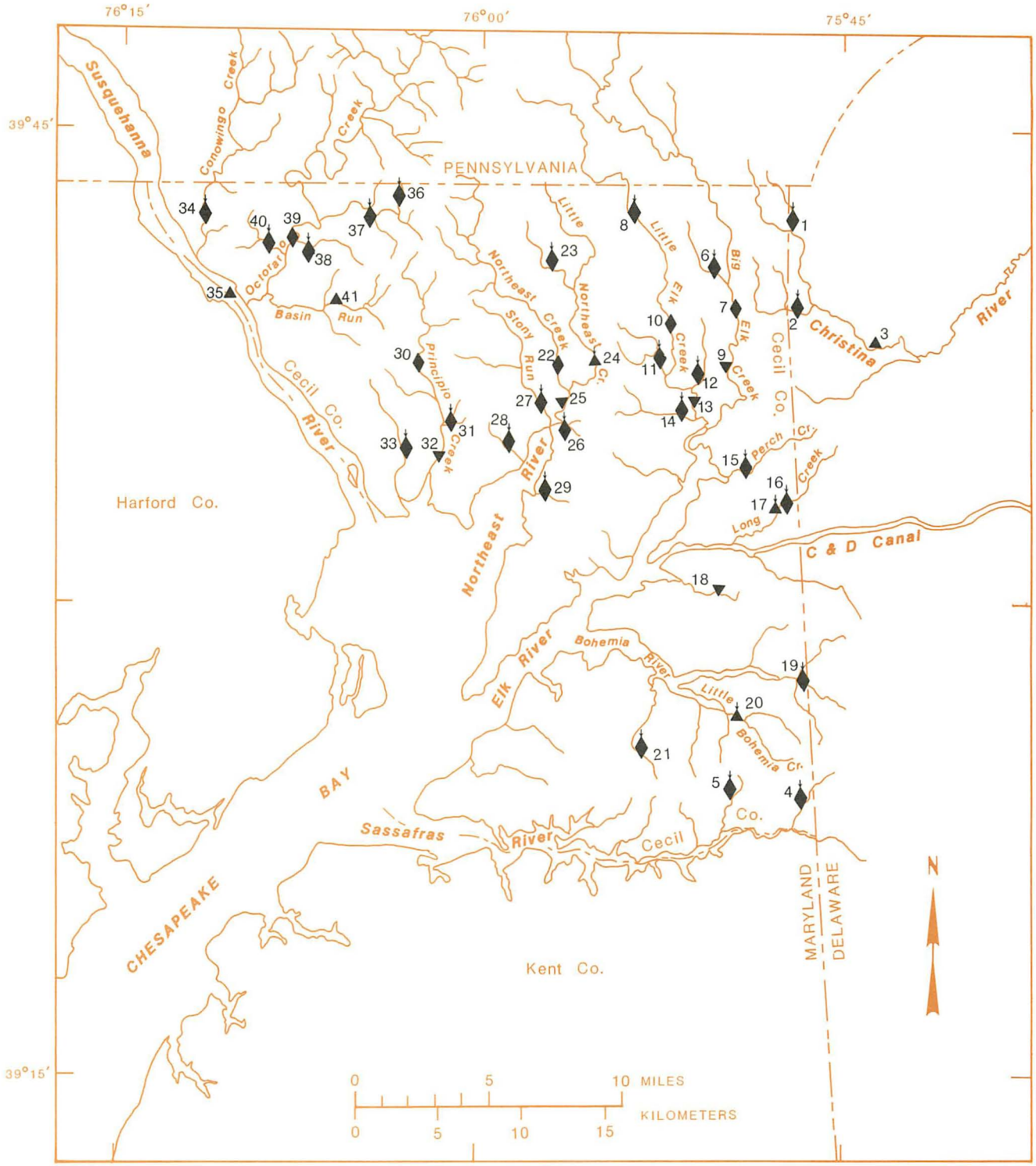


Base map from U.S. Geological Survey, 1:250,000

EXPLANATION

- ♦ Continuous streamflow record and chemical-quality data site.
- ▲ Continuous streamflow record site.
- ♦ Low-flow partial record and chemical-quality data site.
- ▲ Low-flow partial record site.
- ▼ Chemical-quality data site.
- 41 Site number

Figure 2. Location of surface-water data-collection sites.

TABLES 1 THROUGH 13

Table 1. Surface-water stations in and adjacent to Cecil County

Site No.	Station No.	Station name
1	01477850	Christina River near Newark, Del.
2	01477860	West Branch Christina River near Newark, Del.
3	01478000	Christina River at Coochs Bridge, Del.
4	01494450	Sassafras River tributary at Ginns Corner, Md.
5	01494480	Duffy Creek near Cecilton, Md.
6	01494995	Gramies Run at Elk Mills, Md.
7	01495000	Big Elk Creek at Elk Mills, Md.
8	01495480	Little Elk Creek at Rock Church, Md.
9	01495050	Big Elk Creek at Elkton, Md.
10	01495500	Little Elk Creek at Childs, Md.
11	01495520	Laurel Run near Elkton, Md.
12	01495525	Dogwood Run at Elkton, Md.
13	01495530	Little Elk Creek near Elkton, Md.
14	01495540	Mill Creek near Elkton, Md.
15	01495550	Perch Creek near Elkton, Md.
16	01495800	Long Creek near Chesapeake City, Md.
17	01495805	Long Creek near Chesapeake City, Md.[1]
18	01495850	Herring Creek tributary near Chesapeake City, Md.
19	01495925	Sandy Branch at Bohemia Creek, Md.
20	01495935	Little Bohemia Creek near Warwick, Md.
21	01495950	Scotchman Creek tributary near Cecilton, Md.
22	01496000	Northeast Creek at Leslie, Md.
23	01496030	West Branch Little Northeast Creek at Zion, Md.
24	01496050	Little Northeast Creek at Mechanic Valley, Md.
25	01496053	Northeast Creek at North East, Md.
26	01496055	Northeast River tributary at North East, Md.
27	01496060	Stony Run near North East, Md.
28	01496085	Northeast River tributary at Charlestown, Md.
29	01496100	Hance Point Creek at Hance Point, Md.
30	01496200	Principio Creek near Principio Furnace, Md.
31	01496225	Principio Creek tributary at Belvedere, Md.
32	01496230	Principio Creek at Jackson, Md.
33	01496250	Mill Creek at Jackson, Md.
34	01578300	Conowingo Creek at Oakwood, Md.
35	01578310	Susquehanna River at Conowingo, Md.
36	01578475	Stone Run near Rising Sun, Md.
37	01578480	Stone Run at Rising Sun, Md.
38	01578490	Love Run at Richardsmere, Md.
39	01578500	Octoraro Creek near Rising Sun, Md.
40	01578515	Octoraro Creek tributary at Richardsmere, Md.
41	01578900	Basin Run at Liberty Grove, Md.

[1] Formerly called Long Branch.

Table 2. Records available at continuous-record stations in and adjacent to Cecil County

Site No.	Station name	Location	Drainage area (mi^2)	Records available (water years)	Remarks	Source of information
3	Christina River at Coochs Bridge, Del.	Lat 39°38'14", long 75°43'43" New Castle County, on right bank 60 ft downstream from highway bridge, 0.5 mi southeast of Coochs Bridge, 3.3 mi south of Newark.	27.5	1943-1983	Low and medium flow affected by mill above station	USGS Water-Data Report MD-DE-83-1 p. 25.
7	Big Elk Creek at Elk Mills, Md.	Lat 39°29'26", long 75°49'20", Cecil County, on right bank 100 ft below highway bridge at Elk Mills, 3.5 mi north of Elkton and 7 mi upstream from confluence with Little Elk Creek.	52.6	1932-1983	Slight diurnal fluctuation caused by mills above station.	USGS Water-Data Report MD-DE-83-1 p. 55.
10	Little Elk Creek at Childs, Md.	Lat 39°38'30", long 75°52'00", Cecil County, on right bank, downstream side of highway bridge, 0.2 mi southeast of Childs, 1.6 mi above Laurel Run, 2.4 mi northwest of Elkton, and 6.1 mi upstream from confluence with Big Elk Creek.	26.8	1948-1958 dis-continued.	Some regula-tion by paper mills above station.	USGS Water-Supply Paper 1722 p. 293.
16	Long Creek near Chesapeake City, Md.	Lat 39°33'15", long 75°47'18", Cecil County, on left bank, 10 ft downstream from cul-vert on farm road, 2.0 mi northeast of Chesapeake City, and 3.4 mi upstream from mouth.	4.36	1978-1981 dis-continued.		USGS Water-Data Report MD-DE-81-1 p. 87.
22	Northeast Creek at Leslie, Md.	Lat 39°37'38", long 75°56'40", Cecil County, on left bank at downstream side of high-way bridge, 0.7 mi northeast of Leslie and 1.5 mi southeast of Bayview.	24.3	1948-1983	Slight diurnal fluctuation at low flow caused by powerplant above station.	USGS Water-Data Report MD-DE-83-1 p. 61.
30	Principio Creek near Principio Furnace, Md.	Lat 39°37'34", long 76°02'27", Cecil County, on left bank, 55 ft downstream from bridge on Belvedere Road, 3.5 mi north of Principio Furnace.	9.03	1967-1983		USGS Water-Data Report MD-DE-83-1 p. 62.
35	Susquehanna River at Conowingo, Md.	Lat 39°39'31", long 76°10'28", Harford County, at downstream side of Conowingo Dam, 1.0 mi southwest of Conowingo, and 9.9 mi upstream from mouth.	27,100	1967-1983	Flow reg-ulated by Conowingo Reservoir beginning October 1928	USGS Water Data Report MD-DE-83-1 p. 63.
39	Octoraro Creek near Rising Sun, Md.	Lat 39°41'24", long 76°07'43", Cecil County, on right bank downstream side of Porter Bridge, 3.5 mi west of Rising Sun.	193	1932-1958 1968-1977	Slight diurnal fluctuation caused by mills above station. Flow regulated by Chester-Octoraro Reser-voir beginning 1951.	USGS Water-Supply Paper 1722 p. 421.
41	Basin Run at Liberty Grove, Md.	Lat 39°39'30", long 76°06'10", Cecil County, on left bank 100 ft upstream from high-way bridge, 0.9 mi east of Liberty Grove, 1.0 mile southwest of Colora, and 3 miles upstream from mouth.	5.31	1948-1958 1965-1971 discon-tinued.	Occasional di-version for ir-rigation of about 60 acres above station.	USGS Water-Data Report MD-DE-71-1 p. 134.

Table 3. Discharge, specific conductance, water-temperature, and pH measurements at partial-record stations

Site No.	Station name	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)	Specific conductance (µs/cm)	Temperature (°C)	pH (units)
1	Christina River near Newark, Del.	Lat 39°42'02", long 75°47'18", New Castle County, at bridge on Wedgewood Road, 0.5 mi north of State Highway 273, 2.0 mi northwest of Newark.	3.76	11-05-81	1.42	123	7.5	7.4
				8-18-82	--	118	18.2	6.9
				11-02-82	1.59	107	13.2	7.2
				6-14-83	5.18			
2	West Branch Christina River near Newark, Del.	Lat 39°39'20", long 75°47'00", New Castle County, at bridge on Ott's Chapel Road, 0.15 mi south of State Highway 2, 2.0 mi southwest of Newark.	4.20	11-05-81	1.04	348	10.9	7.0
				8-18-82	--	86.7	19.6	6.7
				11-02-82	.91	451	15.3	6.9
				4-22-83	3.67	147	10.0	7.6
				6-14-83	1.83	--	--	--
4	Sassafras River tributary at Ginns Corner, Md.	Lat 39°23'23", long 75°46'47", at culvert on Edgar Price Road, 0.7 mi east of Ginns Corner.	3.81	3-29-82	2.14	147	7.4	7.4
				8-17-82	--	125	18.7	6.9
				11-03-82	1.22	130	16.7	6.8
				6-14-83	3.13	--	--	--
5	Duffy Creek near Cecilton, Md.	Lat 39°23'45", long 75°49'32", at culvert on Wards Hill Road, 2.3 mi east of Cecilton.	1.45	9-10-68	.64	--	--	--
				4-15-69	.62	--	--	--
				7-02-69	.40	--	--	--
				9-25-69	.41	--	--	--
				7-01-70	1.10	--	--	--
				9-04-70	.83	--	--	--
				10-09-70	.58	--	--	--
				3-29-82	.88	115	10.6	6.9
				8-17-82	1.47	152	17.5	6.9
6	Gramies Run at Elk Mills, Md.	Lat 39°40'31", long 75°50'32", at wooden bridge on Booth Road, 0.8 mi north of Elk Mills.	3.05	11-05-81	1.62	110	8.9	7.5
				11-03-82	1.02	96	14.6	7.2
				4-21-83	5.94	107	13.0	7.3
				6-14-83	3.05	--	--	--
				8-26-83	.65	--	--	--
8	Little Elk Creek at Rock Church, Md.	Lat 39°42'03", long 75°53'12", at bridge on State Highway 273, at Rock Church.	17.8	11-03-81	5.57	175	12.1	7.9
				11-02-82	5.90	106	12.5	7.9
				4-21-83	38.6	136	12.2	7.7
				6-13-83	19.9	--	--	--
11	Laurel Run near Elkton, Md.	Lat 39°37'45", long 75°52'29", at culvert on Zeitler Road, 0.87 mi west of State Highway 545, 2.3 mi northwest of Elkton.	3.87	3-30-82	1.55	119	8.6	7.3
				11-03-82	.27	102	13.3	6.9
				6-14-83	1.07	--	--	--
12	Dogwood Run at Elkton, Md.	Lat 39°37'00", long 75°50'58", at culvert on State Highway 545, 1.5 mi northwest of Elkton.	1.62	3-30-82	.32	184	8.8	7.4
				11-03-82	.11	160	13.3	7.5
				6-13-83	.36	--	--	--
				8-26-83	.03	--	--	--
14	Mill Creek near Elkton, Md.	Lat 39°36'03", long 75°51'47", at culvert on Old Elk Neck Road, 0.5 mi south of State Highway 7, and 1.5 mi west of Elkton.	4.12	9-10-68	.70	--	--	--
				9-17-68	.96	--	--	--
				5-29-69	1.33	--	--	--
				7-02-69	.54	--	--	--
				9-26-69	.78	--	--	--
				5-06-70	2.45	--	--	--
				6-01-70	1.27	--	--	--
15	Perch Creek near Elkton, Md.	Lat 39°34'16", long 75°48'53", at bridge on State Highway 213, 2.5 mi south of Elkton.	5.46	9-08-64	.48	--	--	--
				8-31-65	.34	--	--	--
				9-29-65	.47	--	--	--
				7-18-66	.37	--	--	--
				9-13-66	.27	--	--	--
				5-02-67	3.81	--	--	--
				7-26-68	1.08	--	--	--
				9-17-68	2.72	--	--	--
				5-28-69	1.21	--	--	--
				9-26-69	.94	--	--	--
				6-01-70	1.78	--	--	--
				7-07-71	1.00	--	--	--
				9-27-72	1.08	--	--	--
				3-30-82	3.16	91.2	6.3	6.9
				8-18-82	--	102	19.4	6.6
				11-03-82	1.16	85.1	15.4	7.2

Table 3. Discharge, specific conductance, water-temperature, and pH measurements at partial-record stations—Continued

Site No.	Station name	Location	Drainage area (mi²)	Date	Discharge (ft³/s)	Specific conductance (µs/cm)	Temperature (°C)	pH (units)
17	Long Creek near Chesapeake City, Md.	Lat 39°33'05", long 75°47'33", at culvert on Woods Road, 1.7 mi northeast of Chesapeake City, and 2.7 mi above mouth.	[1]5.2	9-10-68	0.62	--	--	--
				4-15-69	1.79	--	--	--
				7-02-69	.51	--	--	--
				9-26-69	.69	--	--	--
				6-01-70	1.06	--	--	--
				9-04-70	.62	--	--	--
				3-30-82	2.44	72	6.1	6.3
				8-17-82	.27	103	26.8	7.1
19	Sandy Branch at Bohemia Creek, Md.	Lat 39°27'36", long 75°46'28", at bridge on Old Telegraph Road, 0.4 mi south of Bohemia Mills, Md.	2.58	9-10-68	1.80	--	--	--
				4-15-69	1.89	--	--	--
				7-02-69	1.16	--	--	--
				9-25-69	1.19	--	--	--
				6-01-70	2.33	--	--	--
				9-04-70	1.79	--	--	--
				10-09-70	1.57	--	--	--
				3-29-82	2.31	158	10.9	7.5
				8-17-82	1.98	160	22.3	6.9
21	Scotchman Creek Tributary near Cecilton, Md.	Lat 39°25'15", long 75°53'15", at wooden bridge on New Cut Road, 1.5 mi northwest of Cecilton.	1.40	3-29-82	.43	181	11.0	8.0
				8-17-82	.28	231	17.8	7.4
				6-14-83	.86	--	--	--
				8-17-83	.69	--	--	--
23	West Branch Little Northeast creek at Zion, Md.	Lat 39°40'52", long 75°57'07", at culvert on Dr. Miller Road, 0.7 mi northeast of Zion.		11-03-81	.76	164	13.2	7.7
				3-30-82	1.46	103	13.2	9.1
				8-17-82	.57	134	29.3	8.1
				4-21-83	2.91	163	14.9	7.7
				6-14-83	1.28	--	--	--
				8-17-83	.83	--	--	--
24	Little Northeast Creek at Mechanic Valley, Md.	Lat 39°28'26", long 75°55'49", at highway bridge, 0.8 mi northwest of Mechanic Valley.	[1]14.0	9-08-64	1.47	--	--	--
				8-31-65	1.03	--	--	--
				9-29-65	1.30	--	--	--
				7-19-66	1.43	--	--	--
				5-02-67	12.9	--	--	--
				7-26-68	3.64	--	--	--
				9-17-68	2.72	--	--	--
				5-29-69	5.56	--	--	--
				9-26-69	3.07	--	--	--
				6-01-70	7.37	--	--	--
				7-07-71	5.60	--	--	--
				9-27-72	4.36	--	--	--
26	Northeast River tributary at North East, Md.	Lat 39°35'43", long 75°56'36", at culvert on State Highway 272, 0.4 mi south of State Highway 7 at North East.	1.55	8-18-82	.12	51	19.9	6.7
				4-21-83	1.31	61	12.7	6.9
				5-13-83	.30	--	--	--
				6-13-83	.20	--	--	--
				8-17-83	.09	--	--	--
27	Stony Run near North East, Md.	Lat 39°36'24", long 75°57'33", at wooden bridge on Razor Strap Road, 0.5 mi west of State Police Barracks, 0.9 mi northwest of North East.	8.23	11-04-81	2.17	--	--	--
				11-06-81	--	107	11.6	8.1
				8-18-82	1.58	127	19.5	7.7
				4-21-83	17.8	82	10.6	7.4
				5-13-83	6.67	--	--	--
				6-13-83	4.98	--	--	--
				8-17-83	1.27	--	--	--

[1] Approximately.

Table 3. Discharge, specific conductance, water-temperature, and pH measurements at partial-record stations—Continued

Site No.	Station name	Location	Drainage area (mi^2)	Date	Discharge (ft^3/s)	Specific conductance (µs/cm)	Temperature (°C)	pH (units)
28	Northeast River tributary at Charlestown, Md.	Lat 39°34'50", long 75°59'51", at culvert on State Highway 7, at northeast city limits of Charlestown.	1.03	11-04-81	0.40	--	--	--
				11-06-81	--	64	11.1	7.1
				8-16-82	.09	100	23.0	6.4
				5-13-83	.40	--	--	--
				6-15-83	.51	--	--	--
29	Hance Point Creek at Hance Point, Md.	Lat 39°33'30", long 75°57'19", at culvert on Hance Point Road, 2.9 mi south of North East, Md.	1.36	11-04-82	.18	46.4	15.2	5.8
				4-21-83	.46	64	13.3	6.1
				5-13-83	.61	--	--	--
				6-13-83	.40	--	--	--
				8-17-83	.06	--	--	--
31	Principio Creek tributary at Belvedere, Md.	Lat 39°35'39", long 76°01'19", at culvert on Belvedere Road, 0.8 mi north of U.S. Highway 40.	2.08	4-13-82	1.56	61.3	9.1	6.0
				8-16-82	1.31	53.0	25.5	7.6
				4-21-83	3.25	69	7.6	6.0
				6-15-83	1.37	--	--	--
33	Mill Creek at Jackson, Md.	Lat 39°34'29", long 76°03'22", at culvert on U.S. Highway 40, 0.95 mi southwest of Jackson.	3.73	11-04-81	1.61	--	10.0	--
				4-13-82	3.78	110	7.5	7.5
				8-16-82	1.86	100	22.0	6.7
				4-21-83	8.68	98	9.3	7.2
				5-13-83	5.36	--	--	--
				6-15-83	4.43	--	--	--
34	Conowingo Creek at Oakwood, Md.	Lat 39°42'01", long 76°11'22", at bridge on Pilot Town Road, 0.5 mi west of Oakwood.	34.4	10-21-81	8.44	149	9.1	7.7
				3-29-82	19.5	155	6.0	8.5
				8-17-82	11.5	162	21.1	7.6
				4-22-83	84.8	159	12.3	7.6
36	Stone Run near Rising Sun, Md.	Lat 39°42'38", long 76°03'29", at culvert on U.S. Highway 1, 0.95 mi northwest of Rising Sun.	2.24	3-30-82	.15	137	9.8	9.4
				8-17-82	.25	192	19.6	7.9
				4-21-83	.62	196	11.8	7.3
37	Stone Run at Rising Sun, Md.	Lat 39°42'21", long 76°04'40", at culvert on U.S. Highway 1, 1.25 mi west of Rising Sun.	6.71	11-03-81	2.35	170	11.1	8.8
				3-30-82	2.75	169	7.5	7.6
				8-17-82	1.70	157	25.6	9.1
				4-21-83	10.7	140	13.6	8.4
				6-16-83	4.39	--	--	--
38	Love Run at Richardsmere, Md.	Lat 39°41'23", long 76°07'38", at bridge on Colora Road at Richardsmere.	3.55	10-22-81	.94	--	--	--
				11-06-81	--	157	11.2	7.8
				3-29-82	1.22	150	9.7	8.7
				8-17-82	1.35	158	20.0	8.0
				4-22-83	4.84	135	11.0	7.5
				6-15-83	3.18	--	--	--
40	Octoraro Creek tributary at Richardsmere, Md.	Lat 39°41'09", long 76°08'32", at bridge on Colora Road at Richardsmere.	3.27	10-22-81	.68	--	--	--
				11-06-81	--	153	11.4	7.9
				3-29-82	1.87	132	9.2	9.1
				8-17-82	.76	151	19.3	7.9
				4-22-83	5.1	129	13.7	7.8
				6-15-83	2.91	--	--	--
				8-17-83	.83	--	--	--

Table 4. Chemical analyses of surface water at selected stream sites

SITE NO.	DATE OF SAMPLE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (µS/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS NONCAR-BONATE (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
1	82-11-02	1140	1.6	107	7.2	13.0	20	9.1	40	11	9.9
2	82-11-02	1340	.91	451	6.9	15.5	10	8.6	73	39	19
4	82-08-17	1125	1.5	150	6.9	17.5	18	--	54	23	11
5	82-11-03	1715	1.2	130	6.8	16.5	15	5.1	58	27	12
6	82-11-03	1220	1.0	96	7.2	14.5	15	9.2	33	8	8.4
7	82-11-02	1445	23	108	8.0	14.5	10	11.1	40	13	9.2
8	82-11-02	1000	5.9	106	7.3	12.5	15	9.8	52	15	9.6
10	82-11-03	1350	9.0	127	8.8	16.5	10	11.2	53	19	11
11	82-11-03	1050	.27	102	6.9	13.5	20	5.5	31	11	6.8
12	82-11-03	0940	.11	160	7.5	13.5	20	5.6	47	12	10
14	82-08-16	1600	1.0	95	5.8	17.5	16	--	18	7	4.4
15	82-11-03	1500	1.2	85	7.2	15.5	30	7.3	34	15	6.7
16	82-08-17	1650	.27	100	7.1	27.0	45	--	33	8	6.3
19	82-08-17	1340	2.0	160	6.9	22.5	11	--	62	26	16
21	82-08-17	0930	.28	230	7.4	18.0	10	--	99	22	35
22	82-08-18	1215	7.7	141	8.2	21.0	16	9.0	49	9	9.4
23	82-08-17	1545	.57	134	8.1	29.3	20	9.1	39	6	9.0
27	82-08-18	1115	1.6	127	7.7	19.5	15	9.1	36	3	7.4
28	82-08-16	1430	.09	100	6.4	23.0	50	--	26	6	6.6
29	82-11-04	1015	.18	46	5.8	15.0	20	4.5	14	5	3.1
30	82-08-16	1800	3.5	160	7.3	23.0	10	--	46	5	10
31	82-08-16	1530	1.3	53	7.6	25.5	52	--	8	2	1.8
33	82-08-16	1645	1.9	100	6.7	22.0	25	--	26	11	5.4
34	82-08-17	0915	12	162	7.6	21.0	17	7.5	59	13	12
36	82-08-17	1445	.25	192	7.9	19.5	16	6.7	85	15	11
37	82-08-17	1345	1.7	157	9.1	25.5	18	10.0	63	12	13
38	82-08-17	1230	1.4	158	8.0	20.0	12	8.9	55	21	14
39	82-08-17	1200	49	191	8.1	22.5	16	8.6	72	20	16
40	82-08-17	1030	.76	151	7.9	19.3	18	9.2	64	18	13

Table 4. Chemical analyses of surface water at selected stream sites—Continued

SITE NO.	DATE OF SAMPLE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)
1	82-11-02	3.8	6.6	2.8	29	12	9.6	0.20	16	74	1.50
2	82-11-02	6.2	48	5.6	34	20	93	.30	17	256	2.90
4	82-08-17	6.5	5.0	2.1	31	15	9.7	.10	17	117	4.30
5	82-11-03	6.8	4.7	3.1	31	15	12	.20	19	99	2.60
6	82-11-03	3.0	8.6	1.8	25	14	8.5	<.10	23	81	.90
7	82-11-02	4.1	6.7	3.0	27	10	10	.20	9.6	73	1.90
8	82-11-02	6.7	6.7	2.4	37	10	9.8	<.10	9.8	88	2.60
10	82-11-03	6.2	8.9	2.6	34	12	12	<.10	11	89	2.10
11	82-11-03	3.5	11	2.1	20	11	19	<.10	13	85	<.10
12	82-11-03	5.4	16	3.5	35	11	29	.20	6.7	105	<.10
14	82-08-16	1.8	9.2	1.4	11	8.0	13	<.10	8.2	66	.65
15	82-11-03	4.1	5.1	2.6	19	11	9.8	<.10	9.8	66	1.30
16	82-08-17	4.2	5.0	3.0	25	7.0	9.3	.10	7.8	82	.98
19	82-08-17	5.4	5.0	2.5	36	12	11	.10	13	107	2.60
21	82-08-17	2.7	4.0	1.7	77	16	9.3	.30	18	146	1.20
22	82-08-18	6.3	7.2	2.1	40	8.0	8.0	<.10	19	92	2.00
23	82-08-17	3.9	9.1	4.2	33	7.0	8.4	.20	21	109	2.10
27	82-08-18	4.2	8.8	1.6	33	8.0	9.5	.10	13	96	2.70
28	82-08-16	2.3	6.8	1.6	20	8.0	8.0	<.10	6.0	69	.15
29	82-11-04	1.4	2.9	.90	9.0	6.0	5.2	.10	9.1	48	.20
30	82-08-16	5.2	8.3	2.7	41	14	7.9	<.10	21	103	2.80
31	82-08-16	.95	5.1	<.10	6.0	3.0	9.5	<.10	6.0	39	<.10
33	82-08-16	3.0	7.3	.70	15	5.0	12	<.10	12	76	1.00
34	82-08-17	7.1	5.6	3.4	46	8.0	10	<.10	8.2	100	4.00
36	82-08-17	14	2.4	.50	70	6.0	8.0	<.10	21	118	1.80
37	82-08-17	7.5	5.7	1.1	51	8.0	8.0	.10	17	104	1.90
38	82-08-17	4.8	7.1	1.3	34	19	9.4	<.10	21	118	2.30
39	82-08-17	7.8	6.3	4.1	52	13	11	.10	7.3	124	2.30
40	82-08-17	7.6	4.0	.70	46	12	8.3	<.10	18	89	1.60

Table 4. Chemical analyses of surface water at selected stream sites—Continued

SITE NO.	DATE OF SAMPLE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (µG/L AS FE)	IRON, SUSPENDED RECOVERABLE (µG/L AS FE)	IRON, DISSOLVED (µG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (µG/L AS MN)	MANGANESE, SUSPENDED RECOV. (µG/L AS MN)	MANGANESE, DISSOLVED (µG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)
1	82-11-02	0.30	0.020	0.010	160	100	60	10	0	12	2.8
2	82-11-02	.60	.190	.160	800	380	420	170	10	160	6.1
4	82-08-17	.10	.030	.030	550	350	200	70	20	48	.80
5	82-11-03	.50	.09	.090	2200	1900	260	300	100	200	4.9
6	82-11-03	.30	.020	<.010	230	180	48	10	5	5	3.2
7	82-11-02	.40	.030	.020	270	210	65	10	0	16	3.1
8	82-11-02	.70	.020	.030	260	190	66	30	7	23	2.5
10	82-11-03	.30	.030	.020	320	180	140	30	10	19	5.3
11	82-11-03	3.7	.030	<.010	870	660	210	140	30	110	5.9
12	82-11-03	.40	.070	.050	470	260	210	40	5	35	6.0
14	82-08-16	.10	.010	<.010	760	410	350	30	0	32	2.3
15	82-11-03	.50	.020	<.010	560	350	210	20	2	18	8.2
16	82-08-17	1.8	.040	.060	5900	4100	1800	440	120	320	7.6
19	82-08-17	.10	.020	.020	650	470	180	50	7	43	1.6
21	82-08-17	<.10	.040	.050	740	510	230	60	10	47	1.9
22	82-08-18	--	.050	.030	320	200	120	20	10	10	1.6
23	82-08-17	.20	.160	.180	6800	6400	360	530	380	150	11
27	82-08-18	--	.220	.220	260	90	170	10	6	4	3.4
28	82-08-16	--	<.010	<.010	2100	1500	610	20	3	17	7.2
29	82-11-04	1.0	.040	.010	1800	1400	360	190	20	170	4.7
30	82-08-16	--	.060	.050	270	200	74	20	10	8	1.3
31	82-08-16	--	<.010	<.010	2300	2200	71	160	10	150	5.9
33	82-08-16	--	<.010	<.010	440	130	310	10	3	7	2.4
34	82-08-17	--	.050	.040	540	430	110	60	40	25	2.7
36	82-08-17	--	.020	.010	120	90	31	20	20	4	2.4
37	82-08-17	--	.040	.020	230	140	89	30	10	16	2.5
38	82-08-17	--	.030	.030	330	300	30	40	40	5	5.2
39	82-08-17	--	.040	.030	440	400	40	70	40	32	3.2
40	82-08-17	--	.020	.010	390	360	29	30	30	4	1.5

Table 5. Chemical analyses for trace elements in bottom materials at selected stream sites

SITE NO.	DATE OF SAMPLE	TIME	ARSENIC TOTAL (µG/G AS AS)	CADMIUM (µG/G AS CD)	CHRO-MIUM (µG/G AS CR)	COPPER (µG/G AS CU)	IRON (µG/G AS FE)	LEAD (µG/G AS PB)	MANGA-NESE (µG/G AS MN)	MERCURY (µG/G AS HG)	ZINC (µG/G AS ZN)
1	82-08-18	0900	<1	1	5	16	4,200	80	220	<0.01	60
2	82-08-18	0950	<1	<1	2	1	580	<10	130	<.01	7
4	82-08-17	1125	<1	<1	2	1	2,700	<10	100	<.01	7
9	82-08-18	1035	<1	<1	2	1	1,200	<10	190	<.01	5
13	82-08-18	1140	<1	<1	5	<1	1,800	10	200	<.01	17
14	82-08-16	1600	<1	<1	3	2	760	<10	27	<.01	5
15	82-08-18	1200	<1	<1	1	<1	690	<10	27	<.01	7
18	82-08-17	1530	<1	<1	3	6	2,900	10	91	<.01	18
19	82-08-17	1340	<1	<1	2	1	2,900	<10	120	<.01	7
21	82-08-17	0930	<1	<1	6	1	3,700	<10	70	<.01	10
25	82-08-18	0900	<1	<1	4	5	2,400	50	190	<.01	12
26	82-08-18	0945	<1	<1	1	2	650	10	6	<.01	5
27	82-08-18	1115	<1	<1	1	1	430	<10	90	<.01	5
31	82-08-16	1530	<1	<1	1	1	820	10	87	<.01	6
32	82-08-18	1200	<1	<1	7	1	2,500	<10	200	<.01	9
33	82-08-16	1645	<1	<1	5	4	940	10	230	<.01	16
34	82-08-17	0915	<1	<1	30	2	2,700	<10	460	<.01	9
37	82-08-17	1345	<1	<1	9	2	1,400	10	96	<.01	8
39	82-08-17	1200	<1	<1	6	3	2,700	10	150	<.01	12
40	82-08-17	1030	<1	<1	20	7	3,500	<10	290	<.01	10

Table 6. Chemical analyses for pesticides and synthetic-organic compounds in bottom materials at selected stream sites

SITE NO.	DATE OF SAMPLE	TIME	PCB TOTAL (µG/KG)	PCN TOTAL (µG/KG)	ALDRIN TOTAL (µG/KG)	CHLOR-DANE TOTAL (µG/KG)	DDD TOTAL (µG/KG)	DDE TOTAL (µG/KG)	DDT TOTAL (µG/KG)	DI-AZINON TOTAL (µG/KG)	DI-ELDRIN TOTAL (µG/KG)
4	82-08-17	1125	<1	<1	<0.1	<1	2.4	1.1	2.7	<0.1	<0.1
9	82-08-18	1035	<1	<1	<.1	<1	<.1	<.1	<.1	<.1	<.1
13	82-08-18	1140	58	<1	<.1	4	5.8	<.1	12	<.1	.3
14	82-08-16	1600	<1	<1	<.1	<1	.7	.3	<.1	<.1	<.1
15	82-08-18	1200	<1	<1	<.1	<1	<.1	<.1	<.1	<.1	<.1
18	82-08-17	1530	<1	<1	<.1	<1	.9	.3	.3	<.1	<.1
25	82-08-18	0900	<1	<1	<.1	3	<.1	<.1	.4	<.1	<.1
32	82-08-18	1200	<1	<1	<.1	<1	<.1	<.1	<.1	<.1	<.1
34	82-08-17	0915	<1	<1	<.1	<1	<.1	<.1	<.1	<.1	<.1
37	82-08-17	1345	<1	<1	<.1	<1	<.1	<.1	<.1	<.1	<.1

SITE NO.	DATE OF SAMPLE	ENDO-SULFAN TOTAL (µG/KG)	ENDRIN TOTAL (µG/KG)	ETHION TOTAL (µG/KG)	HEPTA-CHLOR TOTAL (µG/KG)	HEPTA-CHLOR EPOXIDE TOTAL (µG/KG)	LINDANE TOTAL (µG/KG)	MALA-THION TOTAL (µG/KG)	METHYL PARA-THION TOTAL (µG/KG)	METHYL TRI-THION TOTAL (µG/KG)	METH-OXY-CHLOR TOTAL (µG/KG)
4	82-08-17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
9	82-08-18	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
13	82-08-18	.1	.3	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
14	82-08-16	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
15	82-08-18	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
18	82-08-17	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
25	82-08-18	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
32	82-08-18	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
34	82-08-17	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1
37	82-08-17	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1	<.1

SITE NO.	DATE OF SAMPLE	MIREX TOTAL (µG/KG)	PARA-THION TOTAL (µG/KG)	PER-THANE (µG/KG)	SILVEX TOTAL (µG/KG)	TOXA-PHENE TOTAL (µG/KG)	TRI-THION TOTAL (µG/KG)	2,4-D TOTAL (µG/KG)	2,4-DP (µG/KG)	2,4,5-T TOTAL (µG/KG)
4	82-08-17	<0.1	<0.1	<1	<0.1	<10	<0.1	<0.1	<0.1	<0.1
9	82-08-18	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
13	82-08-18	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
14	82-08-16	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
15	82-08-18	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
18	82-08-17	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
25	82-08-18	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
32	82-08-18	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
34	82-08-17	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1
37	82-08-17	<.1	<.1	<1	<.1	<10	<.1	<.1	<.1	<.1

Table 7. Records of selected wells and borings—Explanation of codes

Well No.:
Wells and borings are located by 5-minute quadrangle (see text for discussion) in alphabetical order by the second pair of letters. Letter prefixes have been omitted from the map numbers to conserve space.

Permit No.:
Number assigned by Maryland Water Resources Administration when permit to drill well was issued. (Now assigned by the Maryland Department of Health and Mental Hygiene.)

Driller:
Last name of driller or abbreviation of corporate name. Full name of driller available from well completion reports on file with Cecil County Health Department, Maryland Department of Health and Mental Hygiene, Maryland Geological Survey, and U.S. Geological Survey.

Method Drilled:
A Air rotary
B Bored or augered
C Cable tool
D Dug
H Hydraulic rotary
J Jetted
P Air percussion
R Reverse rotary
V Driven
W Drive and wash

Depth Drilled:
Depth drilled, in feet, below land surface.

Depth of Well:
Depth of finished well, in feet, below land surface.

Casing Depth:
Depth of bottom of casing, in feet, below land surface.

Openings Interval(s):
Depths of top and bottom of screen or perforated section open to aquifer(s), in feet, below land surface.

Finish:
Codes for type of finish or nature of the openings that allow water to enter completed well:

F Gravel pack with perforated casing
G Gravel pack with screen
O Open-ended casing
P Perforated or slotted casing
S Screen
T Sand point
W Well shored with open-jointed fieldstone, brick, tile, concrete blocks, or wood cribbing
X Well bore open to aquifer

Aquifer:
Listed in alphabetical order are aquifer units modified from the geologic units of the Cecil County geologic map. (Higgins and Conant, 1986).

BOULDER GNEISS: WISS
"Conowingo diamictite", fine- and coarse-grained diamictite facies units of the Wissahickon Formation, and "mixed zone" unit.

GABBRO: BALT
Gabbro unit of the Baltimore complex.

GILPINS FALLS MBR.
Gilpins Falls Member (undivided) of the James Run Formation.

GNEISS (MISC.)
Gneiss on Garrett Island, biotite granite gneiss near Elk Mills, and biotite gneiss near Rolling Mill (undivided).

JAMES RUN LOWER
Undivided rock units of the James Run Formation thought to lie below the Gilpins Falls Member. Includes: Little Northeast Creek, Frenchtown and Principio Furnace Members.

JAMES RUN UPPER
Undivided rock units of the James Run Formation thought to lie above the Gilpins Falls Member. Includes: Unnamed felsite, Happy Valley Branch, Big Elk Creek, and Principio Creek Members.

MAGOTHY
Magothy Formation.

MARSHALL ENGLISHTOWN
Marshalltown and Englishtown Formations (undivided) of the Matawan Group.

MATAWAN
Matawan Group.

MERCHANTVILLE
Merchantville Formation.

METAGRAYWACKE: WISS
Metagraywacke facies unit of the Wissahickon Formation.

MONMOUTH
Monmouth Group.

PATUXENT
Patuxent Formation of the Potomac Group.

PELITIC: WISS
Pelitic schist facies with amphibolites unit of the Wissahickon(?) Formation.

PENSAUKEN
Pensauken Formation.

Aquifer:
PLEISTOCENE
Deltaic and floodplain deposits (undivided) of Pleistocene age.

PLIOCENE
Upland gravels of Pliocene(?) age.

PLTC GNEISS: WISS
Pelitic gneiss facies unit of the Wissahickon(?) Formation.

PLTC SCHIST: WISS
Pelitic schist facies unit of the Wissahickon(?) Formation.

PORT DEPOSIT GNEISS
Port Deposit gneiss, coarse and fine-grained units (undivided).

POTOMAC
Potomac Group (undivided).

SERPENTINITE: BALT
Serpentinite, sheared talc schist, and breccia units (undivided) of the Baltimore complex.

SERPENTINITE-GABBRO
Gabbro and serpentinite at Grays Hill.

SYKESVILLE
Sykesville Formation.

WISSAHICKON
Wissahickon Formation (undivided).

Topography:
Codes for generalized topographic setting of well or test boring:

C Stream channel
F Flat
G Flood plain
H Hilltop
S Hillside
T Terrace
U Undulating
V Valley flat
W Upland draw

Altitude:
Altitude of land surface, in feet, above sea level.

Yield Test Rate:
Discharge in gallons per minute.

Specific Capacity:
Value in gallons per minute per foot of drawdown.

Use of Water:
Codes for primary use of water.

A Air conditioning
C Business establishments that do not fabricate or produce a product (stores, restaurants, etc.)
H Domestic
I Irrigation
N Industries that manufacture a product
P Public supply
Q Aquaculture
R Recreation (State Parks, seasonal camps, etc.)
S Livestock
T Institutional (schools, hospitals, etc.)
U Unused

Other Data Available:
Codes for other data available.

A Time log
D Driller's lithologic log
E Electric log(s)—spontaneous potential, resistivity
G Geologist's lithologic log
J Natural gamma ray log
QH Water-quality analysis for common ions and nutrients
WA Water level measured annually
WC Water level measured continuously
WI Water level measured intermittently
WM Water level measured monthly
WS Water level measured semiannually

Table 7. Records of selected wells and borings

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AA 1	CE-00-8278	MCCULLOUGH, D	BROWN	1951 C	50	50	6	46	-	-	X
CE AA 2	CE-00-5941	BANNISTER, GEORGE V	BROWN	1950 C	60	60	6	8	-	-	X
CE AA 3	CE-00-6416	ECKMAN, LEO	BROWN	1950 C	78	78	6	-	-	-	X
CE AA 4	CE-00-8007	THOMPSON AND MCMILLION	THOMAS	1951 C	85	85	6	80	-	-	X
CE AA 5	CE-00-8492	MCKONLY, B E	BROWN	1951 C	41	41	6	35	-	-	X
CE AA 6	-	GRAYBEAL, H D	BROWN	1946 C	31	31	6	-	-	-	X
CE AA 8	CE-01-0988	PIERCE, EDWIN S	BROWN	1952 C	50	50	6	46	-	-	X
CE AA 9	CE-01-1086	WATTS, HARRY A	BROWN	1952 C	39	39	6	31	-	-	X
CE AA 10	-	RAGAN, CURTIS	-	1952 C	45	45	6	-	-	-	X
CE AA 12	-	BROWN, C H	BROWN	- C	80	80	6	-	-	-	X
CE AA 13	-	BROWN, C H	-	- D	17	17	30	17	-	-	W
CE AA 15	-	HAGEN, EARL	-	- D	41	41	60	41	-	-	W
CE AA 16	-	PALMER, J C	-	- D	30	30	40	31	-	-	W
CE AA 17	CE-01-1438	CALDWELL, B E	BROWN	1952 C	50	50	6	22	-	-	X
CE AA 18	CE-01-1744	CALDWELL, B E	BROWN	1953 C	58	58	6	20	-	-	X
CE AA 19	CE-01-2674	CAMP SHADOWBROOK GSA	RINIER	1953 C	100	100	6	7	-	-	X
CE AA 20	-	CAMP SHADOWBROOK GSA	RINIER	1951 C	75	75	6	-	-	-	X
CE AA 21	CE-03-8377	CONSOLIDATED RAIL CORP	LEONARD	1960 C	95	95	6	42	-	-	X
CE AA 22	CE-81-0361	CONOWINGO COUNTRY STORE	BROWN	1982 A	140	140	6	80	-	-	X
CE AA 23	CE-68-0229	MCCULLOUGH, DONALD	BROWN	1968 A	70	70	6	44	-	-	X
CE AA 24	CE-73-2382	OAKWOOD ROD AND GUN CLUB	HAMILTON	1978 A	142	142	6	109	-	-	X
CE AA 25	CE-67-0121	OAKWOOD HOTEL	BROWN	1966 A	71	71	6	16	-	-	X
CE AA 26	CE-69-0170	BALTIMORE GAS AND ELEC CO	BROWN	1969 A	246	246	6	119	-	-	X
CE AA 27	CE-67-0211	WOODSIDE DINER	BROWN	1966 A	59	59	6	58	-	-	X
CE AA 28	CE-73-3819	CAMP SHADOWBROOK GSA	JONES	1981 P	150	150	6	21	-	-	X
CE AA 29	CE-73-2731	PILOTOWN ROD AND GUN CLUB	BROWN	1978 A	104	104	6	25	-	-	X
CE AA 30	CE-68-0078	BELL MANOR CAMP GSA	LEONARD	1967 A	185	185	6	50	-	-	X
CE AA 31	CE-81-0532	BELL MANOR CAMP GSA	BROWN	1983 A	390	390	6	92	-	-	X
CE AA 32	CE-02-5643	BROWN, BERNARD	MAYBERRY	1956 C	66	66	6	21	-	-	X
CE AA 33	CE-71-0046	CONOWINGO MOBILE HOME COURT	HAMILTON	1970 H	120	120	6	30	-	-	X
CE AA 34	CE-71-0047	CONOWINGO MOBILE HOME COURT	HAMILTON	1970 H	90	90	6	55	-	-	X
CE AA 35	CE-71-0029	CONOWINGO MOBILE HOME COURT	HAMILTON	1970 H	117	117	6	25	-	-	X
CE AA 36	CE-73-2978	CONOWINGO MOBILE HOME COURT	HAMILTON	1971 H	136	136	6	45	-	-	X
CE AA 37	CE-71-0196	SUSQUEHANNA CAMPGROUNDS	BROWN	1971 H	228	228	6	21	-	-	X
CE AA 38	CE-72-0358	SUSQUEHANNA CAMPGROUNDS	BROWN	1972 H	100	100	6	81	-	-	X
CE AA 39	CE-73-1420	ORDWAY, LEON A III	BROWN	1976 A	135	135	6	131	-	-	X
CE AA 40	CE-65-0188	MT ZOAR A.M.E. CHURCH	BROWN	1964 A	64	64	6	53	-	-	X
CE AB 1	CE-00-7177	WAYNE, ARTHUR	RINIER	1950 C	83	83	6	11	-	-	X
CE AB 2	CE-01-0176	COULTER, HENRY	RINIER	1952 C	52	52	6	35	-	-	X
CE AB 3	CE-01-0175	WAYNE, ERNEST	RINIER	1952 C	46	46	6	40	-	-	X
CE AB 4	CE-00-9612	SOCHNER, H	RINIER	1952 C	75	75	6	48	-	-	X
CE AB 5	CE-00-7832	DAVIDSON, W	RINIER	1951 C	19	19	6	8	-	-	X
CE AB 6	CE-00-9872	HAMILTON, THOMAS	MILLER	1952 C	60	60	6	60	-	-	O
CE AB 7	CE-00-8901	ADAMS, E	BROWN	1951 C	50	50	6	40	-	-	X
CE AB 8	CE-00-8958	LUELLES, W	BROWN	1951 C	51	51	6	31	-	-	X
CE AB 9	CE-00-6017	RAKES, ROSCOE	SMITH	1950 C	55	55	6	35	-	-	X
CE AB 10	CE-00-5013	BURD, HARRY	MORGAN	1949 C	52	52	6	51	-	-	X
CE AB 11	CE-01-0823	COLE, C C	BROWN	1952 C	25	25	6	20	-	-	X
CE AB 12	CE-01-0006	FRETWELL, WILLIAM	MILLER	1952 C	42	42	6	17	-	-	X
CE AB 13	CE-01-0007	MCGLOCKLIN, WILLIAM	MILLER	1952 C	60	60	6	40	-	-	X
CE AB 14	CE-06-0013	BALDERSTON, DONALD	SLAUCH	1952 C	53	53	6	26	-	-	X
CE AB 15	CE-01-1089	ADAMS, W D	MILLER	1952 C	58	58	6	4	-	-	X
CE AB 16	CE-01-0561	RAK, JOHN	BROWN	1952 C	46	46	6	-	-	-	X
CE AB 17	CE-01-0778	PARKER, GEORGE N	BROWN	1952 C	30	30	6	15	-	-	X
CE AB 18	CE-01-0779	JOHNSON, THOMAS	BROWN	1952 C	30	30	6	22	-	-	X
CE AB 19	CE-01-0615	JOHNSON, RAY	BROWN	1952 C	35	35	6	-	-	-	X
CE AB 20	CE-01-1322	CHILDS, WALTER S	DOUGHERTY	1952 C	47	47	6	11	-	-	X
CE AB 21	-	-	-	1935 C	41	41	6	-	-	-	X
CE AB 22	-	MCMULLEN, GEORGE	-	- D	28	28	36	28	-	-	W
CE AB 24	-	DALTON, CEPHAS	-	- D	35	35	48	35	-	-	W
CE AB 25	-	REYNOLDS, HORACE	-	- D	29	29	42	29	-	-	W
CE AB 26	CE-01-1311	SCHEIB, RAYMOND	BROWN	1952 C	80	80	6	15	-	-	X
CE AB 27	CE-01-1030	COLE, ROY	BROWN	1952 C	60	60	6	31	-	-	X
CE AB 28	CE-01-1220	ALDER, LESLIE	DOUGHERTY	1952 C	60	60	6	36	-	-	X
CE AB 29	CE-01-1552	SULLIVAN, WILLIAM	MILLER	1953 C	34	34	6	-	-	-	X
CE AB 30	CE-01-0616	ELVILLE, FRANCIS	BROWN	1952 C	25	25	6	24	-	-	X
CE AB 31	CE-01-0153	KIRK, DONALD J	MILLER	1952 C	41	41	6	25	-	-	X
CE AB 32	CE-01-1221	HOPKINS, THOMAS	DOUGHERTY	1952 C	48	48	6	31	-	-	X
CE AB 33	CE-01-1225	PERRY, BRANHAM	BROWN	1952 C	40	40	6	40	-	-	X
CE AB 34	-	SILVER CANNING CO	-	- C	60	60	6	-	-	-	X
CE AB 35	CE-00-3311	TOME, HOWARD	MILLER	1949 C	77	77	6	-	-	-	X
CE AB 36	CE-00-4320	COULTER, R	RINIER	1949 C	44	44	6	-	-	-	X
CE AB 37	CE-01-1554	ADAMS, W D	MILLER	1953 C	50	50	6	50	-	-	O
CE AB 38	CE-01-2244	BROOKS, GARNEY	BROWN	1953 C	35	35	6	15	-	-	X
CE AB 39	CE-01-2082	BROWN, CLAYTON	BROWN	1953 C	50	50	6	49	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
GABBRO:BALT	F	385	20	07/24/51	20	-	8	07/24/51	0.5	-	H		CE AA 1
SERPENTINITE:BALT	S	350	20.66	06/05/80	20	30	12	05/30/50	.5	1.2	H	WS	CE AA 2
METAGRAYWACKE:WISS	S	395	20	08/14/50	20	40	6	08/14/50	1	.3	H	QH	CE AA 3
SERPENTINITE:BALT	H	355	20	10/29/51	20	60	10	10/29/51	2	.3	H	D	CE AA 4
SERPENTINITE:BALT	F	455	8	08/24/51	8	20	10	08/24/51	14	.8	C		CE AA 5
GABBRO:BALT	F	345	-	-	-	-	-	-	-	-	C		CE AA 6
GABBRO:BALT	S	285	19	09/16/52	19	28	4	09/16/52	2	.4	H	D	CE AA 8
GABBRO:BALT	S	335	20	10/02/52	20	28	8	10/02/52	1	1.0	H	D,QH	CE AA 9
GABBRO:BALT	F	315	-	-	-	-	-	-	-	-	H		CE AA 10
SERPENTINITE:BALT	F	375	-	-	-	-	-	-	-	-	H		CE AA 12
SERPENTINITE:BALT	F	375	7.47	12/18/52	-	-	-	-	-	-	H		CE AA 13
METAGRAYWACKE:WISS	H	335	27.48	12/18/52	-	-	-	-	-	-	H		CE AA 15
SERPENTINITE:BALT	F	395	9.17	12/18/52	-	-	-	-	-	-	H		CE AA 16
SERPENTINITE:BALT	S	315	3	12/16/52	4	35	8	12/16/52	1	.3	H	D	CE AA 17
SERPENTINITE:BALT	S	310	11.25	02/19/53	11.25	36	6	02/19/53	1	.2	H	D	CE AA 18
SERPENTINITE:BALT	F	285	25	07/23/53	25	-	2	07/23/53	-	-	R	D	CE AA 19
SERPENTINITE:BALT	F	285	40.70	09/00/56	-	-	-	-	-	-	R		CE AA 20
BOULDER GNEISS:WISS	V	115	8	04/29/60	8	23	50	04/29/60	1	3.3	H	D	CE AA 21
GABBRO:BALT	F	345	6	07/22/82	6	52	9	07/22/82	4	.2	C	D	CE AA 22
GABBRO:BALT	F	365	16	06/17/68	16	48	6	06/17/68	1	.2	H	D,QH	CE AA 23
GABBRO:BALT	F	370	35	09/05/78	-	-	-	-	-	-	H	D	CE AA 24
GABBRO:BALT	F	365	25	09/01/66	25	60	8	09/01/66	1	.2	C	D	CE AA 25
SERPENTINITE:BALT	F	485	39	01/29/69	39	98	5	01/29/69	8	<.1	H	D	CE AA 26
SERPENTINITE:BALT	F	455	9	10/25/66	9	14	100	10/25/66	12	20.0	C	D	CE AA 27
SERPENTINITE:BALT	S	270	20	04/28/81	20	95	20	04/28/81	4	.3	R	D	CE AA 28
SERPENTINITE:BALT	F	345	25	10/30/78	25	60	5	10/30/78	1	.1	H	D	CE AA 29
GABBRO:BALT	H	345	43	10/12/67	43	63	15	10/12/67	3	.8	R	D	CE AA 30
GABBRO:BALT	H	325	50	03/16/83	50	110	22	03/16/83	6	.4	R	D	CE AA 31
GABBRO:BALT	H	325	15	12/27/56	15	40	25	12/27/56	1	1.0	H		CE AA 32
GABBRO:BALT	S	310	25	08/10/70	25	-	7	08/10/70	2	-	P	D	CE AA 33
GABBRO:BALT	S	310	25	08/09/70	25	-	3	08/09/70	3	-	P	D	CE AA 34
GABBRO:BALT	H	330	30	08/13/70	30	-	12	08/13/70	3	-	P	D	CE AA 35
GABBRO:BALT	H	325	33	05/30/71	33	136	30	05/30/71	4	.3	P	D	CE AA 36
GABBRO:BALT	H	365	13	04/08/71	13	160	7	04/08/71	3	<.1	R	D	CE AA 37
GABBRO:BALT	F	350	10	05/15/72	10	16	30	05/15/72	2	5.0	R	D	CE AA 38
SERPENTINITE:BALT	S	470	40	03/04/76	40	50	200	03/04/76	2	20.0	H	D	CE AA 39
GABBRO:BALT	H	385	35	11/27/64	35	52	6	11/27/64	2	.4	T	D	CE AA 40
BOULDER GNEISS:WISS	H	350	25	12/22/50	25	-	8	12/20/50	-	-	H	D	CE AB 1
BOULDER GNEISS:WISS	S	330	26	06/16/52	26	-	6	06/16/52	-	-	H	D	CE AB 2
BOULDER GNEISS:WISS	S	335	28	06/11/52	28	-	8	06/11/52	-	-	H		CE AB 3
BOULDER GNEISS:WISS	S	340	25	03/19/52	25	-	6	03/19/52	-	-	H	D	CE AB 4
BOULDER GNEISS:WISS	S	320	6	05/03/51	6	-	8	05/03/51	-	-	H	D	CE AB 5
BOULDER GNEISS:WISS	S	355	15	04/07/52	15	-	3	04/07/52	1	-	H	D	CE AB 6
BOULDER GNEISS:WISS	S	355	14.10	08/18/53	22	40	4	12/21/51	3	.2	H	D	CE AB 7
BOULDER GNEISS:WISS	S	350	10	10/26/51	10	20	10	10/26/51	2	1.0	H		CE AB 8
BOULDER GNEISS:WISS	S	365	20	06/10/50	20	25	11	06/10/50	4	2.2	H	D	CE AB 9
BOULDER GNEISS:WISS	S	350	10	11/14/49	10	20	15	11/14/49	3	1.5	C	D	CE AB 10
BOULDER GNEISS:WISS	S	135	10	09/03/52	10	15	4	09/03/52	1	.8	H	D	CE AB 11
BOULDER GNEISS:WISS	S	340	15	04/26/52	15	-	20	04/26/52	1	-	H	D	CE AB 12
BOULDER GNEISS:WISS	S	320	30	05/01/52	30	40	4	05/01/52	1	.4	H		CE AB 13
BOULDER GNEISS:WISS	S	380	25	04/03/52	25	35	7	04/03/52	1	.7	H		CE AB 14
BOULDER GNEISS:WISS	S	370	45	09/30/52	45	52	8	09/30/52	6	1.1	H	D	CE AB 15
BOULDER GNEISS:WISS	S	365	8	08/12/52	8	20	8	08/12/52	1	.7	H		CE AB 16
BOULDER GNEISS:WISS	S	340	8	09/04/52	8	15	10	09/04/52	1	1.4	H		CE AB 17
BOULDER GNEISS:WISS	S	340	8	09/08/52	8	15	15	09/08/52	1	2.1	H		CE AB 18
BOULDER GNEISS:WISS	S	340	9	08/20/52	9	25	10	08/20/52	2	.6	H		CE AB 19
BOULDER GNEISS:WISS	H	320	31	11/15/52	31	34	20	11/15/52	5	6.7	H	D	CE AB 20
GABBRO:BALT	S	345	3.54	12/17/52	-	-	-	-	-	-	H		CE AB 21
GABBRO:BALT	S	410	-	-	-	-	-	-	-	-	H		CE AB 22
GABBRO:BALT	S	185	-	-	-	-	-	-	-	-	H		CE AB 24
GABBRO:BALT	W	375	15.60	12/17/52	-	-	-	-	-	-	H		CE AB 25
SERPENTINITE:BALT	F	450	20	11/10/52	20	53	6	11/10/52	1	.2	H	D,QH	CE AB 26
GABBRO:BALT	F	410	18	09/27/52	18	40	10	09/27/52	2	.5	H	D	CE AB 27
BOULDER GNEISS:WISS	S	390	22	10/29/52	22	55	5	10/29/52	8	.2	H	D	CE AB 28
BOULDER GNEISS:WISS	W	285	10	01/03/53	10	-	15	01/03/53	1	-	H	D	CE AB 29
BOULDER GNEISS:WISS	V	110	4	07/26/52	4	18	10	07/26/52	1	.7	H	D	CE AB 30
BOULDER GNEISS:WISS	S	368	15	09/15/52	15	20	5	09/15/52	1	1.0	H	D	CE AB 31
BOULDER GNEISS:WISS	S	300	22.50	11/01/52	22.50	25	20	11/01/52	6	8.0	H	D	CE AB 32
SERPENTINITE:BALT	W	450	7.17	04/14/53	18	32	10	11/01/52	1	.7	H	D	CE AB 33
BOULDER GNEISS:WISS	F	260	12	04/16/53	-	-	-	-	-	-	N		CE AB 34
BOULDER GNEISS:WISS	F	300	35	01/05/49	35	50	8	01/05/49	1	.5	H	D	CE AB 35
BOULDER GNEISS:WISS	S	340	8	07/19/49	8	-	8	07/19/49	-	-	H	D	CE AB 36
BOULDER GNEISS:WISS	S	350	20	01/07/53	20	35	15	01/07/53	1	1.0	H	D	CE AB 37
SERPENTINITE:BALT	S	440	11	05/16/53	11	28	10	05/16/53	2	.6	H	D	CE AB 38
GABBRO:BALT	H	370	25.54	06/05/80	26	38	10	04/16/53	1	.8	H	QH,WS	CE AB 39

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AB 40	CE-00-4318	RAGAN, J A	RINIER	1949 C	44	44	6	31	-	-	X
CE AB 41	CE-00-4771	HOLBROOK, A A	MORGAN	1949 C	64	64	6	-	-	-	X
CE AB 42	CE-00-4653	COOLEY, CHARLES F	MORGAN	1949 C	59	59	6	18	-	-	X
CE AB 43	CE-01-2230	CULLEN, HORACE	DOUGHERTY	1953 C	50	50	6	11	-	-	X
CE AB 44	CE-00-4371	KANE, ROBERT W	MORGAN	1949 C	50	50	6	29	-	-	X
CE AB 45	-	SCHOFF, H C SR	-	- D	50	50	72	50	-	-	W
CE AB 46	-	WEST NOTTINGHAM ACADEMY	-	- D	19	19	32	19	-	-	W
CE AB 47	-	OCTORARO RANCH	-	1957 -	74	74	-	-	-	-	-
CE AB 48	CE-03-8199	OCTORARO RANCH	PRESTON	1960 A	62	62	6	21	-	-	X
CE AB 49	-	OCTORARO RANCH	HORTON	1961 -	-	-	6	-	-	-	-
CE AB 50	CE-04-6736	OCTORARO RANCH	HORTON	1962 -	42	42	6	20	-	-	X
CE AB 51	-	OCTORARO RANCH	-	- -	-	-	-	-	-	-	-
CE AB 52	CE-73-2400	CONOWINGO BAPTIST CHURCH	HAMILTON	1978 A	70	70	6	60	-	-	X
CE AB 53	CE-67-0363	PORTERS GROVE BAPTIST CH	BROWN	1967 A	65	65	6	14	-	-	X
CE AB 54	CE-73-2096	PORT GUN CLUB	BROWN	1977 A	46	46	6	26	-	-	X
CE AB 55	CE-69-0339	MT PLEASANT UNITED METH CH	BROWN	1969 A	145	145	6	20	-	-	X
CE AB 56	CE-01-4593	CONOWINGO ELEMENTARY SCHOOL	THOMAS	1954 C	59	59	6	52	-	-	X
CE AB 57	CE-72-0031	KWIK STOP DRIVE IN	HAMILTON	1971 H	45	45	6	36	-	-	X
CE AB 58	CE-02-8077	CONOWINGO SHOPPING CENTER	PRESTON	1957 A	50	50	6	17	-	-	X
CE AB 59	CE-73-3238	CONOWINGO FOOD RITE	HAMILTON	1980 H	84	84	6	21	-	-	X
CE AB 60	CE-73-2853	CONOWINGO DINER	BROWN	1979 A	230	230	6	70	-	-	X
CE AB 61	CE-68-0081	CONOWINGO SERVICE CENTER	KIRK	1967 C	-	-	-	-	-	-	X
CE AB 62	CE-67-0396	GIZZI, RALPH	BROWN	1967 A	73	73	6	-	-	-	X
CE AB 63	CE-05-3111	JOHNSTON'S DISCOUNT LIQUORS	BROWN	1963 C	37	37	6	35	-	-	X
CE AB 64	CE-73-3155	MONTGOMERY, ERNEST	BROWN	1979 A	145	145	6	77	-	-	X
CE AB 65	CE-81-0454	HOOTS, JEAN	BROWN	1982 A	200	200	6	105	-	-	X
CE AB 66	CE-65-0460	ELLVILLE, DONALD S	BROWN	1965 A	70	70	6	28	-	-	X
CE AB 67	CE-81-0178	FUNK, GLENN	P & H	1981 P	175	175	6	40	-	-	X
CE AB 68	CE-73-2982	COLONIAL PIPE LINE	JONES	1979 P	83	83	6	46	-	-	X
CE AB 69	CE-05-3110	MORNING CHEER (HILLTOP R)	ENNIS	1963 C	54	54	6	25	-	-	X
CE AB 70	CE-69-0066	MORNING CHEER (HILLTOP R)	WALTON	1968 A	72	72	6	26	-	-	X
CE AB 71	-	MORNING CHEER (HILLTOP R)	STOLTZFUS	1956 C	75	75	6	-	-	-	X
CE AB 72	-	MORNING CHEER (HILLTOP R)	STOLTZFUS	1956 C	80	80	6	-	-	-	X
CE AB 73	-	MORNING CHEER (HILLTOP R)	STOLTZFUS	1956 C	86	86	6	-	-	-	X
CE AB 74	-	MORNING CHEER (HILLTOP R)	STOLTZFUS	1956 C	150	150	6	-	-	-	X
CE AB 75	CE-69-0064	MORNING CHEER (HILLTOP R)	WALTON	1968 A	250	250	6	35	-	-	X
CE AB 76	CE-69-0019	ELVILLE RONALD	BROWN	1968 A	55	55	6	22	-	-	X
CE AB 77	CE-05-6823	PHIPPS, BRUCE	HAMILTON	1964 A	60	60	6	50	-	-	X
CE AB 78	CE-68-0193	OAKWOOD FARMS	BROWN	1968 A	122	122	6	23	-	-	X
CE AB 79	CE-73-0680	FORTSON, BILLY J	DIFILIPPO	1973 P	143	143	6	51	-	-	X
CE AB 80	CE-73-1898	GORRELL, WAYNE	HAMILTON	1977 H	84	84	6	19	-	-	X
CE AB 81	CE-71-0120	PHILADELPHIA ELECTRIC CO	HAMILTON	1970 H	85	85	6	35	-	-	X
CE AB 82	CE-01-0616	OCTORARO PARK	BROWN	1952 -	25	25	6	24	-	-	X
CE AB 83	CE-81-0413	LOUIE, JAN	DIFILIPPO	1982 P	173	173	6	43	-	-	X
CE AB 84	CE-73-0495	BANASH, MARY	BROWN	1973 A	60	60	6	55	-	-	X
CE AC 1	CE-00-6989	WRIGHT, R L	SLAUCH	1950 C	56	56	6	51	-	-	X
CE AC 2	CE-00-5101	SNYDER, R	BROWN	1949 C	108	108	6	105	-	-	X
CE AC 3	CE-00-6240	CRIGLER, W H	RINIER	1950 C	85	85	6	75	-	-	X
CE AC 4	CE-00-7111	GAMBELL, J JR	RINIER	1951 C	90	90	6	90	-	-	O
CE AC 5	CE-01-0584	CARPENTER, R	DOUGHERTY	1952 C	78	78	6	69	-	-	X
CE AC 6	CE-00-7822	SCHUMAN, ALBERT K	BROWN	1951 C	68	68	6	6	-	-	X
CE AC 7	CE-00-7954	TEAGUES, S	RINIER	1951 C	80	80	6	75	-	-	X
CE AC 8	CE-01-0583	JONES, H C	DOUGHERTY	1952 C	75	75	6	66	-	-	X
CE AC 9	CE-00-9316	HARRINGTON, D H	REIDER	1952 C	58	58	6	32	-	-	X
CE AC 10	CE-00-7451	DONACHE, L	REIDER	1951 C	109	109	6	99	-	-	X
CE AC 11	CE-00-9405	ROBINSON, E	BROWN	1952 C	105	105	6	86	-	-	X
CE AC 12	CE-00-9404	KYLE, J	BROWN	1952 C	93	93	6	86	-	-	X
CE AC 13	CE-00-9655	TOME, V	MILLER	1952 C	92	92	6	85	-	-	X
CE AC 14	CE-00-9656	NEFF, B	MILLER	1952 C	92	92	6	55	-	-	X
CE AC 15	CE-00-7452	MONTGOMERY, J	REIDER	1951 C	115	115	6	97	-	-	X
CE AC 16	CE-00-6239	GAMBLE, A M	RINIER	1950 C	75	75	6	60	-	-	X
CE AC 17	CE-01-0113	BALLING, H E	SCHUM	1952 C	75	75	6	60	-	-	X
CE AC 18	CE-00-5903	TOME, H B	RINIER	1950 C	80	80	6	76	-	-	X
CE AC 19	CE-00-5548	DELP, FRANK	BROWN	1950 C	90	90	6	-	-	-	X
CE AC 20	CE-00-7326	DUNCAN, E C	REIDER	1951 C	88	88	6	86	-	-	X
CE AC 21	CE-00-5857	AYERS, WILSON	RINIER	1950 C	115	115	6	114	-	-	X
CE AC 22	CE-00-7953	MCCULLEY, E	RINIER	1951 C	54	54	6	50	-	-	X
CE AC 23	CE-00-8453	MCCULLEY, E	RINIER	1951 C	68	68	6	65	-	-	X
CE AC 24	CE-00-8454	MCCULLEY, E	RINIER	1951 C	56	56	6	50	-	-	X
CE AC 25	CE-00-7261	HARRINGTON, A B	SMITH	1952 C	72	72	6	59	-	-	X
CE AC 26	CE-02-2145	U S GEOLOGICAL SURVEY	SHANNAHAN	1956 A	97	-	-	-	-	-	X
CE AC 27	CE-01-0889	REEDY, ETHEL	DOUGHERTY	1952 C	85	85	6	82	-	-	X
CE AC 28	CE-00-7389	BRUMFIELD, M F	REIDER	1951 C	118	118	6	117	-	-	X
CE AC 29	-	CISSEL, ROBERT A	-	- D	44	44	42	44	-	-	W
CE AC 30	-	CISSEL, ROBERT A	-	- D	40	40	42	40	-	-	W
CE AC 31	-	MONTGOMERY, GEORGE	-	- D	50	50	45	50	-	-	W
CE AC 32	-	GRAYBEAL, J W	BROWN	1943 C	186	186	6	-	-	-	X
CE AC 33	-	GRAYBEAL, J W	-	- D	45	45	48	45	-	-	W
CE AC 34	-	BAUGHER, STUART	-	1948 D	28	28	42	28	-	-	O

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
BOULDER GNEISS:WISS	W	255	13	07/28/49	13	-	8	07/28/49	-	-	H	D	CE AB 40
BOULDER GNEISS:WISS	S	355	20	09/28/49	20	27	17	09/28/49	3	2.4	T		CE AB 41
BOULDER GNEISS:WISS	H	305	20	09/24/49	20	30	14	09/24/49	3	1.4	H	D	CE AB 42
BOULDER GNEISS:WISS	V	50	14	05/02/53	14	42	6	05/02/53	6	.2	H	D	CE AB 43
BOULDER GNEISS:WISS	V	50	10	08/20/49	10	25	20	08/20/49	2	1.3	H		CE AB 44
GABBRO:BALT	W	290	35	10/00/52	-	-	-	-	-	-	H		CE AB 45
PLTC SCHIST:WISS	F	350	14.11	06/05/56	-	-	-	-	-	-	H		CE AB 46
GABBRO:BALT	H	290	-	-	-	-	-	-	-	-	H		CE AB 47
GABBRO:BALT	S	205	28	02/13/60	28	-	25	02/13/60	-	-	C	D	CE AB 48
GABBRO:BALT	H	290	-	-	-	-	-	-	-	-	H		CE AB 49
GABBRO:BALT	S	220	15	06/15/62	15	30	10	06/15/62	3	.7	C	D	CE AB 50
BOULDER GNEISS:WISS	H	270	-	-	-	-	-	-	-	-	H		CE AB 51
SERPENTINITE:BALT	H	510	10.29	06/05/80	10	70	10	03/20/78	-	.2	H	D,WS	CE AB 52
GABBRO:BALT	S	360	22	05/20/67	22	54	7	05/20/67	2	.2	T	D	CE AB 53
BOULDER GNEISS:WISS	V	96	10	07/28/77	10	25	20	07/28/77	2	1.3	T	D	CE AB 54
BOULDER GNEISS:WISS	F	395	44	07/01/69	44	90	7	07/01/69	1	.2	H	D	CE AB 55
BOULDER GNEISS:WISS	S	300	15	06/15/54	15	20	20	06/15/54	8	4.0	T	D	CE AB 56
BOULDER GNEISS:WISS	F	280	20	08/03/71	20	-	8	08/03/71	1	-	C	D	CE AB 57
BOULDER GNEISS:WISS	F	280	16	08/12/57	16	-	15	08/12/57	-	-	C	D	CE AB 58
BOULDER GNEISS:WISS	S	290	30	12/12/80	30	84	12	12/12/80	3	.2	C	D,QH	CE AB 59
BOULDER GNEISS:WISS	S	300	40	01/26/79	40	80	10	01/26/79	2	.3	C	D	CE AB 60
BOULDER GNEISS:WISS	F	285	-	-	-	-	-	-	-	-	C		CE AB 61
BOULDER GNEISS:WISS	F	285	22	06/23/67	22	52	9	06/23/67	1	.3	C	D	CE AB 62
SERPENTINITE:BALT	F	495	16	08/21/63	16	18	15	08/21/63	2	7.5	C	D	CE AB 63
SERPENTINITE:BALT	H	510	50	09/12/79	50	100	5	09/12/79	1	.1	C	D	CE AB 64
SERPENTINITE:BALT	F	490	40	11/02/82	40	120	5	11/02/82	6	<.1	H	D	CE AB 65
SERPENTINITE:BALT	H	510	12	07/08/65	12	47	15	07/08/65	1	.4	H	D,QH	CE AB 66
GABBRO:BALT	H	385	41.93	04/21/82	45	175	10	12/29/81	3	<.1	H	D	CE AB 67
BOULDER GNEISS:WISS	S	210	20	08/17/79	20	60	30	08/17/79	2	.8	C	D	CE AB 68
BOULDER GNEISS:WISS	S	160	10	07/30/63	10	52	42	07/30/63	8	1.0	R	D	CE AB 69
BOULDER GNEISS:WISS	S	160	9	09/12/68	9	60	30	09/12/68	4	.6	R	D	CE AB 70
BOULDER GNEISS:WISS	W	210	-	-	-	-	20	00/00/56	-	-	H		CE AB 71
BOULDER GNEISS:WISS	S	270	-	-	-	-	8	00/00/56	-	-	H		CE AB 72
BOULDER GNEISS:WISS	S	260	-	-	-	-	15	00/00/56	-	-	R		CE AB 73
BOULDER GNEISS:WISS	S	260	-	-	-	-	18	00/00/56	-	-	R		CE AB 74
BOULDER GNEISS:WISS	H	305	40	09/09/68	40	250	1	09/09/68	8	<.1	H		CE AB 75
SERPENTINITE:BALT	H	525	14	08/03/68	14	-	200	08/03/68	1	-	H	D	CE AB 76
SERPENTINITE:BALT	H	500	20	03/24/64	20	-	100	03/24/64	1	-	H	D	CE AB 77
GABBRO:BALT	S	370	19	05/05/68	19	24	30	05/05/68	3	6.0	H	D	CE AB 78
BOULDER GNEISS:WISS	S	345	30	12/20/73	30	40	20	12/20/73	2	2.0	P	D	CE AB 79
BOULDER GNEISS:WISS	H	285	20	06/17/77	20	84	15	06/17/77	2	.2	H	D	CE AB 80
BOULDER GNEISS:WISS	H	405	32	12/11/70	32	38	15	12/11/70	8	2.5	C	D	CE AB 81
BOULDER GNEISS:WISS	V	100	4	08/26/52	4	18	10	08/26/52	1	.7	P	D	CE AB 82
GABBRO:BALT	S	260	24	09/27/82	24	100	5	09/27/82	6	<.1	H	D	CE AB 83
GABBRO:BALT	W	360	6	08/25/73	6	12	100	08/25/73	1	16.7	H	D	CE AB 84
GABBRO:BALT	F	485	20	11/07/50	20	-	20	11/07/50	3	-	H	D	CE AC 1
PLTC SCHIST:WISS	S	405	18	12/20/49	18	40	12	12/20/49	1	.5	H		CE AC 2
PLTC SCHIST:WISS	S	390	8	07/08/50	8	-	5	07/08/50	-	-	H	D	CE AC 3
PLTC SCHIST:WISS	S	400	18	03/31/51	18	-	5	03/31/51	-	-	H	D	CE AC 4
PLTC SCHIST:WISS	S	395	13	08/15/52	13	50	10	08/15/52	8	.3	H	D	CE AC 5
GABBRO:BALT	H	445	26	05/17/51	26	56	3	05/17/51	.5	.1	H		CE AC 6
BOULDER GNEISS:WISS	S	375	8	05/21/51	8	-	4	05/21/51	-	-	H	D	CE AC 7
PLTC SCHIST:WISS	S	370	8	07/28/52	8	70	3	07/28/52	8	<.1	H	D	CE AC 8
BOULDER GNEISS:WISS	S	330	30.62	09/25/52	20	50	8	02/18/52	2	.3	H	D	CE AC 9
PLTC SCHIST:WISS	F	435	12	03/02/51	12	90	8	03/02/51	2	.1	H	D	CE AC 10
PLTC SCHIST:WISS	F	435	20	02/16/52	20	32	10	02/16/52	2	.8	H		CE AC 11
PLTC SCHIST:WISS	F	435	20	02/16/52	20	32	10	02/16/52	2	.8	H	D	CE AC 12
PLTC SCHIST:WISS	F	435	20	03/12/52	20	60	3	03/12/52	1	<.1	H		CE AC 13
PLTC SCHIST:WISS	F	435	25	03/17/52	25	50	5	03/17/52	1	.2	H		CE AC 14
PLTC SCHIST:WISS	F	410	9.30	09/25/52	15	85	10	03/07/51	2	.1	C	D	CE AC 15
PELITIC:WISS	F	410	12	07/05/50	12	-	8	07/05/50	-	-	H	D	CE AC 16
PELITIC:WISS	F	415	12	06/20/52	12	45	10	06/20/52	2	.3	H	D	CE AC 17
PLTC SCHIST:WISS	F	450	15	05/19/50	-	-	6	05/19/50	-	-	H	D	CE AC 18
PELITIC:WISS	F	430	20	04/08/50	-	-	-	-	-	-	H	D	CE AC 19
PLTC SCHIST:WISS	F	395	7.49	09/29/52	20	45	8	02/14/51	2	.3	H	D	CE AC 20
PLTC SCHIST:WISS	F	430	18	05/05/50	18	-	4	05/05/50	-	-	H	D	CE AC 21
PLTC SCHIST:WISS	H	410	12	05/24/51	12	-	5	05/24/51	-	-	H	D	CE AC 22
PLTC SCHIST:WISS	H	410	9	08/28/51	9	-	4	08/28/51	-	-	H	D	CE AC 23
PLTC SCHIST:WISS	H	410	9	09/01/51	9	-	5	09/01/51	-	-	H	D	CE AC 24
METAGRAYWACKE:WISS	F	365	8	02/18/52	8	13	17	02/18/52	7	3.4	H	D	CE AC 25
GABBRO:BALT	V	325	-	-	-	-	-	-	-	-	U	D	CE AC 26
PLTC SCHIST:WISS	F	415	5	08/30/52	5	15	30	08/30/52	8	3.0	H	D	CE AC 27
PLTC SCHIST:WISS	F	438	22	02/21/51	22	80	6	02/21/51	2	.1	H	D	CE AC 28
PLTC SCHIST:WISS	H	425	30	12/16/52	-	-	-	-	-	-	S		CE AC 29
PLTC SCHIST:WISS	H	430	35	11/00/52	-	-	-	-	-	-	H		CE AC 30
GABBRO:BALT	F	450	40	07/00/52	-	-	-	-	-	-	H		CE AC 31
PLTC SCHIST:WISS	H	450	-	-	-	-	-	-	-	-	S		CE AC 32
PLTC SCHIST:WISS	H	450	-	-	-	-	-	-	-	-	H		CE AC 33
GABBRO:BALT	F	445	11	12/16/52	-	-	-	-	-	-	H		CE AC 34

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AC 35	-	FOX, HARRY	-	- D	32	32	42	32	-	-	W
CE AC 37	-	TOWN OF RISING SUN	NORRIS	1913 C	120	120	6	-	-	-	X
CE AC 38	-	TOWN OF RISING SUN	NORRIS	1913 C	164	164	6	-	-	-	X
CE AC 39	-	TOWN OF RISING SUN	NORRIS	1913 C	108	108	6	-	-	-	X
CE AC 40	-	TOWN OF RISING SUN	NORRIS	1953 C	96	96	6	45	-	-	X
CE AC 41	-	COMER, CLARENCE	-	- D	25	25	36	25	-	-	W
CE AC 42	-	COMER, CLARENCE	-	- D	23	23	30	24	-	-	W
CE AC 43	-	CREEGER, WILLIAM	-	- D	17	17	48	18	-	-	W
CE AC 44	-	HANNA, D D	-	1843 D	39	39	48	39	-	-	W
CE AC 45	-	FELTY, G B	-	- D	30	30	40	30	-	-	W
CE AC 46	CE-01-1544	MCKEE, PAUL	DOUGHERTY	1952 C	50	50	6	24	-	-	X
CE AC 47	CE-01-1553	COULTER, LEONARD	MILLER	1952 C	90	90	6	90	-	-	O
CE AC 48	CE-01-1327	GAMBLE, FLOYD	MILLER	1953 C	61	61	6	57	-	-	X
CE AC 49	CE-01-1521	MCCAULEY, EVERETT	MILLER	1952 C	60	60	6	45	-	-	X
CE AC 50	CE-01-2470	WILSON, DAVID D	DOUGHERTY	1953 C	56	56	6	52	-	-	X
CE AC 51	CE-00-3200	BAUGHMAN, CLARENCE	MILLER	1948 C	68	68	6	-	-	-	X
CE AC 52	CE-00-3252	BAUGHMAN, CLARENCE	MILLER	1948 C	60	60	6	-	-	-	X
CE AC 53	CE-00-3505	MARKER, CLIFFORD	RINIER	1948 C	83	83	6	81	-	-	X
CE AC 54	CE-01-1130	BUCK, WILLIAM	DOUGHERTY	1952 C	150	150	6	145	-	-	X
CE AC 55	CE-00-4029	TOME, P E	MILLER	1949 C	85	85	6	-	-	-	X
CE AC 56	CE-00-4536	BIGGS, JOSEPH	RINIER	1949 C	90	90	6	75	-	-	X
CE AC 57	CE-01-2414	KERNS, J C	DOUGHERTY	1953 C	100	100	6	98	-	-	X
CE AC 58	CE-01-1326	TOME, H	MILLER	1952 C	88	88	6	80	-	-	X
CE AC 59	CE-00-5390	INGRAM, SOLOMON	MORGAN	1950 C	80	80	6	67	-	-	X
CE AC 60	-	CULLEN, ERNEST	-	- D	35	35	36	35	-	-	W
CE AC 61	-	CAMERON BROS CANNING	-	1919 C	61	61	6	-	-	-	X
CE AC 62	-	CAMERON BROS CANNING	-	1919 C	83	83	6	-	-	-	X
CE AC 63	-	CAMERON BROS CANNING	-	1919 C	80	80	6	-	-	-	X
CE AC 64	-	TANNER, A A	-	- C	180	180	6	-	-	-	X
CE AC 65	-	MONTGOMERY	-	- D	25	25	36	25	-	-	X
CE AC 66	-	WEST NOTTINGHAM ACADEMY	-	- D	35	35	36	35	-	-	W
CE AC 67	-	WEST NOTTINGHAM ACADEMY	-	- D	22	22	32	22	-	-	W
CE AC 70	-	WEST NOTTINGHAM ACADEMY	-	- D	20	20	32	20	-	-	W
CE AC 71	-	WEST NOTTINGHAM ACADEMY	-	- D	-	-	-	-	-	-	W
CE AC 72	-	WEST NOTTINGHAM ACADEMY	-	- D	26	26	32	27	-	-	W
CE AC 73	-	WEST NOTTINGHAM ACADEMY	-	- D	26	26	42	26	-	-	W
CE AC 74	-	WEST NOTTINGHAM ACADEMY	-	1940 C	85	85	6	-	-	-	X
CE AC 75	CE-01-6986	WEST NOTTINGHAM ACADEMY	SLAUCH	1954 C	74	74	6	56	-	-	X
CE AC 76	-	AYERS, WILSON	-	- D	25	25	36	25	-	-	W
CE AC 77	-	SHMEL, MICHAEL	-	- D	27	27	36	28	-	-	W
CE AC 78	CE-03-2198	WEST NOTTINGHAM ACADEMY	PRESTON	1958 A	100	100	6	88	-	-	X
CE AC 79	CE-03-5460	WEST NOTTINGHAM ACADEMY	PRESTON	1959 A	42	42	6	30	-	-	X
CE AC 80	CE-03-5459	WEST NOTTINGHAM ACADEMY	PRESTON	1959 A	40	40	6	35	-	-	X
CE AC 81	CE-03-4500	GULF SERVICE STATION	PRESTON	1959 A	122	122	6	97	-	-	X
CE AC 82	-	STANLEY, HERMAN	-	- -	-	-	6	-	-	-	X
CE AC 83	-	SEALTEST CREAMERY	-	- C	271	271	8	271	-	-	X
CE AC 84	-	SEALTEST CREAMERY	-	- -	-	-	6	-	-	-	X
CE AC 85	CE-73-0682	CECIL NATIONAL BANK	WALTON	1973 A	205	205	6	91	-	-	X
CE AC 86	CE-72-0317	RISING SUN COMMUNITY CENTER	DIFILIPPO	1972 P	130	130	6	100	-	-	X
CE AC 87	CE-73-3262	SUNNY SIDE MARKET	HAMILTON	1980 H	99	99	6	80	-	-	X
CE AC 88	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1975 V	35	-	-	-	-	-	-
CE AC 89	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1969 V	25	-	-	-	-	-	-
CE AC 90	CE-73-2067	W NOTTINGHAM PRESBYTRN CH	BROWN	1977 A	120	120	6	105	-	-	X
CE AC 91	CE-69-0214	CECIL COUNTY COMMISSIONERS	LINTON	1969 P	82	82	6	64	-	-	X
CE AC 92	CE-02-9199	RISING SUN ELEMENTARY SCH	CULLER	1958 C	162	162	6	99	-	-	X
CE AC 93	CE-73-2102	ANDERSON, DAVID L	BROWN	1977 A	120	120	6	63	-	-	X
CE AC 94	CE-73-3362	BORLAND, RAYMOND	HAMILTON	1980 A	60	60	6	43	-	-	X
CE AC 95	CE-03-1648	LUCAS, JACK	DOUGLASS	1958 C	100	100	6	88	-	-	X
CE AC 96	CE-66-0034	TOWN OF RISING SUN	BROWN	1965 A	86	86	6	68	-	-	X
CE AC 97	CE-66-0035	TOWN OF RISING SUN	BROWN	1965 A	54	54	6	52	-	-	X
CE AC 98	-	TOWN OF RISING SUN	BROWN	1973 -	228	228	6	95	-	-	X
CE AC 99	-	TOWN OF RISING SUN	BROWN	1973 -	128	128	6	90	-	-	X
CE AC 100	CE-73-3406	WEBB, VICTOR	SLAUCH	1980 C	125	125	6	87	-	-	X
CE AC 101	CE-73-3950	NEW BRIDGE BAPTIST CHURCH	HAMILTON	1981 P	110	110	6	85	-	-	X
CE AC 102	CE-73-0385	HENKELS & MCCOY	BROWN	1973 H	187	187	6	116	-	-	X
CE AC 103	CE-73-1765	RISING SUN CH. OF NAZARENE	DIFILIPPO	1976 P	75	75	6	60	-	-	X
CE AC 104	CE-67-0063	JOHNSTON, ARTHUR	HAMILTON	1966 A	120	120	6	87	-	-	X
CE AC 105	CE-81-0420	JOHANSEN, JOHN	BROWN	1982 H	154	154	6	120	-	-	X
CE AC 106	CE-05-2779	CALVARY BAPTIST CHURCH	SCHUM	1963 C	137	137	6	132	-	-	X
CE AC 107	CE-73-1371	CALVARY BAPTIST CHURCH	HAMILTON	1975 H	183	183	6	165	-	-	X
CE AC 108	CE-73-0033	MCCOY MOTOR CO	HAMILTON	1972 H	140	140	6	67	-	-	X
CE AC 109	CE-73-0642	SOUTHERN STATES COOPERATIVE	HAMILTON	1974 H	98	98	6	79	-	-	X
CE AC 110	CE-66-0220	COMER, RONALD	MAYBERRY	1965 C	62	62	6	59	-	-	X
CE AC 111	CE-73-0817	MCCLOTHLIN & BENHAM ELEC CO	BROWN	1974 A	80	80	6	70	-	-	X
CE AC 112	CE-72-0224	TOME, HOWARD	HAMILTON	1971 H	82	82	6	46	-	-	X
CE AC 113	CE-05-3998	WEST NOTTINGHAM ACADEMY	P & H	1963 A	92	92	6	22	-	-	X
CE AC 114	CE-65-0202	WEST NOTTINGHAM ACADEMY	P & H	1964 A	152	152	6	75	-	-	X
CE AC 115	CE-05-4000	WEST NOTTINGHAM ACADEMY	P & H	1963 A	59	59	6	39	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
GABBRO:BALT	F	385	20	12/16/52	-	-	-	-	-	-	H		CE AC 35
GABBRO:BALT	V	330	-	-	-	-	-	-	-	-	P		CE AC 37
GABBRO:BALT	V	330	-	-	-	-	-	-	-	-	P	QH	CE AC 38
GABBRO:BALT	V	325	5.76	12/16/52	-	-	-	-	-	-	U	WC	CE AC 39
GABBRO:BALT	V	325	4.97	04/10/53	-	-	-	-	-	-	P		CE AC 40
PLTC SCHIST:WISS	F	450	-	-	-	-	-	-	-	-	H		CE AC 41
PLTC SCHIST:WISS	F	445	8.71	12/17/52	-	-	-	-	-	-	S		CE AC 42
PLTC SCHIST:WISS	F	360	13.93	12/17/52	-	-	-	-	-	-	H		CE AC 43
GABBRO:BALT	V	325	-	-	-	-	-	-	-	-	H		CE AC 44
GABBRO:BALT	W	385	3	12/17/52	-	-	-	-	-	-	H		CE AC 45
PLTC SCHIST:WISS	F	405	15	12/31/52	15	20	25	12/31/52	6	5.0	H	D	CE AC 46
PLTC SCHIST:WISS	S	405	15	12/28/52	15	50	5	12/28/52	1	.1	H	D	CE AC 47
PLTC SCHIST:WISS	H	410	8	12/15/53	8	30	10	12/15/53	1	.5	H	D	CE AC 48
PLTC SCHIST:WISS	H	410	20	12/20/52	20	30	5	12/20/52	1	.5	H	D	CE AC 49
PLTC SCHIST:WISS	S	390	3.50	05/23/53	3.50	48	5	05/23/53	4	.1	H	D	CE AC 50
BOULDER GNEISS:WISS	F	365	30	10/31/48	30	-	3	10/31/48	1	-	H	D	CE AC 51
BOULDER GNEISS:WISS	F	365	30	11/15/48	30	-	3	11/15/48	1	-	H	D	CE AC 52
PLTC SCHIST:WISS	H	465	14.46	08/19/53	21	-	3	12/15/48	-	-	H	D,QH	CE AC 53
PLTC SCHIST:WISS	H	460	18	10/15/52	18	44	4	10/15/52	12	.2	H	D	CE AC 54
PLTC SCHIST:WISS	F	454	30	06/24/49	30	56	5	06/24/49	1	.2	H	D	CE AC 55
PLTC SCHIST:WISS	F	438	25	09/02/49	25	-	5	09/02/49	-	-	H	D	CE AC 56
PLTC SCHIST:WISS	F	415	15	05/20/53	15	90	8	05/20/53	5	.1	H	D	CE AC 57
PLTC SCHIST:WISS	F	430	25	12/08/52	25	75	5	12/08/52	1	.1	H	D	CE AC 58
BOULDER GNEISS:WISS	F	415	60	03/06/50	60	65	15	03/06/50	4	3.0	H	D	CE AC 59
METAGRAYWACKE:WISS	S	360	31	09/10/53	-	-	-	-	-	-	H		CE AC 60
PLTC SCHIST:WISS	S	360	24.39	09/12/53	-	-	-	-	-	-	N		CE AC 61
PLTC SCHIST:WISS	S	360	46.23	09/12/53	-	-	-	-	-	-	N		CE AC 62
PLTC SCHIST:WISS	S	350	38.53	09/12/53	-	-	-	-	-	-	N		CE AC 63
PELITIC:WISS	F	380	-	-	-	-	-	-	-	-	H		CE AC 64
GABBRO:BALT	H	485	9.23	04/16/55	-	-	-	-	-	-	H		CE AC 65
PLTC SCHIST:WISS	F	355	-	-	-	-	-	-	-	-	T		CE AC 66
PLTC SCHIST:WISS	F	350	12.34	06/05/56	-	-	-	-	-	-	T		CE AC 67
PLTC SCHIST:WISS	F	340	10.47	05/02/56	-	-	-	-	-	-	T		CE AC 70
PLTC SCHIST:WISS	F	340	-	-	-	-	-	-	-	-	T		CE AC 71
PLTC SCHIST:WISS	F	370	17.93	06/05/56	-	-	-	-	-	-	T		CE AC 72
PLTC SCHIST:WISS	S	343	22.53	02/14/56	-	-	-	-	-	-	U	WM	CE AC 73
PLTC SCHIST:WISS	F	362	-	-	-	-	-	-	-	-	T		CE AC 74
PLTC SCHIST:WISS	F	355	11	10/04/54	11	-	45	10/04/54	2	-	T	D	CE AC 75
PLTC SCHIST:WISS	S	425	7.73	01/03/58	-	-	-	-	-	-	H	WM	CE AC 76
PLTC SCHIST:WISS	F	445	15.65	02/06/58	-	-	-	-	-	-	H	WM	CE AC 77
PLTC SCHIST:WISS	F	365	6	04/17/58	6	-	25	04/17/58	-	-	T	D	CE AC 78
PLTC SCHIST:WISS	W	320	-	-	-	-	40	04/25/59	-	-	R	D	CE AC 79
PLTC SCHIST:WISS	F	335	10	05/14/59	10	-	10	05/14/59	-	-	T	D	CE AC 80
GABBRO:BALT	S	315	25	05/02/59	25	-	10	05/02/59	-	-	C	D,QH	CE AC 81
GABBRO:BALT	H	445	31.40	06/05/80	-	-	-	-	-	-	H	QH,WI	CE AC 82
BOULDER GNEISS:WISS	S	365	10.56	12/04/81	-	-	-	-	-	-	U	WC	CE AC 83
BOULDER GNEISS:WISS	S	365	9.74	12/04/81	-	-	-	-	-	-	U	WI	CE AC 84
BOULDER GNEISS:WISS	H	445	15	12/17/73	15	80	8	12/17/73	4	.1	C	D	CE AC 85
PLTC SCHIST:WISS	H	460	20	05/08/72	-	-	-		-	-	T	D	CE AC 86
PLTC SCHIST:WISS	F	450	10	12/28/80	10	99	5	12/28/80	3	<.1	C		CE AC 87
-	V	285	4	10/07/75	-	-	-	-	-	-	U	D	CE AC 88
-	V	342	4	06/28/69	-	-	-	-	-	-	U	D	CE AC 89
PLTC SCHIST:WISS	F	365	19	07/02/77	19	50	45	07/02/77	2	1.5	T	D	CE AC 90
PLTC SCHIST:WISS	F	370	15	02/14/69	15	20	12	02/14/69	20	2.4	H	D,QH	CE AC 91
PLTC SCHIST:WISS	F	450	24	01/10/58	24	158	22	01/10/58	14	.2	T	D	CE AC 92
PLTC SCHIST:WISS	S	345	22	07/01/77	22	65	7	07/01/77	1	.2	H	D	CE AC 93
BOULDER GNEISS:WISS	W	375	12	09/18/80	12	60	12	09/18/80	3	.3	H	D	CE AC 94
PLTC SCHIST:WISS	F	445	18	08/23/58	18	60	20	08/23/58	2	.5	H	D	CE AC 95
GABBRO:BALT	V	325	30	08/02/65	30	65	60	08/02/65	36	1.7	P	D	CE AC 96
GABBRO:BALT	V	325	24	08/03/65	24	40	60	08/03/65	24	3.8	P	D	CE AC 97
BOULDER GNEISS:WISS	H	395	39	04/24/73	39	-	40	04/24/73	-	-	P		CE AC 98
BOULDER GNEISS:WISS	H	395	-	-	54.30	85.20	15	04/18/80	5	.5	P		CE AC 99
BOULDER GNEISS:WISS	F	385	22	08/23/80	22	90	18	08/23/80	2	.3	C	D	CE AC 100
BOULDER GNEISS:WISS	F	430	20	07/30/81	20	-	10	07/30/81	2	-	T	D	CE AC 101
PLTC SCHIST:WISS	F	410	10	05/14/73	10	25	20	05/14/73	2	1.3	C	D	CE AC 102
PLTC SCHIST:WISS	H	450	35	12/13/76	35	75	15	12/13/76	2	.4	T	D	CE AC 103
BOULDER GNEISS:WISS	V	340	6	08/17/66	6	-	74	08/17/66	-	-	C	D	CE AC 104
GABBRO:BALT	W	370	18	10/08/82	18	75	20	10/08/82	4	.4	H	D	CE AC 105
PLTC SCHIST:WISS	F	440	18	08/07/63	18	90	10	08/07/63	2	.1	T	D	CE AC 106
PLTC SCHIST:WISS	F	350	30	11/26/75	30	183	10	11/26/75	1	<.1	H	D	CE AC 107
PLTC SCHIST:WISS	F	405	19	08/04/72	19	-	17	08/04/72	2	-	C	D	CE AC 108
PLTC SCHIST:WISS	F	405	25	04/25/74	25	98	40	04/25/74	1	.5	C	D	CE AC 109
GABBRO:BALT	F	480	20	11/06/65	20	25	25	11/06/65	7	5.0	H	D	CE AC 110
BOULDER GNEISS:WISS	V	350	6	05/17/74	6	15	40	05/17/74	1	4.4	C	D	CE AC 111
METAGRAYWACKE:WISS	S	345	20	12/05/71	20	-	100	12/05/71	1	-	H	D	CE AC 112
PLTC SCHIST:WISS	W	130	10	08/05/63	15	-	10	08/05/63	-	-	T	D	CE AC 113
PLTC SCHIST:WISS	F	350	20	11/17/64	20	-	1	11/17/64	16	-	T	D	CE AC 114
PLTC SCHIST:WISS	F	370	20	09/16/63	20	-	20	09/16/63	-	-	T	D	CE AC 115

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AC 116	CE-05-4001	WEST NOTTINGHAM ACADEMY	P & H	1963 A	64	64	6	40	-	-	X
CE AC 117	CE-05-0681	WEST NOTTINGHAM MANSE	SLAUCH	1963 C	120	120	6	109	-	-	X
CE AD 1	CE-00-7029	REYNOLDS, REUBEN	SLAUCH	1950 C	58	58	6	56	-	-	X
CE AD 2	CE-00-8959	POTTER, BRADYR	BROWN	1951 C	90	90	6	82	-	-	X
CE AD 3	CE-00-8665	LYCH, WILLIAM	BROWN	1951 C	90	90	6	-	-	-	X
CE AD 4	CE-00-8567	ALEXANDER SARAH	-	1842 C	43	43	40	43	-	-	W
CE AD 5	CE-01-0045	SHOUN, HAROLD	BROWN	1952 C	70	70	6	65	-	-	X
CE AD 6	CE-00-9520	COX, EARL	SLAUCH	1952 C	81	81	6	79	-	-	X
CE AD 7	-	YALE, JAMES V	-	- D	35	35	48	35	-	-	W
CE AD 8	-	YALE, JAMES V	-	1934 D	11	11	36	11	-	-	W
CE AD 9	CE-01-0733	YERKES, EDWARD E	SLAUCH	1952 C	110	110	6	63	-	-	X
CE AD 10	-	TRUITT, EDWARD	-	- D	23	23	42	23	-	-	W
CE AD 11	-	MASON, W R	-	1850 D	40	40	-	40	-	-	W
CE AD 12	-	GIFFORD, JAMES	-	- C	109	109	6	-	-	-	X
CE AD 13	-	PATRICK, RILEY	-	- D	39	39	40	39	-	-	W
CE AD 14	-	FELL, NORMAN J	CARTER	1927 C	80	80	6	-	-	-	X
CE AD 15	-	FELL, NORMAN J	CARTER	1922 C	78	78	6	20	-	-	X
CE AD 16	-	PINKERTON, R M	-	- D	20	20	30	20	-	-	W
CE AD 17	-	LOGGINS, CHARLES	-	- D	33	33	48	33	-	-	W
CE AD 18	-	LOGGINS, CHARLES	-	- C	160	160	6	-	-	-	X
CE AD 19	-	BROWN, TAYLOR	SCOTT & YAW	1922 C	135	135	6	-	-	-	X
CE AD 20	-	BROWN, TAYLOR	-	1917 D	35	35	42	35	-	-	O
CE AD 21	-	GRAY, R J	-	- D	26	26	48	26	-	-	W
CE AD 22	-	GRAY, R J	-	- D	30	30	48	30	-	-	W
CE AD 23	-	MCDOWELL, H C	BROWN	1945 C	69	69	6	-	-	-	X
CE AD 24	-	HAINES, ALMA	-	- D	28	28	48	28	-	-	W
CE AD 25	-	EWING, H S	BROWN	1938 C	90	90	6	-	-	-	X
CE AD 26	-	RHOADES, GEORGE	-	- D	19	19	30	19	-	-	W
CE AD 27	-	BOYD, E K	-	- D	27	27	29	27	-	-	W
CE AD 28	-	THOMPSON, EDGAR	LEROY	1947 C	120	120	6	-	-	-	X
CE AD 29	-	CRISWELL, H A	-	- D	35	35	48	35	-	-	W
CE AD 30	-	CRISWELL, H A	-	- D	25	25	48	25	-	-	W
CE AD 31	-	ENGLAND, CHARLES	-	- D	20	20	36	20	-	-	W
CE AD 32	-	ENGLAND, CHARLES	BROWN	1945 C	42	42	6	-	-	-	X
CE AD 33	-	CROTHERS, ALFRED	-	- D	34	34	48	34	-	-	W
CE AD 34	-	CROTHERS, ALFRED	-	- D	36	36	48	36	-	-	W
CE AD 35	-	BROWN, MAURICE	MEYERS	1927 C	75	75	10	-	-	-	X
CE AD 36	CE-01-1669	FOSTER, ELWOOD	DOUGHERTY	1953 C	70	70	6	62	-	-	X
CE AD 37	CE-00-4961	PRETTYMAN, GEORGE	RINIER	1949 C	52	52	6	30	-	-	X
CE AD 38	CE-01-2517	ROGERS, WILLIS	SLAUCH	1953 C	104	104	6	73	-	-	X
CE AD 39	-	MENDENHALL, JAMES	SLAUCH	1953 C	114	114	-	-	-	-	X
CE AD 40	CE-03-7137	ALGER OIL CO	PRESTON	1959 A	102	102	6	94	-	-	X
CE AD 41	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1970 V	30	-	-	-	-	-	-
CE AD 42	CE-66-0418	ZION METHODIST CHURCH	P & H	1966 A	116	116	6	71	-	-	X
CE AD 43	CE-73-0034	TRINITY METHODIST CHURCH	DIFILIPPO	1973 P	75	75	6	60	-	-	X
CE AD 44	CE-73-3938	CALVERT MANOR NURSING HOME	HAMILTON	1981 P	400	400	6	147	-	-	X
CE AD 45	CE-66-0030	CALVERT MANOR NURSING HOME	P & H	1965 A	158	158	6	118	-	-	X
CE AD 46	CE-81-0314	ROSEBANK METHODIST CHURCH	SLAUCH	1982 A	138	138	6	85	-	-	X
CE AD 47	CE-02-9528	ROSEBANK METHODIST CHURCH	COLLER	1957 C	104	104	6	102	-	-	X
CE AD 48	CE-81-0025	STATE LINE BAPTIST CHURCH	HAMILTON	1981 P	140	140	6	97	-	-	X
CE AD 51	CE-01-4188	MENDENHALL, JOSEPH	SLAUCH	1954 C	113	113	6	91	-	-	X
CE AD 52	CE-73-3603	CALVERT ELEMENTARY SCHOOL	HAMILTON	1981 A	365	365	6	132	-	-	X
CE AD 53	CE-66-0217	ROSE BANK CEMETERY ASSOC	P & H	1965 A	140	140	6	107	-	-	X
CE AD 54	CE-72-0430	DEMOND, HAROLD	SLAUCH	1972 C	76	76	6	59	-	-	X
CE AD 55	CE-73-1302	BREWER, LUTHER S	BROWN	1975 A	155	155	6	152	-	-	X
CE AD 56	CE-73-0281	YALE, PAUL	HAMILTON	1973 H	62	62	6	42	-	-	X
CE AD 57	CE-72-0288	JONES, JOHN R	HAMILTON	1972 H	60	60	6	42	-	-	X
CE AD 58	CE-02-8820	TRINITY A.U.M.P. CHURCH	WOMBLE	1957 C	82	82	6	76	-	-	X
CE AD 59	CE-73-3250	DELP, DEANE	DIFILIPPO	1979 P	110	110	6	40	-	-	X
CE AD 60	CE-73-0781	BLAKE COMMUNITY ASSOCIATION	BARBER	1974 P	225	225	6	72	-	-	X
CE AD 61	CE-70-0129	PORTER, GEORGE	BROWN	1970 A	62	62	6	60	-	-	X
CE AD 62	CE-70-0223	KENNEDY, RODNEY	HAMILTON	1970 H	102	102	6	96	-	-	X
CE AD 63	CE-73-3044	ULMER, CHARLES	DIFILIPPO	1979 P	60	60	6	46	-	-	X
CE AD 64	CE-81-0629	GREER, JOSEPH D	BROWN	1983 A	57	57	6	53	-	-	X
CE AD 65	CE-70-0210	BROWN, CLARENCE	SLAUCH	1970 C	185	185	6	175	-	-	X
CE AD 66	-	BROWN, CLARENCE	-	- D	23	23	36	23	-	-	W
CE AE 1	CE-00-8565	MOORE, ALBERT	SLAUCH	1951 C	60	60	6	44	-	-	X
CE AE 2	CE-00-9873	SIMMONS, WILLIAM	MILLER	1952 C	55	55	6	54	-	-	X
CE AE 3	CE-00-8405	ROCK PRESBYTERIAN CHURCH	SLAUCH	1951 C	43	43	6	38	-	-	X
CE AE 4	CE-00-8567	MACKIE, ARTHUR A	SLAUCH	1951 C	104	104	6	20	-	-	X
CE AE 5	CE-00-6946	STRAHORN, HAROLD	SLAUCH	1950 C	59	59	6	35	-	-	X
CE AE 6	CE-00-7702	BLACKSON, PRICE	SLAUCH	1951 C	98	98	6	50	-	-	X
CE AE 7	CE-00-7798	STETSON, A E	SLAUCH	1951 C	105	105	6	45	-	-	X
CE AE 8	CE-01-0357	PLEASANT HILL SCHOOL	SLAUCH	1952 C	40	40	6	33	-	-	X
CE AE 9	-	NOWLAND, J L	-	- D	16	16	48	16	-	-	W

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
PLTC SCHIST:WISS	S	340	18	09/14/63	18	-	20	09/14/63	-	-	T	D	CE AC 116
PLTC SCHIST:WISS	F	370	6	03/18/63	6	20	50	03/18/63	2	3.6	H	D	CE AC 117
METAGRAYWACKE:WISS	F	390	22	11/29/50	22	50	7	11/29/50	1	.3	H	D	CE AD 1
GABBRO:BALT	F	450	25	11/02/51	25	60	5	11/02/51	3	.1	H		CE AD 2
PLTC SCHIST:WISS	F	420	9	10/12/51	9	25	10	10/12/51	1	.6	S	D	CE AD 3
JAMES RUN LOWER	H	422	-	-	-	-	-		-	-	H		CE AD 4
PLTC GNEISS:WISS	F	440	25	05/12/52	25	40	10	05/12/52	2	.7	H	D	CE AD 5
GABBRO:BALT	F	420	8	02/15/52	8	-	15	02/15/52	1	-	H	D	CE AD 6
GABBRO:BALT	F	450	25	11/13/52	-	-	-		-	-	H		CE AD 7
GABBRO:BALT	F	445	-	-	-	-	-		-	-	S		CE AD 8
METAGRAYWACKE:WISS	S	340	20	08/04/52	20	40	5	08/04/52	1	.3	H	D	CE AD 9
PLTC GNEISS:WISS	W	362	-	-	-	-	-		-	-	H		CE AD 10
PLTC GNEISS:WISS	S	440	-	-	-	-	-		-	-	H		CE AD 11
PLTC GNEISS:WISS	S	385	3.84	11/17/52	-	-	-		-	-	H		CE AD 12
PLTC SCHIST:WISS	F	425	25.22	11/17/52	-	-	-		-	-	H		CE AD 13
PLTC SCHIST:WISS	H	420	16	11/17/52	-	-	-		-	-	H		CE AD 14
PLTC SCHIST:WISS	H	418	20	11/17/52	-	-	-		-	-	S		CE AD 15
PLTC GNEISS:WISS	F	405	6	12/09/52	-	-	-		-	-	H		CE AD 16
GILPINS FALLS MBR.	S	380	-	-	-	-	-		-	-	H		CE AD 17
GILPINS FALLS MBR.	S	382	-	-	-	-	-		-	-	S		CE AD 18
GILPINS FALLS MBR.	H	405	35	00/00/42	-	-	-		-	-	H		CE AD 19
GILPINS FALLS MBR.	H	405	22	12/00/50	-	-	-		-	-	H		CE AD 20
JAMES RUN LOWER	F	370	-	-	-	-	-		-	-	S		CE AD 21
JAMES RUN LOWER	F	365	-	-	-	-	-		-	-	H		CE AD 22
PLTC GNEISS:WISS	F	430	12	12/12/52	-	-	-		-	-	C		CE AD 23
PLTC SCHIST:WISS	F	442	17.50	10/01/82	-	-	-		-	-	H		CE AD 24
PLTC SCHIST:WISS	F	385	-	-	-	-	-		-	-	H		CE AD 25
PLTC SCHIST:WISS	F	367	7.88	12/12/52	-	-	-		-	-	H		CE AD 26
PELITIC:WISS	F	425	15.63	12/12/52	-	-	-		-	-	H		CE AD 27
METAGRAYWACKE:WISS	F	390	8	00/00/47	-	-	-		-	-	H		CE AD 28
METAGRAYWACKE:WISS	F	385	28	12/12/52	-	-	-		-	-	H		CE AD 29
METAGRAYWACKE:WISS	F	385	21	12/12/52	-	-	-		-	-	S		CE AD 30
PELITIC:WISS	F	345	13	12/12/52	-	-	-		-	-	H		CE AD 31
PELITIC:WISS	F	340	-	-	-	-	-		-	-	S		CE AD 32
PELITIC:WISS	F	365	25	12/12/52	-	-	-		-	-	H		CE AD 33
PELITIC:WISS	F	365	30	12/12/52	-	-	-		-	-	S		CE AD 34
JAMES RUN LOWER	W	338	25	00/00/27	-	-	-		-	-	H		CE AD 35
METGRAYWACKE:WISS	F	390	18	01/28/53	18	55	15	01/28/53	6	.4	H	D	CE AD 36
METGRAYWACKE:WISS	F	385	10	11/30/49	-	-	-		-	-	H	D	CE AD 37
PLTC GNEISS:WISS	W	425	12	06/09/53	12	90	9	06/09/53	1	.1	H		CE AD 38
PLTC GNEISS:WISS	F	430	-	-	-	-	-		-	-	H	QH	CE AD 39
PLTC GNEISS:WISS	F	415	25	11/25/59	25	-	12	11/25/59	-	-	C		CE AD 40
-	C	352	-	-	-	-	-		-	-	U	D	CE AD 41
METAGRAYWACKE:WISS	F	385	30	02/09/66	30	-	8	02/09/66	-	-	T	D	CE AD 42
PELITIC:WISS	F	370	10	01/03/73	10	-	20	01/03/73	2	-	T	D	CE AD 43
PLTC SCHIST:WISS	F	440	20	09/26/81	20	400	9	09/26/81	4	<.1	T	D	CE AD 44
PLTC SCHIST:WISS	F	440	25	08/09/65	25	-	35	08/09/65	4	-	T	D	CE AD 45
PLTC SCHIST:WISS	S	435	24	06/28/82	24	100	20	06/28/82	4	.3	T	D	CE AD 46
PLTC SCHIST:WISS	S	435	36	07/16/57	36	98	4	07/16/57	2	<.1	T	D	CE AD 47
SERPENTINITE:BALT	F	430	30	07/21/81	30	140	10	07/21/81	3	<.1	T	D	CE AD 48
METAGRAYWACKE:WISS	F	374	21	01/27/54	21	-	10	01/27/54	1	-	H	QH	CE AD 51
PLTC SCHIST:WISS	F	445	40	01/23/81	40	225	16	01/23/81	24	<.1	T	D,QH	CE AD 52
PLTC SCHIST:WISS	F	440	25	11/19/65	25	-	15	11/19/65	2	-	H	D	CE AD 53
JAMES RUN LOWER	F	360	20	08/10/72	20	50	20	08/10/72	2	.7	H	QH	CE AD 54
PLTC SCHIST:WISS	F	425	20	10/20/75	20	40	100	10/20/75	3	5.0	H	D	CE AD 55
SERPENTINITE:BALT	F	455	9	03/20/73	9	-	100	03/20/73	1	-	H	D	CE AD 56
PLTC GNEISS:WISS	F	390	7	04/08/72	7	-	200	04/08/72	1	-	H	D	CE AD 57
PELITIC:WISS	F	370	17	10/04/57	17	72	8	10/04/57	3	.1	H		CE AD 58
JAMES RUN LOWER	F	310	40	12/07/79	40	50	30	12/07/79	2	3.0	H	D	CE AD 59
PLTC GNEISS:WISS	F	425	10	04/11/74	10	200	3	04/11/74	6	<.1	H	D	CE AD 60
GILPINS FALLS MBR.	F	370	11	03/09/70	11	-	200	03/09/70	1	-	H	D	CE AD 61
METAGRAYWACKE:WISS	F	390	6	05/13/70	6	101	100	05/13/70	2	1.1	H	D	CE AD 62
PLTC GNEISS:WISS	F	365	10	07/20/79	10	-	100	07/30/79	2	-	H	D	CE AD 63
GABBRO:BALT	F	450	10	06/08/83	10	22	15	06/08/83	10	1.3	H	D	CE AD 64
PLTC SCHIST:WISS	H	465	16	05/30/70	16	160	15	05/30/70	2	.1	H	D	CE AD 65
SERPENTINITE:BALT	F	465	17.52	08/14/84	-	-	-		-	-	H	WI	CE AD 66
GNEISS (MISC.)	F	375	20	09/03/51	20	40	15	09/03/51	1	.8	H	D	CE AE 1
JAMES RUN LOWER	S	350	22.49	09/08/52	20	30	5	04/15/52	1	.5	H	D	CE AE 2
GILPINS FALLS MBR.	F	230	20	08/28/51	20	25	15	08/28/51	1	3.0	T	D	CE AE 3
JAMES RUN LOWER	S	245	25	10/01/51	25	90	4	10/01/51	1	<.1	H	D	CE AE 4
JAMES RUN LOWER	S	360	19	11/03/50	19	-	5	11/03/50	1	-	H	D	CE AE 5
GNEISS (MISC.)	F	370	30	04/18/51	30	70	10	04/18/51	1	.3	H	D	CE AE 6
GNEISS (MISC.)	H	365	40	06/12/51	40	60	5	06/12/51	3	.3	H	D	CE AE 7
JAMES RUN LOWER	F	385	11	07/17/52	11	20	12	07/17/52	2	1.3	T	D	CE AE 8
JAMES RUN LOWER	S	345	10	11/05/52	-	-	-		-	-	H		CE AE 9

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AE 10	-	DUPONT, W	-	- D	40	40	-	40	-	-	W
CE AE 11	-	MILES	-	- D	-	-	54	-	-	-	W
CE AE 12	-	CROUSE, L M	-	- C	84	84	6	-	-	-	X
CE AE 13	-	CROUSE, ARTHUR	-	- D	30	30	-	30	-	-	W
CE AE 14	-	JANNEY, C A	-	1951 D	13	13	42	13	-	-	W
CE AE 15	-	MORAN, ELTON	-	- D	26	26	42	26	-	-	W
CE AE 16	-	MORAN, ELTON	-	- D	18	18	40	18	-	-	W
CE AE 17	-	PUGH, E R	-	- D	42	42	48	42	-	-	W
CE AE 19	-	KELLY, WILBERT	-	- D	18	18	48	18	-	-	W
CE AE 20	-	HENDERSON, WALTER	-	- D	33	33	42	33	-	-	W
CE AE 22	-	MOORE, WALTER S	MEYERS	1932 C	73	73	6	-	-	-	X
CE AE 23	-	KIRK, GEORGE	-	- D	28	28	48	28	-	-	W
CE AE 24	-	KIRK, GEORGE	SLAUCH	1948 C	75	75	6	-	-	-	X
CE AE 25	CE-01-0734	TRUITT, LINTON	SLAUCH	1952 C	115	115	6	14	-	-	X
CE AE 26	-	TRUITT, LINTON	-	- D	34	34	30	34	-	-	W
CE AE 28	-	SMITH, MITCHELL	SMITH	1951 D	20	20	42	20	-	-	O
CE AE 29	CE-01-1404	FAIR HILL INC	SLAUCH	1952 C	52	52	6	20	-	-	X
CE AE 30	CE-01-1470	FAIR HILL INC	SLAUCH	1953 C	223	223	6	24	-	-	X
CE AE 31	-	FAIR HILL INC	-	- D	31	31	40	31	-	-	W
CE AE 32	CE-01-1403	STRAHORN, HARRY W JR	SLAUCH	1953 C	116	116	6	30	-	-	X
CE AE 33	CE-00-3798	NOCK, HARRY W	VAN TRUMP	1949 C	125	125	6	40	-	-	X
CE AE 35	CE-73-1134	DIEMONT, CAROL	WALTON	1975 A	440	440	6	-	-	-	X
CE AE 36	CE-67-0164	COCHRAN'S STORE	MAIN	1966 C	50	50	6	25	-	-	X
CE AE 37	CE-73-1904	SINGERLY FIRE CO	BROWN	1977 A	274	274	6	116	-	-	X
CE AE 38	CE-73-3165	FAIR HILL INN	WALTON	1979 P	155	155	6	61	-	-	X
CE AE 39	CE-73-0846	HOLINESS CHRISTIAN CHURCH	DIFILIPPO	1974 P	137	137	6	42	-	-	X
CE AE 40	CE-73-0898	APOSTOLIC DELIVERANCE CH	DIFILIPPO	1974 P	58	58	6	36	-	-	X
CE AE 41	CE-73-1257	PLEASANT HILL STORE	DIFILIPPO	1975 P	188	188	6	20	-	-	X
CE AE 42	CE-71-0130	HILL TOP INN	BROWN	1970 A	84	84	6	40	-	-	X
CE AE 43	CE-72-0185	WESLEY, JOHN JR	DIFILIPPO	1971 P	74	74	6	40	-	-	X
CE AE 44	CE-73-1227	WESLEY'S RESTAURANT	DIFILIPPO	1975 P	87	87	6	20	-	-	X
CE AE 45	CE-66-0607	ST. JOHN CHURCH	MAIN	1966 C	85	85	6	40	-	-	X
CE AE 46	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1970 V	30	30	-	-	-	-	-
CE AE 47	CE-81-0296	ELKTON HOMES	DIFILIPPO	1982 P	100	100	6	20	-	-	X
CE AE 48	CE-68-0022	CHERRY HILL MIDDLE SCHOOL	P & H	1967 A	202	202	6	27	-	-	X
CE AE 49	CE-01-5651	KENMORE ELEMENTARY SCHOOL	DOUGHERTY	1954 C	125	125	6	62	-	-	X
CE AE 50	CE-03-7516	JANNEY, ALBERT	SLAUCH	1960 C	57	57	6	34	-	-	X
CE AE 51	CE-67-0230	SPECTRON, INC	HAMILTON	1967 A	60	60	6	21	-	-	X
CE AE 52	CE-70-0136	SPECTRON, INC	HAMILTON	1970 H	20	20	6	16	-	-	X
CE AE 53	CE-81-0039	SCARBOROUGH, MARY	HAMILTON	1981 P	74	74	6	38	-	-	X
CE AE 54	CE-81-0265	YONKO, WALTER	DIFILIPPO	1982 P	52	52	6	52	-	-	O
CE AE 55	CE-73-2118	SLAGEL, HOWARD	DIFILIPPO	1982 P	242	242	6	56	-	-	X
CE AE 56	CE-04-5422	DUPONT, P	SLAUCH	1962 C	87	87	6	17	-	-	X
CE AE 57	CE-73-3228	W. L. GORE & ASSOCIATES	WALTON	1979 P	280	280	6	60	-	-	X
CE AE 58	CE-04-6088	ROCK PRESBYTERIAN CHURCH	SLAUCH	1962 C	137	137	6	112	-	-	X
CE AE 59	CE-73-0886	BRISTOW, JUDY	DIFILIPPO	1974 P	103	103	6	31	-	-	X
CE AE 60	CE-73-2923	W. L. GORE & ASSOCIATES	WALTON	1979 P	400	400	6	50	-	-	X
CE AE 61	CE-72-0386	W. L. GORE & ASSOCIATES	DIFILIPPO	1972 P	400	400	6	42	-	-	X
CE AE 62	CE-81-0244	JENKINS, THOMAS	P & H	1982 P	255	255	6	55	-	-	X
CE AE 63	CE-02-9165	PROV. 7TH DAY ADVENTIST CH	PRESTON	1957 A	70	70	6	36	-	-	X
CE AF 1	CE-00-9479	GREER, STUART	AULD	1952 C	60	60	6	50	-	-	X
CE AF 2	CE-00-9480	DUNDEE CORP.	AULD	1952 C	58	58	6	30	-	-	X
CE AF 3	CE-00-7565	PHILLIPS, CLARENCE	SLAUCH	1951 C	85	85	6	61	-	-	X
CE AF 4	CE-01-0227	COCKERHAM, EARL	SLAUCH	1952 C	94	94	6	38	-	-	X
CE AF 5	-	RICKEY, J F	-	- D	45	45	60	45	-	-	W
CE AF 6	-	BADDERS, B	-	- D	54	54	48	54	-	-	W
CE AF 7	-	DUPONT, W	-	- D	35	35	48	35	-	-	W
CE AF 8	CE-01-0976	COVELISKIE, T	ENNIS	1952 C	41	41	6	22	-	-	X
CE AF 10	-	ZEBLEY, JOSEPH W	-	- D	14	14	45	14	-	-	W
CE AF 11	-	ZEBLEY, JOSEPH W	-	- D	32	32	42	32	-	-	W
CE AF 12	-	HALLER, CHARLES	-	- D	20	20	42	20	-	-	W
CE AF 13	-	SNODGRASS, WYLIE	-	- D	30	30	42	30	-	-	W
CE AF 14	-	HALL, E F	-	- D	38	38	42	38	-	-	W
CE AF 15	-	OSBORNE, R	-	- D	30	30	42	30	-	-	W
CE AF 16	-	OSBORNE, R	-	- D	30	30	30	30	-	-	W
CE AF 17	-	CRONHARDT, DAVID	-	- D	30	30	38	30	-	-	W
CE AF 18	-	DEVER, WILLIAM	-	- D	24	24	60	24	-	-	W
CE AF 19	-	PHILHOWER, W	-	- D	17	17	60	17	-	-	W
CE AF 20	-	MARTENIS, F B	-	1890 D	18	18	48	18	-	-	W
CE AF 21	-	MARTENIS, F B	-	1890 D	17	17	36	17	-	-	W
CE AF 22	-	MARTENIS, F B	-	- D	-	-	-	-	-	-	W
CE AF 23	CE-00-2196	BAYLIS, A M	ENNIS	1947 C	59	59	6	30	-	-	X
CE AF 24	CE-01-2263	MEYER, DAVID	WALTON	1953 C	65	65	6	60	-	-	X
CE AF 25	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1962 V	17	-	-	-	-	-	-
CE AF 26	CE-72-0385	NEWARK BAPTIST CHURCH	DIFILIPPO	1972 P	275	275	6	40	-	-	X
CE AF 27	CE-73-0736	HIGHLANDS WATER SUPPLY	WALTON	1974 A	280	280	6	88	-	-	X
CE AF 28	CE-73-0963	HIGHLANDS WATER SUPPLY	DIFILIPPO	1974 P	333	333	6	37	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
PLTC GNEISS:WISS	H	335	-	-	-	-	-	-	-	-	H		CE AE 10
PLTC GNEISS:WISS	F	380	-	-	-	-	-	-	-	-	H		CE AE 11
PLTC GNEISS:WISS	S	270	15	04/00/52	-	-	-	-	-	-	H		CE AE 12
PLTC GNEISS:WISS	S	320	-	-	-	-	-	-	-	-	H		CE AE 13
PLTC GNEISS:WISS	S	340	7	11/00/52	-	-	-	-	-	-	H		CE AE 14
JAMES RUN UPPER	W	330	20.47	11/17/52	-	-	-	-	-	-	H		CE AE 15
JAMES RUN UPPER	W	330	14	11/17/52	-	-	-	-	-	-	S		CE AE 16
JAMES RUN LOWER	F	395	-	-	-	-	-	-	-	-	H		CE AE 17
JAMES RUN LOWER	S	390	14.23	11/17/52	-	-	-	-	-	-	H		CE AE 19
GNEISS (MISC.)	S	185	25	11/01/52	-	-	-	-	-	-	H		CE AE 20
JAMES RUN LOWER	H	385	35	12/10/52	-	-	-	-	-	-	H		CE AE 22
JAMES RUN LOWER	F	380	18	12/10/52	-	-	-	-	-	-	H		CE AE 23
JAMES RUN LOWER	F	380	-	-	-	-	-	-	-	-	S		CE AE 24
GNEISS (MISC.)	S	330	40	10/29/52	40	50	15	10/29/52	1	1.5	H	D	CE AE 25
GNEISS (MISC.)	S	330	22	12/10/52	-	-	-	-	-	-	H		CE AE 26
JAMES RUN LOWER	F	375	-	-	-	-	-	-	-	-	H		CE AE 28
JAMES RUN LOWER	H	355	8	12/11/52	8	45	5	12/11/52	1	.1	H	D	CE AE 29
GNEISS (MISC.)	H	330	23	01/20/53	23	200	5	01/20/53	2	<.1	H	D	CE AE 30
GNEISS (MISC.)	H	330	19.14	04/08/53	-	-	-	-	-	-	H		CE AE 31
GNEISS (MISC.)	F	380	29	02/05/53	29	110	5	02/05/53	1	<.1	H	D	CE AE 32
GNEISS (MISC.)	H	345	30	06/01/49	30	100	3	06/01/49	6	<.1	H	D	CE AE 33
GNEISS (MISC.)	H	342	47.74	01/03/82	32	350	8	03/21/75	4	<.1	H	D	CE AE 35
GNEISS (MISC.)	S	262	10	09/20/66	10	20	10	09/20/66	3	1.0	C	D	CE AE 36
GNEISS (MISC.)	F	370	47	03/29/77	47	100	10	03/29/77	2	.2	H	D	CE AE 37
GILPINS FALLS MBR.	F	385	25	09/26/79	25	100	20	09/26/79	4	.3	C	D	CE AE 38
JAMES RUN LOWER	F	370	22	05/15/74	22	130	2	05/15/74	2	<.1	T	D	CE AE 39
JAMES RUN LOWER	F	385	18	06/24/74	18	35	30	06/24/74	2	1.8	T	D	CE AE 40
JAMES RUN LOWER	F	385	30	07/11/75	30	160	2	07/11/75	2	<.1	C	D	CE AE 41
GILPINS FALLS MBR.	S	338	30	11/20/70	30	35	25	11/20/70	1	5.0	C	D	CE AE 42
GILPINS FALLS MBR.	S	360	18	12/07/71	18	40	20	12/07/71	1	.9	C	D	CE AE 43
GILPINS FALLS MBR.	W	345	20	06/20/75	20	35	15	06/20/75	2	1.0	C	D	CE AE 44
PLTC GNEISS:WISS	S	420	40	08/10/66	40	60	6	08/10/66	3	.3	T	D	CE AE 45
-	V	227	1	03/09/70	-	-	-	-	-	-	U	D	CE AE 46
JAMES RUN LOWER	W	210	-	-	-	15	15	05/20/82	6	-	H	D	CE AE 47
GNEISS (MISC.)	F	280	25	08/16/67	25	-	36	08/16/67	24	-	T		CE AE 48
GNEISS (MISC.)	F	365	52	07/19/54	52	120	6	-	16	<.1	T	D,QH	CE AE 49
PLTC GNEISS:WISS	S	358	20	01/12/60	20	29	15	01/12/60	1	1.7	H		CE AE 50
JAMES RUN LOWER	V	205	12	02/01/67	12	-	6	02/01/67	-	-	N	D	CE AE 51
JAMES RUN LOWER	V	205	10	08/04/70	10	-	6	08/04/70	2	-	N	D	CE AE 52
JAMES RUN LOWER	V	210	10	08/29/81	10	-	8	08/29/81	2	-	H	D	CE AE 53
JAMES RUN LOWER	F	405	10	04/18/82	10	20	12	04/18/82	6	1.2	H	D	CE AE 54
JAMES RUN LOWER	F	405	30	07/29/82	30	164	2	07/29/82	6	<.1	H	D	CE AE 55
PLTC GNEISS:WISS	F	360	35	01/09/62	35	50	15	01/09/62	2	1.0	S	D	CE AE 56
JAMES RUN UPPER	F	360	30	12/07/79	30	280	30	12/07/79	4	.1	N	D	CE AE 57
GNEISS (MISC.)	H	395	24	04/04/62	24	-	6	04/04/62	1	-	H	D	CE AE 58
JAMES RUN LOWER	S	205	25	06/20/74	25	90	7	06/20/74	2	.1	H	D	CE AE 59
GNEISS (MISC.)	H	285	4	05/29/79	4	12	12	05/29/79	4	1.5	N	D	CE AE 60
GNEISS (MISC.)	H	285	60	08/28/72	60	300	7	08/28/72	2	<.1	N	D	CE AE 61
GILPINS FALLS MBR.	H	325	20	03/18/82	20	255	14	03/18/82	3	<.1	H	D	CE AE 62
GNEISS (MISC.)	H	370	26	11/01/57	26	-	4	11/01/57	-	-	T	D	CE AE 63
METAGRAYWACKE:WISS	W	240	18	02/07/52	18	25	10	02/07/52	2	1.4	H	D	CE AF 1
METAGRAYWACKE:WISS	S	240	8	02/07/52	8	18	10	02/07/52	2	1.0	H	D	CE AF 2
GILPINS FALLS MBR.	F	310	30	04/19/51	30	70	15	04/19/51	1	.4	H	D	CE AF 3
GILPINS FALLS MBR.	F	305	16.84	09/08/52	-	-	-	-	-	-	H	D	CE AF 4
PLTC GNEISS:WISS	F	288	43	11/05/52	-	-	-	-	-	-	H		CE AF 5
PLTC GNEISS:WISS	H	365	36	11/04/52	-	-	-	-	-	-	H		CE AF 6
METAGRAYWACKE:WISS	F	330	-	-	-	-	-	-	-	-	H		CE AF 7
GILPINS FALLS MBR.	F	310	15	09/16/52	15	-	20	09/16/54	33	-	H	D	CE AF 8
GNEISS (MISC.)	S	225	11	11/18/52	-	-	-	-	-	-	H		CE AF 10
GNEISS (MISC.)	S	235	-	-	-	-	-	-	-	-	S		CE AF 11
GNEISS (MISC.)	F	238	13.81	11/18/52	-	-	-	-	-	-	H		CE AF 12
GNEISS (MISC.)	F	242	-	-	-	-	-	-	-	-	H		CE AF 13
GNEISS (MISC.)	S	150	28.29	11/18/52	-	-	-	-	-	-	H		CE AF 14
GNEISS (MISC.)	S	130	26.62	11/18/52	-	-	-	-	-	-	H		CE AF 15
GNEISS (MISC.)	S	125	21.54	11/18/52	-	-	-	-	-	-	H		CE AF 16
GNEISS (MISC.)	F	209	-	-	-	-	-	-	-	-	H		CE AF 17
GNEISS (MISC.)	F	185	18.40	11/18/52	-	-	-	-	-	-	H		CE AF 18
GNEISS (MISC.)	F	145	10	11/18/52	-	-	-	-	-	-	H		CE AF 19
JAMES RUN LOWER	S	295	15	11/18/52	-	-	-	-	-	-	H		CE AF 20
JAMES RUN LOWER	S	290	14	11/18/52	-	-	-	-	-	-	S		CE AF 21
GNEISS (MISC.)	W	230	-	-	-	-	-	-	-	-	H		CE AF 22
PLTC GNEISS:WISS	S	265	30	12/29/47	30	50	4	12/29/47	16	.2	H	D	CE AF 23
JAMES RUN LOWER	S	225	-	-	-	15	5	05/06/53	6	-	H	D	CE AF 24
-	C	135	-	-	-	-	-		-	-	U	D	CE AF 25
GILPINS FALLS MBR.	H	310	20	08/22/72	20	100	6	08/22/72	2	<.1	T	D	CE AF 26
GNEISS (MISC.)	F	255	46	03/06/74	46	200	60	03/06/74	8	.4	P	D,QH	CE AF 27
GNEISS (MISC.)	F	245	25	09/07/74	25	240	25	09/07/74	24	.1	P	D	CE AF 28

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE AF 29	CE-73-1118	HIGHLANDS WATER SUPPLY	DIFILIPPO	1974 P	307	307	6	31	-	-	X
CE AF 30	CE-73-2967	DALTON, WAYNE	WALTON	1978 P	155	155	6	80	-	-	X
CE AF 31	-	MIHALY, WILLIAM	-	- P	52	52	6	-	-	-	X
CE AF 32	CE-03-1719	APPLETON HOMEMAKERS	SLAUCH	1958 C	108	108	6	31	-	-	X
CE AF 33	CE-03-7550	CANTERA, NICHOLAS	AULD	1960 C	55	55	6	32	-	-	X
CE BA 1	CE-04-7298	MORRISON-KNUDSEN CO.	PRESTON	1962 A	40	40	6	35	-	-	X
CE BA 2	CE-73-1570	MERGENTIME CORP	BROWN	1976 A	72	72	6	55	-	-	X
CE BB 1	CE-00-7840	LUGLIO, EDWARD J	SLAUCH	1951 C	129	129	6	112	-	-	-
CE BB 2	CE-00-9457	BUCK, WALTER	MILLER	1952 C	84	84	6	83	-	-	X
CE BB 3	CE-00-9458	BUCK, WALTER	MILLER	1952 C	74	74	6	73	-	-	X
CE BB 4	CE-00-8538	ROBICHAND, EDGAR G	MILLER	1951 C	92	92	6	-	-	-	X
CE BB 5	CE-00-9203	LEE, H A	MILLER	1951 C	77	77	6	77	-	-	-
CE BB 6	CE-00-8654	PUGH, C L	SMITH	1951 C	36	36	6	19	-	-	X
CE BB 7	CE-00-9675	MCMULLEN, CLYDE	DOUGHERTY	1952 C	79	79	6	57	-	-	X
CE BB 8	CE-00-9031	WEBB, WILLIAM	THOMAS	1952 C	117	117	6	52	-	-	X
CE BB 9	CE-01-1549	MURPHY, SPENCER	BROWN	1953 C	23	23	6	16	-	-	X
CE BB 10	CE-00-5391	GRAYBEAL, WILEY	MORGAN	1950 C	49	49	6	23	-	-	X
CE BB 11	CE-01-1578	WHITE, PAUL	DOUGHERTY	1953 C	65	65	6	47	-	-	X
CE BB 12	-	CALDWELL, JAMES	-	1947 D	20	20	28	20	-	-	W
CE BB 14	-	COX, GEORGE	-	- D	28	28	24	28	-	-	W
CE BB 15	-	COX, GEORGE	-	- C	80	80	6	-	-	-	X
CE BB 17	-	NARVEL, FRED	HESS	1935 C	28	28	6	-	-	-	X
CE BB 18	CE-01-2077	McLAY, THOMAS	DOUGHERTY	1953 C	80	80	6	63	-	-	X
CE BB 19	CE-01-1071	BURLIN, WALTER	DOUGHR	1952 C	105	105	6	73	-	-	X
CE BB 21	CE-01-2229	WILEY MANUFACTURERS CO	DOUGHERTY	1953 C	24	24	6	24	-	-	O
CE BB 22	CE-01-2655	WILLS, STANLEY	DOUGHERTY	1953 C	27	27	6	27	-	-	O
CE BB 25	-	KIMBLE, J H	DOWNIN	1930 C	100	100	6	-	-	-	X
CE BB 26	-	BANNISTER, W L	DABLER	1911 C	40	40	6	-	-	-	X
CE BB 27	CE-73-3111	MURR, WILLIAM	HAMILTON	1979 H	103	103	6	41	-	-	X
CE BB 28	-	FRIST, STERLING	-	- D	44	44	48	44	-	-	W
CE BB 29	CE-81-0056	FRIST, STERLING	BROWN	1981 A	145	145	6	63	-	-	X
CE BB 31	-	MOUNT ARARAT FARMS	-	- D	16	16	48	16	-	-	W
CE BB 32	CE-73-2225	WOODLAWN TRANSFER STATION	BROWN	1977 A	228	228	6	103	-	-	X
CE BB 33	CE-81-0110	BASIN RUN ANIMAL HOSPITAL	HAMILTON	1981 P	400	400	6	46	-	-	X
CE BB 34	CE-01-4737	PORT DEPOSIT SCHOOL	DOUGHERTY	1954 C	50	50	6	22	-	-	X
CE BB 35	CE-02-8924	PORT CLEANERS	PRESTON	1957 A	125	125	6	20	-	-	X
CE BB 36	CE-73-2814	HOPKINS, EDGAR P JR	BROWN	1979 A	125	125	6	43	-	-	X
CE BB 37	CE-72-0359	ABERDEEN CONCRETE CO	HAMILTON	1972 H	44	44	6	16	-	-	X
CE BB 38	CE-73-1828	VFW POST 8185	DIFILIPPO	1976 P	120	120	6	28	-	-	X
CE BB 39	CE-67-0035	HOPKINS CRAB HOUSE	P & H	1966 A	42	42	6	17	-	-	X
CE BB 40	CE-67-0240	MARYLAND ASSEMBLIES	P & H	1966 A	75	75	6	54	-	-	X
CE BB 41	CE-73-0975	WAIBELWOOD PARK	HAMILTON	1974 H	60	60	6	30	-	-	X
CE BB 42	CE-05-6740	MAPLE HILL MOBILE HOME PARK	P & H	1964 A	79	78	6	78	-	-	O
CE BB 43	CE-72-0222	MAPLE HILL MOBILE HOME PARK	HAMILTON	1972 H	56	56	6	56	-	-	O
CE BB 44	CE-73-3308	CHESAPEAKE CENTER CAMPS	WALTON	1980 P	180	180	6	35	-	-	X
CE BB 45	CE-66-0021	CHESAPEAKE CENTER CAMPS	WALTON	1965 A	104	104	6	49	-	-	X
CE BB 46	CE-66-0022	CHESAPEAKE CENTER CAMPS	WALTON	1965 A	111	111	6	29	-	-	X
CE BB 47	CE-05-4643	BENJAMIN'S TRAILER PARK	LINTON	1963 P	45	45	6	22	-	-	X
CE BB 48	CE-66-0444	HOMESTEAD MOBILE ESTATES	LINTON	1966 C	50	50	6	50	-	-	X
CE BB 49	CE-70-0157	HOMESTEAD MOBILE ESTATES	HAMILTON	1970 H	96	96	6	20	-	-	X
CE BB 50	CE-73-0225	HOMESTEAD MOBILE ESTATES	HAMILTON	1972 H	90	90	6	40	-	-	X
CE BB 51	CE-81-0878	VFW POST 8185	BROWN	1983 A	143	143	8	25	-	-	X
							6	40			
CE BC 1	CE-00-6590	FREEMAN, ADDISON	BROWN	1950 C	50	50	6	47	-	-	X
CE BC 2	CE-00-9332	BOYD, B E	DOUGHERTY	1952 C	98	98	6	38	-	-	X
CE BC 3	CE-00-8498	WOODLAWN MOBILE ESTATES	MILLER	1951 C	84	84	6	-	-	-	X
CE BC 4	CE-01-0510	YOUNG, L, C	DOUGHERTY	1952 C	54	54	6	34	-	-	X
CE BC 5	CE-01-0567	GUTTERON, T,B	DOUGHERTY	1952 C	51	51	6	41	-	-	X
CE BC 6	CE-00-9677	SHMEL, MICHAEL	DOUGHERTY	1952 C	50	50	6	30	-	-	X
CE BC 7	CE-00-9678	ASTLE, JOHN B	DOUGHERTY	1952 C	59	59	6	30	-	-	X
CE BC 8	CE-00-9371	MOORE, CHARLES	H & H	1952 C	43	43	6	38	-	-	X
CE BC 9	CE-00-8979	POFFENBARGER, J L	SLAUCH	1952 C	209	209	6	51	-	-	X
CE BC 10	CE-00-9201	POFFENBARGER, J L	SLAUCH	1951 C	226	226	6	-	-	-	X
CE BC 11	CE-00-9399	JACKSON, D E	DOUGHERTY	1952 C	58	58	6	15	-	-	X
CE BC 12	CE-00-5796	CLEMENT, G	MORGAN	1950 C	70	70	6	63	-	-	X
CE BC 13	CE-00-5858	McFADDEN, R	RINIER	1950 C	38	38	6	27	-	-	X
CE BC 14	CE-00-9372	BALDWIN, LESLIE A	THOMAS	1952 C	91	91	6	58	-	-	X
CE BC 15	CE-00-5210	KIRK, GUY	MORGAN	1950 C	100	100	6	44	-	-	X
CE BC 16	CE-00-6561	WEST NOTTINGHAM ACADEMY	RINIER	1950 C	85	85	6	72	-	-	X
CE BC 18	-	EBENEZER COMMUNITY HOUSE	-	1826 D	25	25	42	25	-	-	W
CE BC 19	-	McGRADY, GLENN	-	- D	26	26	42	26	-	-	W
CE BC 20	-	McGRADY, GLENN	-	- D	26	26	42	26	-	-	W
CE BC 21	-	FOX, J F	-	1938 C	105	105	6	-	-	-	X
CE BC 22	-	NICKELL, RUSH M	-	- D	35	35	42	35	-	-	W
CE BC 23	CE-00-9676	McGLOTHLIN, RALPH	DOUGHERTY	1952 C	42	42	6	23	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level Date	Yield test: Water level (feet below land surface) Static	Water level Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
GNEISS (MISC.)	F	225	20	10/10/74	20	230	20	10/10/74	24	<0.1	P	D	CE AF 29
PLTC GNEISS:WISS	F	325	35	07/06/79	35	100	8	07/06/78	4	.1	H	D,QH	CE AF 30
METAGRAYWACKE:WISS	S	215	-	-	-	-	-	-	-	-	H	QH	CE AF 31
GNEISS (MISC.)	H	240	12	08/26/58	12	108	2	08/26/58	1	<.1	T	D	CE AF 32
PLTC GNEISS:WISS	S	280	15	01/04/60	15	20	10	01/04/60	2	2.0	H	D	CE AF 33
BOULDER GNEISS:WISS	G	51	15	05/10/62	15	-	40	05/10/62	-	-	H	D	CE BA 1
BOULDER GNEISS:WISS	F	60	20	05/06/76	20	40	12	05/06/76	1	.6	C	D	CE BA 2
POTOMAC	F	465	18.58	06/05/80	18	-	10	05/24/51	3	-	H	QH,WS	CE BB 1
PORT DEPOSIT GNEISS	F	470	20	02/18/52	20	40	5	02/18/52	1	.3	H	D	CE BB 2
PORT DEPOSIT GNEISS	F	470	20	02/25/52	20	40	5	02/25/52	1	.3	H	D	CE BB 3
PORT DEPOSIT GNEISS	F	455	36	08/31/51	36	-	8	08/31/51	1	-	H	D	CE BB 4
POTOMAC	F	460	30	12/18/51	30	40	10	12/18/51	1	1.0	H	D	CE BB 5
PORT DEPOSIT GNEISS	F	390	12	09/10/51	12	20	15	09/10/51	5	1.9	H	D	CE BB 6
PORT DEPOSIT GNEISS	F	460	15	06/30/52	15	65	8	06/30/52	8	.2	H	D	CE BB 7
METAGRAYWACKE:WISS	H	445	64	01/02/52	64	110	1	01/02/52	1	<.1	H	D	CE BB 8
BOULDER GNEISS:WISS	S	80	15	01/16/53	15	18	8	01/16/53	1	2.7	H	D	CE BB 9
BOULDER GNEISS:WISS	S	60	15	04/25/50	15	25	9	04/25/50	4	.9	H		CE BB 10
BOULDER GNEISS:WISS	S	330	25.32	04/14/53	30	45	20	01/13/53	6	1.3	H	D	CE BB 11
METAGRAYWACKE:WISS	S	230	14	07/00/49	-	-	-	-	-	-	H		CE BB 12
METAGRAYWACKE:WISS	S	315	18.02	04/18/53	-	-	-	-	-	-	H		CE BB 14
METAGRAYWACKE:WISS	S	315	15	00/00/48	-	-	-	-	-	-	H		CE BB 15
BOULDER GNEISS:WISS	F	40	-	-	-	-	-	-	-	-	H		CE BB 17
PORT DEPOSIT GNEISS	H	395	17	04/11/53	17	65	10	04/11/53	5	.2	H	D	CE BB 18
METAGRAYWACKE:WISS	H	400	25	09/30/53	-	-	-	-	-	-	H		CE BB 19
PORT DEPOSIT GNEISS	G	10	7	05/29/53	7	9	50	05/29/53	16	-	A	D	CE BB 21
PORT DEPOSIT GNEISS	G	8	5	06/17/53	5	5.50	30	06/17/53	5	-	Q	D	CE BB 22
METAGRAYWACKE:WISS	H	320	-	-	-	-	-	-	-	-	H		CE BB 25
BOULDER GNEISS:WISS	G	175	3	00/00/42	-	-	-	-	-	-	H		CE BB 26
BOULDER GNEISS:WISS	S	310	47.64	08/27/80	30	103	5	09/24/79	3	<.1	H	QH,WI	CE BB 27
PORT DEPOSIT GNEISS	H	390	32.89	09/23/82	-	-	-	-	-	-	H		CE BB 28
PORT DEPOSIT GNEISS	H	390	50	09/03/81	50	90	7	09/03/81	2	.2	H	D	CE BB 29
GILPINS FALLS MBR.	S	255	10.22	09/30/82	-	-	-	-	-	-	H		CE BB 31
PORT DEPOSIT GNEISS	S	465	64	09/23/77	64	150	5	09/23/77	2	<.1	H	D,QH	CE BB 32
METAGRAYWACKE:WISS	S	325	30	10/12/81	30	150	1	10/12/81	6	<.1	C	D	CE BB 33
PORT DEPOSIT GNEISS	S	220	27	04/15/54	27	40	15	04/15/54	8	1.2	T	D	CE BB 34
PORT DEPOSIT GNEISS	H	258	30	08/28/57	30	-	7	08/28/57	-	-	C	D	CE BB 35
PORT DEPOSIT GNEISS	H	262	30	01/26/79	30	80	7	01/26/79	1	.1	H	D	CE BB 36
PORT DEPOSIT GNEISS	F	19	18	05/08/72	18	-	60	05/08/72	1	-	N		CE BB 37
PORT DEPOSIT GNEISS	V	20	20	10/27/76	20	120	4	10/27/76	2	<.1	T	D	CE BB 38
BOULDER GNEISS:WISS	F	25	10	07/19/66	10	-	10	07/19/66	-	-	C	D	CE BB 39
METAGRAYWACKE:WISS	H	410	50	11/11/66	50	-	20	11/11/66	-	-	U	D	CE BB 40
PORT DEPOSIT GNEISS	W	415	6	08/13/74	6	60	30	08/13/74	1	.6	P	D	CE BB 41
POTOMAC	F	450	25	09/18/64	25	-	40	03/18/64	4	-	P	D	CE BB 42
POTOMAC	F	450	30	03/29/72	30	-	50	03/29/72	1	-	P	D	CE BB 43
JAMES RUN UPPER	W	350	7	04/02/80	7	55	20	04/02/80	4	.4	R	D	CE BB 44
JAMES RUN UPPER	W	350	8.30	06/02/65	8.30	90	6	06/02/65	6	<.1	R	D	CE BB 45
JAMES RUN UPPER	W	365	21.40	06/11/65	21.40	95	20	06/11/65	10	.3	R	D	CE BB 46
PORT DEPOSIT GNEISS	W	375	15	11/16/63	15	18	10	11/16/63	4	3.3	P	D	CE BB 47
PORT DEPOSIT GNEISS	F	390	20	03/15/66	20	30	15	03/15/66	4	1.5	P	D	CE BB 48
PORT DEPOSIT GNEISS	F	390	20	01/28/70	20	80	14	01/28/70	8	.2	P	D	CE BB 49
PORT DEPOSIT GNEISS	F	400	15	12/01/72	15	-	20	12/01/72	2	-	P	D	CE BB 50
PORT DEPOSIT GNEISS	V	20	30	12/02/83	30	40	35	12/02/83	5	3.5	T	D	CE BB 51
METAGRAYWACKE:WISS	F	325	18	09/11/50	18	30	20	09/11/50	.5	1.7	H		CE BC 1
PORT DEPOSIT GNEISS	F	455	37	01/31/52	37	90	7	01/31/52	8	.1	H	D	CE BC 2
PORT DEPOSIT GNEISS	H	465	36	10/11/51	36	50	16	10/11/51	1	1.1	P	D	CE BC 3
METAGRAYWACKE:WISS	S	415	11.64	10/16/52	10	50	5	07/10/52	4	.1	H	D	CE BC 4
METAGRAYWACKE:WISS	S	415	18.35	10/15/52	10	15	25	07/19/52	6	5.0	H	D	CE BC 5
PORT DEPOSIT GNEISS	H	410	10	06/18/52	10	40	10	06/18/52	4	.3	H	D	CE BC 6
METAGRAYWACKE:WISS	S	335	32	06/06/52	32	40	10	06/06/52	8	1.3	H	D	CE BC 7
JAMES RUN UPPER	S	350	23	01/29/52	23	35	6	01/29/52	1	.5	H	D	CE BC 8
JAMES RUN UPPER	W	375	15	03/20/52	15	-	6	03/20/52	3	-	C	D	CE BC 9
JAMES RUN UPPER	W	375	24	12/07/51	24	70	10	12/07/51	3	.2	C		CE BC 10
GILPINS FALLS MBR.	S	290	12	02/11/52	12	26	10	02/11/52	8	.7	H	D	CE BC 11
JAMES RUN LOWER	S	320	50	05/21/50	50	-	9	05/21/50	5	-	H	D	CE BC 12
JAMES RUN LOWER	S	170	8	04/29/50	8	-	20	04/29/50	-	-	H	D	CE BC 13
JAMES RUN UPPER	H	415	28	01/29/52	28	85	1	01/29/52	2	<.1	H	D	CE BC 14
JAMES RUN UPPER	S	310	40	01/18/50	40	75	8	01/18/50	2	.2	H		CE BC 15
PLTC SCHIST:WISS	S	340	12.58	06/05/80	15	-	12	09/18/50	-	-	H	QH,WS	CE BC 16
JAMES RUN UPPER	H	437	18.09	12/03/82	-	-	-	-	-	-	H		CE BC 18
PELITIC:WISS	S	390	18	08/00/53	-	-	-	-	-	-	H		CE BC 19
PELITIC:WISS	S	395	-	-	-	-	-	-	-	-	H		CE BC 20
METAGRAYWACKE:WISS	H	365	20	00/00/38	-	-	-	-	-	-	H		CE BC 21
PORT DEPOSIT GNEISS	H	426	-	-	-	-	-	-	-	-	H		CE BC 22
PORT DEPOSIT GNEISS	H	410	10	10/03/52	10	39	3	10/03/52	4	.1	H	D	CE BC 23

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BC 24	CE-01-0888	STOTTS, CHARLES	DOUGHERTY	1952 C	54	54	6	40	-	-	X
CE BC 25	-	DRENNEN, J H	RINIER	- C	43	43	6	-	-	-	X
CE BC 26	CE-01-0760	WARING, E D	DOUGHERTY	1952 C	52	52	6	30	-	-	X
CE BC 27	CE-00-4319	FROST, JACK	RINIER	1949 C	42	42	6	25	-	-	X
CE BC 28	CE-01-1667	SMITH, O B	DOUGHERTY	1953 C	69	69	6	47	-	-	X
CE BC 29	CE-00-4656	BLACK, NELSON	SMITH	1949 C	94	94	6	63	-	-	X
CE BC 31	-	LOVING, FRED	-	- D	27	27	42	27	-	-	W
CE BC 33	CE-01-0759	FARREL, VIRGINIA I	DOUGHERTY	1952 C	55	55	6	48	6	-	-
CE BC 34	CE-01-2078	BANKS, HELEN	DOUGHERTY	1953 C	60	60	6	51	-	-	-
CE BC 35	CE-00-3559	BLACKBURN, GARRETT	MILLER	1949 C	132	132	6	-	-	-	X
CE BC 36	CE-00-3759	CAMPBELL, J B	RINIER	1949 C	139	139	6	86	-	-	X
CE BC 37	CE-00-3533	GADDY, JAMES	MORGAN	1949 C	36	36	6	-	-	-	X
CE BC 38	CE-01-1693	POFFENBARGER, J L	BROWN	1953 C	51	51	6	49	-	-	-
CE BC 39	CE-00-8603	LABHART, HARRY	MILLER	1951 C	110	110	6	-	-	-	X
CE BC 40	-	MEEK, STELLA	-	- D	14	14	40	14	-	-	W
CE BC 42	CE-05-0164	MD TOLL FACILITIES ADM	WALTON	1963 A	81	81	6	61	-	-	X
CE BC 43	CE-03-5458	WEST NOTTINGHAM ACADEMY	PRESTON	1959 A	120	120	6	54	-	-	X
CE BC 44	CE-05-1498	MD TOLL FACILITIES ADM	WALTON	1963 C	72	72	6	63	-	-	X
CE BC 46	-	DOUGLASS, JONES	-	- -	100	100	6	-	-	-	X
CE BC 47	-	McGRADY, GLEN	-	- D	23	23	48	23	-	-	W
CE BC 48	CE-73-2374	PLEASANT VIEW BAPTIST CH	HAMILTON	1978 H	125	125	6	62	-	-	X
CE BC 49	CE-73-0372	GRACE BAPTIST CHURCH	KIRK	1973 C	40	40	6	15	-	-	X
CE BC 50	CE-81-0308	BAINBRIDGE ELEMENTARY SCH	BROWN	1982 A	310	310	6	107	-	-	X
CE BC 51	CE-66-0512	ARROW HEAD ACRES CIV ASSOC	P & H	1966 A	222	222	6	70	-	-	X
CE BC 52	CE-66-0512	ARROW HEAD ACRES CIV ASSOC	P & H	1966 A	40	40	6	40	-	-	O
CE BC 53	CE-73-0002	ASBURY METHODIST CHURCH	HAMILTON	1972 H	117	117	6	82	-	-	X
CE BC 54	CE-73-1762	JACKSON, ROSS	HAMILTON	1976 H	75	75	6	43	-	-	X
CE BC 55	CE-72-0019	PHILLIPS PETROLEUM CO	HAMILTON	1971 H	120	120	6	45	-	-	X
CE BC 56	CE-81-0485	VIARS, JOHN C	HAMILTON	1982 A	200	200	6	25	-	-	X
CE BC 57	CE-04-0365	STIKE, DOROTHY	CULLEN	1960 C	41	41	6	29	-	-	X
CE BC 58	CE-73-3524	CUZZ ACRES NURSERY	BROWN	1980 A	225	225	6	45	-	-	X
CE BC 59	CE-73-1334	CUZZ ACRES NURSERY	BROWN	1975 A	100	100	6	72	-	-	X
CE BC 60	CE-73-0787	CUZZ ACRES NURSERY	BROWN	1974 A	220	220	6	26	-	-	X
CE BC 61	CE-69-0337	EBENEZER CHURCH	P & H	1969 A	66	66	6	44	-	-	X
CE BC 62	CE-66-0285	EBENEZER COMMUNITY HOUSE	BROWN	1965 A	74	74	6	59	-	-	X
CE BC 63	CE-73-3961	OLSON, WILLIAM	WALTON	1981 P	155	155	6	41	-	-	X
CE BC 64	CE-73-1178	BP SERVICE STATION	HAMILTON	1975 H	104	104	6	43	-	-	X
CE BC 65	CE-01-7608	DOUGLASS, JONES A	DOUGLASS	1955 C	55	55	6	20	-	-	X
CE BC 66	CE-73-0843	AUMAN, CLAIRE	BROWN	1974 A	75	74	6	74	-	-	O
CE BC 67	CE-72-0363	GROVE, HAROLD	BROWN	1972 H	215	215	6	69	-	-	X
CE BC 68	CE-68-0136	COKESBURY METHODIST CHURCH	P & H	1968 A	120	120	6	22	-	-	X
CE BC 69	CE-81-0282	THOMPSON, TIMOTHY	DIFILIPPO	1982 P	65	62	6	62	-	-	O
CE BC 70	CE-67-0179	HIGHLANDS PARK	HAMILTON	1966 A	80	80	6	23	-	-	X
CE BC 71	CE-67-0179	HIGHLANDS PARK	HAMILTON	1966 A	140	140	6	-	-	-	X
CE BC 72	CE-73-1763	HIGHLANDS PARK	HAMILTON	1977 H	200	200	6	40	-	-	X
CE BC 73	CE-66-0087	RUNNING BROOK TRAILER PARK	P & H	1965 A	62	62	6	23	-	-	X
CE BC 74	CE-73-3503	BRANDYWINE SAND & GRAVEL	HAMILTON	1980 H	65	65	6	-	-	-	X
CE BC 75	CE-81-0430	INTERSTATE AMIESITE CORP	HAMILTON	1982 A	150	150	6	71	-	-	X
CE BC 76	CE-71-0262	WILLIAMS TRAILER PARK	HAMILTON	1971 H	80	80	6	26	-	-	X
CE BC 77	CE-68-0162	WILLIAMS TRAILER PARK	P & H	1968 A	182	182	6	45	-	-	X
CE BC 78	CE-68-0162	WILLIAMS TRAILER PARK	P & H	1968 A	122	122	6	46	-	-	X
CE BC 79	CE-73-1050	SENN, LLOYD A	HAMILTON	1983 A	475	475	6	24	-	-	X
CE BC 80	CE-68-0096	OAK LANE MOBILEHOME PARK	HAMILTON	1967 A	200	200	6	58	-	-	X
CE BC 81	CE-73-3737	BAINBRIDGE MARKET	HAMILTON	1981 H	300	300	6	55	-	-	X
CE BC 82	CE-69-0218	SHERRARD,A C JR & JOHN C	BROWN	1969 A	164	164	6	83	-	-	X
CE BC 83	CE-81-0319	ABRAHAMS TRAILER PARK	P & H	1982 P	120	120	6	65	-	-	X
CE BC 84	CE-73-0731	WOODLAWN MOBILE ESTATES	HAMILTON	1973 H	165	165	6	50	-	-	X
CE BC 85	CE-67-0286	WOODLAWN MOBILE ESTATES	LINTON	1967 C	113	113	6	68	-	-	X
CE BC 86	CE-73-2988	WOODLAWN MOBILE ESTATES	HAMILTON	1980 H	137	137	6	63	-	-	X
CE BC 87	CE-73-3840	WOODLAWN MOBILE ESTATES	HAMILTON	1981 H	300	300	6	66	-	-	X
CE BC 88	CE-73-1749	CRABBE, DOUGLAS	HAMILTON	1976 H	55	55	6	35	-	-	X
CE BC 89	CE-66-0196	BAY COUNTRY ESTATES	BROWN	1965 A	49	49	6	40	-	-	X
CE BC 90	CE-69-0306	BAY COUNTRY ESTATES	BROWN	1969 A	61	61	6	31	-	-	X
CE BC 91	CE-81-0015	BAY COUNTRY ESTATES	DIFILIPPO	1982 P	200	200	6	30	-	-	X
CE BC 92	CE-81-0212	BAY COUNTRY ESTATES	DIFILIPPO	1982 P	200	200	6	24	-	-	X
CE BC 93	CE-69-0097	DEEL, EDWARD	P & H	1968 A	82	82	6	54	-	-	X
CE BC 94	CE-81-0045	HODGE, REX ALLEN	HAMILTON	1982 P	175	175	6	55	-	-	X
CE BC 95	CE-66-0040	WEST NOTTINGHAM ACADEMY	P & H	1965 A	62	62	6	33	-	-	X
CE BC 96	CE-05-3999	WEST NOTTINGHAM ACADEMY	P & H	1963 A	124	124	6	58	-	-	X
CE BD 1	CE-00-8847	EXXON SERVICE STATION	RINIER	1951 C	39	39	6	10	-	-	X
CE BD 2	CE-01-0215	MORONEY, FRANK C	RINIER	1952 C	56	56	6	28	-	-	X
CE BD 3	CE-01-0730	DEERDALE MOTEL	RINIER	1952 C	53	53	6	40	-	-	X
CE BD 4	CE-00-4655	DEERDALE MOTEL	MCDOUGAL	1949 C	112	112	6	-	-	-	X
CE BD 5	CE-00-7955	FOREST GARDEN MOTEL	RINIER	1951 C	53	53	6	43	-	-	X
CE BD 6	CE-00-9128	ROSS, HERMAN	BROWN	1952 C	65	65	6	45	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
METAGRAYWACKE:WISS	S	415	18	08/29/52	18	24	20	08/29/52	4	3.3	H	D	CE BC 24
GILPINS FALLS MBR.	S	315	-	-	-	-	-	-	-	-	H		CE BC 25
GILPINS FALLS MBR.	S	305	25	09/05/52	25	47	5	09/05/52	-	.2	H	D	CE BC 26
GILPINS FALLS MBR.	S	315	20	07/13/49	20	-	10	07/13/49	-	-	H	D	CE BC 27
JAMES RUN LOWER	F	205	26.15	09/16/53	21	45	20	02/05/53	8	.8	H	D	CE BC 28
JAMES RUN LOWER	H	165	18	09/06/49	18	30	9	09/06/49	5	.8	H		CE BC 29
GILPINS FALLS MBR.	S	400	22.60	09/21/53	-	-	-	-	-	-	H		CE BC 31
PLIOCENE	F	390	27.50	09/22/52	27.50	44	7	09/22/52	8	.4	H	D	CE BC 33
POTOMAC	F	390	22	06/13/53	22	56	3	06/13/53	5	<.1	H	D	CE BC 34
JAMES RUN UPPER	H	405	64	02/07/49	64	100	2	02/07/49	1	<.1	H	D	CE BC 35
JAMES RUN UPPER	F	395	30	04/06/49	30	-	1	04/06/49	-	-	H	D	CE BC 36
JAMES RUN UPPER	W	330	24.80	09/22/53	18	18.50	10	01/03/49	2	20.0	H	D	CE BC 37
POTOMAC	H	460	16	02/10/53	16	30	5	02/10/53	1	.4	C		CE BC 38
PORT DEPOSIT GNEISS	F	455	40	09/07/51	40	-	3	09/07/51	1	-	H	D	CE BC 39
POTOMAC	W	405	6.20	09/23/53	-	-	-	-	-	-	H		CE BC 40
JAMES RUN LOWER	S	310	12.56	05/03/63	13	79	7	04/25/63	-	.1	T	D	CE BC 42
PLTC SCHIST:WISS	F	320	25	05/16/59	25	-	4	05/16/59	-	-	T	D	CE BC 43
JAMES RUN LOWER	S	310	18	05/03/63	18	25	10	05/03/63	9	1.4	T	D	CE BC 44
GILPINS FALLS MBR.	S	260	-	-	-	-	-	-	-	-	C		CE BC 46
PELITIC:WISS	S	400	15.72	12/03/82	-	-	-	-	-	-	H		CE BC 47
PORT DEPOSIT GNEISS	H	440	40	10/15/78	40	125	6	10/15/78	2	<.1	T	D	CE BC 48
JAMES RUN UPPER	S	365	15	05/30/73	15	23	15	05/30/73	2	1.9	T	D	CE BC 49
JAMES RUN UPPER	H	420	50	06/23/82	50	115	42	06/23/82	4	.6	T	D,QH	CE BC 50
JAMES RUN UPPER	H	420	50	06/03/66	50	-	3	06/03/66	-	-	P	D	CE BC 51
PLIOCENE	W	400	20	06/03/66	20	-	8	-	-	-	P	D	CE BC 52
JAMES RUN UPPER	H	402	60	09/02/72	60	-	6	09/02/72	2	-	T	D	CE BC 53
GILPINS FALLS MBR.	S	290	25	09/16/76	25	75	8	09/16/76	2	.2	P	D	CE BC 54
GILPINS FALLS MBR.	F	310	42	07/14/71	42	-	18	07/14/71	2	-	C	D	CE BC 55
JAMES RUN UPPER	F	325	32	11/16/82	32	200	6	11/16/82	3	<.1	H	D,QH	CE BC 56
PORT DEPOSIT GNEISS	W	405	4	09/13/60	4	38	9	-	1	.3	H	D,QH	CE BC 57
PELITIC:WISS	F	455	30	10/02/80	30	50	32	10/02/80	3	1.6	I	D	CE BC 58
PELITIC:WISS	F	450	25	12/05/75	25	35	60	12/05/75	3	6.0	I	D	CE BC 59
JAMES RUN UPPER	F	448	18	05/07/74	18	100	55	05/07/74	2	.7	I	D,QH	CE BC 60
JAMES RUN UPPER	F	445	20	06/30/69	20	-	6	06/30/69	3	-	T		CE BC 61
JAMES RUN UPPER	F	437	25	12/03/65	25	60	10	12/03/65	1	.3	T	D	CE BC 62
PORT DEPOSIT GNEISS	H	410	30	07/11/81	30	100	10	07/11/81	4	.1	H	D	CE BC 63
METAGRAYWACKE:WISS	H	340	30	05/14/75	30	104	9	05/14/75	1	.1	C	D	CE BC 64
GILPINS FALLS MBR.	S	260	20	01/25/55	20	40	15	01/25/55	5	.8	C	D	CE BC 65
POTOMAC	F	430	40	06/06/74	40	45	200	06/06/74	3	40.0	H	D	CE BC 66
JAMES RUN UPPER	H	400	28	05/22/72	28	-	200	05/22/72	1	-	H	D	CE BC 67
JAMES RUN UPPER	S	370	30	01/30/68	30	-	3	01/30/68	-	-	T	D	CE BC 68
POTOMAC	S	405	40	05/10/82	40	-	20	05/10/82	6	-	H	D	CE BC 69
PORT DEPOSIT GNEISS	W	405	10	09/30/66	10	-	22	09/30/66	-	-	P	D	CE BC 70
PORT DEPOSIT GNEISS	S	420	30	09/28/66	30	-	2	09/28/66	-	-	P		CE BC 71
PORT DEPOSIT GNEISS	S	420	25	05/24/77	25	200	20	05/24/77	7	.1	P	D	CE BC 72
PORT DEPOSIT GNEISS	W	380	5	09/10/65	5	-	70	09/10/65	3	-	P	D	CE BC 73
JAMES RUN UPPER	S	385	28	09/09/80	28	65	5	09/09/80	3	.1	C	D	CE BC 74
JAMES RUN UPPER	H	425	50	10/12/82	50	100	10	10/12/82	4	.2	N	D	CE BC 75
GILPINS FALLS MBR.	S	240	5	06/22/71	5	-	10	06/22/71	2	-	P	D	CE BC 76
GILPINS FALLS MBR.	S	240	25	04/04/68	25	-	4	04/04/68	-	-	P	D	CE BC 77
GILPINS FALLS MBR.	S	240	17	04/04/68	17	-	3	04/04/68	-	-	P	D	CE BC 78
JAMES RUN UPPER	S	310	50	11/30/83	50	475	1	11/30/83	5	<.1	H	D	CE BC 79
PORT DEPOSIT GNEISS	F	445	35	11/03/67	35	-	6	11/03/67	-	-	P	D	CE BC 80
PORT DEPOSIT GNEISS	H	460	40	02/06/81	40	300	3	02/06/81	3	<.1	C	D	CE BC 81
PORT DEPOSIT GNEISS	H	460	8	03/18/69	8	20	10	03/18/69	2	.8	C	D	CE BC 82
PORT DEPOSIT GNEISS	F	450	43	06/03/82	43	120	15	06/03/82	3	.2	P	D	CE BC 83
PORT DEPOSIT GNEISS	H	455	35	12/08/73	35	165	12	12/08/73	1	<.1	P	D	CE BC 84
PORT DEPOSIT GNEISS	H	465	40	03/03/67	40	45	20	03/03/67	4	4.0	P	D	CE BC 85
PORT DEPOSIT GNEISS	H	465	35	02/20/80	35	137	15	02/20/80	3	.1	P	D	CE BC 86
PORT DEPOSIT GNEISS	H	465	50	10/27/81	50	300	10	10/27/81	3	<.1	P	D	CE BC 87
PORT DEPOSIT GNEISS	S	370	8	10/14/76	8	55	100	10/14/76	2	2.1	H	D	CE BC 88
GILPINS FALLS MBR.	H	420	28	11/05/65	28	32	40	11/05/65	2	10.0	P	D	CE BC 89
GILPINS FALLS MBR.	H	425	19	06/03/69	19	24	25	06/03/69	2	5.0	P	D	CE BC 90
GILPINS FALLS MBR.	H	420	20	01/06/82	20	150	9	01/06/82	3	<.1	P	D	CE BC 91
GILPINS FALLS MBR.	F	410	40	02/04/82	40	130	12	02/04/82	3	.1	P	D	CE BC 92
JAMES RUN LOWER	H	200	60	09/27/68	60	-	100	09/27/68	-	-	H	D	CE BC 93
JAMES RUN UPPER	S	395	40	02/01/82	4	175	4	02/01/82	3	<.1	H	D	CE BC 94
PLTC SCHIST:WISS	F	325	20	08/03/65	20	-	18	08/03/65	3	-	R	D	CE BC 95
PLTC SCHIST:WISS	F	330	30	08/09/63	30	-	6	08/09/63	-	-	T	D	CE BC 96
JAMES RUN LOWER	F	75	6	10/06/51	6	-	8	10/06/51	-	-	C	D	CE BD 1
JAMES RUN LOWER	F	80	10	05/26/52	10	-	12	05/26/52	-	-	C	D	CE BD 2
JAMES RUN LOWER	F	75	15	08/20/52	15	-	8	08/20/52	-	-	C	D	CE BD 3
JAMES RUN LOWER	F	75	22	10/08/49	22	50	11	10/08/49	5	.4	C	D	CE BD 4
JAMES RUN LOWER	F	70	15	05/29/51	15	-	6	05/29/51	-	-	C	D	CE BD 5
GILPINS FALLS MBR.	S	340	35	01/05/52	35	46	8	01/05/52	2	.7	H	D	CE BD 6

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BD 7	CE-01-0458	MONSCEVITZ, ZANE	BROWN	1952 C	63	63	6	-	-	-	X
CE BD 8	CE-00-9465	BROOKS, LESTER C	BROWN	1952 C	26	26	6	18	-	-	X
CE BD 9	CE-00-5609	CORNWALL, HERBERT L	BROWN	1950 C	40	40	6	-	-	-	X
CE BD 10	CE-00-9281	SPOTSWOOD, ROBERT	BROWN	1952 C	50	50	6	18	-	-	X
CE BD 11	CE-01-0214	FIRST NATIONAL BANK OF NE	RINIER	1952 C	78	78	6	40	-	-	X
CE BD 12	CE-00-9561	CARLSON, ALLEN	SLAUCH	1952 C	192	192	6	106	-	-	X
CE BD 13	CE-00-7262	SIMPERS, R C	SLAUCH	1951 C	90	90	6	60	-	-	X
CE BD 14	CE-01-0295	EXXON SERVICE STATION	RINIER	1952 C	79	79	6	34	-	-	X
CE BD 15	CE-00-8846	SAKERS, E	RINIER	1951 C	57	57	6	33	-	-	X
CE BD 16	CE-01-0021	KALLIO, A	ENNIS	1952 C	145	145	6	64	-	-	X
CE BD 17	CE-01-0019	KALLIO, A	ENNIS	1952 C	80	80	6	64	-	-	X
CE BD 18	-	TOWN OF NORTH EAST	WASHINGTON	1948 C	195	195	8	59	-	-	X
CE BD 19	-	TOWN OF NORTH EAST	WASHINGTON	1948 C	210	210	10	38	-	-	X
CE BD 20	-	TOWN OF NORTH EAST	WASHINGTON	1948 C	103	103	8	-	-	-	-
CE BD 21	-	TOWN OF NORTH EAST	WASHINGTON	1948 C	60	60	8	-	-	-	-
CE BD 22	-	TOWN OF NORTH EAST	ENNIS	1951 C	75	75	8	-	-	-	-
CE BD 23	-	TOWN OF NORTH EAST	ENNIS	1951 C	65	45	6	33	6	33- 45	G
CE BD 24	-	TOWN OF NORTH EAST	WASHINGTON	- C	104	104	6	20	-	-	X
CE BD 25	-	DEMERING	-	- D	16	16	36	16	-	-	W
CE BD 26	CE-00-0875	ASHBRIDGE, GEORGE H	ROGERS	1946 C	99	96	6	96	-	-	O
CE BD 27	CE-01-2338	TEXACO SERVICE STATION	ENNIS	1953 C	88	88	6	71	-	-	X
CE BD 28	CE-01-1224	SPENCE, JOHN D	ENNIS	1953 C	74	74	8	56	-	-	X
CE BD 29	CE-00-9765	MARYLAND MANOR MOTEL	ENNIS	1952 C	107	107	6	46	-	-	X
*CE BD 30	CE-73-1132	BIBLE FELLOWSHIP CHURCH	DIFILIPPO	1975 P	138	138	6	28	-	-	X
CE BD 31	CE-01-0977	KLESSIG, MARGARET	ENNIS	1952 C	104	104	6	55	-	-	X
CE BD 35	CE-01-1439	FRISTOE, F H	DOUGHERTY	1952 C	24	24	6	-	-	-	X
CE BD 36	-	SILVER CANNING CO	-	1930 C	165	165	6	30	-	-	X
CE BD 37	-	SILVER CANNING CO	-	- C	210	210	6	30	-	-	X
CE BD 38	-	SILVER CANNING CO	-	- C	100	100	6	-	-	-	X
CE BD 39	-	SILVER CANNING CO	-	- C	100	50	6	-	-	-	X
CE BD 40	-	ARMOUR, EARLE	DAVIS	- D	16	16	40	16	-	-	W
CE BD 41	-	WEAVER, REGINAL	-	1948 C	45	45	6	-	-	-	X
CE BD 42	-	SMITH, LYMAN	-	- D	27	27	40	27	-	-	W
CE BD 43	-	BROWN, K	-	- D	25	25	36	25	-	-	W
CE BD 44	-	SCHNEIDER, H L	-	- D	65	65	42	65	-	-	W
CE BD 45	-	HEATH, HENRY H SR	-	- D	15	15	36	15	-	-	W
CE BD 46	-	GAMBLE, HARRY	-	1951 D	16	16	36	16	-	-	O
CE BD 47	-	HUDSON, CHARLES	-	- D	30	30	36	30	-	-	W
CE BD 48	-	JACKSON, HAROLD	OWNER	1951 D	12	12	36	12	-	-	O
CE BD 49	-	OIKEMUS, AILI	FREDERICK	1951 D	20	20	36	20	-	-	O
CE BD 50	-	HOLIDAY HOUSE MOTEL	-	1953 D	20	20	36	20	-	-	O
CE BD 51	-	HOLIDAY HOUSE MOTEL	ENNIS	1952 C	40	40	6	39	-	-	X
CE BD 52	-	HOLIDAY HOUSE MOTEL	ENNIS	1952 C	30	30	6	-	-	-	X
CE BD 53	-	TEXACO SERVICE STATION	OWNER	1951 D	45	45	36	45	-	-	O
CE BD 54	-	TODD, ELLIS	-	- D	22	22	32	22	-	-	W
CE BD 55	-	SIMPERS, H	-	- D	22	22	36	22	-	-	W
CE BD 56	-	WOOD, FRANK	-	- D	40	40	36	40	-	-	W
CE BD 58	-	PURO, ELMER	SLAUCH	1945 C	50	50	6	50	-	-	X
CE BD 59	-	PUSCHELL, CHARLES	OWNER	- D	18	18	36	18	-	-	W
CE BD 60	-	LEEMAN, RUDOLPH	-	- D	22	22	36	22	-	-	W
CE BD 61	-	CULLEN, JAMES	ENNIS	1953 J	74	74	6	69	-	69- 74	S
CE BD 62	CE-00-4242	HENSON, WALTER	MORGAN	1949 C	175	175	6	142	-	-	X
CE BD 63	-	TOWN OF NORTH EAST	RINIER	1954 C	164	164	6	149	-	-	X
CE BD 64	CE-02-4346	TOWN OF NORTH EAST	DOUGLASS	1955 H	161	161	6	33	-	-	X
CE BD 65	CE-03-2650	MD STATE POLICE	ARTESIAN	1958 C	182	182	6	79	-	-	X
CE BD 66	CE-03-2845	MD STATE POLICE	ARTESIAN	1958 C	250	250	6	91	-	-	X
CE BD 67	CE-04-5519	BAY VIEW ELEMENTARY SCHOOL	ENNIS	1962 C	188	188	6	26	-	-	X
CE BD 68	CE-04-5892	BAY VIEW ELEMENTARY SCHOOL	ENNIS	1962 C	92	92	6	24	-	-	X
CE BD 69	CE-04-6008	BAY VIEW ELEMENTARY SCHOOL	ENNIS	1962 C	241	241	6	23	-	-	X
CE BD 70	CE-04-6978	BAY VIEW ELEMENTARY SCHOOL	ENNIS	1962 J	40	40	8	24	-	-	X
CE BD 71	CE-05-0165	MD STATE HIGHWAY ADM	WALTON	1963 A	186	186	6	58	-	-	X
CE BD 72	CE-05-1499	MD STATE HIGHWAY ADM	WALTON	1963 A	230	230	6	39	-	-	X
CE BD 73	-	ORDNANCE PRODUCTS INC	-	- D	-	-	-	-	-	-	W
CE BD 74	-	ORDNANCE PRODUCTS INC	-	- C	33	33	6	-	-	-	-
CE BD 75	-	ORDNANCE PRODUCTS INC	-	- D	10	10	-	10	-	-	O
CE BD 76	-	ORDNANCE PRODUCTS INC	-	- D	10	10	-	10	-	-	O
CE BD 77	-	ORDNANCE PRODUCTS INC	-	- D	10	10	-	10	-	-	O
CE BD 78	CE-04-8532	MD STATE HIGHWAY ADM	PRESTON	1962 A	90	90	6	63	-	-	X
CE BD 79	CE-04-8533	MD STATE HIGHWAY ADM	PRESTON	1962 A	100	100	6	68	-	-	X
CE BD 80	CE-73-1752	BURKHEIMER, ROBERT C	HAMILTON	1977 H	144	144	6	47	-	-	X
CE BD 81	CE-81-0234	MARYLAND MANOR MOTEL	HAMILTON	1982 P	150	150	6	65	-	-	X
CE BD 82	CE-01-9148	TRI-STATE MOTOR TRANSIT	RINIER	1955 A	69	69	6	38	-	-	X
CE BD 83	CE-73-3056	DIFFENBACK, PATRICIA	DIFILIPPO	1979 P	100	100	6	65	-	-	X
CE BD 84	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1967 W	40	-	-	-	-	-	-
CE BD 85	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1967 W	35	-	-	-	-	-	-
CE BD 86	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1976 W	45	-	-	-	-	-	-

*Previously published well CE BD 30 has been renumbered CE BE 105.

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
JAMES RUN LOWER	S	370	22.37	09/11/52	23	42	6	07/07/52	1	0.3	H	D	CE BD 7
GILPINS FALLS MBR.	H	360	12	02/20/52	12	15	20	02/20/52	2	6.7	H		CE BD 8
JAMES RUN LOWER	H	361	15	04/15/50	15	20	20	04/15/50	.5	4.0	H	D	CE BD 9
JAMES RUN LOWER	H	380	30	02/04/52	30	50	4	02/04/52	1	.2	H	D	CE BD 10
JAMES RUN LOWER	F	80	20	09/08/52	20	-	7	09/08/52	-	-	C	D	CE BD 11
JAMES RUN LOWER	F	90	50	04/21/52	50	100	5	04/21/52	9	.1	H	D	CE BD 12
JAMES RUN LOWER	F	35	23	02/06/51	23	45	15	02/06/51	1	.7	H	D	CE BD 13
JAMES RUN LOWER	F	65	15	08/16/52	15	-	5	08/16/52	-	-	C	D	CE BD 14
JAMES RUN LOWER	F	30	20	10/03/51	20	-	5	10/03/51	-	-	H	D	CE BD 15
JAMES RUN LOWER	S	165	14	06/04/52	14	100	.8	06/04/52	-	<.1	S	D	CE BD 16
JAMES RUN LOWER	S	190	14	05/07/52	14	50	4	05/07/52	-	.1	H	D	CE BD 17
JAMES RUN LOWER	F	30	21.49	09/10/63	11.68	-	39	07/09/52	1	-	P	D	CE BD 18
JAMES RUN LOWER	F	20	11.33	07/09/52	12.30	177	19	01/26/53	23	.1	P	D	CE BD 19
POTOMAC	F	20	-	-	-	-	50	03/00/48	-	-	U	D	CE BD 20
POTOMAC	F	5	-	-	-	-	90	03/29/48	-	-	U	D	CE BD 21
POTOMAC	F	5	-	-	-	-	-	-	-	-	U	D	CE BD 22
POTOMAC	F	20	4.50	07/20/52	6.50	-	33	07/20/51	24	-	P	D	CE BD 23
JAMES RUN LOWER	F	15	10.22	07/09/52	10.22	-	80	07/09/52	-	-	P		CE BD 24
PENSAUKEN	F	35	5.21	01/27/53	-	-	-	-	-	-	H		CE BD 25
POTOMAC	S	100	35	10/14/46	35	-	15	10/14/46	3	-	H	D	CE BD 26
JAMES RUN LOWER	F	60	37	05/22/53	37	75	6	05/22/53	8	.2	C	D	CE BD 27
JAMES RUN LOWER	F	90	10.50	04/30/53	10.50	50	12	04/30/53	8	.3	P	D	CE BD 28
JAMES RUN LOWER	F	75	14	10/24/52	14	80	5	10/24/52	16	<.1	C	D	CE BD 29
GILPINS FALLS MBR.	F	390	25	03/13/75	25	120	10	03/13/75	2	.1	T	D	CE BD 30
JAMES RUN LOWER	F	18	20	09/23/52	20	40	6	09/23/52	-	.3	H	D	CE BD 31
GILPINS FALLS MBR.	F	325	15	12/09/52	15	20	5	12/09/52	8	1.0	H	D	CE BD 35
JAMES RUN LOWER	F	150	-	-	-	-	-	-	-	-	N		CE BD 36
JAMES RUN LOWER	F	150	-	-	-	-	-	-	-	-	N		CE BD 37
JAMES RUN LOWER	F	158	-	-	-	-	-	-	-	-	N		CE BD 38
JAMES RUN LOWER	F	150	12	08/13/53	-	-	-	-	-	-	N		CE BD 39
POTOMAC	S	240	-	-	-	-	-	-	-	-	H		CE BD 40
JAMES RUN UPPER	S	262	-	-	-	-	-	-	-	-	H		CE BD 41
GILPINS FALLS MBR.	S	357	12.30	08/13/53	-	-	-	-	-	-	H		CE BD 42
JAMES RUN LOWER	S	335	19.65	08/13/53	-	-	-	-	-	-	H		CE BD 43
POTOMAC	S	350	-	-	-	-	-	-	-	-	H		CE BD 44
JAMES RUN LOWER	V	95	12.50	08/13/53	-	-	-	-	-	-	H		CE BD 45
GILPINS FALLS MBR.	F	375	14	09/09/53	-	-	-	-	-	-	H		CE BD 46
JAMES RUN LOWER	S	385	27	08/00/53	-	-	-	-	-	-	H		CE BD 47
POTOMAC	S	270	9	00/00/51	-	-	-	-	-	-	H		CE BD 48
POTOMAC	S	230	18	08/00/53	-	-	-	-	-	-	H		CE BD 49
POTOMAC	F	90	14.07	09/09/53	-	-	-	-	-	-	C		CE BD 50
JAMES RUN LOWER	F	90	-	-	-	-	-	-	-	-	U	D	CE BD 51
JAMES RUN LOWER	F	90	-	-	-	-	-	-	-	-	U		CE BD 52
POTOMAC	F	115	10	00/00/51	-	-	-	-	-	-	C		CE BD 53
POTOMAC	H	145	20.50	11/27/53	-	-	-	-	-	-	H		CE BD 54
PENSAUKEN	H	160	18	11/27/53	-	-	-	-	-	-	H		CE BD 55
JAMES RUN LOWER	F	60	-	-	-	-	-	-	-	-	H		CE BD 56
JAMES RUN LOWER	S	80	-	-	-	-	3	-	-	-	H		CE BD 58
POTOMAC	F	122	16	11/27/53	-	-	-	-	-	-	H		CE BD 59
POTOMAC	H	185	16	11/27/53	-	-	-	-	-	-	H		CE BD 60
POTOMAC	F	7	6	01/06/53	6	64	60	01/06/53	-	1.0	H	D	CE BD 61
JAMES RUN LOWER	S	82	20	07/20/49	20	130	5	07/20/49	6	<.1	H		CE BD 62
JAMES RUN LOWER	F	8	7.66	09/10/63	-	-	30	07/00/54	-	-	P		CE BD 63
JAMES RUN LOWER	F	10	20	11/25/55	20	100	100	11/25/55	50	1.3	P	D	CE BD 64
PORT DEPOSIT GNEISS	F	80	13	10/29/58	13	150	3	10/29/58	24	<.1	U	D ,WC	CE BD 65
JAMES RUN LOWER	F	80	14.50	12/00/58	14.50	152	1	12/00/58	12	<.1	T	D	CE BD 66
GILPINS FALLS MBR.	F	285	17	01/11/62	17	-	5	01/11/62	16	-	T	D	CE BD 67
GILPINS FALLS MBR.	F	285	17	01/23/62	17	-	4	01/23/62	16	-	T	D	CE BD 68
GILPINS FALLS MBR.	S	265	15	04/09/62	15	-	5	04/09/62	24	-	T	D	CE BD 69
GILPINS FALLS MBR.	W	270	6	05/02/62	6	-	12	05/02/62	16	-	T	D	CE BD 70
JAMES RUN UPPER	F	270	14.74	05/15/63	26	-	5	02/23/63	-	-	T	D	CE BD 71
JAMES RUN UPPER	W	250	4.96	05/15/63	4	162	4	03/27/63	18	<.1	T	D,QH	CE BD 72
POTOMAC	S	160	-	-	-	-	-	-	-	-	N		CE BD 73
POTOMAC	W	140	12.22	10/11/63	-	-	-	-	-	-	N		CE BD 74
POTOMAC	W	165	-	-	-	-	-	-	-	-	N		CE BD 75
POTOMAC	W	165	-	-	-	-	-	-	-	-	N	S	CE BD 76
POTOMAC	W	165	6.40	10/11/63	-	-	-	-	-	-	C		CE BD 77
GILPINS FALLS MBR.	F	335	30	06/02/62	30	-	4	06/02/62	-	-	H	D	CE BD 78
GILPINS FALLS MBR.	F	320	35	06/05/62	35	-	8	06/05/62	-	-	H	D	CE BD 79
JAMES RUN LOWER	F	75	20	08/19/77	20	144	12	08/19/77	2	<.1	C	D	CE BD 80
JAMES RUN LOWER	F	75	25	03/16/82	25	150	25	03/16/82	3	.2	C	D	CE BD 81
JAMES RUN LOWER	F	90	25	07/13/55	25	-	10	07/13/55	-	-	C	D	CE BD 82
JAMES RUN LOWER	F	95	40	07/23/79	40	75	5	07/23/79	2	.1	H	D	CE BD 83
-	V	10	.50	05/18/67	-	-	-	-	-	-	U	D	CE BD 84
-	V	13	5	05/08/67	-	-	-	-	-	-	U	D	CE BD 85
-	F	55	5	11/19/76	-	-	-	-	-	-	U	D	CE BD 86

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BD 87	CE-72-0083	FOLTY, WARD	HAMILTON	1971 H	163	163	6	39	-	-	X
CE BD 88	CE-72-0164	CRANE, FRANK W	HAMILTON	1971 H	64	64	6	13	-	-	X
CE BD 89	-	KARSCHNER, HAROLD C	-	- D	30	30	48	30	-	-	W
CE BD 90	CE-73-1877	SHIVERY ENTERPRISES	WALTON	1976 P	155	155	5	53	-	-	X
CE BD 91	CE-03-9736	CHUCK HOUSE RESTAURANT	BARBER	1960 C	61	61	6	24	-	-	X
CE BD 92	CE-73-2618	CHUCK HOUSE RESTAURANT	DIFILIPPO	1977 P	102	102	6	23	-	-	X
CE BD 93	-	CECIL CO CENTRAL LANDFILL	HARDIN	1978 B	50	50	2	47	2	47- 50	S
CE BD 94	-	CECIL CO CENTRAL LANDFILL	HARDIN	1978 B	50	47	2	44	2	44- 47	S
CE BD 95	-	CECIL CO CENTRAL LANDFILL	HARDIN	1978 B	50	46	2	42	2	42- 46	S
CE BD 96	CE-70-0147	VOCATIONAL TECHNICAL SCHOOL	BROWN	1969 H	222	222	6	46	-	-	X
CE BD 97	CE-73-0560	VOCATIONAL TECHNICAL SCHOOL	BROWN	1973 A	145	145	6	35	-	-	X
CE BD 98	CE-73-1423	BAY VIEW ELEMENTARY SCHOOL	BROWN	1976 A	185	185	6	47	-	-	X
CE BD 99	CE-73-3547	VOCATIONAL TECHNICAL SCHOOL	BROWN	1980 A	310	310	6	44	-	-	X
CE BD 100	CE-72-0318	CHANTILLY MANOR COUNTRY CL	HAMILTON	1972 H	87	87	6	36	-	-	X
CE BD 101	CE-71-0224	CHANTILLY MANOR COUNTRY CL	HAMILTON	1971 H	51	51	6	33	-	-	X
CE BD 102	CE-71-0228	CHANTILLY MANOR COUNTRY CL	HAMILTON	1971 H	43	43	6	11	-	-	X
CE BD 103	CE-71-0227	CHANTILLY MANOR COUNTRY CL	HAMILTON	1971 H	76	76	6	40	-	-	X
CE BD 104	CE-71-0154	CECIL COMMUNITY COLLEGE	HAMILTON	1971 A	165	165	6	21	-	-	X
CE BD 105	CE-73-2682	CECIL COMMUNITY COLLEGE	MD DRILLING	1978 P	210	210	6	33	-	-	X
CE BD 106	CE-73-3565	CECIL COMMUNITY COLLEGE	BROWN	1980 A	255	255	6	42	-	-	X
CE BD 107	CE-81-0143	WARNER, WILLIAM D	REIDER	1982 A	260	260	6	60	-	-	X
CE BD 108	CE-66-0538	BAY VIEW HIGHTS AUCTION	P & H	1966 A	75	75	6	40	-	-	X
CE BD 109	CE-68-0082	BAY VIEW MACHINE SHOP	P & H	1967 P	136	136	6	45	-	-	X
CE BD 110	CE-73-1219	BAY VIEW METHODIST CHURCH	DIFILIPPO	1975 P	63	63	6	20	-	-	X
CE BD 111	CE-73-3459	AKERS, VERNON A	HAMILTON	1980 H	105	105	6	27	-	-	X
CE BD 112	CE-02-3725	MANSION HOUSE APARTMENTS	MAYBERRY	1956 C	60	60	6	47	-	-	X
CE BD 113	CE-05-3189	MANSION HOUSE APARTMENTS	PRESTON	1963 A	70	70	6	50	-	-	X
CE BD 114	CE-05-7472	MANSION HOUSE APARTMENTS	DIFILIPPO	1964 C	78	78	6	62	-	-	X
CE BD 115	-	MARYLAND MATERIALS	OWNER	- -	95	95	6	-	-	-	X
CE BD 116	CE-73-2845	MITCHELL,E STEWART INC	DIFILIPPO	1979 P	200	200	6	21	-	-	X
CE BD 117	CE-71-0111	ROCK CREEK MOBILE PARK	HAMILTON	1970 H	145	145	6	17	-	-	X
CE BD 118	CE-71-0156	ROCK CREEK MOBILE PARK	HAMILTON	1970 H	105	105	6	18	-	-	X
CE BD 119	CE-71-0157	ROCK CREEK MOBILE PARK	HAMILTON	1970 H	105	105	6	19	-	-	X
CE BD 120	CE-71-0229	STONY CHASE TRAILER COURT	BROWN	1971 H	150	150	6	20	-	-	X
CE BD 121	CE-73-1009	STONY CHASE TRAILER COURT	DIFILIPPO	1974 P	430	430	6	23	-	-	X
CE BD 122	CE-69-0035	STONY CHASE TRAILER COURT	LEASURE	1968 A	63	63	6	33	-	-	X
CE BD 123	CE-70-0253	STONY CHASE TRAILER COURT	BROWN	1970 H	168	168	6	20	-	-	X
CE BD 124	CE-73-3059	STONY CHASE TRAILER COURT	DIFILIPPO	1979 P	390	390	6	21	-	-	X
CE BD 125	CE-69-0326	STONY CHASE TRAILER COURT	BROWN	1969 A	207	207	6	20	-	-	X
CE BD 126	CE-73-0188	STONY CHASE TRAILER COURT	DIFILIPPO	1972 P	300	300	6	10	-	-	X
CE BD 127	CE-73-2286	TRI-STATE MOTOR TRANSIT	DIFILIPPO	1978 P	204	204	6	83	-	-	X
CE BD 128	CE-81-0444	ROSENBERG, CHARLES	BROWN	1982 A	265	265	6	52	-	-	X
CE BD 129	CE-73-2674	ANCHOR BOATS	WALTON	1979 P	370	370	6	53	-	-	X
CE BD 130	CE-73-2358	C & D GRAIN CO	DIFILIPPO	1977 P	214	214	6	40	-	-	X
CE BD 131	CE-73-3103	LITZENBERG, JOHN	WALTON	1979 P	280	280	6	61	-	-	X
CE BD 132	CE-04-0106	RANCH MOTEL	BARBER	1960 C	62	62	6	34	-	-	X
CE BD 133	CE-81-0040	LINDY'S RESTAURANT	WALTON	1982 P	300	300	6	52	-	-	X
CE BD 134	CE-02-5204	MADISON HOUSE RESTAURANT	PRESTON	1956 A	140	140	6	32	-	-	X
CE BD 135	CE-73-1717	HAMILTON, G. PAGE	HAMILTON	1976 H	84	84	6	34	-	-	X
CE BD 136	CE-73-2533	TRAURIG, CHARLES	SEWARD	1978 B	38	38	36	38	-	-	O
CE BD 137	CE-69-0329	N E BAPTIST CHURCH	P & H	1969 A	99	99	6	63	-	-	X
CE BD 138	CE-67-0387	SCHROEDERS LIQUORS	BROWN	1967 A	93	93	6	15	-	-	X
CE BD 139	CE-73-1176	PENINSULA INDUSTRIAL PARK	DIFILIPPO	1975 P	128	128	6	40	-	-	X
CE BD 140	CE-70-0122	GREEN ACRES HOTEL	JONES	1970 C	98	98	6	30	-	-	X
CE BD 141	CE-68-0118	FOLEY'S PRIME SIDE	BROWN	1967 A	122	122	6	-	-	-	X
CE BD 142	CE-81-0383	DAVIS, VIRGINIA	DIFILIPPO	1982 A	78	78	6	71	-	71- 78	S
CE BD 143	CE-73-3322	YOUNGBLOOD, DARREL	BROWN	1980 A	238	238	6	65	-	-	X
CE BE 1	CE-01-0355	CHERRY HILL SCHOOL	SLAUCH	1952 C	73	73	6	34	-	-	X
CE BE 2	CE-01-0509	SINCLAIR SERVICE STATION	BROWN	1952 C	110	110	6	40	-	-	X
CE BE 3	CE-00-5064	ERICKSON, JOHN	MORGAN	1949 C	31	31	6	26	-	-	X
CE BE 4	CE-01-0356	LEEDS SCHOOL	SLAUCH	1952 C	65	65	6	54	-	-	X
CE BE 5	CE-00-7003	CARROLL, ARNOLD	SLAUCH	1950 C	65	65	6	61	-	-	X
CE BE 6	CE-00-9285	SAPP, HOWARD	UNRUH	1951 C	108	108	4	100	3	100- 108	S
CE BE 7	CE-00-5365	CONWAY, FRANK	RINIER	1950 C	151	149	6	149	-	-	O
CE BE 8	CE-00-8455	BOWERS, EUGENE	RINIER	1951 C	85	85	6	75	4	75- 80	S
CE BE 9	CE-01-1094	JUSTICE, GEORGE	WALTON	1952 C	115	115	6	69	-	-	X
CE BE 10	-	ADKINS, CLYDE	-	- D	23	23	42	23	-	-	W
CE BE 11	-	SIMPERS, HATTIE	-	- D	45	45	54	45	-	-	W
CE BE 12	-	LUSBY, W A	-	- D	34	34	36	34	-	-	W
CE BE 13	-	PUGH, LESTER	-	1949 D	13	13	42	13	-	-	O
CE BE 14	-	SMITH, PAUL	-	- D	21	21	36	21	-	-	W
CE BE 15	-	PRICE, WILLIAM	-	- D	34	34	48	34	-	-	W
CE BE 16	CE-01-1182	TRUITT, JOHN	SLAUCH	1952 C	39	39	6	16	-	-	X
CE BE 17	-	ARUNDEL CORPORATION	-	- D	13	13	48	13	-	-	W
CE BE 18	CE-00-1026	MD STATE HIGHWAY ADM	ENNIS	1947 J	63	63	6	53	-	53- 63	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
JAMES RUN LOWER	V	55	20	07/30/71	20	-	2	07/30/71	1	-	H	D	CE BD 87
JAMES RUN LOWER	H	342	27.29	02/28/83	20	-	35	11/22/71	1	-	H	D,QH	CE BD 88
POTOMAC	H	228	23.22	09/29/82	-	-	-	-	-	-	H		CE BD 89
JAMES RUN LOWER	F	50	30	10/25/76	30	100	10	10/25/76	4	0.1	C	D	CE BD 90
JAMES RUN LOWER	F	45	23	07/22/60	23	55	6	07/22/60	4	.2	C	D	CE BD 91
JAMES RUN LOWER	F	45	20	02/25/77	20	80	4	02/25/77	2	<.1	C	D	CE BD 92
POTOMAC	S	186	31.50	06/12/78	-	-	-	-	-	-	U	D	CE BD 93
POTOMAC	S	158	45.50	06/13/78	-	-	-	-	-	-	U	D	CE BD 94
POTOMAC	S	105	44.50	06/13/78	-	-	-	-	-	-	U	D	CE BD 95
GILPINS FALLS MBR.	W	265	8	10/31/69	8	68	14	10/31/69	48	.2	T	D,QH	CE BD 96
GILPINS FALLS MBR.	F	280	25	08/20/73	25	105	18	08/20/73	3	.2	T	D	CE BD 97
GILPINS FALLS MBR.	F	282	20	01/30/76	20	60	37	01/30/76	3	.9	T	D	CE BD 98
GILPINS FALLS MBR.	F	285	15	09/19/80	15	200	12	09/19/80	2	<.1	T	D	CE BD 99
GILPINS FALLS MBR.	W	318	3	04/26/72	3	-	18	04/26/72	1	-	C	D	CE BD 100
GILPINS FALLS MBR.	W	318	4	04/30/71	4	-	15	04/30/71	1	-	C	D	CE BD 101
JAMES RUN UPPER	S	345	4	04/30/71	4	-	50	04/30/71	1	-	C	D	CE BD 102
JAMES RUN UPPER	S	345	12	05/04/71	12	-	30	05/04/71	1	-	C	D	CE BD 103
GILPINS FALLS MBR.	S	280	6	01/18/71	6	-	25	01/18/71	24	-	T	D	CE BD 104
GILPINS FALLS MBR.	H	330	18	09/01/78	18	61	10	09/01/78	8	.2	T	D	CE BD 105
GILPINS FALLS MBR.	S	280	50	10/06/80	50	70	50	10/06/80	2	2.5	T	D	CE BD 106
JAMES RUN LOWER	F	400	27	02/02/82	27	260	5	02/02/82	4	<.1	H	D	CE BD 107
JAMES RUN LOWER	F	375	30	05/03/66	30	-	12	05/03/66	-	-	C	D	CE BD 108
JAMES RUN LOWER	S	360	8	10/16/67	8	-	6	10/16/67	-	-	C	D	CE BD 109
GILPINS FALLS MBR.	H	380	25	06/11/75	25	-	30	06/11/75	2	-	T	D	CE BD 110
GILPINS FALLS MBR.	H	385	22	08/07/80	22	105	6	08/07/80	3	<.1	H	D	CE BD 111
GILPINS FALLS MBR.	F	370	20	06/27/56	20	55	45	06/27/56	.5	1.3	P	D	CE BD 112
GILPINS FALLS MBR.	F	370	28	03/07/63	28	-	6	03/07/63	-	-	P	D	CE BD 113
GILPINS FALLS MBR.	F	370	8	05/20/64	8	50	6	05/20/64	2	.1	P	D	CE BD 114
JAMES RUN UPPER	V	180	-	-	-	-	-	-	-	-	H		CE BD 115
JAMES RUN UPPER	F	260	10	01/11/79	10	200	20	01/11/79	2	.1	N	D	CE BD 116
GILPINS FALLS MBR.	F	320	35	12/07/70	35	-	3	12/07/70	-	-	P	D	CE BD 117
GILPINS FALLS MBR.	F	320	35	12/07/70	35	-	3	12/07/70	2	-	P	D	CE BD 118
GILPINS FALLS MBR.	F	320	35	12/07/70	35	-	6	12/07/70	2	-	P	D	CE BD 119
GILPINS FALLS MBR.	S	215	14	04/16/71	14	60	9	04/16/71	1	.2	P	D	CE BD 120
GILPINS FALLS MBR.	S	215	22	09/13/74	22	400	7	09/13/74	2	<.1	P	D	CE BD 121
GILPINS FALLS MBR.	S	215	18	08/00/68	18	57	8	08/00/68	12	.2	P	D	CE BD 122
GILPINS FALLS MBR.	S	215	18	06/12/70	18	78	8	06/12/70	1	.1	P	D	CE BD 123
GILPINS FALLS MBR.	F	330	40	07/18/79	40	200	30	07/18/79	2	.2	P	D	CE BD 124
GILPINS FALLS MBR.	F	330	38	06/16/69	38	160	5	06/16/69	2	<.1	P	D	CE BD 125
GILPINS FALLS MBR.	F	330	52	10/20/72	52	100	15	10/20/72	4	.3	P	D	CE BD 126
JAMES RUN LOWER	F	95	60	01/26/78	60	100	30	01/26/78	3	.8	C	D	CE BD 127
JAMES RUN LOWER	F	85	38	11/08/82	38	205	4	11/08/82	6	<.1	H	D	CE BD 128
JAMES RUN LOWER	F	35	25	01/09/79	25	350	4	01/09/79	4	<.1	C	D	CE BD 129
JAMES RUN LOWER	F	62	50	08/02/77	50	150	3	08/02/77	2	<.1	C	D	CE BD 130
JAMES RUN LOWER	F	62	15	08/29/79	15	260	3	08/29/79	4	<.1	C	D	CE BD 131
JAMES RUN LOWER	F	60	32	08/15/60	32	60	5	08/15/60	3	.2	C	D	CE BD 132
JAMES RUN LOWER	F	75	30	02/10/82	30	200	15	02/10/82	4	<.1	C	D	CE BD 133
JAMES RUN LOWER	F	70	40	10/29/56	40	-	25	10/29/56	-	-	C	D	CE BD 134
JAMES RUN LOWER	S	120	15	07/15/76	15	84	6	07/15/76	2	<.1	C	D	CE BD 135
POTOMAC	F	75	21	07/07/78	21	32	10	07/07/78	2	.9	C	D	CE BD 136
JAMES RUN LOWER	F	110	30	07/11/69	30	-	4	07/11/69	-	-	H	D	CE BD 137
GILPINS FALLS MBR.	F	212	29	06/22/67	29	80	5	06/22/67	3	<.1	C	D	CE BD 138
JAMES RUN LOWER	F	150	-	-	-	60	12	05/07/75	2	-	C	D	CE BD 139
JAMES RUN LOWER	F	80	25	03/20/70	25	85	20	03/20/70	2	.3	C	D	CE BD 140
JAMES RUN LOWER	F	70	14	12/11/67	14	75	12	12/11/67	2	.2	C	D	CE BD 141
POTOMAC	F	6	30	08/07/82	30	50	8	08/07/82	6	.4	H	D	CE BD 142
JAMES RUN LOWER	H	85	35	03/21/80	35	40	500	03/21/80	1	100.0	H	D	CE BD 143
JAMES RUN LOWER	F	235	12	08/22/52	12	-	5	08/22/52	1	-	T	D	CE BE 1
JAMES RUN LOWER	F	225	27.07	09/09/52	12	65	5	07/14/52	1	<.1	C		CE BE 2
JAMES RUN LOWER	S	140	22	12/15/49	22	24	5	12/15/49	3	2.5	H	D	CE BE 3
JAMES RUN LOWER	S	230	30	08/01/52	30	-	15	08/01/52	1	-	T	D	CE BE 4
SERPENTINITE-GABBRO	F	110	15	11/16/50	15	35	20	11/16/50	1	1.0	H	D	CE BE 5
POTOMAC	S	135	80	09/00/51	81	95	10	09/00/51	6	.7	H	D	CE BE 6
POTOMAC	S	110	80	02/25/50	80	-	20	02/25/50	-	-	H		CE BE 7
POTOMAC	S	122	20	09/05/51	20	-	12	09/05/51	6	-	H	D	CE BE 8
SERPENTINITE-GABBRO	F	100	35	10/04/52	35	90	4	10/04/52	4	<.1	H	D	CE BE 9
POTOMAC	S	350	12.90	12/09/52	-	-	-	-	-	-	H		CE BE 10
POTOMAC	H	260	13	12/09/52	-	-	-	-	-	-	H		CE BE 11
POTOMAC	S	260	25.72	12/09/52	-	-	-	-	-	-	H		CE BE 12
POTOMAC	H	318	3.62	12/09/52	-	-	-	-	-	-	H		CE BE 13
POTOMAC	F	190	16.54	12/10/52	-	-	-	-	-	-	H		CE BE 14
POTOMAC	S	165	30.82	12/10/52	-	-	-	-	-	-	H		CE BE 15
GNEISS (MISC.)	S	190	20.88	04/08/53	24	28	10	11/22/52	1	2.5	H	D	CE BE 16
PLEISTOCENE	F	15	12.65	07/14/53	-	-	-	-	-	-	H		CE BE 17
POTOMAC	F	30	18	05/16/47	18	60	18	05/16/47	23	.4	T	D,QH	CE BE 18

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BE 19	-	LEE, IRA	-	- D	29	29	38	29	-	-	W
CE BE 20	-	ELKTON CO	PARKHURST	1942 D	22	22	72	22	-	-	W
CE BE 21	-	ELKTON CO	PARKHURST	1942 D	22	22	72	22	-	-	W
CE BE 22	-	ELKTON CO	PARKHURST	1942 D	22	22	72	22	-	-	W
CE BE 23	-	ELKTON CO	PARKHURST	1942 D	37	37	72	37	-	-	W
CE BE 24	-	ELKTON CO	PARKHURST	1942 D	22	22	72	22	-	-	W
CE BE 25	-	ELKTON CO	PARKHURST	1942 C	200	200	6	-	-	-	-
CE BE 26	CE-00-3587	FOSSETT, J W	RINIER	1949 C	85	85	6	75	-	-	-
CE BE 27	-	FOSSETT, J W	-	- D	35	35	45	35	-	-	W
CE BE 28	CE-00-1910	SCHMIDT, GEORGE	ENNIS	1947 J	91	80	6	75	4	75- 80	S
CE BE 29	-	THIOKOL CORP	ENNIS	1942 C	81	79	6	74	4	74- 79	S
CE BE 30	-	THIOKOL CORP	ENNIS	1942 C	107	102	6	93	4	93- 102	S
CE BE 31	-	GEIGY CO INC	ENNIS	1942 C	107	101	6	91	4	91- 101	S
CE BE 32	-	LOOMIS, ROBERT	HOKUS	1935 D	87	87	48	87	-	-	W
CE BE 33	CE-01-1947	LEEDS METHODIST CHURCH	SLAUCH	1953 C	67	67	6	53	-	-	X
CE BE 34	CE-00-4654	JONES, HOWARD	MCDOUGAL	1949 C	100	100	6	58	-	-	X
CE BE 35	-	ELK PAPER MFG CO	ENNIS	1950 C	30	30	6	22	-	-	X
CE BE 36	-	HERRON, FRED	OWNER	1950 D	12	12	40	12	-	-	O
CE BE 37	CE-00-4746	BROOKS, W G	EILER	1949 C	116	116	5	116	-	-	O
CE BE 38	CE-00-3176	DI LORENZO, TONY	MORGAN	1948 C	294	294	6	-	-	-	X
CE BE 39	CE-00-4685	TRADE WINDS LOUNGE	ENNIS	1949 C	125	125	6	115	-	120- 125	S
CE BE 40	-	NILSON, ADOLF	OWNER	1944 D	26	26	24	26	-	-	O
CE BE 41	-	THOMAS, H C	-	1898 D	45	45	42	45	-	-	O
CE BE 42	-	REEVES, WILLIAM	-	1947 D	22	22	42	22	-	-	O
CE BE 43	CE-00-4256	CULVER, R L	RINIER	1949 C	90	85	6	85	-	-	O
CE BE 44	-	GEIGY CO INC	ENNIS	1942 C	92	92	6	81	-	81- 92	S
CE BE 45	-	THIOKOL CORP	ENNIS	- C	96	96	6	86	-	86- 96	S
CE BE 46	CE-00-1472	COLUMBIA MFG CO	ENNIS	1947 C	210	210	6	-	-	-	X
CE BE 47	-	SHADE, THEODORE O	ENNIS	1952 C	38	38	4	34	4	34- 38	S
CE BE 48	-	RACINE, W C	ENNIS	1944 J	129	129	4	-	-	-	S
CE BE 49	-	MARTIN, HARRY	ENNIS	1944 J	80	80	4	75	3	75- 80	S
CE BE 50	-	STEELE'S MOTEL	SLAUCH	1946 J	125	125	-	-	-	-	S
CE BE 51	-	VAN DYKE, JOSEPH	DOUGLAS	1955 C	177	177	4	177	-	-	O
CE BE 52	-	OBLATE NOVITIATE	-	1910 C	216	216	-	60	-	-	X
CE BE 53	-	OBLATE NOVITIATE	-	1935 C	90	90	-	30	-	-	X
CE BE 54	CE-01-7415	DAVIS, ERNEST	ENNIS	1955 C	46	46	6	12	-	-	X
CE BE 55	-	WHEELER, A P	-	- D	19	19	36	19	-	-	-
CE BE 56	CE-01-8877	OLIN MATHIESON CORP	ENNIS	1955 C	107	104	6	99	-	99- 104	S
CE BE 57	CE-05-3888	ELKTON INDUSTRIAL PARK	IDEAL	1963 H	92	-	-	-	-	-	-
CE BE 58	CE-05-3893	ELKTON INDUSTRIAL PARK	IDEAL	1963 H	82	60	4 4	22 60	4	22- 45	S
CE BE 59	CE-05-5393	ELKTON INDUSTRIAL PARK	IDEAL	1963 H	78	75	4 4 4	35 52 75	4 4	35- 47 52- 63	S
CE BE 60	CE-05-5394	ELKTON INDUSTRIAL PARK	IDEAL	1963 H	87	-	-	-	-	-	-
CE BE 61	-	ELKTON INDUSTRIAL PARK	IDEAL	1963 H	61	61	8	-	-	-	S
CE BE 62	CE-02-3091	COLTON CHEMICAL CO	SHANNAHAN	1956 H	129	129	-	-	-	-	-
CE BE 63	CE-02-3092	COLTON CHEMICAL CO	SHANNAHAN	1956 H	102	102	-	-	-	-	-
CE BE 64	CE-02-3093	COLTON CHEMICAL CO	SHANNAHAN	1956 H	101	101	-	-	-	-	-
CE BE 65	CE-73-3821	SHMEO, MICHAEL	KIRK	1981 C	270	270	6	168	-	-	X
CE BE 66	CE-73-0276	Y M C A	NEWNAM	1973 C	118	118	6 4	107 108	6	108- 118	S
CE BE 67	CE-01-9347	Y M C A	MCNATT	1955 J	111	111	4	101	4	101- 111	S
CE BE 68	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1965 W	45	-	-	-	-	-	-
CE BE 69	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1977 B	25	-	-	-	-	-	-
CE BE 70	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1977 W	40	-	-	-	-	-	-
CE BE 71	CE-73-1004	MARANATHA BAPTIST CHURCH	NEWNAM	1974 C	180	180	4 2	167 175	3	175- 180	S
CE BE 72	CE-73-0027	FELLOWSHIP BAPTIST CHURCH	DIFILIPPO	1973 P	95	95	6	90	6	90- 95	S
CE BE 73	CE-81-0464	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	181	152	2	147	2	147- 152	S
CE BE 74	CE-81-0464	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	181	115	2	110	2	110- 115	S
CE BE 75	CE-73-2445	LOYAL ORDER OF MOOSE 851	DIFILIPPO	1977 P	400	400	6	116	-	-	X
CE BE 76	CE-73-0274	LOYAL ORDER OF MOOSE 851	HAMILTON	1973 H	185	185	6	115	-	-	X
CE BE 77	CE-81-0382	STRONG, HARRY L	DIFILIPPO	1982 P	85	85	6	58	-	-	X
CE BE 78	CE-73-2963	UNITED METH CH CHERRYHILL	DIFILIPPO	1979 P	122	122	6	40	-	-	X
CE BE 80	CE-71-0094	MD SAND & GRAVEL	HAMILTON	1970 H	40	40	4	36	4	36- 40	S
CE BE 81	CE-68-0199	SUMMERS, LESTER R	NEWNAM	1968 J	75	75	6 4	66 70	4	70- 75	S
CE BE 82	CE-71-0058	TRI STATE DISCOUNT	HAMILTON	1970 H	112	112	4	107	4	107- 112	S
CE BE 83	CE-66-0047	SWAIN, BOB	SLAUCH	1965 C	575	575	6	205	-	-	X
CE BE 84	CE-01-6630	CEDAR APARTMENTS	DOUGLAS	1954 C	123	123	6	118	6	118- 123	S
CE BE 85	CE-73-0342	SMITH'S APARTMENTS	DIFILIPPO	1978 P	100	100	6	95	6	95- 100	S
CE BE 86	CE-70-0005	PYROFAX GAS CO	KIELKOPF	1969 H	88	88	4	84	4	84- 88	S
CE BE 87	CE-05-4520	DAVIS CONCRETE CO	ENNIS	1963 J	90	86	4	81	4	81- 86	S
CE BE 88	CE-05-6739	DAVIS CONCRETE CO	ENNIS	1964 J	127	90	4	85	4	85- 90	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	H	105	26.26	07/29/53	-	-	-	-	-	-	H		CE BE 19
POTOMAC	F	25	6	00/00/42	-	18.55	80	02/22/43	-	6.4	N		CE BE 20
POTOMAC	F	25	6	00/00/42	-	-	-	-	-	-	N	D	CE BE 21
POTOMAC	F	25	6	00/00/42	-	-	-	-	-	-	N	D	CE BE 22
POTOMAC	F	25	6	00/00/42	-	-	-	-	-	-	N	D	CE BE 23
POTOMAC	F	25	6	00/00/42	-	-	-	-	-	-	N	D	CE BE 24
POTOMAC	F	40	-	-	-	-	-	-	-	-	N		CE BE 25
POTOMAC	H	150	20	03/15/49	20	-	5	03/15/49	-	-	H	D	CE BE 26
POTOMAC	H	150	20.42	08/11/53	-	-	-	-	-	-	H		CE BE 27
POTOMAC	F	65	50	11/00/47	50	78	40	11/00/47	16	1.4	H	D	CE BE 28
POTOMAC	F	65	47.84	08/11/53	55	76	10	02/25/42	-	.5	N	D	CE BE 29
POTOMAC	F	55	-	-	-	-	-	-	-	-	C	D	CE BE 30
POTOMAC	F	65	55	00/00/42	-	-	-	-	-	-	C	D	CE BE 31
POTOMAC	S	170	82.66	08/11/53	-	-	-	-	-	-	H		CE BE 32
JAMES RUN LOWER	H	245	40	04/02/53	-	-	-	-	-	-	H	D	CE BE 33
JAMES RUN LOWER	H	225	30	11/09/49	30	80	4	11/09/49	2	<.1	H	D	CE BE 34
JAMES RUN LOWER	S	120	-	-	-	-	30	12/15/50	-	-	N	D	CE BE 35
POTOMAC	F	75	9.99	08/12/53	-	-	-	-	-	-	H		CE BE 36
POTOMAC	S	160	85	00/00/49	85	90	5	00/00/49	8	1.0	H	D	CE BE 37
SERPENTINITE-GABBRO	F	55	150	12/10/48	150	170	50	12/10/48	6	2.5	C		CE BE 38
POTOMAC	F	55	36	09/15/49	36	80	50	09/15/49	-	1.1	C	D	CE BE 39
POTOMAC	S	170	25.02	09/09/53	-	-	-	-	-	-	H		CE BE 40
POTOMAC	F	160	38.02	09/09/53	-	-	-	-	-	-	S		CE BE 41
POTOMAC	F	170	19.29	11/29/82	-	-	-	-	-	-	H		CE BE 42
POTOMAC	F	130	35	07/08/49	35	40	12	07/08/49	4	2.4	H	D	CE BE 43
POTOMAC	H	100	53	07/06/42	-	-	-	-	-	-	H	D	CE BE 44
POTOMAC	H	65	-	-	-	-	-	-	-	-	H	D	CE BE 45
JAMES RUN LOWER	S	70	-	-	-	-	-	-	-	-	C	D	CE BE 46
POTOMAC	S	50	25	10/16/52	25	37	30	10/16/52	-	2.5	H	D	CE BE 47
POTOMAC	F	109	-	-	-	-	-	-	-	-	H		CE BE 48
POTOMAC	F	74	58	11/28/44	58	68	30	11/28/44	-	3.0	H	D	CE BE 49
POTOMAC	F	65	-	-	-	-	-	-	-	-	C		CE BE 50
POTOMAC	H	180	70	04/07/55	70	105	20	04/07/55	5	.6	H	D	CE BE 51
JAMES RUN LOWER	H	125	-	-	-	-	-	-	-	-	H		CE BE 52
JAMES RUN LOWER	H	125	-	-	-	-	-	-	-	-	S		CE BE 53
JAMES RUN LOWER	W	130	12	01/20/55	12	-	3	01/20/55	16	-	H		CE BE 54
JAMES RUN LOWER	F	225	15.30	02/00/55	-	-	-	-	-	-	H		CE BE 55
POTOMAC	F	78	47	05/02/55	47	103	60	05/02/55	16	1.1	C	D	CE BE 56
SERPENTINITE-GABBRO	F	30	-	-	-	-	-	-	-	-	U	D	CE BE 57
POTOMAC	V	15	-	-	-	-	3	10/25/63	24	-	U	D	CE BE 58
POTOMAC	F	35	32	10/25/63	32	55	50	10/25/63	24	2.2	U	D	CE BE 59
SERPENTINITE-GABBRO	F	35	-	-	-	-	-	-	-	-	U	D	CE BE 60
POTOMAC	F	30	-	-	-	-	-	-	-	-	U		CE BE 61
POTOMAC	F	25	17	05/17/56	17	-	3	05/17/56	4	-	U	D	CE BE 62
POTOMAC	F	30	18.20	05/17/56	18.20	-	12	05/17/56	4	-	U	D	CE BE 63
POTOMAC	F	30	17.50	05/17/56	17.50	-	5	05/17/56	4	-	U	D	CE BE 64
JAMES RUN LOWER	S	155	90	05/17/81	90	200	3	05/17/81	4	<.1	H	D	CE BE 65
POTOMAC	H	162	81	01/17/73	81	105	40	01/17/73	16	1.7	T	D	CE BE 66
POTOMAC	H	162	82	06/03/55	82	98	60	06/03/55	8	3.8	T	D	CE BE 67
-	V	14	5	11/26/65	-	-	-	-	-	-	U	D	CE BE 68
-	V	8	5	02/24/77	-	-	-	-	-	-	U	D	CE BE 69
-	F	31	9	03/01/77	-	-	-	-	-	-	U	D	CE BE 70
POTOMAC	F	110	96.16	12/06/82	97	125	25	09/16/74	10	.9	T	D	CE BE 71
POTOMAC	S	80	50	01/10/73	50	-	3	01/10/73	2	-	T	D	CE BE 72
POTOMAC	H	162	84.20	11/30/82	84.20	-	4	11/30/82	4	-	U	E,J,G,QH,WM	CE BE 73
POTOMAC	H	162	84.35	11/30/82	84.10	-	8	12/07/82	7	-	U	E,J,G,QH,WM	CE BE 74
JAMES RUN LOWER	S	192	9	01/03/82	-	50	8	12/30/77	4	-	H	D	CE BE 75
JAMES RUN LOWER	S	192	5.89	01/03/83	5	-	2	05/18/73	1	-	H	D	CE BE 76
GNEISS (MISC.)	F	160	10	08/12/82	10	30	20	08/12/82	6	1.0	H	D	CE BE 77
JAMES RUN LOWER	H	250	40	05/16/79	40	100	4	05/16/79	2	<.1	T	D	CE BE 78
POTOMAC	S	95	15	10/02/70	15	-	5	10/02/70	2	-	N	D	CE BE 80
POTOMAC	F	85	21	06/14/68	21	63	40	06/14/68	7	1.0	H	D	CE BE 81
POTOMAC	H	160	60	10/09/70	60	-	50	10/09/70	2	-	N		CE BE 82
JAMES RUN LOWER	H	145	125	10/04/65	125	-	.5	10/04/65	-	-	C		CE BE 83
POTOMAC	S	110	60	09/28/54	60	90	15	09/28/54	3	.5	H	D	CE BE 84
POTOMAC	F	110	60	04/18/78	60	85	15	04/18/78	2	.6	P	D	CE BE 85
POTOMAC	F	72	46.50	08/22/69	46.50	80	20	08/22/69	2	.6	C	D	CE BE 86
POTOMAC	V	68	31	11/12/63	31	86	30	11/12/63	16	.5	C	D	CE BE 87
POTOMAC	F	68	32	03/18/64	32	90	15	03/18/64	21	.3	N	D	CE BE 88

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BE 89	CE-73-2496	DAVIS CONCRETE CO	NEWNAM	1978 C	88	88	6	81	6	83- 88	S
CE BE 90	CE-65-0367	STEELE'S MOTEL	ENNIS	1965 -	82	82	-	77	6	77- 82	S
CE BE 91	CE-81-0272	CROUSE BROTHERS	P & H	1982 A	60	60	6	55	-	55- 60	S
CE BE 92	CE-73-2950	BARTONS TAVERN INC	NEWNAM	1979 C	80	80	4	74	3	75- 80	S
							2	75			
CE BE 93	CE-73-0590	FOREST VIEW VILLAGE	NEWNAM	1974 C	112	112	6	101	6	107- 112	S
							4	107			
CE BE 94	CE-65-0273	TROJAN YACHT	ENNIS	1965 J	70	70	4	65	-	65- 70	S
CE BE 95	CE-04-0142	ELKTON DINER	KARFFMAN	1960 H	98	95	6	75	6	75- 95	G
CE BE 96	CE-73-3701	LITTLE ELK INN	DIFILIPPO	1981 -	91	91	6	85	6	85- 91	S
CE BE 97	CE-73-2691	CECIL CO CENTRAL LANDFILL	DELMARVA	1978 H	101	83	6	70	6	70- 90	G
CE BE 98	CE-73-2691	CECIL CO CENTRAL LANDFILL	DELMARVA	1979 H	250	244	6	232	4	232- 244	G
CE BE 99	-	CECIL CO CENTRAL LANDFILL	HARDIN	1978 B	50	46	2	43	-	43- 46	S
CE BE 100	CE-73-3146	MONTGOMERY BROS INC	WALTON	1979 P	80	80	6	41	-	-	X
CE BE 101	CE-73-3145	MONTGOMERY BROS INC	WALTON	1979 P	270	270	6	41	-	-	X
CE BE 102	CE-73-3833	MONTGOMERY BROS INC	WALTON	1981 P	105	105	6	40	-	-	X
CE BE 103	CE-67-0312	LEEDS ELEMENTARY SCHOOL	P & H	1967 A	162	162	6	55	-	-	X
CE BE 104	CE-73-0365	PINE GROVE INN	NEWNAM	1973 C	134	134	6	121	6	129- 134	S
							4	129			
*CE BE 105	CE-01-2079	LARIMORE, CHARLES	DOUGHERTY	1953 C	75	75	6	75	-	-	O
CE BE 106	CE-73-2535	MCGUIRK, GEORGE E	DIFILIPPO	1978 P	512	512	6	206	-	-	X
CE BE 107	CE-02-3298	COLTON CHEMICAL CO	SHANNAHAN	1956 H	106	106	-	-	-	-	-
CE BE 108	CE-67-0176	EAST COAST TIMBER	HAMILTON	1966 H	57	57	6	52	6	52- 57	S
CE BE 109	CE-81-0259	DAMERON, FLEMON	DIFILIPPO	1982 H	270	270	6	178	-	-	X
CE BE 110	CE-71-0066	MONROE, LLOYD H	HAMILTON	1970 H	140	140	6	59	-	-	X
CE BE 111	CE-73-3301	PINE GROVE BAPTIST CHURCH	HAMILTON	1980 H	124	124	6	33	-	-	X
CE BE 112	CE-73-1442	VENT, PAUL	HAMILTON	1982 H	175	175	6	22	-	-	X
CE BE 113	CE-81-0055	DAVIS, JAMES	WALTON	1981 P	330	330	6	55	-	-	X
CE BE 114	CE-71-0267	CHURCH OF CHRIST	DIFILIPPO	1971 C	192	192	6	119	-	-	X
CE BE 115	CE-72-0409	SNYDER, GRANT T	DIFILIPPO	1972 P	82	82	6	81	-	-	X
CE BE 116	CE-81-0351	KENNEDY, FLOYD	DIFILIPPO	1982 P	385	385	6	107	-	-	X
CE BE 117	CE-02-8199	CEDAR APARTMENTS	ENNIS	1957 J	110	110	4	104	-	105- 110	S
								105			
CE BE 118	CE-73-1301	MOORE, JOSEPH	WALTON	1975 B	28	28	36	28	-	-	O
CE BE 119	CE-73-1745	SLAGEL, CARROLL	DIFILIPPO	1976 P	140	140	6	60	-	-	X
CE BE 121	CE-71-0290	SEA & FOREST ENTERPRISES	SHORE	1971 C	159	159	6	144	6	149- 159	S
							4	149			
CE BF 1	-	AMTRAK	-	1909 C	71	71	6	-	-	-	X
CE BF 2	CE-00-9127	KALEVA, KARL	DOUGHERTY	1951 C	60	60	6	31	-	-	X
CE BF 3	-	KALEVA, KARL	-	- D	16	16	48	16	-	-	W
CE BF 4	CE-00-9674	DOWNHAM, HARRY H	DOUGHERTY	1952 C	48	48	6	33	-	-	X
CE BF 5	CE-00-9331	GREGG, WALTER L	DOUGHERTY	1952 C	62	62	6	51	-	-	X
CE BF 6	CE-00-8752	WILLIAMS, F T JR	DOUGHERTY	1951 C	200	200	6	91	-	-	X
CE BF 7	CE-00-9895	FRENG, WILLIAM	DOUGHERTY	1952 C	85	85	6	65	-	-	X
CE BF 8	CE-00-8615	WRIGHT, WILBUR E	SLAUCH	1951 C	109	109	6	90	-	-	X
CE BF 9	CE-00-7112	BENJAMIN, W	RINIER	1950 C	42	42	6	42	-	-	O
CE BF 10	CE-00-5484	RUDY, FRANCIS	RINIER	1950 C	43	40	6	40	-	-	O
CE BF 11	CE-00-7833	HARRISON, T	RINIER	1951 C	48	39	6	34	4	34- 39	S
CE BF 12	CE-01-0274	TEXACO GAS STATION	ENNIS	1952 J	60	60	4	55	-	55- 60	S
CE BF 13	CE-01-1375	KEYSTONE MOTEL	KIELKOPF	1952 J	43	43	6	38	4	38- 43	S
CE BF 14	CE-01-1479	SUTTON MOTEL	KIELKOPF	1953 J	39	39	6	34	6	33- 38	S
CE BF 15	CE-00-9835	TOWN OF ELKTON	ENNIS	1952 J	86	86	6	76	6	76- 86	S
CE BF 16	-	CAMPBELL, G B	-	1934 D	22	22	-	22	-	-	-
CE BF 17	-	POWELL, F	-	- D	-	-	-	-	-	-	-
CE BF 18	-	REEDER, RAYMOND	-	1947 D	19	19	48	19	-	-	-
CE BF 19	-	EXXON CORP	ENNIS	1943 C	75	75	4	-	-	-	S
CE BF 20	CE-01-2027	TWIN KISS ICE CREAM	ENNIS	1953 J	85	84	4	79	4	79- 84	S
CE BF 21	-	CIAMPOLI, JOSEPH	-	- D	47	47	48	47	-	-	W
CE BF 22	-	MALONEY, W	-	1903 D	-	-	4	30	-	-	-
CE BF 23	-	BOINOVYCH, NICHOLAS	-	- D	30	30	48	30	-	-	-
CE BF 24	-	CROWGEY, H B	-	- D	18	18	-	18	-	-	W
CE BF 25	-	DEAN, CLYDE	-	- D	18	18	48	18	-	-	-
CE BF 26	-	LOVE, BENJAMIN	-	- D	25	25	-	25	-	-	-
CE BF 27	-	TAYLOR, R T	-	- D	34	34	48	34	-	-	W
CE BF 28	-	TAYLOR, R T	-	- D	38	38	48	38	-	-	W
CE BF 29	-	KOLKA, AKSEL	SLAUCH	1950 C	100	100	6	100	-	-	O
CE BF 31	-	SIMPERS, NORMAN	-	1936 D	22	22	48	22	-	-	W
CE BF 32	-	GATES, M	-	- D	18	18	24	18	-	-	W
CE BF 33	-	FEUCHT, C W	HESS	1938 C	160	160	6	90	-	-	X
CE BF 34	-	SPRY, CHARLES	OWNER	1952 D	21	21	42	21	-	-	O
CE BF 35	-	SPRY, CHARLES	HESS & BROWN	1938 C	90	90	6	-	-	-	X
CE BF 36	-	ROBERTS, R M	-	- D	15	15	36	15	-	-	W
CE BF 37	-	LOVETT, WALDO	-	- D	25	25	60	25	-	-	W
CE BF 38	-	LOVETT AIRPORT	-	- D	25	25	60	25	-	-	W
CE BF 39	-	WALSTRUM, NELSON	OWNER	1941 D	92	92	48	92	-	-	W
CE BF 40	-	JOKINEN, EINAR	-	- D	41	41	42	41	-	-	W
CE BF 41	CE-01-2969	SOUTHERN STATES COOP	ENNIS	1953 J	124	124	4	119	4	119- 124	S
CE BF 42	-	LEWIS, HENRY	-	- J	96	96	4	91	4	91- 96	P
CE BF 43	CE-01-1980	BOWE, WALLACE	SLAUCH	1953 C	98	98	6	79	-	-	X

*Previously published as CE BD 30.

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	F	68	32	05/15/78	32	87	30	05/15/78	8	0.5	N	D	CE BE 89
POTOMAC	F	65	46	05/10/65	46	81	50	05/10/65	8	1.4	C	D	CE BE 90
POTOMAC	F	38	20	05/18/82	20	35	6	05/18/82	3	.4	C	D	CE BE 91
POTOMAC	F	45	35	10/16/79	35	63	30	10/16/79	6	1.1	C	D	CE BE 92
POTOMAC	F	70	41	01/08/74	41	84	45	01/08/74	12	1.0	P	D	CE BE 93
POTOMAC	V	18	15.70	02/06/65	15.70	-	60	02/06/65	16	-	N	D,QH	CE BE 94
POTOMAC	F	25	18	08/15/60	18	24	50	08/15/60	8	8.3	C	D	CE BE 95
POTOMAC	F	55	40	01/15/81	40	60	12	01/15/81	2	.6	C	D	CE BE 96
POTOMAC	S	195	-	-	30	70	1	09/27/78	6	<.1	H	D	CE BE 97
POTOMAC	S	195	136.50	03/15/79	136.50	140	5	03/15/79	16	1.4	H	D,QH	CE BE 98
POTOMAC	S	138	-	-	-	-	-	-	-	-	U	D	CE BE 99
JAMES RUN LOWER	F	220	25	08/29/79	25	55	15	08/29/79	4	.5	P	D	CE BE 100
JAMES RUN LOWER	F	220	30	08/28/79	30	200	10	08/28/79	4	<.1	P	D	CE BE 101
JAMES RUN LOWER	F	220	30	07/15/81	30	100	7	07/15/81	4	.1	P	D	CE BE 102
JAMES RUN LOWER	F	245	12	04/05/67	12	-	25	04/05/67	6	-	T	D,QH	CE BE 103
POTOMAC	H	85	79	06/09/73	79	105	25	06/09/73	8	1.0	C	D	CE BE 104
POTOMAC	F	100	16.27	08/11/53	16.50	60	20	05/11/53	7	.5	H	D	CE BE 105
JAMES RUN LOWER	H	150	200	07/10/78	200	450	2	07/10/78	2	<.1	H	D	CE BE 106
POTOMAC	F	25	17.50	05/17/56	17.50	-	5	05/17/56	4	-	U	D	CE BE 107
POTOMAC	F	95	30	10/31/66	30	-	20	10/31/66	-	-	C	D	CE BE 108
JAMES RUN LOWER	F	180	90	04/12/82	90	180	5	04/12/82	6	<.1	H	D	CE BE 109
JAMES RUN LOWER	S	330	25	09/25/70	25	-	9	09/25/70	1	-	H	D	CE BE 110
JAMES RUN LOWER	F	290	21	03/20/80	21	124	6	03/20/80	3	<.1	T	D	CE BE 111
JAMES RUN LOWER	F	185	40	02/26/82	40	175	5	02/26/82	3	<.1	H	D	CE BE 112
JAMES RUN LOWER	S	150	60	08/30/81	60	300	3	08/30/81	4	<.1	C	D	CE BE 113
SERPENTINITE-GABBRO	F	90	12	08/27/71	12	150	3	08/27/71	3	<.1	T	D	CE BE 114
SERPENTINITE-GABBRO	F	110	30	12/05/72	30	-	30	12/05/72	2	-	P	D	CE BE 115
SERPENTINITE-GABBRO	H	105	50	07/12/82	50	225	2	07/12/82	6	<.1	H	D	CE BE 116
POTOMAC	S	110	73	08/24/57	73	109	30	08/24/57	8	.8	H	D	CE BE 117
POTOMAC	W	95	16	09/09/75	-	-	-	-	-	-	H	D	CE BE 118
JAMES RUN LOWER	S	185	35	11/04/76	35	140	2	11/04/76	2	<.1	H	D	CE BE 119
POTOMAC	F	145	126	06/28/71	126	156	40	06/28/71	16	1.3	P	D	CE BE 121
SERPENTINITE-GABBRO	F	125	8.36	09/28/49	-	-	-	-	-	-	U	WM	CE BF 1
SERPENTINITE-GABBRO	F	130	7.53	09/09/52	6	22	16	12/01/51	8	1.0	H	D	CE BF 2
POTOMAC	F	130	6.66	09/09/52	-	-	-	-	-	-	H		CE BF 3
GNEISS (MISC.)	F	140	12	04/21/52	12	20	15	04/21/52	8	1.9	H	D	CE BF 4
GNEISS (MISC.)	F	170	26	01/05/52	26	33	30	01/05/52	8	4.3	H	D	CE BF 5
SERPENTINITE-GABBRO	F	45	26	12/31/51	26	195	5	12/31/51	16	<.1	H	D	CE BF 6
SERPENTINITE-GABBRO	F	70	26	04/16/52	26	78	5	04/16/52	8	<.1	H	D	CE BF 7
SERPENTINITE-GABBRO	F	70	25	10/13/51	25	-	4	10/13/51	1	-	H	D	CE BF 8
PENSAUKEN	F	75	23	12/27/50	23	-	10	12/27/50	-	-	H	D	CE BF 9
POTOMAC	F	75	15	03/22/50	15	-	8	03/22/50	-	-	H	D	CE BF 10
POTOMAC	F	70	25	05/08/51	25	38	50	05/08/51	4	3.8	H	D	CE BF 11
POTOMAC	F	35	27	06/11/52	27	53	30	06/11/52	-	1.2	C	D,QH	CE BF 12
POTOMAC	F	75	23.50	11/10/52	23.50	25.50	40	11/10/52	10	20.0	C	D	CE BF 13
POTOMAC	F	75	20	01/30/53	20	27	40	01/30/53	12	5.7	C	D	CE BF 14
POTOMAC	F	50	53	04/02/52	53	-	85	04/02/52	16	-	H	D	CE BF 15
PENSAUKEN	F	50	16	00/00/34	-	-	-	-	-	-	H		CE BF 16
-	F	65	-	-	-	-	-	-	-	-	H		CE BF 17
PENSAUKEN	F	65	15.42	07/14/53	-	-	-	-	-	-	H		CE BF 18
POTOMAC	F	40	-	-	-	-	-	-	-	-	C		CE BF 19
POTOMAC	F	65	41.75	04/17/53	41.75	63	30	04/17/53	8	1.4	C	D	CE BF 20
PENSAUKEN	F	90	-	-	-	-	-	-	-	-	H		CE BF 21
-	F	65	18	07/14/53	-	-	-	-	-	-	H,S		CE BF 22
POTOMAC	F	55	26	07/14/53	-	-	-	-	-	-	H		CE BF 23
PENSAUKEN	F	85	-	-	-	-	-	-	-	-	H		CE BF 24
POTOMAC	F	45	13.82	07/15/53	-	-	-	-	-	-	H		CE BF 25
POTOMAC	F	125	-	-	-	-	-	-	-	-	H		CE BF 26
POTOMAC	S	170	24.67	07/28/53	-	-	-	-	-	-	H		CE BF 27
POTOMAC	S	170	-	-	-	-	-	-	-	-	H		CE BF 28
POTOMAC	H	185	48	00/00/50	-	-	-	-	-	-	H		CE BF 29
POTOMAC	F	142	19.74	07/28/53	-	-	-	-	-	-	H		CE BF 31
POTOMAC	S	100	10	07/28/53	-	-	-	-	-	-	H		CE BF 32
SERPENTINITE-GABBRO	F	125	-	-	-	-	-	-	-	-	H		CE BF 33
SERPENTINITE-GABBRO	F	85	11	07/01/52	-	-	-	-	-	-	H		CE BF 34
SERPENTINITE-GABBRO	F	65	-	-	-	-	-	-	-	-	H		CE BF 35
POTOMAC	F	90	-	-	-	-	-	-	-	-	H		CE BF 36
POTOMAC	H	142	15	00/00/45	-	-	-	-	-	-	H		CE BF 37
POTOMAC	H	140	-	-	-	-	-	-	-	-	C		CE BF 38
SERPENTINITE-GABBRO	S	145	-	-	-	-	-	-	-	-	H		CE BF 39
SERPENTINITE-GABBRO	H	265	27.42	07/29/53	-	-	-	-	-	-	H		CE BF 40
POTOMAC	F	65	42.69	08/05/53	42.69	62	25	08/05/53	8	1.3	C	G	CE BF 41
POTOMAC	F	55	-	-	-	-	25	-	-	-	H	O	CE BF 42
JAMES RUN LOWER	H	185	44	04/02/53	44	60	5	04/02/53	1	.3	H	D	CE BF 43

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BF 44	CE-01-1843	CRAWFORD, T F	WALTON	1953 C	99	99	6	46	-	-	X
CE BF 45	CE-01-1844	CRAWFORD, T F	WALTON	1953 C	108	108	6	52	-	-	X
CE BF 46	CE-00-3370	GURSHA, A L	ENNIS	1949 C	215	215	6	120	-	-	X
CE BF 47	CE-01-3147	KEITHLEY, W H	ENNIS	1953 J	78	78	4	73	4	73- 78	S
CE BF 48	-	CURRY, J J	-	1951 D	18	18	36	18	-	-	O
CE BF 49	CE-01-3160	HOLLY HALL TERRACE	ENNIS	1953 C	193	193	6	113	-	-	X
CE BF 50	-	SALVATORIAN MISSION	ENNIS	1946 J	61	61	6	51	4	51- 61	S
CE BF 51	-	SALVATORIAN MISSION	ENNIS	1946 J	164	164	6	104	-	-	X
CE BF 52	-	SALVATORIAN MISSION	ENNIS	1946 J	50	50	4 3	42 45	3	45- 50	S
CE BF 53	-	TOWN OF ELKTON	ENNIS	1952 J	92	91	6	82	-	82- 91	S
CE BF 54	CE-01-2166	GRAN DINER	ENNIS	1953 J	74	73	6	68	-	68- 73	S
CE BF 55	CE-00-0538	BOLLENBACHER, E H	ENNIS	1946 J	47	47	6	41	-	41- 47	S
CE BF 56	CE-01-9005	HOLLY HALL TERRACE	ENNIS	1954 J	76	76	6	59	-	59- 74	S
CE BF 57	CE-03-9911	HOLLY HALL TERRACE	ENNIS	1960 J	194	158	4	141	4	141- 158	S
CE BF 58	CE-04-5243	HOLLY HALL TERRACE	KIELKOPF	1961 H	135	135	4 2	128 131	2	131- 135	S
CE BF 59	CE-04-5556	TOWN OF ELKTON	LAUMAN	1961 R	157	157	12	126	12	126- 157	G
CE BF 60	CE-03-7855	GRAN DINER	ENNIS	1960 J	77	77	6	69 72	-	72- 77	S
CE BF 61	CE-04-5146	EXXON CORP	ENNIS	1961 J	83	83	4	78	-	78- 83	S
CE BF 62	CE-66-0432	CECIL COUNTY COMMISSIONERS	WALTON	1966 A	400	400	6	155	-	-	X
CE BF 63	CE-67-0072	CECIL COUNTY COMMISSIONERS	IDEAL	1966 H	120	105	6	90	6	90- 105	G
CE BF 64	CE-73-3244	TOWN OF ELKTON	SCHULTES	1980 H	144	114	10	94	6	94- 114	G
CE BF 65	CE-81-0156	MEADOWVIEW UTILITIES	McCREAY	1982 -	76	50	4	30	4	30- 50	G
CE BF 66	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1968 W	20	-	-	-	-	-	-
CE BF 67	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1976 W	42	-	-	-	-	-	-
CE BF 68	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1976 W	42	-	-	-	-	-	-
CE BF 69	CE-73-2870	HAPPY 40 LIQUOR STORE	DIFILIPPO	1979 A	129	129	6	124	6	124- 129	S
CE BF 70	CE-04-3776	HAPPY 40 LIQUOR STORE	AULD	1961 C	65	65	6 4	58 61	4	61- 65	S
CE BF 71	CE-73-3169	SENTMAN DISTRIBUTORS INC	NEWNAN	1979 C	102	102	4	95	3	98- 102	S
CE BF 72	CE-73-1897	AMERICAN TENNIS SYSTEMS	DELMARVA	1977 H	60	30	4	20	4	20- 30	S
CE BF 73	CE-05-1955	WSER RADIO	SLAUCH	1963 C	343	333	6 4	157 328	5	328- 333	S
CE BF 74	CE-73-0358	CHRISTIAN ADVENTIST CHURCH	NEWNAM	1973 C	57	57	4	52	3	52- 57	S
CE BF 75	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1976 W	30	-	-	-	-	-	-
CE BF 76	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1976 W	31	-	-	-	-	-	-
CE BF 77	CE-05-7157	MICHEL, JOHN	WALTON	1964 C	201	201	6	135	-	-	X
CE BF 78	CE-73-2868	STANLEY MORRIS	DIFILIPPO	1979 A	450	450	6	181	-	-	X
CE BF 79	CE-73-3231	MARQUESS NORMAN	WALTON	1979 P	200	200	6	134	-	-	X
CE BF 80	CE-73-2858	SWISS INN	NEWNAM	1979 C	67	67	6 4	52 62	6	62- 67	S
CE BF 81	CE-81-0537	U S GEOLOGICAL SURVEY	SCHULTES	1983 H	95	55	4	50	2	50- 55	S
CE BF 82	CE-81-0470	U S GEOLOGICAL SURVEY	SCHULTES	1983 H	285	125	4	120	2	120- 125	S
CE BF 83	CE-02-9223	BALDWIN UNITED METHODIST CH	WALTON	1957 C	55	55	6	48	-	-	X
CE BF 84	CE-81-0471	BALDWIN UNITED METHODIST CH	DIFILIPPO	1982 A	312	312	6	61	-	-	X
CE BF 85	CE-73-2885	MEADOWVIEW UTILITIES	DELMARVA	1979 H	70	65	6	45	6	45- 65	P
CE BF 86	CE-02-9351	MEADOWVIEW UTILITIES	WALTON	1958 C	106	48	6	38	6	38- 48	S
CE BF 87	CE-73-1660	MEADOWVIEW UTILITIES	DELMARVA	1976 R	70	68	12	38	12	38- 68	G
CE BF 88	CE-03-9850	HOLLY HALL TERRACE	ENNIS	1960 J	103	103	4	103	-	-	O
CE BF 89	CE-81-0320	EXXON CORP	NEWNAM	1982 J	110	110	6	105	5	105- 110	S
CE BF 90	CE-67-0099	WARREN W BOULDEN & SONS	LARSON	1966 H	40	40	4	32	4	32- 40	S
CE BF 91	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	115	33	4	18	4	18- 33	S
CE BF 92	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	125	63	2	43	2	43- 63	S
CE BF 93	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	146	53	4	31	4	31- 53	S
CE BF 94	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	136	113	4	87	4	87- 113	S
CE BF 95	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	174	42	-	21	4	20- 42	S
CE BF 96	CE-81-0344	FUNK, TALMAGE	DIFILIPPO	1982 P	390	390	6	59	-	-	X
CE BF 97	CE-81-0326	BAKER, WILLIAM B	SEWARD	1982 H	210	210	4	200	4	200- 210	G
CE BF 98	CE-73-0391	ELKTON TRUCK CITY	DIFILIPPO	1973 P	80	80	6	75	6	75- 80	S
CE BF 99	CE-66-0385	CIAMPOLI MOTEL	LARSON	1966 H	88	50	6	45	6	45- 50	G
CE BF 100	CE-81-0209	CIAMPOLI MOTEL	DIFILIPPO	1982 A	129	129	6	122	6	122- 127	S
CE BF 101	CE-65-0124	SNOOK'S AUTO REPAIR	ENNIS	1964 J	43	43	4	38	4	38- 43	S
CE BF 102	CE-05-6769	CECIL WILDLIFE MANAGEMENT	DIFILIPPO	1964 C	140	140	6	120	-	-	X
CE BF 103	CE-73-1419	HOLLYWOOD DINER	DIFILIPPO	1976 P	52	52	6	47	-	47- 52	S
CE BF 104	CE-68-0226	HUESTER, CHARLES M	NEWNAM	1968 J	297	297	4 2	212 292	3	292- 297	S
CE BF 105	CE-03-4455	FIRST BAPTIST CHURCH	CULLER	1959 C	156	156	6	132	-	-	X
CE BF 106	CE-73-2103	ELKTON GAS SERVICE	WALTON	1977 P	130	130	5	65	-	-	X
CE BF 107	CE-73-3196	OVERNITE TRANSPORTATION CO	BROWN	1979 A	200	200	6	176	-	-	X
CE BF 108	CE-73-2297	ENVIRONMENTAL CONTRACTORS	DIFILIPPO	1978 P	200	200	6	123	-	-	X
CE BF 109	CE-73-1348	FREE STATE LIQUORS	NEWNAM	1975 C	31	31	6 4	25 26	6	26- 31	S
CE BF 110	CE-73-0520	MURRAY, JOHN	DELMARVA	1973 H	80	78	2	68	2	68- 78	G

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
SERPENTINITE-GABBRO	H	110	15	03/11/53	15	60	3	03/11/53	4	<0.1	H	D	CE BF 44
SERPENTINITE-GABBRO	H	110	14	03/18/53	14	55	3	03/18/53	5	<.1	H	D	CE BF 45
SERPENTINITE-GABBRO	F	45	20	03/03/49	20	100	14	03/03/49	-	.2	H	D	CE BF 46
POTOMAC	V	55	41.50	08/21/53	41.50	63	50	08/21/53	8	2.3	H	D	CE BF 47
POTOMAC	F	65	10	09/25/53	-	-	-	-	-	-	H		CE BF 48
SERPENTINITE-GABBRO	F	73	-	-	-	-	-	-	-	-	U	D	CE BF 49
POTOMAC	F	30	26	00/00/46	26	40	60	00/00/46	40	4.3	S	D	CE BF 50
SERPENTINITE-GABBRO	F	70	38	00/00/46	38	-	6	00/00/46	-	-	H	D	CE BF 51
POTOMAC	F	30	23	07/30/46	23	39	40	07/30/46	-	2.5	H	D	CE BF 52
POTOMAC	F	58	47.41	11/18/53	49	80	120	11/03/52	-	3.9	P	D	CE BF 53
POTOMAC	F	38	40	07/27/53	40	60	50	07/27/53	16	2.5	C	D	CE BF 54
POTOMAC	F	65	29.50	08/06/46	29.50	42	50	08/06/46	20	4.0	H	D	CE BF 55
POTOMAC	F	42	31	09/24/54	31	46	120	09/24/54	8	8.0	U	D	CE BF 56
POTOMAC	F	75	17	08/01/60	17	-	150	08/01/60	39	-	U	D	CE BF 57
POTOMAC	F	75	14.50	11/14/61	14.50	50	35	11/14/61	4	1.0	U	D	CE BF 58
POTOMAC	F	75	15	11/20/61	15	72	703	11/20/61	24	12.3	P	D,QH	CE BF 59
POTOMAC	F	30	42.70	01/12/60	42.70	74	50	01/12/60	16	1.6	C	D	CE BF 60
POTOMAC	F	40	44.80	10/11/61	44.80	-	50	10/11/61	16	-	C	D	CE BF 61
SERPENTINITE-GABBRO	F	35	28	02/21/66	28	350	7	02/21/66	6	<.1	T	D	CE BF 62
POTOMAC	F	35	30	08/29/66	30	100	90	08/29/66	6	1.3	T	D,J	CE BF 63
POTOMAC	F	18	5.63	01/17/80	5.63	74.42	179	01/17/80	24	2.6	P	D,E,J	CE BF 64
POTOMAC	H	155	26.14	03/29/83	34	50	4	03/08/82	2	.3	U	D,E,J	CE BF 65
-	V	88	7	07/16/68	-	-	-	-	-	-	U	D	CE BF 66
-	V	114	.50	12/14/76	-	-	-	-	-	-	U	D	CE BF 67
-	F	122	7	12/06/76	-	-	-	-	-	-	U	D	CE BF 68
POTOMAC	F	75	40	02/01/79	40	-	3	02/01/79	2	-	C		CE BF 69
POTOMAC	F	75	30	07/30/61	30	-	15	07/30/61	6	-	C	D	CE BF 70
POTOMAC	F	82	28	09/28/79	28	60	25	09/28/79	6	.8	C		CE BF 71
PENSAUKEN	F	77	18	01/13/77	18	28	20	01/13/77	4	2.0	C		CE BF 72
SERPENTINITE-GABBRO	F	63	-1	07/31/63	-1	-	1	07/31/63	4	1.0	C	D	CE BF 73
POTOMAC	F	65	21	06/18/73	21	42	25	06/18/73	6	1.2	H	D	CE BF 74
-	V	43	.30	01/29/76	-	-	-	-	-	-	U	D	CE BF 75
-	V	24	F	01/04/76	-	-	-	-	-	-	U	D	CE BF 76
SERPENTINITE-GABBRO	S	40	F	04/28/64	-	-	25	04/28/64	-	-	H	D,QH	CE BF 77
SERPENTINITE-GABBRO	F	75	50	03/23/79	50	400	1	03/23/79	2	<.1	H	D	CE BF 78
SERPENTINITE-GABBRO	S	25	F	12/18/79	-	100	15	12/18/79	4	.2	H	D	CE BF 79
POTOMAC	F	80	23	01/24/79	23	42	35	01/24/79	8	1.8	C	D	CE BF 80
POTOMAC	F	90	38.68	03/03/83	38	48	10	01/26/83	2	1.0	U	G,J,E,A,QH,WC	CE BF 81
POTOMAC	F	70	56.37	02/03/83	57	107	30	02/01/83	3	.6	U	G,J,E,A	CE BF 82
JAMES RUN LOWER	F	142	15	11/15/57	15	50	5	11/15/57	2	.1	T	D	CE BF 83
JAMES RUN LOWER	F	142	20	11/03/82	20	200	2	11/03/82	6	<.1	T	D	CE BF 84
POTOMAC	F	130	17	04/11/79	17	24	30	04/11/79	2	4.3	P	D	CE BF 85
POTOMAC	F	135	18	01/23/58	18	40	25	01/23/58	48	1.1	P	D	CE BF 86
POTOMAC	F	140	26	08/05/76	26	49	275	08/05/76	8	12.0	P	D,QH	CE BF 87
POTOMAC	F	95	28	07/25/60	28	-	50	07/25/60	27	-	U	D	CE BF 88
POTOMAC	F	40	51	06/29/82	51	84	25	06/29/82	-	.8	C	D	CE BF 89
POTOMAC	V	12	7	03/24/66	7	25	30	03/24/66	2	1.7	C	D	CE BF 90
POTOMAC	V	6	6	05/08/68	6	15	70	05/08/68	3	7.8	U	D	CE BF 91
POTOMAC	V	10	6	05/09/68	6	35	12	05/09/68	4	.4	U	D	CE BF 92
POTOMAC	V	15	5.50	05/15/68	5.50	25.40	60	05/15/68	3	3.0	U	D	CE BF 93
POTOMAC	V	10	2	05/17/68	2	53	23	05/17/68	3	.5	U	D	CE BF 94
POTOMAC	V	6	4.80	05/24/68	4.80	9.50	72	05/24/68	3	15.3	U	D	CE BF 95
SERPENTINITE-GABBRO	S	125	70	07/06/82	70	200	10	07/06/82	6	<.1	H	D	CE BF 96
POTOMAC	F	90	60	08/26/82	60	110	8	08/26/82	2	.2	H	D	CE BF 97
POTOMAC	F	85	10	05/24/73	10	20	60	05/24/73	2	6.0	C	D	CE BF 98
POTOMAC	F	90	27	01/20/66	27	45	9	01/20/66	6	.5	C	D	CE BF 99
POTOMAC	F	90	80	01/13/82	80	90	12	01/13/82	6	1.2	C	D	CE BF 100
POTOMAC	F	70	27	10/01/64	27	42	40	10/01/64	16	2.7	C	D	CE BF 101
SERPENTINITE-GABBRO	S	60	30	04/17/64	30	40	15	04/17/64	8	1.5	H	D	CE BF 102
POTOMAC	F	82	25	01/21/76	25	40	12	01/21/76	3	.8	C	D	CE BF 103
POTOMAC	F	78	45	07/03/68	45	125	15	07/03/68	16	.2	H	D	CE BF 104
SERPENTINITE-GABBRO	F	80	66	05/07/59	66	150	4	05/07/59	2	<.1	T	D	CE BF 105
SERPENTINITE-GABBRO	S	90	8	07/13/77	8	50	15	07/13/77	4	.4	C	D	CE BF 106
SERPENTINITE-GABBRO	W	98	2	11/17/79	2	50	50	11/17/79	2	1.0	C	D	CE BF 107
SERPENTINITE-GABBRO	F	125	20	11/18/78	20	190	2	11/18/78	2	<.1	N	D	CE BF 108
POTOMAC	F	130	11	11/05/75	11	22	14	11/05/75	8	1.3	C	D	CE BF 109
SERPENTINITE-GABBRO	F	130	10	08/17/73	10	-	6	08/17/73	2	-	C	D	CE BF 110

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE BF 111	CE-73-1816	BROKEN BIT STABLES	DIFILIPPO	1976 P	122	122	6	66	-	-	X
CE BF 112	CE-73-0585	APPLETON MARKET	DIFILIPPO	1973 P	122	122	6	40	-	-	X
CE BF 113	CE-01-5501	CECIL MANOR ELEMENTARY SCH	DOUGHERTY	1954 C	63	63	6	43	-	-	X
CE BF 114	CE-73-0990	KENNEDY, GEORGE A	DIFILIPPO	1974 P	103	103	6	63	-	-	X
CE BF 115	CE-03-6393	D M STOLTZFUS & SONS INC	BARBER	1959 C	120	120	8	63	-	-	X
CE BF 116	CE-67-0414	CHURCH OF LATTER DAY SAINTS	WALTON	1967 A	90	90	5	33	-	-	X
CE BF 117	CE-81-0257	MARYLAND RAIL CAR INC	WALTON	1982 P	100	100	6	60	-	-	X
CE BF 118	CE-81-0205	MONTGOMERY, HAROLD	SEWARD	1981 H	40	40	4	30	4	30- 40	G
CE BF 119	-	AMTRAK	-	1909 C	73	73	6	-	-	-	X
CE BF 120	CE-73-0186	UNION OIL CO OF CALIFORNIA	WALTON	1972 A	230	230	6	85	-	-	X
CE BF 121	CE-73-1153	UNION OIL CO OF CALIFORNIA	WALTON	1975 A	360	360	6	91	-	-	X
CE BF 122	CE-02-2636	DEL. FIRST STATE FIREWORKS	VACCARINI	1955 C	151	151	6	140	4	145- 151	S
							4	145			
CE BF 123	CE-04-6727	DEL. FIRST STATE FIREWORKS	WALTON	1962 C	171	40	4	-	-	-	S
CE BF 124	CE-69-0273	COX, ERNEST	WALTON	1969 A	405	405	6	143	-	-	X
CE BF 125	CE-66-0138	HEATH, LEWIS	WALTON	1965 A	88	88	6	8	-	-	X
CE BF 126	CE-81-0222	HOLLYWOOD DINER	SEWARD	1982 H	54	54	4	44	4	44- 54	G
CE BF 127	CE-68-0174	TOWN OF ELKTON	SHANNAHAN	1968 H	164	118	4	96	4	96- 118	S
CE BF 128	CE-73-2760	HUDSON, PHILLIP	DIFILIPPO	1978 P	100	100	6	75	-	-	X
CE BF 129	CE-69-0330	ATHLETIC CAMPS INC	WALTON	1969 A	170	170	5	90	-	-	X
CE BF 130	CE-04-6621	JACKSON, CHARLES	SLAUCH	1962 C	207	207	6	104	4	202- 207	S
							4	202			
CE BF 131	CE-66-0513	BAPTIST BIBLE CHURCH	P & H	1966 A	146	146	6	112	-	-	X
CE BF 132	CE-81-0604	BAPTIST BIBLE CHURCH	DIFILIPPO	1983 P	250	250	6	108	-	-	X
CE BF 133	CE-81-0344	FUNK, TALMAGE	DIFILIPPO	1982 P	390	390	6	59	-	-	X
CE BF 134	CE-03-2422	MEADOWVIEW UTILITIES	DELMARVA	1958 H	64	64	17	25	17	25- 29	F
							17	33	17	33- 37	
							17	41	17	41- 64	
CE BF 135	CE-03-5373	MEADOWVIEW UTILITIES	DELMARVA	1959 H	58	58	17	26	17	26- 58	F
CE BF 136	CE-03-7000	MEADOWVIEW UTILITIES	DELMARVA	1974 H	101	101	17	24	17	24- 36	F
							17	40	17	40- 60	
							17	68	17	68- 88	
							17	92	17	92- 100	
							12	15	12	15- 100	
CE BF 137	CE-03-1313	MEADOWVIEW UTILITIES	DELMARVA	1958 H	27	-	-	-	-	-	-
CE BF 138	CE-03-1315	MEADOWVIEW UTILITIES	DELMARVA	1958 H	50	-	-	-	-	-	-
CE BF 139	CE-73-2949	CARGILL INC	WALTON	1979 P	220	220	6	64	-	-	X
CE BF 140	CE-05-7100	HERMAN, OTTO	WALTON	1964 C	90	90	6	72	-	-	X
CE BF 141	CE-03-1309	MEADOWVIEW UTILITIES	DELMARVA	1958 H	50	-	-	-	-	-	-
CE CC 1	CE-00-9063	LORD, S	RINIER	1951 C	65	65	6	60	-	-	X
CE CC 2	CE-00-9357	SENTMAN, F R	H & H	1952 C	30	30	6	28	-	-	W
CE CC 3	CE-00-5797	BELL, F A	MORGAN	1950 C	70	70	6	31	-	-	X
CE CC 4	CE-00-9032	WHITAKER, ELINOR	H & H	1952 C	33	33	6	21	-	-	X
CE CC 5	CE-00-9358	CRAIG, P N	H & H	1952 C	35	35	6	16	-	-	X
CE CC 6	CE-00-6954	ROBERTS, LESLIE	RINIER	1950 C	43	43	6	30	-	-	X
CE CC 7	CE-00-8674	HINSHAW, COITE	HOFFMAN	1951 C	53	53	6	27	-	-	X
CE CC 8	CE-00-9944	MCMULLEN, R	DOUGHERTY	1952 C	135	135	6	114	-	-	X
CE CC 9	CE-00-5990	STURGILL, C B	RINIER	1950 C	130	130	6	80	-	-	X
CE CC 10	CE-00-5459	JONES, WILLIAM E	MORGAN	1950 C	162	162	6	80	-	-	X
CE CC 11	CE-00-3048	ZEIGLER, FLORA	RINIER	1948 C	93	93	6	65	-	-	X
CE CC 12	CE-00-6072	VAUGHN, J N	ENNIS	1950 C	124	122	4	117	-	117- 122	S
CE CC 13	CE-00-8845	BUCK, W	RINIER	1951 C	56	55	6	50	-	50- 55	S
CE CC 14	CE-00-6238	SHIVERY, WILLIAM	ENNIS	1950 C	121	121	4	116	-	116- 121	S
CE CC 15	CE-00-9673	BAILEY, S H	DOUGHERTY	1952 C	116	116	6	112	-	112- 116	S
CE CC 16	CE-01-2599	TAYLOR, W R	DOUGHERTY	1953 C	30	30	6	18	-	-	X
CE CC 17	CE-01-1668	HEFFNER, SAM	DOUGHERTY	1953 C	28	28	6	15	-	-	X
CE CC 18	CE-00-3393	CLAYTON, RUSSELL T	EILER	1948 C	57	57	4	30	-	-	X
CE CC 19	CE-01-2007	GANNON, F H	DOUGHERTY	1953 C	39	39	6	21	-	-	X
CE CC 20	-	WOODLANDS FARM	-	- D	30	30	60	30	-	-	W
CE CC 21	-	WOODLANDS FARM	-	1932 C	100	100	6	-	-	-	X
CE CC 22	-	WHITAKER IRON CO	-	- D	37	37	42	37	-	-	W
CE CC 23	CE-00-3392	VANCICLE, J B	EILER	1950 C	117	117	6	-	-	-	X
CE CC 24	-	STEINMAN, J H	ENNIS	1953 J	71	71	4	65	-	-	S
CE CC 25	-	OSBORNE, CHARLES	-	- C	158	158	-	-	-	-	-
CE CC 26	-	ANA TIDAE INC	HARR	- C	135	135	6	-	-	-	-
CE CC 27	-	ANA TIDAE INC	HARR	- C	110	110	6	-	-	-	S
CE CC 28	CE-00-0044	THIEL, HARRY	ENNIS	1945 J	78	78	4	73	2	73- 78	S
CE CC 32	-	BROWN, KIRK	-	1948 C	136	136	-	-	-	-	-
CE CC 33	CE-01-5207	CARPENTERS POINT WATER CO	DOUGLASS	1954 C	70	70	6	65	-	-	O
CE CC 34	CE-01-2614	MASON-DIXON SAND & GRAVEL	SMITH	1953 C	137	136	6	136	-	-	O
CE CC 35	-	SULLIVAN, FRED	-	- D	28	28	36	24	-	-	O
CE CC 36	CE-01-5208	SULLIVAN, FRED	DOUGLASS	1954 C	76	76	6	76	-	-	-
							6	28			
CE CC 37	CE-01-1139	ST MARKS CHURCH	WALTON	1952 C	100	100	6	25	-	-	X
CE CC 38	-	ST MARKS CHURCH	RINIER	1955 A	260	260	6	-	-	-	X
CE CC 39	CE-02-1592	ST MARKS CHURCH	RINIER	1955 A	48	48	6	40	-	-	X
CE CC 41	CE-02-7628	MD STATE HIGHWAY ADM	SHANNAHAN	1957 A	154	154	-	-	-	-	X

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
GNEISS (MISC.)	F	122	25	10/04/76	25	122	10	10/04/76	2	0.1	S	D	CE BF 111
GNEISS (MISC.)	W	160	20	09/17/73	20	60	12	09/17/73	2	.3	C	D	CE BF 112
JAMES RUN LOWER	F	150	13	06/14/54	13	18	30	06/14/54	16	6.0	T	D	CE BF 113
GNEISS (MISC.)	F	155	30	10/03/74	30	80	12	10/03/74	2	.2	H	D	CE BF 114
GNEISS (MISC.)	W	96	27	10/26/59	27	65	30	10/26/59	4	.8	N	D	CE BF 115
GNEISS (MISC.)	F	142	28	07/18/67	28	80	10	07/18/67	4	.2	T	D	CE BF 116
JAMES RUN LOWER	W	142	20	05/06/82	20	70	40	05/06/82	4	.8	N	D	CE BF 117
POTOMAC	F	125	16	12/26/81	16	26	8	12/26/81	2	.8	C	D	CE BF 118
SERPENTINITE-GABBRO	F	125	14.68	09/28/49	-	-	-	-	-	-	H		CE BF 119
SERPENTINITE-GABBRO	F	125	4	11/06/72	4	35	40	11/06/72	24	1.3	C	D	CE BF 120
SERPENTINITE-GABBRO	F	125	5	04/14/75	5	79	39	04/14/75	24	.5	C	D	CE BF 121
POTOMAC	F	70	40	10/02/55	40	60	30	10/02/55	16	1.5	H	D	CE BF 122
POTOMAC	F	70	-	-	-	-	2	04/20/62	-	-	U	D	CE BF 123
SERPENTINITE-GABBRO	F	110	-	-	-	140	3	05/20/69	4	<.1	H	D	CE BF 124
SERPENTINITE-GABBRO	S	130	35	10/07/65	35	75	10	10/07/65	4	.3	H	D	CE BF 125
POTOMAC	F	82	37	02/05/82	37	45	20	02/05/82	2	2.5	C	D	CE BF 126
POTOMAC	F	18	6.20	05/15/68	6.20	23	50	05/15/68	3	3.0	U	D	CE BF 127
SERPENTINITE-GABBRO	S	175	25	11/28/78	25	60	15	11/28/78	2	.4	H	D	CE BF 128
SERPENTINITE-GABBRO	F	115	30	09/01/69	30	150	50	09/01/69	4	.4	R	D	CE BF 129
SERPENTINITE-GABBRO	F	100	1	05/31/62	1	75	8	05/31/62	4	.1	H	D	CE BF 130
SERPENTINITE-GABBRO	F	45	25	05/15/66	25	-	30	05/15/66	-	-	T	D	CE BF 131
SERPENTINITE-GABBRO	F	45	50	05/12/83	50	100	25	05/12/83	6	.5	T	D	CE BF 132
SERPENTINITE-GABBRO	F	105	70	07/06/82	70	200	10	07/06/82	6	<.1	H	D	CE BF 133
POTOMAC	F	140	18.50	10/16/58	18.50	34.50	200	10/16/58	48	12.5	U	D	CE BF 134
POTOMAC	F	130	11	10/13/59	11	45	150	10/13/59	48	4.4	U	D	CE BF 135
POTOMAC	F	135	22	11/25/59	22	77	280	11/25/59	40	5.1	P	D	CE BF 136
POTOMAC	F	130	20	05/16/58	-	-	-	-	-	-	U	D	CE BF 137
POTOMAC	F	140	17	04/30/58	-	-	-	-	-	-	U	D	CE BF 138
GNEISS (MISC.)	S	150	30	05/31/79	30	125	10	05/31/79	4	.1	C	D	CE BF 139
SERPENTINITE-GABBRO	F	115	27	03/20/64	27	75	12	03/20/64	4	.3	H	D	CE BF 140
POTOMAC	F	130	16	04/30/58	-	-	-	-	-	-	U	D	CE BF 141
JAMES RUN LOWER	S	130	30	11/03/51	30	-	4	11/03/51	-	-	H	D	CE CC 1
JAMES RUN LOWER	S	145	18	01/29/52	18	24	10	01/29/52	2	1.7	H	D	CE CC 2
JAMES RUN LOWER	S	145	68	05/28/50	68	70	2	05/28/50	3	1.0	H		CE CC 3
JAMES RUN LOWER	S	145	24	01/02/52	24	28	5	01/02/52	1	1.3	H	D	CE CC 4
JAMES RUN LOWER	F	150	16	01/10/52	16	30	3	01/10/52	2	.2	H	D	CE CC 5
JAMES RUN LOWER	S	225	10	11/06/50	10	-	10	11/06/50	-	-	H	D	CE CC 6
JAMES RUN LOWER	S	220	16	10/08/51	16	41	8	10/08/51	7	.3	H		CE CC 7
GNEISS (MISC.)	F	140	60	05/28/52	60	80	15	05/28/52	24	.8	H	D	CE CC 8
GNEISS (MISC.)	F	125	40	06/06/50	40	-	2	06/06/50	-	-	H	D	CE CC 9
JAMES RUN LOWER	H	145	158	05/06/50	158	160	2	05/06/50	5	.8	H	D	CE CC 10
JAMES RUN LOWER	H	145	-	-	-	-	-	-	-	-	H	D	CE CC 11
POTOMAC	F	15	47.75	06/22/50	47.75	60	20	06/22/50	-	1.6	H	D	CE CC 12
POTOMAC	F	5	3	11/23/51	3	-	8	11/23/51	4	-	H		CE CC 13
POTOMAC	F	25	-	-	-	100	35	08/05/50	16	-	H	D	CE CC 14
POTOMAC	F	70	65	04/04/52	65	90	25	04/04/52	8	1.0	H	D	CE CC 15
GNEISS (MISC.)	S	85	3.50	06/09/53	3.50	10	30	06/09/53	5	4.6	H	D	CE CC 16
GNEISS (MISC.)	V	20	3	01/30/53	3	24	10	01/30/53	5	.5	H	D	CE CC 17
JAMES RUN LOWER	F	145	18	11/15/48	18	-	.1	11/15/48	24	-	C		CE CC 18
JAMES RUN LOWER	S	210	11.74	03/28/53	11.74	32	5	03/28/53	-	.2	H	D	CE CC 19
PENSAUKEN	F	65	18	09/00/53	-	-	-	-	-	-	H		CE CC 20
GNEISS (MISC.)	F	130	-	-	-	-	-	-	-	-	H		CE CC 21
POTOMAC	S	105	29.96	07/19/58	-	-	-	-	-	-	H		CE CC 22
GNEISS (MISC.)	F	145	80	00/00/50	80	110	3	00/00/50	4	.1	H	D	CE CC 23
POTOMAC	S	15	4.50	02/25/53	4.50	50	43	02/25/53	-	.9	H	D	CE CC 24
POTOMAC	S	80	-	-	-	-	-	-	-	-	H		CE CC 25
POTOMAC	S	50	20	12/10/53	-	-	-	-	-	-	H		CE CC 26
POTOMAC	S	60	25	12/10/53	-	-	-	-	-	-	H		CE CC 27
POTOMAC	S	50	38	10/10/45	38	76	9	10/10/45	24	.2	H	D	CE CC 28
POTOMAC	S	45	-	-	-	-	-	-	-	-	H		CE CC 32
POTOMAC	F	25	12	08/05/54	12	30	20	08/05/54	5	1.1	P	D,QH	CE CC 33
POTOMAC	S	185	118	08/26/53	118	134	10	08/26/53	16	.6	N	QH	CE CC 34
POTOMAC	S	50	25.88	04/15/55	-	-	-	-	-	-	H		CE CC 35
POTOMAC	S	50	35	05/20/54	35	40	6	05/20/54	4	1.2	H	D	CE CC 36
JAMES RUN LOWER	S	245	25	10/28/52	25	95	.5	10/28/52	16	<.1	H	D	CE CC 37
JAMES RUN LOWER	F	245	23.96	03/05/56	-	-	1	00/00/55	-	-	H	WM	CE CC 38
-	S	245	30	12/07/55	30	-	10	12/07/55	-	-	T	D	CE CC 39
-	H	165	-	-	-	-	-	-	-	-	H	D	CE CC 41

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE CC 42	-	MD STATE HIGHWAY ADM	HARR	1958 C	251	251	6	80	-	-	X
CE CC 43	-	MD STATE HIGHWAY ADM	HARR	1958 C	177	177	6	146	-	-	X
CE CC 44	-	WHITAKER IRON CO	-	- D	15	15	-	15	-	-	W
CE CC 46	CE-66-0368	WILSON, THOMAS	P & H	1966 A	100	100	6	73	-	-	X
CE CC 47	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1967 W	36	-	-	-	-	-	-
CE CC 48	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1966 W	49	-	-	-	-	-	-
CE CC 49	CE-73-3502	MD STATE HIGHWAY ADM	DIFILIPPO	1980 P	148	148	4	128	-	-	X
CE CC 50	-	COUDON, JOSEPH	-	- D	25	25	48	25	-	-	W
CE CC 51	-	SAMPLE, CHARLES	-	- D	25	25	48	25	-	-	W
CE CC 52	CE-81-0432	COOPER, NELSON	P & H	1982 A	200	200	6	40	-	-	X
CE CC 53	CE-73-3987	STANCILLS, INC	NEWNAM	1981 W	210	210	6	90	-	-	X
CE CC 54	CE-73-2902	BOSTIC, STEPHEN	NEWNAM	1979 C	165	165	4 2	158 160	3	160- 165	S
CE CC 55	CE-68-0190	CHESTNUT POINT MARINA	NEWNAM	1968 J	74	71	4 2	64 66	3	66- 71	S
CE CC 56	CE-71-0069	CHESTNUT POINT MARINA	NEWNAM	1970 C	67	67	6 4	61 62	-	62- 67	S
CE CC 57	CE-73-2957	CHESTNUT POINT MARINA	NEWNAM	1979 C	93	93	6 4	86 88	6	88- 93	S
CE CC 58	CE-73-0063	ANDRICHYN, CHARLES	NEWNAM	1972 C	78	78	4	73	3	73- 78	S
CE CC 59	CE-66-0574	DRIES & LANG	IDEAL Well	1966 H	50	46	4	38	4	38- 46	G
CE CC 60	CE-69-0089	CRAFT HAVEN CAMPGROUND	P & H	1968 H	67	67	-	-	-	-	S
CE CC 61	CE-73-2605	CRAFT HAVEN CAMPGROUND	NEWNAM	1978 C	70	70	6 4	61 65	6	65- 70	S
CE CC 62	CE-67-0343	CARPENTERS POINT WATER CO	HARTON	- -	-	-	-	-	-	-	-
CE CC 63	CE-81-0339	CARPENTERS POINT WATER CO	NEWNAM	1982 W	90	90	6 4	71 80	6	80- 90	S
CE CC 64	CE-65-0158	ST MARKS CHURCH	P & H	1964 A	135	135	6	21	-	-	X
CE CC 65	CE-02-4328	WARRINGTON, CHARLES	PRESTON	1956 H	198	198	6	117	-	-	X
CE CC 66	CE-69-0031	WARRINGTON, CHARLES	P & H	1968 H	60	60	4	55	4	55- 60	S
CE CC 67	CE-81-0431	RAYSON, GLENDON	HAMILTON	1982 C	120	120	6	115	6	115- 120	S
CE CC 68	CE-03-4318	MASON-DIXON SAND & GRAVEL	ENNIS	1959 J	137	113	8	96	-	96- 101 101- 113	-
CE CD 1	CE-01-0602	CHARLESTOWN ELEM SCHOOL	SLAUCH	1952 C	88	88	6	88	-	-	O
CE CD 2	CE-00-7497	SIMPERA, M W	SLAUCH	1951 C	64	60	6	60	6	55- 60	F
CE CD 3	CE-00-7301	MORNING CHEER (SANDY COVE)	ENNIS	1951 J	68	68	6	63	-	63- 68	S
CE CD 4	CE-00-9256	JESTER, R	UNRUH	1950 C	92	92	4	84	-	84- 92	S
CE CD 5	CE-04-3973	MORNING CHEER (SANDY COVE)	ENNIS	1951 J	98	98	6	93	-	93- 98	S
CE CD 6	CE-00-1966	MORNING CHEER (SANDY COVE)	ENNIS	1951 J	69	69	6	64	-	64- 69	S
CE CD 7	-	STEN, J A	ENNIS	1952 J	132	132	4	127	-	127- 132	S
CE CD 8	-	STEELE, J H	ENNIS	1951 J	59	59	4	54	-	54- 59	S
CE CD 9	CE-00-0445	GLANDING, WILLIAM	ROGERS	1946 C	174	167	6	167	-	-	O
CE CD 10	-	FOGG, W E	ENNIS	1951 J	83	83	4	78	-	78- 83	S
CE CD 11	-	LEMINEN, EERO	ENNIS	1951 J	86	86	4	81	-	81- 86	S
CE CD 12	CE-00-4748	LEMINEN, EERO	EILER	1949 C	245	245	6 4	135 245	-	-	O
CE CD 13	CE-00-0205	WOOD, ERNEST	ENNIS	1946 J	350	350	6 4	97 340	-	340- 350	S
CE CD 14	CE-00-0466	MCDANIEL YACHT BASIN	ROGERS	1946 C	79	79	6	79	-	-	P
CE CD 15	-	CAMP RODNEY BSA	-	1930 C	178	178	8	-	-	-	O
CE CD 16	-	GARRETSON, P J	-	- C	325	325	-	-	-	-	O
CE CD 17	-	TRAINER, T W	-	- D	12	12	48	12	-	-	W
CE CD 18	CE-00-3895	MC CAULEY, OTIS	SHAFFER	1949 C	49	42	2	42	-	-	O
CE CD 19	-	SPEER, ANDREW	ENNIS	1953 J	107	107	4	102	-	102- 107	S
CE CD 20	-	SPRINGER, JOHN A	ENNIS	1953 J	140	140	4	135	-	135- 140	S
CE CD 21	-	DILKS, WILLIAM	-	- V	12	12	2	-	-	-	T
CE CD 23	-	MCDOWELL, EDWIN T	-	- D	25	25	48	25	-	-	W
CE CD 24	-	DICKENS, COMADO	OWNER	1951 V	26	26	1	-	-	-	T
CE CD 25	-	SERGEIKO, P	-	- C	135	135	-	-	-	-	O
CE CD 26	CE-01-2946	ELKTON SPARKLER	ENNIS	1953 J	41	41	4	36	-	36- 41	S
CE CD 27	CE-01-2297	BAY BOAT WORKS	SLAUCH	1953 C	300	300	6 4	187 300	-	-	O
CE CD 28	CE-01-2088	MELRATH, GORDON	SLAUCH	1953 C	84	84	6	84	6	72- 84	P
CE CD 29	-	COLLINS, PAUL	-	- D	11	11	36	11	-	-	W
CE CD 30	-	CHARLESTOWN FIRE DEPT	-	1948 V	22	22	-	-	-	-	T
CE CD 31	-	CHARLESTOWN ELEM SCHOOL	SLAUCH	1953 -	92	92	6	-	-	-	-
CE CD 32	CE-00-4747	TOMARGO, S	EILER	1950 C	117	117	6	117	-	-	O
CE CD 33	CE-00-4515	SCRIVANICH, D	SHAFFER	1949 C	176	176	-	-	-	-	-
CE CD 34	-	MILLER, J	-	- V	40	40	-	-	-	-	-
CE CD 35	CE-02-1244	CAMP RODNEY BSA	ENNIS	1955 J	180	178	8 4	136 163	5	163- 178	S
CE CD 36	-	MORNING CHEER INC	-	- C	70	70	6	-	-	-	-
CE CD 37	CE-03-1542	CHARLESTOWN ELEM SCHOOL	SLAUCH	1958 C	284	284	6	221	-	-	X
CE CD 38	CE-03-2182	CHARLESTOWN ELEM SCHOOL	SLAUCH	1958 C	106	106	6	101	-	101- 106	S
CE CD 39	CE-06-0086	CHARLESTOWN ELEM SCHOOL	ENNIS	1959 J	204	204	4	204	-	-	O
CE CD 40	CE-06-0087	CHARLESTOWN ELEM SCHOOL	ENNIS	1960 J	163	163	4	163	-	-	O
CE CD 41	CE-03-7719	CHARLESTOWN ELEM SCHOOL	ENNIS	1960 J	125	113	4	102 103	-	103- 113	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
-	H	165	-	-	-	-	-	-	-	-	H	D	CE CC 42
-	H	185	-	-	-	-	-	-	-	-	H		CE CC 43
POTOMAC	S	70	8.99	06/19/58	-	-	-	-	-	-	H		CE CC 44
JAMES RUN LOWER	F	150	40	03/21/66	40	-	8	03/21/66	-	-	C	D	CE CC 46
-	F	53	11	11/10/67	-	-	-	-	-	-	U	D	CE CC 47
-	S	119	31	12/14/66	-	-	-	-	-	-	U	D	CE CC 48
-	S	170	112	10/06/80	-	-	-	-	-	-	H	D	CE CC 49
PENSAUKEN	F	65	14.53	09/23/82	-	-	-	-	-	-	H		CE CC 50
POTOMAC	S	91	3.07	12/10/82	-	-	-	-	-	-	H		CE CC 51
JAMES RUN LOWER	S	110	10	10/15/82	10	100	5	10/15/82	4	<0.1	H		CE CC 52
JAMES RUN LOWER	S	25	20	09/01/81	20	80	11	09/01/81	5	.2	N	D	CE CC 53
POTOMAC	S	96	90	04/20/79	90	118	30	04/20/79	10	1.1	H	D	CE CC 54
POTOMAC	S	25	21	05/06/68	21	50	50	05/06/68	8	1.7	P	D	CE CC 55
POTOMAC	F	15	13	09/23/70	13	42	30	09/23/70	6	1.0	C	D	CE CC 56
POTOMAC	S	70	68	06/22/79	68	84	45	06/22/79	10	2.8	P	D	CE CC 57
POTOMAC	F	18	16	08/30/72	16	54	30	08/30/72	8	.8	H	D	CE CC 58
POTOMAC	S	20	18	06/05/66	18	45	100	06/05/66	2	3.7	H	D	CE CC 59
POTOMAC	S	45	30	09/11/68	30	-	20	09/11/68	-	-	P	D	CE CC 60
POTOMAC	S	22	19	10/10/78	19	30	30	10/10/78	8	2.7	P	D	CE CC 61
POTOMAC	S	45	-	-	-	-	-	-	-	-	P		CE CC 62
POTOMAC	S	20	23	06/24/82	23	84	50	06/24/82	10	.8	P	D	CE CC 63
JAMES RUN LOWER	S	245	50	10/24/64	50	-	2	10/24/64	12	-	T	D	CE CC 64
GNEISS (MISC.)	F	70	57	08/13/56	57	-	1	08/13/56	-	-	H	D	CE CC 65
POTOMAC	F	70	25	07/24/68	25	-	14	07/24/68	-	-	H	D	CE CC 66
POTOMAC	F	70	20	10/02/82	20	120	15	10/02/82	3	.2	H	D	CE CC 67
POTOMAC	S	90	73	04/30/59	73	110	85	04/30/59	24	2.3	N	D	CE CC 68
POTOMAC	F	40	14	07/17/52	14	80	14	07/17/52	7	.2	T	D	CE CD 1
POTOMAC	S	30	22	03/10/51	22	40	30	03/10/51	4	1.7	H	D	CE CD 2
POTOMAC	F	25	34.75	02/06/51	34.75	60	65	02/06/51	16	2.6	R	D	CE CD 3
POTOMAC	F	42	38	09/00/50	38	60	15	09/00/50	6	.7	H	D	CE CD 4
POTOMAC	S	65	58	05/00/48	58	-	25	05/00/48	23	-	R	D	CE CD 5
POTOMAC	F	25	38	05/00/48	38	50	100	05/00/48	16	8.3	R	D	CE CD 6
POTOMAC	H	65	65	03/31/52	65	98	20	03/31/52	-	.6	H	D	CE CD 7
POTOMAC	F	10	24	12/28/51	24	43	35	12/28/51	-	1.8	H	D	CE CD 8
POTOMAC	S	38	41	05/21/46	41	65	3	05/21/46	8	.1	H	D	CE CD 9
POTOMAC	F	90	60	11/12/51	60	82	40	11/12/51	-	1.8	H	D	CE CD 10
POTOMAC	S	65	57	12/24/51	57	85	20	12/24/51	-	.7	H	D	CE CD 11
POTOMAC	S	65	60	01/24/49	60	85	20	01/24/49	9	.8	H	D	CE CD 12
POTOMAC	S	186	193	10/11/46	193	250	40	10/11/46	43	.7	H	D	CE CD 13
POTOMAC	S	45	35	05/27/46	35	-	20	05/27/46	-	-	H	D	CE CD 14
POTOMAC	F	25	-	-	-	-	-	-	-	-	R		CE CD 15
POTOMAC	S	195	-	-	-	-	-	-	-	-	H		CE CD 16
POTOMAC	S	15	-	-	-	-	-	-	-	-	H		CE CD 17
POTOMAC	F	25	8	04/00/49	8	19	12	04/00/49	18	1.1	H	D	CE CD 18
POTOMAC	F	30	22	07/31/53	22	84	60	07/31/53	-	1.0	H	D	CE CD 19
POTOMAC	H	65	60	07/07/53	60	80	25	07/07/53	-	1.3	H	D	CE CD 20
POTOMAC	F	15	-	-	-	-	-	-	-	-	H		CE CD 21
POTOMAC	S	140	23.53	12/08/53	-	-	-	-	-	-	H		CE CD 23
POTOMAC	S	85	18	12/08/53	-	-	-	-	-	-	H		CE CD 24
POTOMAC	H	185	-	-	-	-	-	-	-	-	H		CE CD 25
POTOMAC	V	18	15	07/15/53	11	25	30	07/15/53	8	2.1	N	D	CE CD 26
POTOMAC	F	5	-	-	-	-	-	-	-	-	C	D	CE CD 27
POTOMAC	F	10	1	05/01/53	1	3	25	05/01/53	10	12.5	H	D	CE CD 28
POTOMAC	F	80	7	12/10/53	-	-	-	-	-	-	H		CE CD 29
POTOMAC	F	20	9	00/00/48	-	-	-	-	-	-	T		CE CD 30
POTOMAC	F	20	-	-	-	-	-	-	-	-	T		CE CD 31
POTOMAC	F	35	45	04/17/50	45	52	5	04/17/50	3	.7	H	D	CE CD 32
POTOMAC	F	10	-	-	-	-	-	-	-	-	P		CE CD 33
POTOMAC	V	15	-	-	-	-	-	-	-	-	C		CE CD 34
POTOMAC	S	100	100	04/10/80	97	116	75	11/22/55	8	3.9	R	D	CE CD 35
POTOMAC	F	25	-	-	-	-	-	-	-	-	H		CE CD 36
-	F	50	-	-	-	-	-	-	-	-	U	D	CE CD 37
POTOMAC	F	30	35	09/20/58	35	50	7	09/20/58	8	.5	T	D	CE CD 38
POTOMAC	F	45	-	-	-	-	-	-	-	-	U	D	CE CD 39
POTOMAC	F	65	-	-	-	-	-	-	-	-	U	D	CE CD 40
POTOMAC	F	35	19.50	01/25/60	19.50	83	50	01/25/60	16	.8	T	D	CE CD 41

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE CD 42	-	ELK NECK STATE FOREST	-	- -	-	-	4	-	-	-	-
CE CD 43	CE-00-5756	ELK NECK STATE FOREST	LAYNE ATLANTIC	1950 A	232	227	4	217	-	217- 227	S
CE CD 44	CE-04-5547	ELK NECK STATE FOREST	ENNIS	1954 J	225	214	6	204	6	204- 214	S
CE CD 45	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1965 B	60	-	-	-	-	-	-
CE CD 46	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1969 B	40	-	-	-	-	-	-
CE CD 47	-	MD STATE HIGHWAY ADM	STATE HWY ADM	1972 W	35	-	-	-	-	-	-
CE CD 48	CE-73-1024	ELK NECK STATE FOREST	NEWNAM	1974 C	174	174	6 4	161 164	6	164- 174	S
CE CD 49	CE-67-0341	SHEPHERD, JAMES	SHORE	1967 J	240	240	4 2	160 230	3	230- 240	S
CE CD 50	CE-73-0498	HARTS METHODIST CHURCH	NEWNAM	1973 C	365	365	4 2	218 355	3	355- 365	S
CE CD 51	CE-81-0440	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	156	125	4	120	2	120- 125	S
CE CD 52	CE-81-0440	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	156	48	4	43	2	43- 48	S
CE CD 53	CE-81-0463	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	495	350	4	345	2	345- 350	S
CE CD 54	CE-73-2685	MCKINNEY, MARK	NEWNAM	1978 C	129	129	4 2	114 124	3	124- 129	S
CE CD 55	-	FOREAKER, JAYNE	OWNER	1952 D	15	15	48	15	-	-	O
CE CD 56	-	FOREAKER, JAYNE	OWNER	1962 D	17	17	48	17	-	-	O
CE CD 57	CE-73-3203	NE RIVER AWT FACILITY	DIFILIPPO	1979 H	100	98	6	93	6	93- 98	S
CE CD 58	CE-70-0078	CALOTEX OF DELAWARE INC	KIELKOPF	1969 H	127	127	4	119	-	119- 127	S
CE CD 59	CE-70-0207	MCDANIEL YACHT BASIN	NEWNAM	1970 C	75	75	6 4	65 70	4	70- 75	S
CE CD 60	CE-05-3517	MCDANIEL YACHT BASIN	ENNIS	1963 J	36	36	4	31	-	31- 36	S
CE CD 61	CE-71-0185	NORTHEAST RIVER YACHT CLUB	NEWNAM	1971 C	68	68	6	63	6	63- 68	S
CE CD 62	CE-65-0111	PLUMB CREEK MARKET	NEWNAM	1964 J	96	96	4 2	90 91	4	91- 96	S
CE CD 63	CE-03-9708	BAY BOAT WORKS	ENNIS	1960 J	123	118	4	113	-	113- 118	S
CE CD 64	CE-73-2771	JACKSON MARINE SALES	NEWNAM	1978 C	92	92	6 4	81 87	5	87- 92	S
CE CD 65	CE-72-0018	MAGDEBURGER, R P	NEWNAM	1971 C	53	53	4 2	45 48	3	48- 53	S
CE CD 66	CE-04-5964	MORNING CHEER (SANDY COVE)	ENNIS	1962 J	274	274	6 4	109 269	-	269- 274	S
CE CD 67	CE-73-3229	MORNING CHEER (SANDY COVE)	NEWNAM	1979 C	88	88	6 4	81 83	6	83- 88	S
CE CD 68	CE-03-8247	THE ANCHORAGE	ENNIS	1960 J	69	69	4	64	-	64- 69	S
CE CD 69	-	CAMP RODNEY BSA	NEWNAM	1956 -	150	150	4	113 145	-	145- 150	S
CE CD 70	CE-02-3730	CAMP RODNEY BSA	NEWNAM	1956 J	205	205	4	199 200	-	200- 205	S
CE CD 71	CE-69-0267	CAMP RODNEY BSA	SHORE	1969 J	130	130	8	111	6	111- 130	S
CE CD 72	CE-03-5358	CAMP RODNEY BSA	NEWNAM	1960 J	350	350	4	207 340	3	340- 350	S
CE CD 73	CE-73-2119	CAMP RODNEY BSA	DELMARVA	1977 H	321	308	4	288	4	288- 308	G
CE CD 74	CE-02-5182	RED POINT MANOR	NEWNAM	1956 J	108	108	4	101 103	-	103- 108	S
CE CD 75	CE-67-0404	RED POINT BEACH	ENNIS	1967 -	91	91	4	85 86	-	86- 91	S
CE CD 76	CE-81-0347	ANDREE, WILLIAM	DIFILIPPO	1982 A	62	62	6	55	6	55- 62	S
CE CD 77	CE-81-0411	GRANGER, MICHAEL	DIFILIPPO	1982 A	70	68	6	63	6	63- 68	S
CE CD 78	CE-73-3931	THE BEACHCOMBER RESTAURANT	KIRK	1981 C	50	50	6	45	6	45- 50	S
CE CD 79	CE-81-0183	DOYLE, GLEN	NEWNAM	1982 J	102	102	4 2	95 97	3	97- 102	S
CE CD 80	CE-70-0018	SHINN, CHARLES	HAMILTON	1969 H	63	63	6	58	-	58- 63	S
CE CD 81	CE-67-0046	BUTLER, WILBUR	P & H	1966 H	75	70	6	65	5	65- 70	S
CE CD 82	CE-03-4493	HANCE'S POINT YACHT CLUB	ENNIS	1959 J	79	79	4	74	-	74- 79	S
CE CD 83	CE-69-0084	TRAINER, THOMAS W	ENNIS	1968 J	73	73	4	68	-	68- 73	S
CE CD 84	CE-68-0220	TOME, CHARLES	P & H	1968 H	240	240	6	145	-	-	X
CE CE 1	CE-01-0554	IRWIN, JOHN H	WALTON	1952 C	23	23	8	17	-	17- 23	P
CE CE 2	CE-01-0553	IRWIN, JOHN H	WALTON	1952 C	120	26	8	26	8	16- 22	P
CE CE 3	CE-00-9251	MILLER, GEORGE	UNRUH	1950 C	135	135	4	127	3	127- 135	S
CE CE 4	CE-00-9245	TOTHERO, MARTIN	UNRUH	1950 J	117	117	4	112	3	112- 117	S
CE CE 5	CE-01-1025	DAVIS, H V	ENNIS	1952 C	50	50	4	45	-	45- 50	S
CE CE 6	-	BREDA, C	OWNER	1923 D	12	12	-	-	-	-	X
CE CE 7	-	BASALYGO, M	OWNER	1933 D	55	55	48	55	-	-	O
CE CE 8	-	LANGNER, CHARLES	-	1943 D	28	28	48	28	-	-	W
CE CE 9	-	HOWARD, P S	-	- D	18	18	36	18	-	-	W
CE CE 10	CE-01-1032	STRECKER	ENNIS	1952 J	43	43	4	33 38	-	38- 43	S
CE CE 11	-	JEWELL, GEORGE	-	- D	30	30	48	30	-	-	W
CE CE 12	-	ARUNDEL CORP	-	- D	26	26	-	26	-	-	-
CE CE 13	-	DUDKEWITZ, PETE	-	- V	12	12	2	-	-	-	T
CE CE 14	-	KUSZMAUL, L F	-	- C	115	115	-	-	-	-	-
CE CE 15	-	LEVERING, H	ENNIS	- C	192	192	-	-	-	-	-
CE CE 16	-	LEVERING, H	-	- D	20	20	-	20	-	-	-
CE CE 17	-	HOLZMAN, M B	-	- D	11	11	48	11	-	-	-

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
-	S	170	-	-		-	-	-	-	-	U		CE CD 42
POTOMAC	F	165	159	05/11/50	159	-	45	05/11/50	8	-	H	D	CE CD 43
POTOMAC	F	165	160	08/23/54	160	-	45	08/23/54	16	-	T	D, QH	CE CD 44
-	F	70	-	-	-	-	-	-	-	-	U	D	CE CD 45
-	F	35	21	11/05/69	-	-	-	-	-	-	U	D	CE CD 46
-	V	7	3	08/15/72	-	-	-	-	-	-	U	D	CE CD 47
POTOMAC	F	195	153	12/13/74	153	168	30	12/13/74	20	2.0	H	QH	CE CD 48
POTOMAC	F	140	106	05/16/67	106	145	30	05/16/67	16	.8	H	D	CE CD 49
POTOMAC	S	190	185	11/12/73	185	202	30	11/12/73	16	1.8	H	D	CE CD 50
POTOMAC	F	70	51.76	11/29/82	-	-	3	11/18/82	3	-	U	G,J,E,QH,WM	CE CD 51
POTOMAC	F	70	28.89	11/29/82	-	-	.5	11/18/82	2	-	U	G,J,E ,WM	CE CD 52
POTOMAC	W	135	127.84	03/04/83	-	175	8	12/21/82	5	-	U	G,A,J,E,QH,WC	CE CD 53
POTOMAC	S	55	52.69	12/10/82	47	105	15	12/12/78	6	.3	H	D	CE CD 54
POTOMAC	F	125	13.27	12/10/82	-	-	-	-	-	-	H		CE CD 55
POTOMAC	F	125	11.93	12/10/82	-	-	-	-	-	-	H		CE CD 56
POTOMAC	F	45	18	11/12/79	18	88	15	11/12/79	52	.2	T	D, QH	CE CD 57
POTOMAC	F	38	31.50	09/15/69	31.50	100	50	09/15/69	4	.7	N	D	CE CD 58
POTOMAC	V	12	11	05/06/70	11	65	30	05/06/70	8	.6	C	D, QH	CE CD 59
POTOMAC	F	8	5.80	08/13/63	5.80	34	60	08/13/63	16	2.1	C	D	CE CD 60
POTOMAC	S	18	17	03/05/71	17	45	50	03/05/71	10	1.8	C	D	CE CD 61
POTOMAC	F	21	20	09/19/64	20	94	12	09/19/64	16	.2	C	D	CE CD 62
POTOMAC	F	10	9	07/15/60	-	-	-	-	-	-	C	D	CE CD 63
POTOMAC	F	10	5	12/28/78	5	63	50	12/28/78	10	.9	P	D	CE CD 64
POTOMAC	F	50	16	08/02/71	16	40	25	08/02/71	6	1.0	C	D	CE CD 65
POTOMAC	S	85	83	05/31/62	83	-	40	05/31/62	16	-	R	D	CE CD 66
POTOMAC	F	21	34	12/19/79	34	42	50	12/19/79	6	6.3	R	D	CE CD 67
POTOMAC	F	41	31	04/09/60	31	68	19	04/09/60	16	.5	C	D	CE CD 68
POTOMAC	S	50	49	00/00/56	49	83	60	00/00/56	-	1.8	R	D	CE CD 69
POTOMAC	F	35	40	06/28/56	40	84	50	06/28/56	16	1.1	H	D	CE CD 70
POTOMAC	F	45	44	06/10/69	44	64	75	06/10/69	20	3.8	T	D, QH	CE CD 71
POTOMAC	S	190	179	04/13/60	179	203	30	04/13/60	32	1.3	H	D	CE CD 72
POTOMAC	S	195	185	07/28/77	185	250	20	07/28/77	9	.3	H	D	CE CD 73
POTOMAC	H	65	51.50	12/18/56	51.50	84	40	12/18/56	16	1.2	P	D	CE CD 74
POTOMAC	F	20	19	06/30/67	19	83	60	06/30/67	16	.9	P	D	CE CD 75
POTOMAC	V	35	20	07/21/81	20	40	12	07/21/82	6	.6	H	D	CE CD 76
POTOMAC	F	18	20	09/16/82	20	35	10	09/16/82	6	.7	H	D	CE CD 77
POTOMAC	F	18	20	08/15/81	20	30	5	08/15/81	6	.5	C	D	CE CD 78
POTOMAC	S	45	43	03/08/82	43	76	30	03/08/82	6	.9	H	D	CE CD 79
POTOMAC	H	15	15	09/11/69	15	-	100	09/11/69	3	-	H	D	CE CD 80
POTOMAC	S	35	35	08/31/66	35	-	100	08/31/66	-	-	H	D	CE CD 81
POTOMAC	F	20	16.60	05/07/59	16.60	73	50	05/07/59	8	.9	C	D	CE CD 82
POTOMAC	F	20	18.75	10/15/68	18.75	72	40	10/15/68	16	.8	H	D	CE CD 83
JAMES RUN LOWER	F	35	32	07/11/68	-	-	1	07/11/68	-	-	H	D	CE CD 84
POTOMAC	S	80	14.70	10/28/52	10	20	4	07/29/52	8	.4	H	D	CE CE 1
POTOMAC	S	78	6	07/25/52	6	20	4	07/25/52	8	.3	H	D	CE CE 2
POTOMAC	F	20	35	07/00/50	35	90	6	07/00/50	12	.1	H	D	CE CE 3
POTOMAC	S	40	17	06/00/50	17	60	20	06/00/50	10	.5	H	D	CE CE 4
POTOMAC	S	15	15	09/23/52	15	48	20	09/23/52	-	.6	H	D	CE CE 5
MAGOTHY	F	45	-	-	-	-	-	-	-	-	H		CE CE 6
POTOMAC	F	50	47	00/00/47	-	-	-	-	-	-	H		CE CE 7
POTOMAC	F	30	16.10	10/19/79	-	-	-	-	-	-	H	WA	CE CE 8
PENSAUKEN	H	70	-	-	-	-	-	-	-	-	H		CE CE 9
POTOMAC	S	20	15	09/22/52	15	38	40	09/22/52	-	1.7	H	D	CE CE 10
MAGOTHY	F	65	-	-	-	-	-	-	-	-	H		CE CE 11
POTOMAC	F	15	23	07/14/53	-	-	-	-	-	-	H		CE CE 12
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 13
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 14
POTOMAC	S	40	-	-	-	-	-	-	-	-	H		CE CE 15
POTOMAC	S	40	9.50	07/17/53	-	-	-	-	-	-	H		CE CE 16
POTOMAC	F	10	7.68	07/16/53	-	-	-	-	-	-	H		CE CE 17

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE CE 18	-	TAYLOR, ED	-	- V	12	12	1	-	-	-	T
CE CE 19	-	OTT, HARRY	-	- D	9	9	-	9	-	-	-
CE CE 20	-	BISHEL, THOMAS E SR	-	- V	30	30	2	-	-	-	T
CE CE 21	-	KIRSCHBAUM, C	-	- D	18	18	48	18	-	-	-
CE CE 22	CE-01-0345	WOOD, GENE	UNRUH	1952 C	201	201	4	196	4	196- 201	S
CE CE 23	-	BERG, H V	-	- -	110	110	-	75 110	-	-	T
CE CE 24	-	LITTLE, LEONARD M	UNRUH	- C	295	295	-	-	-	-	-
CE CE 25	-	WALTERS, WILLIAM	-	- D	16	16	-	16	-	-	-
CE CE 26	CE-00-0700	BOSTWICK, HOWARD R SR	ENNIS	1947 J	63	63	4	58	-	58- 63	S
CE CE 27	-	MASSEY, SAMUEL	-	- D	27	27	-	27	-	-	-
CE CE 28	-	LITTLEWOOD, A	ENNIS	- C	144	144	-	-	-	-	S
CE CE 29	-	LITTLEWOOD, A A	ENNIS	- C	245	245	-	-	-	-	S
CE CE 30	-	SCHRIBER, A T	-	- V	8	8	1	-	-	-	T
CE CE 31	-	FIRTH, T	-	- D	12	12	-	12	-	-	-
CE CE 32	-	MAJOR, A J	-	- D	18	18	-	18	-	-	W
CE CE 33	-	NICKERSON, S M	-	- D	17	17	-	17	-	-	-
CE CE 34	-	WHITE, W J	ENNIS	1952 J	72	72	-	-	-	-	S
CE CE 35	-	ECKLES, L C	UNRUH	- C	131	131	-	-	-	-	S
CE CE 36	-	SLAUGHTER, W G	UNRUH	- J	145	145	-	-	-	-	-
CE CE 37	-	JERVIS, ALFRED	UNRUH	- C	238	238	-	-	-	-	S
CE CE 38	-	HECTOR	UNRUH	- C	242	242	-	-	-	-	S
CE CE 39	-	POWELL, E H	UNRUH	- C	67	67	-	-	-	-	S
CE CE 40	CE-00-5786	DAVIS, H V	ENNIS	1950 J	54	54	4	46	-	49- 54	S
CE CE 41	-	CLEMENTS	ENNIS	1940 -	-	-	-	-	-	-	-
CE CE 42	-	HENDERSON, E	MIDDLETOWN	1953 J	264	264	6	259	-	259- 264	S
CE CE 43	CE-00-0025	MELLEN, WINTHROP W	ENNIS	1945 J	202	202	6	192	4	192- 202	S
CE CE 45	-	HENDERSON, DWIGHT	-	- D	70	70	-	70	-	-	W
CE CE 46	-	RACINE, WILLIAM P	-	- V	41	41	1	-	-	-	T
CE CE 47	-	ARUNDEL CORP	-	- D	-	-	-	-	-	-	-
CE CE 48	-	MARTINUK, PETER	-	- C	90	90	6	90	-	-	O
CE CE 49	-	MARTINUK, PETER	-	- C	100	100	4	-	-	-	-
CE CE 50	-	PEROVICH, J	-	- D	43	43	36	43	-	-	O
CE CE 51	CE-73-0470	SCARFE, EDWARD	DELMARVA	1973 H	359	358	4	338	4	338- 358	G
CE CE 52	CE-73-2280	HARBOUR VIEW INC	DELMARVA	1977 H	120	90	4	80	4	80- 90	G
CE CE 53	CE-73-2769	SUNRISE VENTURE	DELMARVA	1979 H	320	-	-	-	-	-	-
CE CE 54	CE-81-0461	U S GEOLOGICAL SURVEY	SCHULTES	1982 H	279	250	4	245	2	245- 250	S
CE CE 55	CE-81-0465	U S GEOLOGICAL SURVEY	SCHULTES	1983 H	624	375	4	370	2	370- 375	S
CE CE 56	CE-81-0466	U S GEOLOGICAL SURVEY	SCHULTES	1983 H	420	121	4	116	2	116- 121	S
CE CE 57	CE-73-3908	PINE HILLS WATER SUPPLY	SCHULTES	1981 H	284	265	6	240	6	240- 265	G
CE CE 58	CE-04-4723	PINE HILLS WATER SUPPLY	ENNIS	1961 J	272	272	6	251 262	-	262- 272	S
CE CE 59	CE-73-3831	WALLS, ALLAN	WOOD	1981 H	192	192	4 2	120 172	2	172- 192	G
CE CE 60	CE-73-3929	ELK RIVER FARM	NEWNAM	1981 J	112	112	4 2	104 107	3	107- 112	S
CE CE 61	CE-73-2410	HARBOUR VIEW INC	DELMARVA	1978 H	113	105	6	85	6	85- 105	G
CE CE 62	CE-72-0405	TITTER, DAVID	NEWNAM	1972 C	124	124	4 2	116 119	3	119- 124	S
CE CE 63	CE-70-0265	ALEXANDER, ANTHONY	KIELKOPF	1970 H	108	108	4	100	4	100- 108	S
CE CE 64	CE-69-0071	TITTER, RICHARD	NEWNAM	1969 J	106	106	6 4	98 101	6	101- 106	S
CE CE 65	CE-05-5320	HUCKMAN, BOE	KIELKOPF	1963 H	162	162	4	154	-	154- 162	S
CE CE 66	CE-69-0061	ELK HAVEN MARINA	NEWNAM	1968 J	168	168	4 2	159 163	3	163- 168	S
CE CE 67	CE-73-3064	TRITON MARINA	NEWNAM	1979 C	127	127	4 2	120 122	3	122- 127	S
CE CE 68	CE-73-0198	LANGNER, CHARLES	NEWNAM	1972 C	63	63	4	52	3	58- 63	S
CE CE 69	CE-65-0067	FRENCHTOWN TAVERN INC	DIFILIPPO	1964 C	110	102	6	102	-	-	O
CE CE 70	CE-73-0719	SCARFE, EDWARD	SHORE	1974 C	420	420	4 2	295 410	-	410- 420	S
CE CE 71	CE-73-2944	SUNRISE VENTURE	SHORE	1979 C	280	280	4 2	253 270	3	270- 280	S
CE CE 72	CE-73-3292	SUNRISE VENTRUE	KELLY	1980 H	50	50	4	40	4	40- 50	G
CE CE 73	CE-73-3427	WOOD CREST SHORES	NEWNAM	1980 C	192	192	4 2	184 187	3	187- 192	S
CE CE 74	CE-71-0012	ELKSIDE CIVIC ASSOCIATION	NEWNAM	1970 C	281	181	6 4	271 271	- -	271- 276 276- 781	S
CE CE 75	CE-81-0182	LLOYD, NOEL	MCCREARY	1982 H	201	198	4	188	4	188- 198	G
CE CE 76	CE-66-0526	MAJOR, A J	ENNIS	1966 J	124	124	4	118 119	-	119- 124	S
CE CE 77	CE-81-0698	BROOKS, WILLIAM	SHORE	1983 J	343	343	4 2	296 333	3	333- 343	S
CE CE 78	CE-67-0047	GALLAGHER, LEO	IDEAL WELL	1966 H	162	160	4	152	4	152- 160	G
CE CE 79	CE-73-2313	VAUGHN, THOMAS	SHORE	1978 C	157	157	4 3	127 152	3	152- 157	S
CE CF 1	-	MD STATE HIGHWAY ADM	USGS	1949 V	10	10	1 1	8 8	1	8- 10	T
CE CF 2	-	TOWN OF CHESAPEAKE CITY	RULON	1937 J	285	285	10 6	125 270	6	270- 285	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 18
POTOMAC	F	10	6.40	07/16/53	-	-	-	-	-	-	H		CE CE 19
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 20
POTOMAC	F	20	5.80	07/17/53	-	-	-	-	-	-	H		CE CE 21
POTOMAC	F	20	4.40	07/17/53	6	85	30	06/30/52	10	0.4	H	D	CE CE 22
POTOMAC	H	65	-	-	-	-	-	-	-	-	H		CE CE 23
POTOMAC	F	60	-	-	-	-	-	-	-	-	H	D	CE CE 24
PENSAUKEN	F	65	-	-	-	-	-	-	-	-	H		CE CE 25
POTOMAC	F	6	4.50	05/16/47	4.50	40	50	05/16/47	-	1.4	H	D	CE CE 26
MAGOTHY	H	65	8	08/27/53	-	-	-	-	-	-	H		CE CE 27
POTOMAC	H	65	-	-	-	-	-	-	-	-	H	D	CE CE 28
POTOMAC	F	10	-	-	-	-	-	-	-	-	H	D	CE CE 29
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 30
POTOMAC	F	10	-	-	-	-	-	-	-	-	H		CE CE 31
PENSAUKEN	H	64	11.63	10/19/79	-	-	-	-	-	-	H	WI	CE CE 32
MATAWAN	F	69	-	-	-	-	-	-	-	-	H		CE CE 33
POTOMAC	S	30	-	-	-	-	-	-	-	-	H	D	CE CE 34
POTOMAC	F	10	-	-	-	-	-	-	-	-	H	D	CE CE 35
POTOMAC	H	60	-	-	-	-	-	-	-	-	H	D	CE CE 36
POTOMAC	S	45	-	-	-	-	-	-	-	-	H	D	CE CE 37
POTOMAC	S	25	-	-	-	-	-	-	-	-	H	D	CE CE 38
POTOMAC	F	10	-	-	-	-	-	-	-	-	H	D	CE CE 39
POTOMAC	S	18	16.90	04/27/50	16.90	40	40	04/27/50	-	1.7	H	D	CE CE 40
POTOMAC	S	15	-	-	-	-	-	-	-	-	H		CE CE 41
POTOMAC	S	190	-	-	-	-	-	-	-	-	H	D	CE CE 42
POTOMAC	S	40	27	09/25/45	27	40	25	09/25/45	21	1.9	H	D	CE CE 43
POTOMAC	S	125	-	-	-	-	-	-	-	-	H		CE CE 45
POTOMAC	H	90	-	-	-	-	-	-	-	-	H		CE CE 46
POTOMAC	S	50	-	-	-	-	-	-	-	-	H		CE CE 47
POTOMAC	S	75	-	-	-	-	-	-	-	-	H		CE CE 48
POTOMAC	H	80	-	-	-	-	-	-	-	-	H		CE CE 49
POTOMAC	H	250	40.42	12/08/53	-	-	-	-	-	-	S		CE CE 50
POTOMAC	H	250	217	08/02/73	217	237	1	08/02/73	7	<.1	U	D,J	CE CE 51
POTOMAC	F	25	25	11/11/77	25	50	35	11/11/77	4	1.4	P	D	CE CE 52
POTOMAC	S	135	-	-	-	-	-	-	-	-	U	J,E	CE CE 53
POTOMAC	F	180	136.79	03/04/83	-	-	10	12/07/82	4	-	U	G,E,J,A,QH,WC	CE CE 54
POTOMAC	F	55	51.12	03/25/83	51	130	45	01/24/83	2	.6	U	G,E,J,A,QH,WC	CE CE 55
POTOMAC	F	38	29.63	04/27/83	33	110	38	02/09/83	4	.5	U	G,E,J,A,QH,WC	CE CE 56
POTOMAC	S	118	92.30	07/01/81	92.30	105.60	104	07/01/81	24	7.8	P	E,J,D,QH	CE CE 57
POTOMAC	S	118	90	11/15/61	90	168	100	11/15/61	28	1.3	P	D	CE CE 58
POTOMAC	S	55	50	05/20/81	50	100	30	05/20/81	5	.6	H	D	CE CE 59
POTOMAC	H	65	52	06/15/81	52	84	30	06/15/81	8	.9	H	QH	CE CE 60
POTOMAC	F	30	21	07/14/78	21	50	35	07/14/78	6	1.2	P	D	CE CE 61
POTOMAC	H	65	48	10/16/72	48	70	30	10/16/72	7	1.4	H	D	CE CE 62
POTOMAC	F	50	49	09/22/70	49	80	20	09/22/70	2	.6	H	D,QH	CE CE 63
POTOMAC	S	35	33	04/21/69	33	83	60	04/21/69	10	1.2	R	D	CE CE 64
POTOMAC	H	58	49.25	12/05/63	49.25	70	40	12/05/63	4	1.9	H	D	CE CE 65
POTOMAC	H	50	45	09/05/68	45	115	20	09/05/68	8	.3	C	D	CE CE 66
POTOMAC	F	5	2	10/02/79	2	20	20	10/02/79	6	1.1	C	D	CE CE 67
POTOMAC	F	15	19	11/26/72	19	42	14	11/26/72	6	-	H		CE CE 68
POTOMAC	F	10	6	07/16/64	6	20	15	07/16/64	2	1.1	C	D	CE CE 69
POTOMAC	H	250	220	02/13/74	220	250	30	02/13/74	18	1.0	H	D	CE CE 70
POTOMAC	S	135	130	05/11/79	130	168	40	05/11/79	8	1.1	H	D	CE CE 71
POTOMAC	F	80	31	02/18/80	31	40	2	02/18/80	1	.2	C	D	CE CE 72
POTOMAC	S	60	52	07/31/80	52	140	15	07/31/80	10	.2	H	D	CE CE 73
POTOMAC	F	20	17	08/14/70	17	84	40	08/14/70	12	.6	P	D	CE CE 74
POTOMAC	F	70	71	02/16/82	71	104	10	02/16/82	8	.3	H	D	CE CE 75
POTOMAC	H	65	62.20	05/20/66	62.20	123	45	05/20/66	16	.7	H	D	CE CE 76
POTOMAC	S	230	215	09/08/83	215	280	20	09/08/83	10	.3	H	D	CE CE 77
POTOMAC	S	40	15	08/06/66	15	150	100	08/06/66	2	.7	H	D	CE CE 78
POTOMAC	H	74	59	02/20/78	59	84	30	02/20/78	8	1.2	H	D	CE CE 79
POTOMAC	F	10	4.80	09/09/49	-	-	-	-	-	-	U	WM	CE CF 1
POTOMAC	F	28	80	02/16/53	-	-	95	02/11/55	-	-	P	QH	CE CF 2

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE CF 3	-	U S ARMY CORPS OF ENG	U S ARMY	1935 V	100	100	4	-	-	-	T
CE CF 4	-	U S ARMY CORPS OF ENG	U S ARMY	1923 J	780	780	8	-	-	-	-
CE CF 5	CE-01-0821	LOSTEN'S DAIRY	UNRUH	1952 C	150	147	8	124	8	124- 147	S
CE CF 6	-	VANDENHEUBEL, H	OWNER	1952 D	34	34	48	34	-	-	W
CE CF 7	-	PRICE, L	-	- D	16	16	30	16	-	-	W
CE CF 8	-	-	-	- D	15	15	48	15	-	-	W
CE CF 9	CE-00-1603	MILLER LUMBER CO	ENNIS	1947 C	276	276	4	-	-	-	S
CE CF 10	-	MILLER, H K	ENNIS	1943 C	51	51	6	51	-	-	O
CE CF 11	-	SPEED, F R	SAVIN	1949 V	22	22	1	-	-	-	T
CE CF 12	-	WHARTON, CHARLES R	-	1940 C	100	100	6	100	-	-	O
CE CF 13	-	ST BASILS ORPHANAGE	ARKTINI	1916 C	200	200	3	-	-	-	-
CE CF 14	-	MARINE CONSTRUCTION CO	-	- D	18	18	48	18	-	-	W
CE CF 15	-	BARKER, GUS	OWNER	1945 D	16	16	42	16	-	-	W
CE CF 16	-	WHARTON, C R	ENNIS	1945 J	147	147	4	-	-	-	S
CE CF 17	-	KANE, MORRIS SR	ENNIS	1944 J	202	202	4	193	-	193- 202	S
CE CF 18	-	MCNATT, DAVID	PENTZ	1947 J	190	190	4	-	-	-	S
CE CF 19	-	BRADY, WILLIAM	ENNIS	1941 C	242	242	4	-	-	-	S
CE CF 20	-	PRUTZMAN, H	ENNIS	1952 J	145	145	4	-	-	-	S
CE CF 21	-	OTT, E L	-	- D	33	33	-	33	-	-	-
CE CF 22	-	EMERLE, JOSEPH	-	- D	18	18	48	18	-	-	-
CE CF 23	-	HUTTON, FRANK	-	- D	20	20	48	20	-	-	-
CE CF 24	-	CONSTABLE, RIDGELY	-	- D	13	13	36	13	-	-	-
CE CF 25	-	REDSHAW, DAVID	-	- D	7	7	36	7	-	-	-
CE CF 26	-	WILLIAMS, WALLACE JR	-	- D	12	12	48	12	-	-	-
CE CF 27	-	WILLIAMS, WALLACE JR	-	- D	24	24	-	24	-	-	-
CE CF 28	-	WILLIAMS, WALLACE JR	ENNIS	1943 C	363	363	-	-	-	-	-
CE CF 29	-	SCHNEIDER, J	-	1952 D	10	10	36	10	-	-	O
CE CF 30	-	BLANKTON, FRANK	-	- C	-	-	4	-	-	-	-
CE CF 31	-	ROSS, B F	ENNIS	- C	241	241	5	-	-	-	-
CE CF 32	CE-00-0666	FEHLHABER PILE CO	ENNIS	1946 J	108	108	6	98	-	-	S
CE CF 33	CE-00-2295	ROSIN, MARION H	ENNIS	1948 J	149	149	4	144	-	144- 149	S
CE CF 34	SAME WELL AS CE CF 9										
CE CF 35	-	WILLIAMS, WALLACE	-	- D	12	12	-	12	-	-	-
CE CF 36	-	WILLIAMS, WALLACE	-	- D	29	29	48	29	-	-	O
CE CF 37	-	SHWYKIA, HELEN	-	- D	12	12	-	12	-	-	-
CE CF 38	-	FOARD, THOMAS L	-	- D	55	55	96	55	-	-	W
CE CF 39	-	STUBBS, GEORGE	-	- D	14	14	48	14	-	-	-
CE CF 40	-	STUBBS, EDWARD	-	- D	26	26	-	26	-	-	-
CE CF 41	-	CALDWELL, S D	-	- D	25	25	-	25	-	-	-
CE CF 42	-	IRWIN, C	-	- D	27	27	-	27	-	-	W
CE CF 43	-	RENAPPI CORP	-	- D	25	25	-	25	-	-	-
CE CF 44	-	TITTER BROS.	-	- D	20	20	-	20	-	-	-
CE CF 45	-	BANK, ALBERT	-	- D	29	29	-	29	-	-	-
CE CF 46	CE-01-3654	MILLER FARMS INC	ENNIS	1953 J	176	176	6	165 166	-	166- 176	S
CE CF 47	CE-04-3990	FOARD, THOMAS L	ENNIS	1961 J	120	120	4	114 115	-	115- 120	S
CE CF 48	CE-67-0143	FOARD, THOMAS L	LAYNE NY	1966 H	695	608	8 6 3	519 551 580	3 3	598- 608 580- 585	G
CE CF 49	CE-67-0188	FOARD, THOMAS L	LAYNE NY	1966 H	427	410	8 6	288 390	6	390- 410	G
CE CF 50	CE-03-3027	TOWN OF CHESAPEAKE CITY	LAYNE ATLANTIC	1958 H	237	226	8 6	135 216	6	216- 226	S
CE CF 51	CE-03-2717	TOWN OF CHESAPEAKE CITY	LAYNE ATLANTIC	1958 H	443	443	20 8	117 137	8 8	137- 147 153- 163	S
CE CF 52	CE-67-0231	FOARD, THOMAS L	LAYNE NY	1966 H	431	418	6	408	4	408- 418	G
CE CF 53	CE-67-0232	FOARD, THOMAS L	LAYNE NY	1966 A	431	408	4	398	4	398- 408	G
CE CF 54	CE-67-0356	FOARD, THOMAS L	SHORE	1967 J	98	98	4 2	89 93	3	93- 98	S
CE CF 55	CE-73-0022	BOHEMIA MANOR HIGH SCHOOL	NEWNAM	1972 C	279	279	6 4	231 269	6 6	269- 274 274- 279	S
CE CF 56	CE-02-5799	BOHEMIA MANOR HIGH SCHOOL	ENNIS	1957 J	250	202	6	197	-	197- 202	S
CE CF 57	CE-69-0294	ALGER OIL CO	SHORE	1969 J	329	329	4 2	212 324	3	324- 329	S
CE CF 58	CE-73-2874	HUTTON, ALBERT	SEWARD	1979 B	20	20	36	20	-	-	O
CE CF 59	CE-81-0046	SKIBINSKI, DAVID	KIELKOPF	1981 H	201	201	4	193	3	193- 201	S
CE CF 60	CE-05-0382	EMMANUEL CH OF BRETHREN	ENNIS	1962 J	204	204	4	198 199	-	199- 204	S
CE CF 61	-	IRWIN, C	-	- D	31	31	-	31	-	-	W
CE CF 62	CE-73-1372	CECIL CO ASSOC RETARDED	NEWNAM	1975 C	355	355	4 2	233 345	3	345- 355	-
CE CF 63	CE-73-3202	HALL'S TRAILER PARK	SEWARD	1979 B	24	24	36	24	-	-	O
CE CF 64	CE-73-3431	BAKERS RESTAURANT	NEWNAM	1980 C	75	75	4 2	60 70	3	70- 75	S
CE CF 65	CE-02-8667	ST BASIL'S CHURCH	ENNIS	1957 J	82	82	4	77	-	77- 82	S
CE CF 66	CE-71-0090	HOWARD, P S	NEWNAM	1970 C	186	186	4	181	-	181- 186	S
CE CF 67	CE-81-0419	BOHEMIAN MANOR CORP	WOOD	1982 H	178	178	4	140	2	163- 178	G

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	F	8	4.44	02/16/53	-	-	-	-	-	-	H	QH	CE CF 3
POTOMAC	F	25	-	-	-	-	-	-	-	-	U		CE CF 4
POTOMAC	F	45	28.45	02/16/53	30	72	300	09/13/52	10	7.1	N	D	CE CF 5
POTOMAC	F	35	30.57	02/17/53	-	-	-	-	-	-	H		CE CF 6
MAGOTHY	W	35	6.13	02/17/53	-	-	-	-	-	-	H		CE CF 7
PENSAUKEN	F	50	1	02/17/53	-	-	-	-	-	-	H		CE CF 8
POTOMAC	F	22	18	07/21/47	18	90	20	07/21/47	-	.3	H	D	CE CF 9
POTOMAC	F	22	12	09/19/43	-	-	-	-	-	-	H	D	CE CF 10
POTOMAC	H	25	10	02/17/53	-	-	-	-	-	-	H		CE CF 11
POTOMAC	S	50	31.83	02/17/53	-	-	-	-	-	-	C	D	CE CF 12
POTOMAC	H	65	-	-	-	-	-	-	-	-	T		CE CF 13
POTOMAC	F	10	8	02/17/53	-	-	-	-	-	-	C		CE CF 14
MAGOTHY	W	42	6	02/18/53	-	-	-	-	-	-	H		CE CF 15
POTOMAC	W	42	-	-	-	-	-	-	-	-	H	D	CE CF 16
POTOMAC	S	60	35	09/00/44	-	-	-	-	-	-	H	D	CE CF 17
POTOMAC	F	72	-	-	-	-	-	-	-	-	H	QH	CE CF 18
POTOMAC	F	43	-	-	-	-	15	12/17/41	-	-	H	D	CE CF 19
POTOMAC	S	63	50	09/30/52	-	-	-	-	-	-	H	D	CE CF 20
POTOMAC	S	40	-	-	-	-	-	-	-	-	H		CE CF 21
PENSAUKEN	F	75	12.31	07/15/53	-	-	-	-	-	-	H		CE CF 22
PENSAUKEN	H	80	12	07/15/53	-	-	-	-	-	-	H		CE CF 23
PENSAUKEN	F	62	9.39	07/15/53	-	-	-	-	-	-	H		CE CF 24
POTOMAC	W	45	1.88	07/15/53	-	-	-	-	-	-	H		CE CF 25
PENSAUKEN	F	55	5.75	07/15/53	-	-	-	-	-	-	H		CE CF 26
PENSAUKEN	H	78	12.07	07/15/53	-	-	-	-	-	-	S		CE CF 27
POTOMAC	H	78	-	-	-	-	-	-	-	-	H	D	CE CF 28
PENSAUKEN	F	65	7.25	07/16/53	-	-	-	-	-	-	H		CE CF 29
POTOMAC	F	62	-	-	-	-	-	-	-	-	H		CE CF 30
POTOMAC	F	70	-	-	-	-	-	-	-	-	S	D	CE CF 31
POTOMAC	F	30	12	08/07/46	12	60	80	08/07/46	35	1.7	N	D	CE CF 32
POTOMAC	F	10	8	04/00/48	8	80	60	04/00/48	16	.8	A	D	CE CF 33
													CE CF 34
PENSAUKEN	F	63	-	-	-	-	-	-	-	-	H		CE CF 35
POTOMAC	S	25	26.46	07/27/53	-	-	-	-	-	-	H		CE CF 36
POTOMAC	F	25	-	-	-	-	-	-	-	-	H		CE CF 37
POTOMAC	H	65	-	-	-	-	-	-	-	-	H		CE CF 38
PENSAUKEN	F	71	-	-	-	-	-	-	-	-	H		CE CF 39
PENSAUKEN	F	70	-	-	-	-	-	-	-	-	H		CE CF 40
MONMOUTH	F	65	19	08/05/53	-	-	-	-	-	-	H		CE CF 41
PENSAUKEN	F	65	21.43	08/05/53	-	-	-	-	-	-	H		CE CF 42
MATAWAN	F	25	-	-	-	-	-	-	-	-	H		CE CF 43
PENSAUKEN	H	63	-	-	-	-	-	-	-	-	C		CE CF 44
MERCHANTVILLE	F	62	10.62	09/01/53	-	-	-	-	-	-	S		CE CF 45
POTOMAC	H	85	73.36	11/18/53	74	98	100	10/23/53	19	4.2	P	D	CE CF 46
POTOMAC	H	65	51	08/14/61	51	-	30	08/14/61	16	-	H	D	CE CF 47
PATUXENT	F	65	55.41	03/30/67	58	140	172	09/14/66	8	2.1	U	D,E,J ,WM	CE CF 48
PATUXENT	F	65	54.91	03/30/67	60	88	200	10/28/66	8	7.1	U	D,E ,WC	CE CF 49
POTOMAC	F	28	30	11/29/58	30	102	300	11/29/58	8	4.2	P	D	CE CF 50
POTOMAC	F	25	13	12/17/58	13	112	410	12/17/58	8	4.1	P	D	CE CF 51
PATUXENT	F	65	58.01	11/25/66	-	-	-		-	-	U	D,E ,WC	CE CF 52
POTOMAC	F	60	54.99	11/18/66	-	-	-		-	-	U	D	CE CF 53
POTOMAC	F	25	19	07/08/67	19	50	40	07/08/67	10	1.3	U	D	CE CF 54
POTOMAC	H	65	57	08/11/72	57	190	60	08/11/72	19	.5	T	D	CE CF 55
POTOMAC	H	65	61	04/01/57	61	149	65	04/01/57	69	.7	T	D	CE CF 56
POTOMAC	H	65	60	05/29/69	60	105	30	05/29/69	16	.7	C	D	CE CF 57
POTOMAC	F	70	10	03/14/79	10	11	5	03/14/79	2	5.0	H	D	CE CF 58
POTOMAC	H	85	75	10/01/81	75	125	40	10/01/81	2	.8	H	D	CE CF 59
POTOMAC	H	85	75	12/24/62	75	-	45	12/24/62	16	-	T	D	CE CF 60
PENSAUKEN	F	65	23.80	10/22/79	-	-	-		-	-	H	WI	CE CF 61
POTOMAC	F	70	66	12/22/75	66	84	40	12/22/75	16	2.2	T	D,QH	CE CF 62
POTOMAC	V	55	8	12/18/79	8	12	5	12/18/79	2	1.3	P	D	CE CF 63
POTOMAC	H	65	10	07/15/80	10	42	15	07/15/80	8	.5	C	D	CE CF 64
MAGOTHY	H	65	49	10/08/57	49	80	30	10/08/57	8	1.0	T	D	CE CF 65
POTOMAC	H	65	64	10/30/70	64	83	40	10/30/70	6	2.1	C	D	CE CF 66
POTOMAC	H	65	55	09/23/82	55	100	20	09/23/82	5	.4	C	D	CE CF 67

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE CF 68	CE-73-3230	CHESAPEAKE LAND CO	DELMARVA	1979 H	200	190	4	180	4	180- 190	G
CE CF 69	CE-65-0307	CALOTEX OF DELAWARE INC	SHORE	1965 J	195	195	4 3	148 190	4	190- 195	S
CE CF 70	CE-73-3339	DAIRY CREME	NEWNAM	1980 C	204	204	4 3	193 199	3	199- 204	S
CE CF 71	CE-03-2173	EXXON SERVICE STATION	ENNIS	1958 J	139	139	4	133 134	-	134- 139	S
CE CF 72	-	CHESAPEAKE ESTATES	-	- -	300	300	8	-	-	-	S
CE CF 73	CE-69-0139	VFW POST 7687	KIELKOPF	1968 H	170	170	4	162	4	162- 170	S
CE CF 74	CE-73-3192	TOWN OF CHESAPEAKE CITY	DELMARVA	1979 R	272	267	10	247	10	247- 267	G
CE CF 75	CE-73-3827	LAND RECLAMATION INC	McCREARY	1981 H	53	45	4	38	4	38- 45	S
CE CF 76	CE-65-0384	BETHEL CEMETERY INC	ENNIS	1965 J	116	116	4	110 111	4	111- 116	S
CE CF 77	CE-73-2569	TOKASH, GEORGE	NEWNAM	1978 C	44	44	4	39	3	39- 44	S
CE CF 78	CE-81-0220	LOBURK, ELIZABETH	McCREARY	1982 H	300	275	4	265	4	265- 275	G
CE CF 79	CE-66-0103	BRANTWOOD GOLF CLUB	ENNIS	1965 J	220	220	4	171 210	3	210- 220	S
CE CF 80	CE-69-0316	BRANTWOOD GOLF CLUB	SHORE	1969 J	229	228	6 4	211 218	6	218- 228	S
CE CF 81	CE-73-1915	BRANTWOOD GOLF CLUB	SEWARD	1977 B	36	36	36	36	-	-	O
CE CF 82	CE-73-3221	BRANTWOOD GOLF CLUB	NEWNAM	1979 C	377	377	6 4	313 367	6	367- 377	S
CE CF 83	CE-03-4999	STUBBS, GEORGE T JR	ENNIS	1959 J	131	131	4	123 126	-	126- 131	S
CE CF 84	CE-68-0043	DICKERSON, R W	PETERS	1967 C	187	187	6 2	142 182	4	182- 187	S
CE CF 85	CE-03-4268	FRENCHTOWN SWIM CLUB	ENNIS	1959 J	187	187	4	179 187	-	182- 187	S
CE CF 86	CE-81-0892	BRANTWOOD LIQUORS	SHORE	1983 J	334	334	- 2	296 329	-	329- 334	T
CE CF 87	CE-81-0841	DAIL'S BODY SHOP	SHORE	1983 J	230	230	4 3	190 225	3	225- 230	S
CE DC 1	CE-00-7176	SALVATORIAN MISSION HOME	DOUGHERTY	1951 C	246	156	4	151	3	151- 156	S
CE DC 2	CE-73-1722	MD GEOLOGICAL SURVEY	SPRG & HNWD	1977 H	936	-	-	-	-	-	-
CE DC 3	CE-66-0081	WAGNER, C W	IDEAL	1965 H	340	185	4	170	4	170- 185	G
CE DC 4	CE-73-1865	MCDANIEL, RICK	KIELKOPF	1976 H	267	267	4	251	3	251- 267	S
CE DD 1	CE-00-7390	MORNING CHEER (SANDY HILL)	ENNIS	1951 J	254	254	6	239 249	-	249- 254	S
CE DD 2	CE-00-5757	ELK NECK STATE PARK	LAYNE ATLANTIC	1950 H	232	227	4	217	3 2	217- 222 222- 227	S
CE DD 3	CE-00-7610	CARR, H G	ENNIS	1951 J	228	228	4	219 223	-	223- 228	S
CE DD 4	CE-00-5921	SHUMAN, E H	ENNIS	1950 J	41	41	4	34 36	-	36- 41	S
CE DD 5	CE-00-5922	PARCHER, H H	ENNIS	1950 J	73	73	4	66 68	-	68- 73	S
CE DD 6	CE-00-7253	KRCHMA, I J	ENNIS	1951 J	83	83	-	78	-	78- 83	S
CE DD 7	CE-00-5976	FLETCHER, D	UNRUH	1950 C	79	79	4	75	2	75- 79	S
CE DD 8	CE-00-9272	BOLLINGER	UNRUH	1951 C	93	93	4	89	3	89- 93	S
CE DD 9	CE-01-0344	DUNBAR	KIELKOPF	1952 C	94	94	4	90	3	90- 94	S
CE DD 10	CE-00-9248	SHULTZ, WILLIAM	UNRUH	1950 C	102	102	4	98	3	98- 102	T
CE DD 11	CE-00-9247	WEAVER, WILLIAM	UNRUH	1950 C	106	106	4	102	3	102- 106	S
CE DD 12	CE-00-9253	SHULTZ, WILLIAM	UNRUH	1950 C	114	114	4	110	3	110- 114	S
CE DD 13	CE-00-6021	GORDON, JOHN	ENNIS	1950 J	148	148	4	142 143	-	143- 148	S
CE DD 14	CE-00-6492	CLEAVER, CHARLES V	ENNIS	1950 J	69	69	4	64	-	64- 69	S
CE DD 15	CE-00-8400	CANNON, GEORGE	ENNIS	1951 J	150	150	4	144	-	145- 150	S
CE DD 16	CE-00-8399	MCKAY, C J	ENNIS	1951 J	89	89	4	84	-	84- 89	S
CE DD 17	CE-00-9409	COLE, C W	ENNIS	1952 J	76	76	4	66 71	-	71- 76	S
CE DD 18	CE-00-9244	DAVIS	UNRUH	1950 C	103	103	4	99	3	99- 103	S
CE DD 19	CE-00-9255	HENRY	UNRUH	1950 C	109	109	4	105	3	105- 109	S
CE DD 20	CE-00-9252	BAVE	UNRUH	1950 C	73	72	4	68	3	68- 72	S
CE DD 21	CE-00-9273	SASSO, G	UNRUH	1951 C	101	101	4	97	3	97- 101	S
CE DD 22	CE-00-9259	THOMPSON	UNRUH	1950 C	107	107	4	103	3	103- 107	S
CE DD 23	CE-00-5784	BOWERS, R E	ENNIS	1950 C	88	88	4	85	-	85- 88	S
CE DD 24	CE-00-8307	PORTER, ROY A	ENNIS	1951 J	112	112	4	106 107	-	107- 112	S
CE DD 25	CE-00-8605	LITTLE, LAWRENCE	ENNIS	1951 J	69	69	4	64	-	64- 69	S
CE DD 26	CE-00-9411	BILBROUGH, ERNEST A	ENNIS	1952 J	85	85	4	78 80	-	80- 85	S
CE DD 27	CE-00-9410	SAFKA, CHARLES A	ENNIS	1952 J	85	85	4	80	-	80- 85	S
CE DD 28	CE-00-8359	DETRAMBLE, PAUL	ENNIS	1951 W	53	53	4	48	-	48- 53	S
CE DD 29	CE-00-8611	GESSNER, HENRY	ENNIS	1951 J	50	50	4	45	-	45- 50	S
CE DD 30	CE-01-1629	PETERSON, HARRY	WALTON	1953 C	40	40	6	36	4	36- 40	S
CE DD 31	CE-01-1369	SNYDER, L D	ENNIS	1952 J	49	49	4	44 45	-	45- 49	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level (feet below land surface) Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level (feet below land surface) Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	F	60	49	12/07/79	49	100	35	12/07/79	8	0.7	C	D	CE CF 68
POTOMAC	H	63	58	03/19/65	58	105	40	03/19/65	16	.9	C	D	CE CF 69
POTOMAC	F	50	45	04/24/80	45	84	20	04/24/80	10	.5	C	D	CE CF 70
POTOMAC	F	35	26.75	09/29/58	26.75	84	50	09/29/58	9	.9	C	D	CE CF 71
POTOMAC	F	25	-	-	-	-	-		-	-	P		CE CF 72
POTOMAC	F	42	34	10/24/68	34	80	50	10/24/68	4	1.1	T	D	CE CF 73
POTOMAC	F	36	35.30	10/18/79	35.30	121.40	302	10/18/79	8	3.5	P	D,QH	CE CF 74
POTOMAC	F	15	11	04/20/81	11	20	30	04/20/81	3	3.3	U	D	CE CF 75
POTOMAC	F	35	35	05/15/65	35	114	50	05/15/65	5	.6	T	D	CE CF 76
MAGOTHY	V	37	9	08/23/78	9	21	20	08/23/78	5	1.7	H	D	CE CF 77
POTOMAC	H	70	68.70	05/05/82	68.70	120	35	05/05/82	14	.7	H	D	CE CF 78
POTOMAC	H	62	56	10/01/65	-	-	-		-	-	C	D	CE CF 79
POTOMAC	F	50	44	07/29/69	44	105	50	07/29/69	16	.8	I	D	CE CF 80
PENSAUKEN	H	80	24	02/07/77	24	28	10	02/07/77	2	2.5	C	D	CE CF 81
POTOMAC	H	80	74	12/18/79	74	105	50	12/18/79	10	1.6	C	D	CE CF 82
POTOMAC	F	71	47.50	06/12/59	47.50	104	40	06/12/59	8	.7	H	D	CE CF 83
POTOMAC	F	80	80	09/02/67	80	125	12	09/02/67	12	.3	H	D	CE CF 84
POTOMAC	F	65	65	04/23/59	65	104	50	04/23/59	16	1.3	T	D	CE CF 85
POTOMAC	H	62	57	12/27/83	57	100	15	12/27/83	8	.3	C	D	CE CF 86
POTOMAC	S	35	40	11/04/83	40	60	15	11/04/83	12	.8	C	D	CE CF 87
POTOMAC	S	30	11	01/19/51	11	30	30	01/19/51	48	1.6	T	D	CE DC 1
WISSAHICKON	W	58	60	01/25/77	-	-	-		-	-	U	D,E,J	CE DC 2
POTOMAC	S	70	90	10/15/65	90	160	7	10/15/65	24	.1	H	E,D	CE DC 3
POTOMAC	S	70	89	12/16/76	89	150	40	12/16/76	3	.7	H	D,J	CE DC 4
POTOMAC	S	60	63.30	07/07/61	61	100	50	02/15/51	43	1.3	R	D	CE DD 1
POTOMAC	S	130	-	-	-	159	45	05/11/50	5	-	R	D	CE DD 2
POTOMAC	F	10	9.66	04/09/51	9.66	60	40	04/09/51	8	.8	H	D	CE DD 3
POTOMAC	F	5	-	-	-	30	28	05/18/50	16	-	H	D	CE DD 4
POTOMAC	S	20	32.50	07/05/50	32.50	60	30	07/05/50	16	1.1	H	D	CE DD 5
POTOMAC	S	20	38	01/17/51	38	62	30	01/17/51	16	1.3	H	D	CE DD 6
POTOMAC	S	25	31.50	07/15/50	31.50	60	15	07/15/50	10	.5	H	D	CE DD 7
POTOMAC	S	40	43	06/00/51	43	80	30	06/00/51	5	.8	H	D	CE DD 8
POTOMAC	S	40	45	07/01/52	45	65	30	07/01/52	10	1.5	H	D	CE DD 9
POTOMAC	S	25	51	07/00/50	51	90	20	07/00/50	5	.5	H	D	CE DD 10
POTOMAC	S	65	57	06/00/50	57	80	30	06/00/50	7	1.3	H	D	CE DD 11
POTOMAC	S	79	70	07/00/50	70	102	30	07/00/50	10	.9	H	D	CE DD 12
POTOMAC	S	60	57	06/09/50	57	80	30	06/09/50	16	1.3	H	D	CE DD 13
POTOMAC	S	50	48.50	08/18/50	48.50	63	20	08/18/50	-	1.4	H	D	CE DD 14
POTOMAC	S	65	60.10	08/15/51	-	-	-		-	-	H	D	CE DD 15
POTOMAC	S	65	61	08/09/51	61	77	20	08/09/51	8	1.3	H	D	CE DD 16
POTOMAC	S	45	42	01/18/52	42	60	30	01/18/52	-	1.7	H	D	CE DD 17
POTOMAC	S	35	56.50	06/00/50	56.50	80	30	06/00/50	6	1.3	H	D	CE DD 18
POTOMAC	S	65	70	08/00/50	70	90	30	08/00/50	5	1.5	H	D	CE DD 19
POTOMAC	S	20	45	07/00/50	45	60	25	07/00/50	8	1.7	H	D	CE DD 20
POTOMAC	S	50	62	06/00/51	62	80	30	06/00/51	8	1.7	H	D	CE DD 21
POTOMAC	S	45	63	10/00/50	63	80	20	10/00/50	10	1.2	H	D	CE DD 22
POTOMAC	F	25	28	05/01/50	28	40	28	05/01/50	-	2.3	H	D	CE DD 23
POTOMAC	F	15	15	08/00/51	15	60	40	08/00/51	-	.9	H	D	CE DD 24
POTOMAC	F	25	31.80	09/12/51	31.80	58	40	09/12/51	16	1.5	H	D	CE DD 25
POTOMAC	F	25	28.70	01/18/52	28.70	60	40	01/18/52	-	1.3	H	D	CE DD 26
POTOMAC	F	25	29.80	01/18/52	29.80	60	40	01/18/52	8	1.3	H	D	CE DD 27
POTOMAC	F	25	24.70	06/29/51	24.70	47	20	06/29/51	8	.9	H	D	CE DD 28
POTOMAC	F	25	32.50	09/13/51	32.50	40	11	09/13/51	8	1.5	H	D	CE DD 29
POTOMAC	F	25	25	01/30/53	25	35	7	01/30/53	12	.7	H	D	CE DD 30
POTOMAC	F	22	26	11/28/52	26	48	25	11/28/52	16	1.1	H	D	CE DD 31

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE DD 32	CE-01-2386	KELLY, CORNELIUS	ENNIS	1953 J	70	70	4	64 65	-	65- 70	S
CE DD 33	CE-01-2569	STEELE, WOODROW	ENNIS	1953 J	82	82	4	77	-	77- 82	S
CE DD 34	CE-01-1390	GETTY, WILLIAM J	ENNIS	1952 J	144	144	4	128 139	-	139- 144	S
CE DD 35	CE-01-2387	HAYES, J C	ENNIS	1953 J	126	126	4	120 121	-	121- 126	S
CE DD 36	CE-01-2141	GILBERT, B C	ENNIS	1953 J	72	72	4	65 67	-	67- 72	S
CE DD 37	CE-00-9264	JEANES, I W	UNRUH	1951 C	154	154	4	146	3	146- 154	S
CE DD 38	CE-00-9265	JEANES, I W	UNRUH	1951 C	138	137	4	129	3	129- 137	S
CE DD 39	CE-00-8604	BROWN, E K	ENNIS	1951 J	81	81	4	68 75	-	75- 81	S
CE DD 40	-	THOMPSON, JAMES	THORNGATE	1950 C	253	253	4	-	-	-	S
CE DD 41	-	WARD, A L	MIDDLETOWN	1948 C	-	-	-	-	-	-	-
CE DD 42	-	HUNTER, J C	UNRUH	- -	165	165	-	-	-	-	
CE DD 43	-	WOOLEYHAM, BEULAH	ENNIS	1940 C	152	152	4	-	-	-	S
CE DD 45	-	BOOTH, WALTER	-	- D	25	25	-	25	-	-	-
CE DD 46	-	FRAZER, JAMES S	SHANNAHAN	1933 C	110	110	10	-	-	-	G
CE DD 47	CE-00-4027	HERSHEY, A H	ENNIS	1949 J	128	128	4	86 123	-	123- 128	S
CE DD 48	CE-00-4567	FLANNAGAN, J C	ENNIS	1949 J	69	69	4	64	-	64- 69	S
CE DD 49	CE-00-4275	ELK NECK STATE PARK	LAYNE ATLANTIC	1949 H	146	135	6	125	4	125- 135	S
CE DD 50	CE-00-4105	LEWIS, D W	ENNIS	1949 J	82	82	4	76 77	-	77- 82	S
CE DD 51	CE-01-2897	NEWCOMB, JAMES	UNRUH	1953 C	158	158	4	153	4	153- 158	S
CE DD 52	CE-00-4729	WHITE, MARY	UNRUH	1949 C	100	100	4	96	3	96- 100	S
CE DD 53	CE-00-4258	TINKO, MICHAEL	UNRUH	1949 C	78	78	4	74	3	74- 78	S
CE DD 54	CE-00-9257	SMITH, HARRY	UNRUH	1950 C	50	50	4	42	3	42- 50	S
CE DD 55	-	BAUMANN	UNRUH	1953 C	127	127	-	-	-	-	S
CE DD 56	CE-00-4028	DUMBLER, JACK	UNRUH	1949 C	115	115	4	111	3	111- 115	S
CE DD 57	-	WILLIAMS	-	- D	37	37	-	37	-	-	-
CE DD 58	-	PRICE, RUSSELL	-	- D	35	35	48	35	-	-	W
CE DD 59	-	MORNING CHEER (SANDY HILL)	STOLTZFUS	1953 C	175	175	8	170	-	170- 175	S
CE DD 61	CE-00-4634	BATHON, G H	ENNIS	1949 J	279	279	6	264 274	-	274- 279	S
CE DD 62	-	ELK NECK STATE PARK	WASHINGTON	1938 C	292	282	8 6	76 259	6	259- 282	S
CE DD 63	-	PRICE, LINDSEY	-	- D	34	34	48	34	-	-	-
CE DD 64	-	BROCKLEY, B H	-	- D	28	28	-	28	-	-	W
CE DD 65	-	REYNOLDS, HARVEY E	ENNIS	- J	250	250	-	-	-	-	-
CE DD 66	-	REYNOLDS, HARVEY E	ENNIS	- J	-	-	3	-	-	-	S
CE DD 67	-	DRUMHELLER, WILLIAM	-	1941 C	160	160	-	60	-	-	-
CE DD 68	CE-04-1165	ELK NECK STATE PARK	KIELKOPF	1960 H	145	134	8 4	117 124	4	124- 134	G
CE DD 69	CE-04-4710	MORNING CHEER (SANDY HILL)	ENNIS	1961 J	38	25	6	20	-	20- 25	S
CE DD 70	-	LONG, H K	-	- -	34	34	-	-	-	-	T
CE DD 71	CE-68-0238	ELK NECK STATE PARK	SHANNAHAN	1968 H	528	323	6 4	289 301	4	301- 323	S
CE DD 72	CE-71-0135	FRAZER FISH HATCHERY	DELMARVA	1971 H	460	320	2	300	2	300- 320	F
CE DD 73	CE-71-0135	FRAZER FISH HATCHERY	DELMARVA	1971 H	340	315	6	275	6	275- 315	G
CE DD 74	CE-71-0135	FRAZER FISH HATCHERY	DELMARVA	1971 H	300	265	2	225	2	225- 265	F
CE DD 76	CE-81-0256	BAY VIEW ESTATES INC	NEWNAM	1982 W	89	89	4	75 84	3	84- 89	S
CE DD 77	CE-73-2457	ELK NECK STATE PARK	DELMARVA	1978 H	197	68	6	63	5	63- 68	G
CE DD 78	CE-73-3483	ELK NECK STATE PARK	DELMARVA	1980 H	255	170	6	160	6	160- 170	G
CE DD 79	CE-69-0207	ST PAULS CHURCH	SHORE	1969 J	200	200	4 2	146 195	3	195- 200	S
CE DD 80	CE-66-0420	ST STEVENS RECTORY	MACKNARR	1966 H	75	73	4	63	4	63- 73	G
CE DD 81	CE-81-0469	U S GEOLOGICAL SURVEY	SCHULTES	1983 H	503	115	4	110	2	110- 115	S
CE DD 82	CE-73-3139	HOLLY HILL FARM	MCCREARY	1980 H	140	125	4	105	4	105- 125	G
CE DD 83	CE-03-6026	BROCKLEY, B R	UNRUH	1959 C	130	130	4	122	-	122- 130	S
CE DD 84	CE-73-0774	BUTTONWOOD BEACH CAMP	DELMARVA	1974 H	140	120	8	90	8	90- 120	G
CE DD 85	CE-73-0885	BUTTONWOOD BEACH CAMP	DELMARVA	1974 H	140	120	8	90	8	90- 120	G
CE DD 86	CE-03-0759	BUTTONWOOD BEACH CAMP	ENNIS	1958 J	47	47	4	42 42	-	42- 47	S
CE DD 87	CE-73-0943	STEMMERS RUN TRANSFER STA.	DELMARVA	1974 H	162	151	4	146	4	146- 151	G
CE DD 88	CE-70-0262	GAME & INLAND FISH COMM	NEWNAM	1970 C	162	162	4 2	148 157	-	157- 162	S
CE DD 89	CE-03-5044	CAMP BRISSON	ENNIS	1959 J	85	85	6	80	-	80- 85	S
CE DD 90	CE-66-0609	CAMP BRISSON	SHORE	1966 J	98	98	6 4	90 93	6	93- 98	S
CE DD 91	CE-73-3387	MORNING CHEER (SANDY HILL)	NEWNAM	1980 C	80	80	6 4	71 75	6	75- 80	S
CE DD 92	CE-02-7329	CRYSTAL BEACH MANOR	ENNIS	1957 J	64	64	4	54	-	54- 64	S
CE DD 93	CE-69-0291	CRYSTAL BEACH MANOR	SHORE	1969 J	85	85	6 4	72 75	6	75- 85	S
CE DD 94	CE-73-0926	CRYSTAL BEACH MANOR	DELMARVA	1974 H	90	82	8	72	8	72- 82	G
CE DD 95	CE-73-0989	CRYSTAL BEACH MANOR	DELMARVA	1974 H	-	-	6	-	-	-	-
CE DD 96	CE-68-0194	WHITE CRYSTAL BEACH	SHORE	1968 J	74	74	6 4	62 64	6	64- 74	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	F	22	11.20	05/28/53	11.20	58	40	05/28/53	16	0.9	H	D	CE DD 32
POTOMAC	F	20	19	06/12/53	19	63	40	06/12/53	16	.9	H	D	CE DD 33
POTOMAC	S	50	49.75	07/06/53	54.50	83	40	11/21/52	16	1.4	H	D	CE DD 34
POTOMAC	S	35	38	05/27/53	38	103	40	05/27/53	16	.6	H	D	CE DD 35
POTOMAC	S	30	4	04/23/53	4	42	40	04/23/53	8	1.1	H	D	CE DD 36
POTOMAC	S	65	59	01/00/51	59	100	50	01/00/51	9	1.2	H	D	CE DD 37
POTOMAC	S	65	62	02/00/51	62	100	35	02/00/51	8	.9	H	D	CE DD 38
POTOMAC	S	20	42.80	08/10/51	42.80	60	40	08/10/51	16	2.3	H	D	CE DD 39
POTOMAC	S	35	30	00/00/50	-	-	-	-	-	-	H		CE DD 40
-	F	80	-	-	-	-	-	-	-	-	I		CE DD 41
MAGOTHY	F	85	-	-	-	-	-	-	-	-	H		CE DD 42
POTOMAC	H	85	-	-	-	-	-	-	-	-	H	D	CE DD 43
PENSAUKEN	F	75	20	07/21/53	-	-	-	-	-	-	H		CE DD 45
POTOMAC	H	65	58	00/00/33	-	-	-	-	-	-	H		CE DD 46
POTOMAC	S	30	38.70	06/01/49	38.70	70	40	06/01/49	-	1.3	H	D	CE DD 47
POTOMAC	S	40	43	08/25/49	43	65	40	08/25/49	-	1.8	H	D	CE DD 48
POTOMAC	H	105	101.12	12/06/60	100	-	30	07/11/49	8	-	R	D	CE DD 49
POTOMAC	S	20	34.70	06/07/49	34.70	70	25	06/07/49	-	.7	H	D	CE DD 50
MAGOTHY	F	85	76.50	07/21/53	76.50	80	15	07/21/53	22	4.3	H	D,QH	CE DD 51
POTOMAC	S	40	38	09/17/49	38	60	15	09/17/49	6	.7	H	D	CE DD 52
POTOMAC	S	30	27	08/20/49	27	60	20	08/20/49	8	.6	H	D	CE DD 53
POTOMAC	F	25	2	09/00/50	2	40	20	09/00/50	6	.5	H	D	CE DD 54
POTOMAC	S	30	31	07/00/53	31	40	15	07/00/53	-	1.7	H	D	CE DD 55
POTOMAC	S	60	64	06/06/49	64	80	20	06/06/49	10	1.3	H	D	CE DD 56
MONMOUTH	F	85	37.20	09/25/53	-	-	-	-	-	-	H		CE DD 57
PENSAUKEN	F	83	-	-	-	-	-	-	-	-	H		CE DD 58
POTOMAC	S	60	75	00/00/53	-	-	8	08/07/61	-	-	R		CE DD 59
POTOMAC	F	30	-	-	-	72	75	08/00/49	32	-	H	D	CE DD 61
POTOMAC	S	130	95	00/00/38	95	110	53	00/00/38	24	3.5	R	D	CE DD 62
MONMOUTH	H	70	32.58	12/17/53	-	-	-	-	-	-	H		CE DD 63
PENSAUKEN	F	61	23.81	10/22/79	-	-	-	-	-	-	U	WI	CE DD 64
POTOMAC	H	85	-	-	-	-	-	-	-	-	H,S		CE DD 65
-	F	38	-	-	-	-	-	-	-	-	S		CE DD 66
POTOMAC	H	65	-	-	-	-	-	-	-	-	H		CE DD 67
POTOMAC	H	105	104	09/03/60	104	120	70	09/03/60	120	4.4	R	D	CE DD 68
POTOMAC	S	10	6.50	07/07/61	6.40	28	40	06/14/61	29	1.9	R	D	CE DD 69
MAGOTHY	F	25	-	-	-	-	-		-	-	H	QH	CE DD 70
POTOMAC	F	60	70.80	09/30/68	70.80	107	90	09/30/68	8	2.5	T	D,E,J,QH	CE DD 71
POTOMAC	F	85	80	02/23/71	-	-	-	-	-	-	U	D,E,J	CE DD 72
POTOMAC	F	85	77	02/23/71	77	145	85	02/23/71	24	1.3	U	D,E,J	CE DD 73
POTOMAC	F	70	65	02/23/71	-	-	-	-	-	-	U	D,E,J	CE DD 74
POTOMAC	F	30	26	08/04/82	26	42	25	08/04/82	6	1.6	H	D	CE DD 76
POTOMAC	S	40	38.46	05/24/78	38.46	47	20	05/24/78	6	2.3	R	D	CE DD 77
POTOMAC	H	45	30	09/23/80	30	49.40	22	09/23/80	6	1.1	R	D	CE DD 78
POTOMAC	F	82	78	03/18/69	78	105	30	03/18/69	16	1.1	T	D	CE DD 79
MONMOUTH	H	85	34	02/22/66	34	50	15	02/22/66	2	.9	H	D	CE DD 80
POTOMAC	F	24	15.52	03/25/83	-	-	30	02/17/83	5	-	U	G,E,J,A,QH,WC	CE DD 81
POTOMAC	F	61	61	01/30/80	61	90	25	01/30/80	5	.9	I	D,QH	CE DD 82
MAGOTHY	H	85	77	10/24/59	77	100	40	10/24/59	4	1.7	H	D	CE DD 83
POTOMAC	F	15	10	04/02/74	10	42	100	04/02/74	24	3.1	P	D,QH	CE DD 84
POTOMAC	F	15	13	02/21/74	13	24	60	02/21/74	2	5.5	P	D	CE DD 85
POTOMAC	F	15	4.50	05/15/58	4.50	42	30	05/15/58	8	.8	R	D	CE DD 86
MAGOTHY	S	65	62	11/01/74	62	140	30	11/01/74	3	.4	H	D,QH	CE DD 87
MAGOTHY	F	85	83	08/04/70	83	105	35	08/04/70	21	1.6	H	D	CE DD 88
POTOMAC	F	40	35	07/02/59	35	84	70	07/02/59	26	1.4	R	D	CE DD 89
POTOMAC	F	65	60	07/26/66	60	85	60	07/26/66	15	2.4	R	D	CE DD 90
POTOMAC	F	62	60	06/19/80	60	78	20	06/19/80	15	1.1	R	D	CE DD 91
POTOMAC	F	45	28.75	06/24/57	28.75	50	45	06/24/57	32	2.1	P	D	CE DD 92
POTOMAC	F	45	36	05/17/69	36	62	50	05/17/69	10	1.9	P	D	CE DD 93
POTOMAC	F	18	12	07/01/74	12	65	60	07/01/74	25	1.1	P	D	CE DD 94
-	F	10	-	-	-	-	-	-	-	-	U		CE DD 95
POTOMAC	F	8	6	05/16/68	6	20	40	05/16/68	8	2.9	P	D	CE DD 96

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE DD 97	CE-66-0241	REYNOLDS, HARVEY E	ENNIS	1965 J	95	95	4	90	-	90- 95	S
CE DD 98	CE-81-0400	ST MARKS CHURCH	NEWNAM	1982 J	230	230	4	216	3	225- 230	S
							2	225			
CE DD 99	CE-68-0009	EISENBERG, LESTER	NEWNAM	1967 J	216	216	4	189	3	206- 216	S
							2	206			
CE DD 100	CE-81-0436	SCOTNEY, RALPH C	FRANK	1982 H	185	185	4	175	2	175- 185	G
CE DD 101	CE-65-0155	GROOME, DONALD	ENNIS	1964 J	225	225	4	219	-	220- 225	S
								220			
CE DE 1	CE-00-9261	BALDWIN, NORMAN F	UNRUH	1950 C	188	188	4	180	3	180- 188	S
CE DE 2	CE-00-9545	SNOW, LILLIAN	UNRUH	1952 J	65	65	4	61	-	61- 65	S
CE DE 3	CE-01-0343	DENSTON, J	KIELKOPF	1952 J	128	128	4	120	3	120- 128	S
CE DE 4	CE-00-9284	MATTASINO, DAN	UNRUH	1951 C	88	88	6	80	3	80- 88	S
CE DE 5	CE-00-9980	HOSIE, ELEANOR	ENNIS	1952 J	95	95	4	88	-	90- 95	S
								90			
CE DE 6	CE-00-3859	HERSKER, HARRY A	ENNIS	1949 J	146	146	4	117	-	141- 146	S
								141			
CE DE 7	CE-00-0470	HACKS POINT FIRE CO	ENNIS	1946 C	121	121	4	116	4	116- 121	S
CE DE 8	CE-00-0424	MORRISON, W T	ENNIS	1946 J	109	109	4	104	-	104- 109	S
CE DE 9	CE-00-0655	HULL, JOHN A	ENNIS	1946 J	106	106	4	101	2	101- 106	S
CE DE 10	CE-00-3720	BROADWATER, W W	ENNIS	1949 J	98	98	4	92	-	92- 97	S
CE DE 11	-	BUCKLEY	UNRUH	1951 J	66	66	-	-	-	-	S
CE DE 12	-	BUCKLEY	-	- D	16	16	-	16	-	-	-
CE DE 13	-	LOSTEN, JOHN	-	- D	20	20	36	20	-	-	-
CE DE 14	CE-00-0017	SHEW, R C	ENNIS	1945 C	124	124	4	114	-	114- 124	S
CE DE 15	CE-00-9279	BONIFACINO	UNRUH	1951 C	90	90	4	86	3	86- 90	S
CE DE 16	CE-00-9280	JEFFERIS	UNRUH	1951 C	128	128	4	124	3	124- 128	S
CE DE 17	CE-00-4556	BELLANCA, G M	UNRUH	1949 J	107	107	4	103	-	103- 107	S
CE DE 18	-	MOORE, GEORGE	-	- D	19	19	-	19	-	-	-
CE DE 19	CE-00-0566	CHAMBERS, FRANCIS T	ENNIS	1946 J	163	163	6	153	-	153- 163	S
CE DE 20	-	WRIGHT, WILLIAM	-	1920 D	69	69	-	69	-	-	W
CE DE 21	-	TAYLOR	-	1900 D	24	24	-	24	-	-	W
CE DE 22	-	BOUCHELLE, H B	-	- D	28	28	-	28	-	-	O
CE DE 23	-	FAUCONNIERE	-	- D	23	23	-	23	-	-	-
CE DE 24	-	ENGSTROM, C G	ENNIS	- C	200	200	-	-	-	-	-
CE DE 25	-	BYARD, JAMES A	-	1920 C	135	135	4	-	-	-	-
CE DE 26	-	IRELAND, HOLDEN	-	- D	25	25	-	25	-	-	-
CE DE 27	-	SHARP, H R	RIDPATH	1921 C	156	156	4	-	-	-	-
CE DE 28	-	IRELAND, HOLDEN	-	- D	-	-	-	-	-	-	-
CE DE 29	-	WIEBE, LOUIS A	-	- D	22	22	20	22	-	-	O
CE DE 30	-	PIERCE, BLANCHE	-	1900 D	29	29	-	29	-	-	W
CE DE 31	-	PEARCE, STEVE	-	- D	30	30	-	30	-	-	-
CE DE 32	-	MD DEPT NATURAL RESOURCES	-	1900 D	10	10	48	10	-	-	W
CE DE 33	-	WHELAN, VERNON	-	- D	49	49	-	49	-	-	W
CE DE 34	-	OTLEY, J D	-	- D	62	62	60	62	-	-	-
CE DE 35	-	HURTT, JULIAN	-	- D	46	46	48	46	-	-	-
CE DE 36	-	CLARK ESTATE	-	- D	65	65	60	65	-	-	-
CE DE 37	-	MICHALSKI, WALTER	-	- D	43	43	-	43	-	-	-
CE DE 38	-	STRONG, HAROLD	-	- D	40	40	-	40	-	-	-
CE DE 39	-	CHRISTOPHER, R J	-	- C	-	-	4	-	-	-	-
CE DE 40	-	ELLIOTT, D C	-	1949 C	150	150	-	-	-	-	-
CE DE 41	CE-68-0101	FRAZER FISH HATCHERY	DELMARVA	1967 H	362	362	6	352	4	352- 362	G
CE DE 42	-	BROOKS, ROBERT	-	- D	23	23	-	23	-	-	W
CE DE 43	CE-73-1575	TRUNCK, ALBERTA	KIELKOPF	1976 H	125	125	4	117	3	117- 125	S
CE DE 44	CE-73-3436	CEASE, GARY	NEWNAM	1980 C	125	125	4	119	3	120- 125	S
							2	120			
CE DE 47	CE-73-2925	HACKS POINT FIRE CO	NEWNAM	1979 C	162	162	4	137	3	157- 162	S
							2	157			
CE DE 48	CE-73-2238	HACKS POINT FIRE CO	NEWNAM	1977 C	165	165	4	157	3	160- 165	S
							2	160			
CE DE 49	CE-73-3631	PIATELLI, JOSEPH	NEWNAM	1981 C	126	126	4	116	3	121- 126	S
							2	121			
CE DE 50	-	CECIL COUNTY S.P.C.A.	-	- D	29	29	36	29	-	-	O
CE DE 51	CE-73-3197	CHESAPEAKE FARMS	NEWNAM	1979 C	193	193	4	164	3	188- 193	S
							2	188			
CE DE 52	CE-66-0292	WHELAN, MARY E	SHORE	1965 J	85	85	4	78	4	80- 85	S
							2	80			
CE DE 53	CE-03-1281	SHARP, H R	ENNIS	1958 J	135	135	4	130	-	130- 135	S
CE DE 54	CE-65-0393	CARNES, FRANCIS S	SHORE	1965 J	272	272	4	209	3	267- 272	S
							2	267			
CE DE 55	CE-66-0055	CARNES, FRANCIS S	SHORE	1965 J	275	275	6	258	6	265- 275	S
							4	265			
CE DF 1	CE-00-8217	DROBECK, H O	ENNIS	1951 J	237	237	4	162	-	232- 237	S
								232			
CE DF 2	-	FOARD, A W	-	- D	16	16	48	16	-	-	-
CE DF 3	-	POUSKA, H C	-	- D	24	24	48	24	-	-	W
CE DF 4	-	STEELE, HELEN	-	- D	-	-	-	-	-	-	W
CE DF 5	-	POOL, JEFFERSON	-	- D	19	19	-	19	-	-	-
CE DF 6	-	-	-	- D	44	44	-	44	-	-	-
CE DF 7	-	JONES, LEEMONT	-	- D	-	-	-	-	-	-	-
CE DF 8	-	HORNBERGER, JUANITA M	-	1900 D	43	43	-	43	-	-	W
CE DF 9	-	GRAHAM, J P	-	1900 D	45	45	-	45	-	-	W
CE DF 10	-	BUCKWORTH, TULLARD	-	- D	40	40	-	40	-	-	-

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
POTOMAC	H	38	36	12/16/65	-	-	-	-	-	-	H	D	CE DD 97
POTOMAC	S	90	67	11/02/82	67	100	30	11/02/82	8	0.9	T	D	CE DD 98
POTOMAC	S	70	68	07/25/67	68	105	25	07/25/67	16	.7	H	D	CE DD 99
POTOMAC	F	25	12	10/29/82	12	22	40	10/29/82	3	4.0	H	D	CE DD 100
POTOMAC	F	60	58	10/24/64	58	224	45	10/24/64	16	.3	H	D	CE DD 101
MAGOTHY	H	65	70	12/00/50	70	105	15	12/00/50	10	.4	H	D	CE DE 1
MAGOTHY	F	20	15	03/10/52	15	25	25	03/10/52	10	2.5	H	D	CE DE 2
POTOMAC	F	25	18	07/07/52	18	60	20	07/07/52	10	.5	H	D	CE DE 3
MAGOTHY	F	22	19	09/00/51	19	70	30	09/00/51	10	.6	H	D	CE DE 4
MONMOUTH	H	65	59	06/02/52	59	85	15	06/02/52	-	.6	H	D	CE DE 5
POTOMAC	F	25	19.70	04/25/49	19.70	100	50	04/25/49	-	.6	H	D	CE DE 6
POTOMAC	F	16	9.80	07/06/46	9.80	29	12	07/06/46	17	.6	T	D,QH	CE DE 7
MAGOTHY	S	25	24.60	07/21/46	24.60	60	40	07/21/46	24	1.1	H	D	CE DE 8
POTOMAC	S	35	30	08/21/46	30	50	23	08/21/46	20	1.2	H	D	CE DE 9
MAGOTHY	S	20	-	-	-	80	25	04/00/49	-	-	H	D	CE DE 10
MAGOTHY	F	20	-	-	-	-	-	-	-	-	H		CE DE 11
MERCHANTVILLE	F	20	12.34	11/27/51	-	-	-	-	-	-	H		CE DE 12
PENSAUKEN	F	82	13.62	08/05/53	-	-	-	-	-	-	H		CE DE 13
POTOMAC	F	25	20	10/21/45	20	28	12	10/21/45	24	1.5	H	D	CE DE 14
POTOMAC	F	20	16	08/00/51	16	60	20	08/00/51	5	.5	H	D	CE DE 15
POTOMAC	F	20	18.50	08/00/51	18.50	80	20	08/00/51	8	.3	H	D	CE DE 16
MAGOTHY	H	70	7	09/03/49	7	27	7	09/03/49	10	.4	H	D	CE DE 17
PENSAUKEN	F	78	4	08/19/53	-	-	-	-	-	-	H,S		CE DE 18
POTOMAC	F	70	79	11/18/46	79	100	40	11/18/46	-	1.9	H	D	CE DE 19
PENSAUKEN	F	69	63.43	10/22/79	-	-	-	-	-	-	H	WI	CE DE 20
PENSAUKEN	F	60	11.91	10/19/79	-	-	-	-	-	-	H	WI	CE DE 21
PENSAUKEN	F	82	-	-	-	-	-	-	-	-	H		CE DE 22
PENSAUKEN	F	75	20.65	09/01/53	-	-	-	-	-	-	S		CE DE 23
POTOMAC	F	70	-	-	-	-	-	-	-	-	H,S		CE DE 24
POTOMAC	F	60	-	-	-	-	-	-	-	-	H		CE DE 25
PENSAUKEN	F	70	-	-	-	-	-	-	-	-	H		CE DE 26
POTOMAC	F	40	30	09/01/53	-	-	-	-	-	-	H		CE DE 27
PENSAUKEN	H	70	-	-	-	-	-	-	-	-	H		CE DE 28
PENSAUKEN	H	65	18.90	09/23/53	-	-	-	-	-	-	H		CE DE 29
PENSAUKEN	F	83	23.19	10/22/79	-	-	-	-	-	-	H	WI	CE DE 30
PENSAUKEN	F	90	19.46	09/23/53	-	-	-	-	-	-	H		CE DE 31
MATAWAN	F	42	5.04	10/00/79	-	-	-	-	-	-	S	WI	CE DE 32
MONMOUTH	F	80	44.76	10/22/79	-	-	-	-	-	-	H	WI	CE DE 33
MONMOUTH	F	65	55.96	12/22/53	-	-	-	-	-	-	H		CE DE 34
MONMOUTH	F	70	36.16	12/21/53	-	-	-	-	-	-	H		CE DE 35
MONMOUTH	F	72	20	12/21/53	-	-	-	-	-	-	H		CE DE 36
MONMOUTH	F	65	37.35	12/21/53	-	-	-	-	-	-	H		CE DE 37
MONMOUTH	F	75	35	12/21/53	-	-	-	-	-	-	H		CE DE 38
-	F	65	-	-	-	-	-	-	-	-	H,S		CE DE 39
POTOMAC	F	20	-	-	-	-	-	-	-	-	H		CE DE 40
POTOMAC	F	50	55	11/15/67	55	135	13	11/15/67	48	.2	U	D,E	CE DE 41
PENSAUKEN	F	75	12.18	10/19/79	-	-	-	-	-	-	H	WA	CE DE 42
POTOMAC	F	20	15	06/18/76	15	60	50	06/18/76	2	1.1	H	D	CE DE 43
POTOMAC	F	20	17	08/08/80	17	42	30	08/08/80	8	1.2	H		CE DE 44
POTOMAC	F	16	10.09	04/26/83	13	42	20	05/03/79	8	.7	T	D,QH	CE DE 47
POTOMAC	F	20	12.73	04/26/83	18	60	30	10/05/77	8	.7	H	D	CE DE 48
POTOMAC	F	70	53	01/28/81	53	84	30	01/28/81	8	1.0	H	D	CE DE 49
PENSAUKEN	F	75	11.87	09/05/84	-	-	-	-	-	-	H	QH	CE DE 50
POTOMAC	H	84	76	11/06/79	76	105	20	11/06/79	8	.7	H	D	CE DE 51
MONMOUTH	H	80	49	12/21/65	49	83	12	12/21/65	8	.4	H	D	CE DE 52
POTOMAC	F	40	25.50	06/24/58	25.50	64	45	06/24/58	8	1.2	H	D	CE DE 53
MAGOTHY	F	70	70	06/15/65	70	105	40	06/15/65	16	1.1	H	D	CE DE 54
MAGOTHY	W	65	49	09/21/65	49	105	100	09/21/65	10	1.8	S	D	CE DE 55
POTOMAC	F	75	66.50	07/11/51	66.50	100	40	07/11/51	-	1.2	H	D	CE DF 1
PENSAUKEN	F	65	10.58	08/05/53	-	-	-	-	-	-	H		CE DF 2
PENSAUKEN	H	82	18.05	08/05/53	-	-	-	-	-	-	H		CE DF 3
-	F	65	-	-	-	-	-	-	-	-	H,S		CE DF 4
PENSAUKEN	F	75	15.04	08/05/53	-	-	-	-	-	-	H		CE DF 5
MONMOUTH	F	65	35.88	08/05/53	-	-	-	-	-	-	-		CE DF 6
-	F	70	-	-	-	-	-	-	-	-	U		CE DF 7
PENSAUKEN	F	74	31.66	10/22/79	-	-	-	-	-	-	H	WI	CE DF 8
MONMOUTH	F	60	29.52	10/22/79	-	-	-	-	-	-	H	WI	CE DF 9
MONMOUTH	H	65	-	-	-	-	-	-	-	-	H		CE DF 10

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE DF 11	-	HALL, EDWARD	ENNIS	1947 C	88	87	4	82	4	82- 87	S
CE DF 12	-	SARTIN, ALBERT T	-	- D	36	36	48	36	-	-	W
CE DF 13	-	COLLINS, GILBERT	-	1900 D	35	35	48	35	-	-	W
CE DF 14	CE-00-2605	PRICE, WILLIAM III	ENNIS	1948 J	163	163	4	158	-	158- 163	S
CE DF 15	-	SMITH, J G	ENNIS	- -	-	-	-	-	-	-	-
CE DF 16	-	DEAN, SIMPSON	-	- D	35	35	-	35	-	-	-
CE DF 17	-	METTEN, JOHN F	-	- D	33	33	-	33	-	-	-
CE DF 18	-	-	-	- D	16	16	48	16	-	-	-
CE DF 19	-	ZERON, FRANK	-	- D	60	60	-	60	-	-	-
CE DF 20	-	WILSON, JOHN	-	1900 D	21	21	-	21	-	-	W
CE DF 21	-	MCNATT, DAVID S	-	- D	30	30	-	30	-	-	-
CE DF 22	-	PHILLIPS, ALFRED	SHANNAHAN	1940 C	345	345	4	-	-	-	-
CE DF 23	-	HANSFORD, CARL	-	- D	48	48	48	48	-	-	W
CE DF 24	-	KIRK, JULIAN	MIDDLETOWN	1953 J	145	145	-	-	-	-	-
CE DF 25	-	AIKEN, RICHARD D	-	- D	45	45	-	45	-	-	-
CE DF 26	-	PRICE, JENNY G	-	- D	45	45	48	45	-	-	-
CE DF 27	-	PRICE, JENNY G	-	- D	20	20	-	20	-	-	-
CE DF 28	-	LURTY, C M	-	- D	18	18	-	18	-	-	-
CE DF 29	CE-67-0281	ST FRANCIS XAVIER CHURCH	DOMESTIC	1967 H	125	125	4	115	4	115- 125	G
CE DF 30	CE-70-0107	MIDDLETOWN PONY CLUB	ENNIS	1969 J	215	215	4	209 210	-	210- 215	S
CE DF 31	-	MCDONALD, KENNETH	-	- J	-	-	-	-	-	-	S
CE DF 32	CE-67-0210	HORNBERGER, GEORGE	KAUFFMAN	1966 H	80	70	4	60	4	60- 70	G
CE DF 33	CE-70-0154	COLLINS, GILBERT L	ENNIS	1970 C	97	97	4	90 92	-	92- 97	S
CE DF 34	CE-66-0657	GRAHAM, JOSEPH P	ENNIS	1966 J	90	90	4	85	-	85- 90	S
CE DF 35	CE-66-0451	HANFORD, CARL	SHORE	1966 J	273	273	4 2	210 268	3	268- 273	S
CE DF 36	CE-67-0248	QUINN, JAMES	SHORE	1967 J	125	125	4 2	119 120	3	120- 125	S
CE DF 37	CE-67-0246	STEVENS, RAY	SHORE	1967 J	176	176	4 3	170 171	3	171- 176	S
CE DF 38	CE-66-0466	GLANDING, JOHN	SHORE	1966 J	71	71	4 2	64 66	3	66- 71	S
CE DF 39	CE-73-2074	EQUINE GAMBIT INC	NEWNAM	1977 C	316	316	4 2	285 306	3	306- 316	S
CE EC 1	CE-00-5341	GROVE PT GIRL SCOUT CAMP	ENNIS	1950 J	83	83	6	78	-	78- 83	S
CE EC 2	-	GROVE PT GIRL SCOUT CAMP	ENNIS	1934 J	85	85	-	-	-	-	S
CE EC 3	CE-00-8176	PAXTON, W H	ENNIS	1951 J	79	79	4	75	-	75- 79	S
CE EC 4	CE-00-9270	WOODWARD, RODMAN	UNRUH	1951 C	58	58	4	54	3	54- 58	S
CE EC 5	CE-00-9271	MCDOWELL, WILLIAM	UNRUH	1951 C	63	63	4	59	3	59- 63	S
CE EC 6	CE-00-9743	BARGER, JAMES R JR	ENNIS	1952 J	55	55	4	50	-	50- 55	S
CE EC 7	CE-00-6824	MILLER, H C	ENNIS	1950 J	58	58	4	53	-	53- 58	S
CE EC 8	CE-00-6879	TUCKER, C H	ENNIS	1950 J	34	34	4	33	-	29- 34	S
CE EC 9	CE-00-0691	CAMP TRINITY	ENNIS	1947 J	58	58	4 3	52 53	2	53- 58	S
CE EC 10	-	WRIGHT, STANCHFIELD	ENNIS	- C	-	-	-	-	-	-	-
CE EC 11	-	ENGLAND, MARGARET	-	1926 C	164	164	6	-	-	-	-
CE EC 12	-	BIDGOOD, W D	ENNIS	- C	137	137	4	-	-	-	S
CE EC 13	-	LULL, ROY V	ENNIS	1953 J	60	60	4	55	-	55- 60	S
CE EC 14	CE-01-0772	ZANG, TED	ENNIS	1952 J	56	56	4	49 51	-	51- 56	S
CE EC 15	CE-73-1720	MD GEOLOGICAL SURVEY	SPRG & HNWD	1977 H	700	-	-	-	-	-	-
CE EC 16	-	MD GEOLOGICAL SURVEY	MIDDLETOWN	1977 H	715	-	-	-	-	-	-
CE EC 17	CE-73-1720	MD GEOLOGICAL SURVEY	SPRG & HNWD	1977 H	1107	-	-	-	-	-	-
CE EC 18	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	27	-	-	-	-	-	-
CE EC 19	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	60	-	-	-	-	-	-
CE EC 20	CE-02-7240	GROVE PT GIRL SCOUT CAMP	ENNIS	1957 J	73	73	4	65 68	-	68- 73	S
CE EC 21	CE-65-0328	GROVE PT GIRL SCOUT CAMP	ENNIS	1965 J	87	87	4	-	-	-	S
CE ED 1	-	MANLOFF, ISABEL	-	- D	80	80	48	80	-	-	W
CE ED 2	-	MANLOFF, ISABEL	-	- D	80	80	60	80	-	-	W
CE ED 3	CE-00-9262	CRAWFORD, DAVID	UNRUH	1950 C	94	94	4	90	3	90- 94	S
CE ED 4	CE-01-2777	SINGLETON, F D	KIELKOPF	1953 C	137	137	4	129	3	129- 137	S
CE ED 5	-	GREEN	MIDDLETOWN	1946 J	-	-	-	-	-	-	-
CE ED 6	-	GREEN, THOMAS L	MIDDLETOWN	1952 J	92	92	-	-	-	-	S
CE ED 7	-	ANDERSON, O S	-	- D	39	39	-	39	-	-	-
CE ED 8	-	SPRY, E	-	- D	47	47	-	47	-	-	-
CE ED 10	-	WILLIS, J M	-	- C	200	200	4	-	-	-	-
CE ED 11	-	WILLIS, J M	THORNGATE	1949 C	82	82	6	-	-	-	-
CE ED 12	-	WILLIS, J M	THORNGATE	- C	75	75	6	-	-	-	S
CE ED 13	-	WILLIS, J M	-	- D	82	82	48	82	-	-	-
CE ED 14	-	JESS, GORDON J	ENNIS	1945 C	175	175	4	165	2	165- 175	S
CE ED 15	-	RAECH, PAUL	-	1900 D	48	48	-	48	-	-	W
CE ED 16	-	BAYARD, JAMES A	-	- C	82	82	6	-	-	-	-
CE ED 17	-	CRAIG, EMMA	-	- D	39	39	-	39	-	-	-
CE ED 18	-	FIRTH, THOMAS	-	- D	82	82	60	82	-	-	-
CE ED 19	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	52	-	-	-	-	-	-
CE ED 20	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	42	-	-	-	-	-	-
CE ED 21	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	22	-	-	-	-	-	-
CE ED 22	CE-02-2887	LOLLER, EMERSON	BAKER	1956 J	170	170	4	170	-	-	O
CE ED 23	CE-73-0319	DAVIS MARKET	NEWNAM	1973 C	77	77	- 2	- 72	-	-	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Water level Date	Yield test: Water level (feet below land surface) Static	Yield test: Water level Pumping	Yield test: Rate (gal/min)	Yield test: Date	Yield test: Hours pumped	Yield test: Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
MONMOUTH	F	45	-	-	-	-	-	-	-	-	H	D,QH	CE DF 11
MONMOUTH	F	65	30.40	08/24/53	-	-	-	-	-	-	H		CE DF 12
PENSAUKEN	F	66	22.27	10/22/79	-	-	-	-	-	-	H	WI	CE DF 13
MAGOTHY	F	65	53	06/00/48	53	80	30	06/00/48	16	1.1	H	D	CE DF 14
-	F	65	-	-	-	-	-	-	-	-	H,S		CE DF 15
MONMOUTH	F	65	31.89	08/27/53	-	-	-	-	-	-	H		CE DF 16
MONMOUTH	F	22	-	-	-	-	-	-	-	-	H,S		CE DF 17
MONMOUTH	F	18	14.70	08/27/53	-	-	-	-	-	-	H		CE DF 18
MONMOUTH	F	65	55	08/27/53	-	-	-	-	-	-	H		CE DF 19
PENSAUKEN	F	60	16.60	10/22/79	-	-	-	-	-	-	H	WI	CE DF 20
MONMOUTH	F	65	26.44	08/27/53	-	-	-	-	-	-	H		CE DF 21
POTOMAC	F	65	-	-	-	-	-	-	-	-	H,S		CE DF 22
MONMOUTH	F	60	39.35	10/22/79	-	-	-	-	-	-	H	WI	CE DF 23
MONMOUTH	H	75	-	-	-	-	-	-	-	-	H		CE DF 24
MONMOUTH	F	60	-	-	-	-	-	-	-	-	H		CE DF 25
MONMOUTH	F	70	-	-	-	-	-	-	-	-	S		CE DF 26
PENSAUKEN	F	65	9	10/00/53	-	-	-	-	-	-	H		CE DF 27
PENSAUKEN	F	75	12	12/21/53	-	-	-	-	-	-	H		CE DF 28
MONMOUTH	F	60	40	03/10/67	40	48	30	03/10/67	3	3.8	T	D	CE DF 29
MAGOTHY	S	30	40	10/22/69	40	137	25	10/22/69	16	.3	S	D	CE DF 30
MONMOUTH	F	75	-	-	-	-	-	-	-	-	H	QH	CE DF 31
MONMOUTH	F	72	38	11/04/66	38	55	25	11/04/66	3	1.5	H	D	CE DF 32
MONMOUTH	F	66	45	01/05/70	45	96	20	01/05/70	16	.4	S	D	CE DF 33
MONMOUTH	F	60	55	07/15/66	-	-	-	-	-	-	H	D	CE DF 34
MAGOTHY	F	60	64	03/25/66	64	127	40	03/25/66	15	.6	H	D	CE DF 35
MONMOUTH	F	65	32	02/01/67	32	105	12	02/01/67	15	.2	H	D	CE DF 36
MAGOTHY	F	70	63	02/06/67	63	92	20	02/06/67	12	.7	H	D	CE DF 37
MONMOUTH	F	70	21	03/28/66	21	49	15	03/28/66	10	.5	H	D	CE DF 38
MAGOTHY	F	70	71	08/22/77	71	126	40	08/22/77	16	.7	S	D	CE DF 39
MAGOTHY	F	45	47.25	02/11/50	47.25	79	45	02/11/50	41	1.4	R	D	CE EC 1
MAGOTHY	W	40	-	-	-	-	-	-	-	-	R		CE EC 2
MAGOTHY	H	65	53.25	08/00/51	53.25	77	20	08/00/51	-	.8	H	D	CE EC 3
MAGOTHY	F	10	6	05/00/51	6	25	12	05/00/51	20	.6	H	D	CE EC 4
MAGOTHY	F	10	6	05/00/51	6	25	8	05/00/51	15	.4	H	D	CE EC 5
MAGOTHY	F	10	1.60	03/28/52	1.60	40	30	03/28/52	16	.8	H	D	CE EC 6
MAGOTHY	F	10	5	10/10/50	5	40	30	10/10/50	24	.9	H	D	CE EC 7
MAGOTHY	F	15	10	10/13/50	10	25	12	10/13/50	-	.8	H	D	CE EC 8
MAGOTHY	S	20	40	06/05/47	40	52	35	06/05/47	-	2.9	R	D	CE EC 9
-	H	80	-	-	-	-	-	-	-	-	H,S		CE EC 10
MAGOTHY	H	85	70	09/25/53	-	-	-	-	-	-	H		CE EC 11
MAGOTHY	H	85	70	09/25/53	-	-	-	-	-	-	H		CE EC 12
MAGOTHY	S	50	-	-	-	59	15	05/05/53	-	-	H	D	CE EC 13
MAGOTHY	F	10	9.25	08/29/52	9.25	42	40	08/29/52	16	1.2	H	D	CE EC 14
POTOMAC	F	8	6	04/27/77	-	-	-	-	-	-	U	D	CE EC 15
POTOMAC	F	8	5.5	04/01/77	-	-	-	-	-	-	U		CE EC 16
WISSAHICKON	F	8	10.50	04/28/77	-	-	-	-	-	-	U	D,E,J	CE EC 17
PENSAUKEN	U	85	-	-	-	-	-	-	-	-	U	G	CE EC 18
PENSAUKEN	U	81	-	-	-	-	-	-	-	-	U	G,J	CE EC 19
MAGOTHY	F	40	36	06/12/57	36	63	40	06/12/57	16	1.5	R	D	CE EC 20
POTOMAC	F	62	61.70	04/05/65	61.70	84	40	04/05/65	16	1.8	H	D,QH	CE EC 21
MONMOUTH	F	70	-	-	-	-	-	-	-	-	H		CE ED 1
MONMOUTH	F	65	-	-	-	-	-	-	-	-	S		CE ED 2
MATAWAN	F	80	4	12/00/50	4	25	40	12/00/50	10	1.9	H	D	CE ED 3
MAGOTHY	F	75	70	07/00/53	70	105	15	07/00/53	10	.4	H	D	CE ED 4
-	F	65	-	-	-	-	-	-	-	-	H,S		CE ED 5
MONMOUTH	W	50	-	-	-	-	-	-	-	-	S		CE ED 6
MONMOUTH	H	40	35	-	-	-	-	-	-	-	H		CE ED 7
MONMOUTH	F	80	40.66	09/24/53	-	-	-	-	-	-	H		CE ED 8
MONMOUTH	F	80	-	-	-	-	-	-	-	-	H		CE ED 10
MONMOUTH	F	80	-	-	-	-	-	-	-	-	H		CE ED 11
MONMOUTH	H	85	-	-	-	-	-	-	-	-	H		CE ED 12
MONMOUTH	H	85	70	09/24/53	-	-	-	-	-	-	H		CE ED 13
MAGOTHY	H	45	71	04/14/45	71	100	30	04/14/45	-	1.0	H	D	CE ED 14
MONMOUTH	F	85	36.93	09/25/53	-	-	-	-	-	-	H	QH	CE ED 15
MATAWAN	F	15	-	-	-	-	-	-	-	-	H		CE ED 16
MATAWAN	F	60	33.93	09/25/53	-	-	-	-	-	-	H		CE ED 17
MONMOUTH	H	70	71	09/00/53	-	-	-	-	-	-	H		CE ED 18
PENSAUKEN	U	85	-	-	-	-	-	-	-	-	U	G,J	CE ED 19
PENSAUKEN	U	80	-	-	-	-	-	-	-	-	U	G,J	CE ED 20
PENSAUKEN	U	75	-	-	-	-	-	-	-	-	U	G	CE ED 21
MATAWAN	F	85	49	05/16/56	49	55	7	05/16/56	42	1.2	H	D	CE ED 22
MONMOUTH	F	85	24	04/10/73	24	50	12	04/10/73	5	.5	C	D,QH	CE ED 23

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE ED 24	CE-67-0142	BAYARD, JAMES A	SHORE	1966 J	164	164	4 2	156 159	3	159- 164	S
CE ED 25	CE-03-4612	WILLIS, J M	ENNIS	1959 J	207	207	4	199 202		202- 207	S
CE ED 26	CE-81-0433	PEARCE, DARYLE	NEWNAM	1982 J	202	202	4 3	181 197	3	197- 202	S
CE EE 1	-	MD STATE HIGHWAY ADM	USGS	1949 V	20	20	1	18	1	18- 20	T
CE EE 2	-	GILFILLAN, J E	RESMUSSEN & HEIGLER	1957 V	22	22	1	20	1	20- 21	T
CE EE 3	CE-00-0141	BROWN, MILTON	ENNIS	1946 J	336	336	6	324	-	324- 336	S
CE EE 4	CE-00-9288	SHORT, REESE	UNRUH	1951 C	77	77	4	66 72	-	72- 77	S
CE EE 5	CE-00-8175	REDDING, J R	ENNIS	1951 J	87	87	4	82	4	82- 87	S
CE EE 6	-	COLE, H R	-	- -	-	-	-	-	-	-	-
CE EE 7	CE-01-0481	TAYLOR, JOHN R	ENNIS	1952 J	282	282	4	223 277	-	277- 282	S
CE EE 8	CE-00-7280	PIERCE, J	ENNIS	1951 J	56	56	4	51	-	51- 55	S
CE EE 9	-	PIERCE, J	PENTZ	1952 J	118	118	4	113	-	113- 118	S
CE EE 10	CE-01-0234	ERNEST, DOUGLAS	ENNIS	1952 J	141	141	4	135 136	-	136- 141	S
CE EE 11	CE-01-1551	TOWN OF CECILTON	ENNIS	1953 J	274	274	6	262	6	262- 274	S
CE EE 12	CE-00-9260	CECILTON ELEM SCHOOL ANNEX	UNRUH	1950 C	194	194	6	189	6	189- 194	S
CE EE 13	-	TAYLOR, N F	THORNGATE	1950 J	115	115	4	85	-	85- 115	G
CE EE 14	-	CAVENDER, WILLIAM T	-	- D	15	15	-	15	-	-	-
CE EE 15	-	CRUICKSHANK, E	THORNGATE	1950 C	190	190	-	-	-	-	S
CE EE 16	-	DODGE & LIVINGSTON	ENNIS	1941 C	290	290	6	-	-	-	-
CE EE 17	-	ONEAL, BRADFORD W	-	- D	25	25	48	25	-	-	W
CE EE 18	-	PEARCE, ANDREW	-	- D	32	32	48	32	-	-	-
CE EE 19	-	BURRIS, ELWOOD	-	- D	30	30	48	30	-	-	-
CE EE 20	-	CECILTON HIGH SCHOOL	-	1938 C	-	-	4	-	-	-	-
CE EE 21	-	HOLINESS CHRISTIAN CHURCH	ENNIS	1949 C	110	110	4	-	-	-	S
CE EE 22	-	SASSAFRAS BOAT CO	-	- D	23	23	60	23	-	-	W
CE EE 23	-	SASSAFRAS BOAT CO	-	- D	14	14	60	14	-	-	W
CE EE 24	-	COOK, ROBERT H	THORNGATE	1950 C	80	80	-	-	-	-	-
CE EE 25	-	DUPONT, JACK	-	1900 D	61	61	-	61	-	-	W
CE EE 26	-	BUDD, MARSHALL	-	- D	66	66	60	66	-	-	-
CE EE 27	-	MATHEWS	-	- D	15	15	-	15	-	-	-
CE EE 28	CE-01-7578	DAVIS, PORTER	UNRUH	1955 H	289	289	4	281 284	4	284- 289	S
CE EE 29	CE-73-2266	U S GEOLOGICAL SURVEY	SYDNOR	1978 H	1458	547	10 4 4	158 515 547	4	515- 525	G
CE EE 30	-	U S GEOLOGICAL SURVEY	HARDIN	1981 B	30	-	-	-	-	-	-
CE EE 31	CE-03-8528	CREE-MEE FREEZE	ENNIS	1960 J	104	104	4	86 94	-	94- 104	S
CE EE 32	CE-02-2279	SASSAFRAS BOAT CO	ENNIS	1956 J	267	267	4	255 257	-	257- 267	S
CE EE 33	CE-02-1979	ZION METHODIST CHURCH	BAKER	1956 J	100	100	4	100	-	-	O
CE EE 34	CE-73-0302	INDIAN ACRES INC.	NEWNAM	1973 C	278	278	6 4	251 253	6	253- 278	S
CE EE 35	CE-73-3504	INDIAN ACRES INC.	NEWNAM	1980 C	278	278	6 4	246 253	6	253- 278	-
CE EE 36	CE-73-2332	SAILING ASSOCIATES INC	KIELKOPF	1977 H	96	96	6	88	3	88- 96	G
CE EE 37	CE-73-3367	THE GRANARY RESTAURANT	NEWNAM	1980 C	280	280	4 2	249 270	3	270- 280	S
CE EE 38	CE-66-0410	FREDERICKTOWN POST OFFICE	SHORE	1966 J	305	305	4 2	275 300	3	300- 305	S
CE EE 39	CE-03-9774	PEARCE, ANDREW J	ENNIS	1960 J	354	354	4 2	255 344	3	344- 354	S
CE EE 40	CE-73-1463	WASHINGTON HOUSE	KIELKOPF	1976 H	68	68	4	59	3	59- 68	G
CE EE 41	CE-71-0283	CAPO'S TRAILER PARK	WOOD	1970 H	60	60	6	60	-	-	P
CE EE 42	CE-65-0405	ELDRIDGE, FRANKLIN	KAUFFMAN	1965 H	315	310	4	280	4	280- 310	G
CE EE 43	CE-02-1833	ROSS, ISABELLE	ENNIS	1956 J	302	302	4	282 292	4	280- 310	S
CE EE 44	CE-73-3093	VANSANT, MARK	NEWNAM	1979 C	85	85	4 2	77 80	3	80- 85	S
CE EE 45	CE-72-0111	TOWN OF CECILTON	NEWNAM	1972 C	297	297	6 4	255 277	6 6	277- 287 287- 297	S
CE EE 46	-	ONEAL, BRADFORD W	-	- D	19	19	-	19	-	-	W
CE EE 47	CE-66-0428	ERNEST, DOUGLAS SR	SHORE	1966 J	315	315	4 2	217 310	3	310- 315	S
CE EE 48	CE-66-0391	ERNEST, DOUGLAS JR	SHORE	1966 J	103	103	4 2	95 98	3	98- 103	S
CE EE 49	CE-66-0437	JONES, GEORGE B	MACKNARR	1966 H	110	110	4	98	4	98- 110	G
CE EE 50	CE-66-0427	BURRIS, ELWOOD	SHORE	1966 J	158	158	4 2	150 153	3	153- 158	S
CE EE 51	CE-67-0010	GREER, THOMAS L	SHORE	1966 J	156	156	4 2	145 151	4	151- 156	S
CE EE 52	CE-04-1258	PEARCE, JAMES	ENNIS	1960 J	347	347	4 2	289 337	-	337- 347	S
CE EE 53	CE-05-7492	COLE, H R	SHORE	1964 J	91	90	4	85	4	85- 90	S

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
MAGOTHY	H	88	86	10/29/66	86	135	40	10/29/66	16	0.8	H	D	CE ED 24
MAGOTHY	S	80	64	05/14/59	64	105	40	05/14/59	16	1.0	H	D	CE ED 25
MAGOTHY	F	85	80	11/04/82	80	120	10	11/04/82	8	.3	H	D	CE ED 26
PENSAUKEN	F	68	6.75	08/17/49	-	-	-	-	-	-	U	WM	CE EE 1
PENSAUKEN	F	71	12.72	10/29/57	-	-	-	-	-	-	U	WM	CE EE 2
MAGOTHY	F	65	65	07/31/46	65	100	45	07/31/46	63	1.3	H	D	CE EE 3
MONMOUTH	F	80	14	07/00/51	14	50	8	07/00/51	10	.2	H	D	CE EE 4
MONMOUTH	F	75	69.80	07/05/51	69.80	86.30	8	07/05/51	8	.5	H	D,QH	CE EE 5
-	S	40	-	-	-	-	-	-	-	-	H		CE EE 6
MAGOTHY	V	35	21.60	07/17/52	21.60	100	25	07/17/52	-	.3	H	D	CE EE 7
MONMOUTH	F	65	28.75	01/30/51	28.75	52	30	01/30/51	8	1.3	H	D	CE EE 8
MONMOUTH	F	50	-	-	-	-	-		-	-	S		CE EE 9
MONMOUTH	H	90	39	06/10/52	39	82	40	06/10/52	-	.9	H	D	CE EE 10
MAGOTHY	F	80	6	02/04/53	65	100	75	02/04/53	16	2.1	P	D,QH	CE EE 11
MATAWAN	F	75	35	11/00/50	35	80	20	11/00/50	50	.4	T	D	CE EE 12
MONMOUTH	F	85	25	04/12/50	-	-	-	-	-	-	H		CE EE 13
PENSAUKEN	F	55	10.35	12/17/53	-	-	-	-	-	-	H		CE EE 14
MATAWAN	F	65	38	12/00/50	-	-	-	-	-	-	H		CE EE 15
MAGOTHY	F	40	-	-	-	-	-	-	-	-	H		CE EE 16
PENSAUKEN	F	70	18	12/17/53	-	-	-	-	-	-	H		CE EE 17
PENSAUKEN	F	70	-	-	-	-	-	-	-	-	H		CE EE 18
PENSAUKEN	H	85	20	12/21/53	-	-	-	-	-	-	H		CE EE 19
-	F	75	-	-	-	-	-	-	-	-	T		CE EE 20
MONMOUTH	F	60	-	-	-	-	-	-	-	-	H		CE EE 21
MONMOUTH	V	15	12.80	12/22/53	-	-	-	-	-	-	C		CE EE 22
MONMOUTH	V	10	5.99	12/22/53	-	-	-	-	-	-	C		CE EE 23
MONMOUTH	F	65	-	-	-	-	-	-	-	-	H		CE EE 24
PENSAUKEN	F	63	54.48	10/22/79	-	-	-	-	-	-	H	WI	CE EE 25
MONMOUTH	H	70	62.30	12/22/53	-	-	-	-	-	-	H		CE EE 26
PENSAUKEN	F	79	-	-	-	-	-	-	-	-	H		CE EE 27
MAGOTHY	F	79	66.47	09/17/56	66	85	30	03/20/55	16	1.6	C	D	CE EE 28
POTOMAC	F	75	68.50	08/01/78	68.50	96.58	30	08/01/78	5	1.1	U	G,E,J,QH,WM	CE EE 29
PENSAUKEN	U	75	-	-	-	-	-	-	-	-	U	G,J	CE EE 30
MONMOUTH	F	79	10	04/21/60	10	98	30	04/21/60	16	.3	C	D	CE EE 31
MAGOTHY	V	10	-	-	-	40	60	03/02/56	16	-	C	D	CE EE 32
MONMOUTH	F	78	18	02/24/56	18	22	8	02/24/56	24	2.0	T	D	CE EE 33
MAGOTHY	H	85	81	04/18/73	81	171	210	04/18/73	24	2.3	P	D	CE EE 34
MAGOTHY	H	85	81	08/22/80	81	171	200	08/22/80	10	2.2	P	D,QH	CE EE 35
MONMOUTH	T	18	14.50	12/01/77	14.50	60	20	12/01/77	4	.4	C	D,QH	CE EE 36
MAGOTHY	V	12	4	06/05/80	4	84	45	06/05/80	16	.6	C	D	CE EE 37
MAGOTHY	F	60	30	05/30/66	30	147	35	05/30/66	20	.3	C	D	CE EE 38
POTOMAC	F	78	72	08/14/60	72	140	60	08/14/60	16	.9	H	D	CE EE 39
MONMOUTH	F	76	12	03/23/76	12	50	35	03/23/76	4	.9	C	D	CE EE 40
MONMOUTH	F	78	-	-	-	-	20	12/12/70	2	-	C	D	CE EE 41
MAGOTHY	S	40	32	10/20/65	32	50	100	10/20/65	2	5.6	H	D	CE EE 42
MAGOTHY	S	30	25	01/19/56	25	105	20	01/19/56	20	.3	H	D	CE EE 43
MONMOUTH	F	70	30	09/13/79	30	62	12	09/13/79	5	.4	H	D	CE EE 44
MAGOTHY	F	80	68	05/18/72	68	150	270	05/18/72	36	3.3	P	D	CE EE 45
PENSAUKEN	F	70	16.02	10/22/79	-	-	-	-	-	-	H	WI	CE EE 46
MAGOTHY	F	82	73	03/01/66	73	128	40	03/01/66	16	.7	H	D	CE EE 47
MONMOUTH	F	70	26	01/24/66	26	97	25	01/24/66	10	.4	H	D	CE EE 48
MONMOUTH	F	62	36	02/12/66	36	45	20	02/12/66	3	2.2	H	D	CE EE 49
MONMOUTH	F	85	37	02/19/66	37	137	20	02/19/66	8	.2	H	D	CE EE 50
MONMOUTH	F	78	39	09/17/66	39	135	20	09/17/66	14	.2	H	D	CE EE 51
MAGOTHY	F	75	67	11/11/60	67	-	40	11/11/60	24	-	H	D	CE EE 52
MATAWAN	S	40	31	05/12/64	31	81	8	05/12/64	8	.2	H	D	CE EE 53

Table 7. Records of selected wells and borings—Continued

Well No.	Permit No.	Owner or user	Driller or contractor	Year/ method drilled	Depth drilled (ft)	Depth of well (ft)	Casing Diameter (in.)	Casing Depth (ft)	Openings Diameter (in.)	Openings Interval(s) (ft)	Finish
CE EF 1	CE-00-1853	WALT'S 282 TAVERN	ENNIS	1947 J	31	31	4	26	4	26- 31	S
CE EF 2	-	SMITH, MARSHAL	-	1900 D	22	22	-	22	-	-	W
CE EF 3	-	DAVIS, FRANCES	-	- D	27	27	48	28	-	-	-
CE EF 4	-	PRICE, GEORGE	-	- D	57	57	60	57	-	-	W
CE EF 5	-	ERNEST, DOUGLAS	-	- D	34	34	-	35	-	-	-
CE EF 6	-	DAVIS, OLIN S SR	-	- D	30	30	48	31	-	-	W
CE EF 7	-	ROBINSON, MARGARET S	-	- D	40	40	-	40	-	-	W
CE EF 8	-	PEVERLEY, S D	-	- D	32	32	-	33	-	-	-
CE EF 9	-	PRICE, EDGAR A	-	- D	37	37	48	38	-	-	W
CE EF 10	CE-71-0184	PRICE, GEORGE	NEWNAM	1971 C	169	169	4 3	153 164	3	164- 169	S
CE EF 11	CE-66-0619	ERNEST, DOUGLAS SR	SHORE	1966 J	428	428	4 3	301 418	3	418- 428	S
			New Castle County, Delaware								
Da 44-5	50305	ARTESIAN WATER	SCHULTES	1981 H	236	235	10 10	160 222	10 10	160- 186 222- 232	G
Da 44-6	50306	ARTESIAN WATER	SCHULTES	1981 H	265	253	10	222	10	222- 250	G
Fa 24-1	-	ZEITLER, MAX	MIDDLETOWN	1976 H	401	-	-	-	-	-	-

Aquifer	Topography	Altitude (ft)	Water level (feet below land surface) Static	Date	Yield test: Water level (feet below land surface) Static	Pumping	Rate (gal/min)	Date	Hours pumped	Specific capacity [(gal/min)/ft]	Use of water	Other data available	Well No.
MONMOUTH	F	72	8.80	09/12/47	8.80	28	42	09/12/47	8	2.2	C	D,QH	CE EF 1
PENSAUKEN	F	77	12.41	10/22/79	-	-	-	-	-	-	U	WA	CE EF 2
MONMOUTH	F	65	20.97	12/21/53	-	-	-	-	-	-	H		CE EF 3
PENSAUKEN	F	62	55.51	10/22/79	-	-	-	-	-	-	H	WI	CE EF 4
MONMOUTH	F	65	26.23	12/22/53	-	-	-	-	-	-	H		CE EF 5
PENSAUKEN	F	65	24.79	12/22/53	-	-	-	-	-	-	H		CE EF 6
PENSAUKEN	F	35	-	-	-	-	-	-	-	-	H		CE EF 7
PENSAUKEN	F	62	28.60	12/22/53	-	-	-	-	-	-	H		CE EF 8
PENSAUKEN	F	65	31.96	10/06/82	-	-	-	-	-	-	H		CE EF 9
MONMOUTH	H	62	59	02/03/71	59	146	15	02/03/71	16	.2	S	D	CE EF 10
MAGOTHY	F	70	70	08/25/66	70	125	40	08/25/66	48	.7	H	D	CE EF 11
POTOMAC	F	80	21	06/01/81	21	114	700	06/01/81	48	7.5	P	D,E,J	Da 44-5
POTOMAC	F	75	12	10/10/81	12	137	703	10/10/81	48	5.6	P	D,E,J	Da 44-6
POTOMAC	-	60	-	-	-	-	-	-	-	-	U	G,E,J	Fa 24-1

Table 8. Records of selected springs

SPRING NO.	OWNER	USE OF WATER	ALTI-TUDE	TOPO-GRAPHIC SETTING	AQUIFER	IMPROVE-MENTS	DISCHARGE GALLONS PER MINUTE	DISCHARGE DATE	REMARKS
CE AA 7	PETERS, JOSEPH	H	250	W	GABBRO:BALT	C	2	12/18/52	
CE AA 11	SUSQUEHANNA ELECTRIC	H	140	S	GABBRO:BALT	R	0.5	02/12/81	O
CE AA 14	SUSQUEHANNA ELECTRIC	H	160	S	SYKESVILLE FM	H	7	12/18/52	
CE AC 36	FOX, HARRY	H,S	380	S	GABBRO:BALT	L	3	12/16/52	
CE AC 68	WEST NOTTINGHAM ACADEMY	U	340	S	PLTC SCHIST:WISS	C	5	06/05/56	
CE AC 69	WEST NOTTINGHAM ACADEMY	T	325	S	PLTC SCHIST:WISS	C	-	-	-
CE AD 50	MD STATE HIGHWAY ADM	U	390	U	PLTC SCHIST:WISS	H	1	03/03/81	O
CE AE 18	PUGH, E RAY	H	390	W	JAMES RUN LOWER	C	9	11/17/52	
CE AE 21	MCFADDEN, J	H	219	V	JAMES RUN LOWER	B	0	12/10/52	
CE AE 27	VALLEY GREEN FARMS	H,I	230	S	JAMES RUN LOWER	H	-	-	-
CE AE 34	SPRATT, LEONARD	S	260	S	JAMES RUN LOWER	H	0.5M	03/31/81	O
CE AF 9	GRAVELL, B	H,S	180	W	JAMES RUN LOWER	P	10	11/05/52	
CE BB 13	MCGLOTHLIN, J D	H	240	W	BOULDER GNEISS:WISS	B	7	04/16/53	
CE BB 16	CONRAIL	H	40	S	PORT DEPOSIT GNEISS	G	0.4M	04/03/81	O
CE BB 20	BENJAMIN, ARTHUR	H	375	W	PORT DEPOSIT GNEISS	B	3	09/21/53	
CE BB 23	BROWN, DONALDSON	H	170	W	JAMES RUN UPPER	L	16.6	09/22/53	
CE BB 24	BROWN, F D	H	270	W	JAMES RUN UPPER	H	10	09/22/53	B
CE BB 30	PORT DEPOSIT ASSOCIATES	U	160	S	PORT DEPOSIT GNEISS	R	0.1	03/31/81	O
							0.8M	10/28/82	
CE BC 17	PITT, WALTER	H	320	W	PORT DEPOSIT GNEISS	B	0.5	04/17/53	
CE BC 30	BROWN, M E	H	430	W	GILPINS FALLS MBR.	B	-	-	-
CE BC 32	KELLER, DALE	H	265	W	JAMES RUN UPPER	B	1.5	09/21/53	A
CE BC 41	DEAN, F H	H	270	W	JAMES RUN LOWER	C	-	06/05/56	
CE BC 45	MD STATE HIGHWAY ADM	U	220	W	POTOMAC	R	0.05M	09/28/65	
CE BD 32	WESTERINEN, ESA	H	260	S	POTOMAC	C	1	08/12/53	A
CE BD 33	WESTERINEN, ESA	H	260	S	POTOMAC	B	6	08/12/53	A
CE BD 34	WESTERINEN, ESA	H	260	S	POTOMAC	-	3	08/12/53	
CE BD 57	NOVOKNY, J	H	85	S	JAMES RUN LOWER	B	-	-	-
CE BE 79	SLACK, LOUIS	H	150	S	JAMES RUN LOWER	H	0.2	03/31/81	O
CE BF 30	BALDWIN, W R	H	100	W	JAMES RUN LOWER	C	-	-	C
CE CC 29	CARPENTERS PT WATER CO	P	20	S	POTOMAC	P	-	-	-
CE CC 40	MCMULLEN, JOHN R	U	180	W	JAMES RUN LOWER	R	3.5	M 04/03/81	O
CE CD 22	JEFFREY, ALLEN	H	130	W	POTOMAC	L	-	-	B
CE CE 44	HENDERSON, D M	H,S	20	S	POTOMAC	C	12.5	12/09/53	
CE DD 44	EDMONSON, JOHN	H	20	S	MARSHALL ENGLISHTOWN	B	-	-	-
CE DD 60	BOK, CARY W	H,S	5	S	POTOMAC	C	-	-	-
CE ED 9	LIASON, J B	H,S	35	S	MONMOUTH	-	-	-	B

USE OF WATER

H Domestic
I Irrigation
P Public supply
S Stock
T Institution
U Unused

TOPOGRAPHIC SETTING

S Hillside
U Undulating
V Valley flat
W Upland draw

IMPROVEMENTS

B Boxed basin
C Concrete basin
G Gallery
H Springhouse
L Lined
P Pond
R Pipe

REMARKS

A Supplies two houses
B Supplies three houses
C Supplies four houses
O Other data available in Otton and Hilleary (1985)

AQUIFER

(See Table 7 headnote.)

DISCHARGE

M Measured (all others are estimated)

Table 9. Lithologic logs for selected wells and borings

CE BE 73 Interpretive Lithologic Log	Depth (feet)
Sand; yellow to white clay	0- 5
Clay, red	5- 7
Sand; clay streaks	7- 20
Clay, yellow and red; sand; pebbles	20- 26
Sand; pebbles	26- 38
Sand, silty; white clay	38- 58
Sand; pebbles; some clay	58- 62
Sand, silty; with interfingered clay layers	62- 96
Sand and gravel	96-118
Clay	118-122
Sand; pebbles; some cemented layers	122-128
Sand, silty; sand layer at 135 ft	128-142
Sand; red clay	142-152
Sand, stoney; clay increasing with depth	152-170
Clay, green; sand; weathered rock	170-181

CE BF 81 Interpretive Lithologic Log	
Sand, yellow-brown	2- 32
Sand, cemented	32- 37
Clay, white	37- 41
Sand; with clay layers	41- 55
Sand, brown	55- 60
Clay, white	60- 65
Clay, white; sandier with depth	65- 70
Sand, cemented layers; some lignite	70- 80
Clay, green; sand; weathered rock	80- 95

CE BF 82 Interpretive Lithologic Log	
Clay, gray and pink; orange silt; some sand; pebbles	0- 5
Sand, medium to coarse, orange	5- 15
Gravel, orange; gray clayey sand	15- 20
Same as above, with more clay	20- 25
Gray clay; some sand	25- 35
Gray clay; some orange gravel; sandier than above	35- 40
Clay, gray and pink; fine sand	40- 60
Cemented layers	60- 63
Clay, gray, some red and yellow, tough; trace of lignite	63- 76
Clay, silty; lignite	76- 84
Clay, gray; silt; some lignite	84- 88
Clay, red, some gray and white, hard	88- 94
Clay, gray and white	94- 98
Sand	98-100

CE BF 82--Continued	Depth (feet)
Sand, fine, white	100-140
Clay, white, sandy	140-170
Clay, gray, some yellow and red	170-180
Clay, white, yellow, trace of green	180-200
Sand, cemented, white, silty	200-210
Sand; thin layers of white clay	210-228
Sand	228-264
Sand, hard; white clay; weathered rock (?)	264-285

CE CD 51 Interpretive Lithologic Log	
Clay, yellow and white; some gravel	0- 4
Clay, red and brown	4- 10
Gravel	10- 17
Clay, white; sand	17- 23
Clay, light and dark colored; silt; some pebbles	23- 40
Clay, white and gray, some red	40- 50
Clay, gray to white, tough; sandy gravel	50- 60
Clay, red; interlayered sandy gravel	60- 80
Sand	80- 84
Clay, hard	84- 90
Clay, red and white; sand	90-100
Sand, white; interlayered with clay	100-127
Clay, tough; sand	127-132
Clay, green, gray, and yellow; some coarser material; weathered rock	132-156

CE CD 53 Interpretive Lithologic Log	
Sand, yellow-brown; hard layers at 2 ft and 4 ft	0- 5
Clay, red; brown sand; hard layers at 5 ft and 6 ft	5- 10
Clay, gray, white and red	10- 30
Sand, fine	30- 42
Clay, red and white	42- 65
Clay, gray-green; some cemented sand layers	65- 75
Sand; red, brown, white and gray clay; some cemented layers	75-104
Clay, red, white, and gray; some coarse material; cemented layers at 106 ft and 123 ft	104-140
Sand; gray clay	140-150
Clay, gray, sandy	150-175
Sand; red, gray and white clay; some cemented layers	175-212
Clay, variegated; cemented layer	212-218

Table 9. Lithologic logs for selected wells and borings—Continued

CE CD 53--Continued	Depth (feet)
Sand, silty	218-238
Clay, yellow-brown, gray, red and white; interlayered with sand	238-285
Sand, silty	285-292
Clay; some sand	292-316
Sand, silty	316-340
Sand; gravel	340-362
Clay, white, red and gray; some sandy layers	362-398
Sand, fine; variegated clay	398-450
Clay, cemented sand layers	450-470
Clay, white	470-490
Weathered rock, yellow-green, abundant mica, relict foliation (?)	490-495

CE CE 54	
Sand, tan; gravel; clay	0- 20
Clay, white and tan; fine sand	20- 52
Sand, tan	52- 60
Slay, gray; tan sand	60- 80
Clay, white, gray and red; streaks of sand, some cemented layers	80-120
Sand; silt; clay	120-141
Clay, white and red; sand, some coarse	141-154
Clay, gray and white; fine sand; fine gravel; some thin cemented layers	154-175
Clay, variegated; sand streaks; numerous thin cemented layers	175-237
Sand; variegated clay; some hard layers	237-252
Clay, variegated; sand, some hard layers; gravel	252-265
Clay, sandy, green; gravel; abundant mica; weathered rock	265-279

CE CE 55 Interpretive Lithologic Log	
Clay, yellow	0- 7
Clay, red; cemented sand	7- 15
Clay, gray and yellow; silt	15- 30
Clay, red, hard; some gray and yellow clay	30- 40
Clay, gray; sand	40- 54
Clay, gray	54- 70
Clay, black and gray	70- 80
Clay, red, some yellow; lignite	80- 85
Clay, variegated; some sand	85-118

CE CE 55--Continued	Depth (feet)
Clay, red; sand	118-130
Clay, red; some yellow and gray; some sand	130-210
Sand; some clay	210-212
Clay, red and gray; interlayered sand	212-287
Sand; clay	287-296
Clay, red, white and black; sand	296-310
Sand, silty; red and black clay; some lignite	310-330
Clay, mostly gray, some red; some fine sand	330-360
Sand, coarser with depth; gray and brown clay; cemented layer at 365 ft	360-380
Clay, variegated; silt; several cemented sand layers	380-405
Sand; silt	405-408
Clay, variegated; interlayered sand layers, some cemented	408-448
Sand	448-460
Clay, red and gray; sand	460-490
Sand, some clay	490-498
Clay, variegated; some sand	498-525
Sand, clayey	525-540
Clay, hard	540-552
Clay, gray; interlayered sand; lignite	552-572
Clay, red	572-580
Sand; silt	580-583
Clay, red; sand	583-602
Clay, multicolored; sand; lignite; some weathered green material; no penetration with split spoon sampler at 624 ft	602-624

CE CE 56 Interpretive Lithologic Log	
Sand, tan; gravel	0- 2
Sand, gray; some clay	2- 15
Clay, red and gray; some sand	15- 32
Sand; clay	32- 38
Clay, gray; some sand	38- 48
Sand	48- 60
Clay, red, hard	60- 85
Sand, silty	85- 96
Clay, yellow	96-101
Sand; some clay at 108 ft	101-125
Sand, silty; clay; cemented layer at 146 ft	125-154
Clay, red; sand	154-184
Clay, variegated, sandy	184-219
Sand	219-227
Clay, sandy, gray	227-244
Sand, white	244-254

Table 9. Lithologic logs for selected wells and borings—Continued

CE CE 56--Continued	Depth (feet)
Clay, gray, red and white; silty below 285 ft	254-300
Sand	300-309
Clay, white, gray and red, silty; interlayered sand	309-365
Sand, fine, gray, silty; some clay	365-410
Clay, silt	410-420

CE CE 57 Driller's Log

Topsoil	0- 1
No record	1- 7
Clay, orange	7- 21
Sand; stones	21- 33
Clay, red	33- 41
Sand, brown	41-125
Clay, gray and red	125-134
Sand, silty	134-158
Clay, red and gray	158-164
Sand, fine, white; clay	164-190
Clay, red	190-205
Clay, silty, white	205-224
Sand, fine, white	224-228
Clay, silty	228-232
Sand, fine	232-239
Clay, gray	239-256
Sand, medium	256-260
Sand, fine; clay	260-261
Clay, hard	261-268
Sand, hard packed; red and white clay	268-284

CE CF 48 Driller's Log

Topsoil; yellow clay	0- 14
Sand and gravel, in streaks	14- 38
Sand, white; gravel	38- 64
Clay, brown	64- 65
Sand, white; gravel; streaks of clay	65- 78
Clay, gray	78-100
Sand, brown; gravel	100-112
Clay, sandy, red	112-140
Sand, fine, brown; lignite	140-207
Clay, sandy, red	207-246
Clay, tough, red	246-249
Clay, sandy, red	249-294
Sand, fine to medium; gravel	294-303
Clay, multicolored	303-376

CE CF 48--Continued	Depth (feet)
Sand, medium to fine, white; gravel	376-430
Clay, red and white	430-450
Sand, medium, white; gravel	450-476
Sand and clay, in streaks	476-505
Clay, red and white	505-600
Sand and gravel, white	600-614
Clay, red and white	614-653
Hard streaks	653-657
Bedrock, weathered	657-673
Bedrock, hard	673-695

CE DC 2 Driller's Log

Sand and gravel; some cobbles	0- 76
Clay, red and gray	76-126
Sand; fine gravel	126-208
Sand, fine, brown	208-212
Sand, fine; gray clay	212-220
Clay, gray	220-227
Sand, fine, gray-brown	227-273
Clay, hard, red and gray	273-303
Sand, fine, brown	303-325
Sand, fine; seams of clay	325-338
Clay, red and gray	338-360
Sand; layers of clay	360-390
Sand	390-457
Clay, sandy, brown and gray	457-477
Clay, brown and gray; sand layers	477-489
Sand	489-518
Clay	518-528
Sand	528-551
Clay	551-567
Clay and sand, layered	567-571
Clay, sandy, red and gray	571-590
Clay, red and gray	590-642
Ironstone	642-644
Sand and gravel	644-708
Clay, sandy, gray	708-725
Sand	725-739
Sand; clay seams	739-764
Clay	764-772
Sand; small layers of ironstone	772-785
Schist, mica, decomposed	785-898
Schist, mica, hard (rock)	898-936

Table 9. Lithologic logs for selected wells and borings—Continued

CE DD 71 Driller's Log	Depth (feet)
Clay, yellow; gravel	0- 12
Clay, red	12- 20
Clay, red and white	20- 41
Sand, brown	41- 46
Sand, brown; clay	46- 76
Clay, white and red	76-175
Clay, green; wood	175-196
Rock (cemented zone?)	196-197
Clay, gray	197-238
Sand, fine, white and brown; some clay	238-296
Clay	296-298
Sand, white	298-324
Clay, mixed (?)	324-374
Sand, white	374-381
Clay	381-420
Sand, white	420-437
Clay, mixed (?)	437-528

CE DD 72 Driller's Log	
Topsoil	0- 1
Clay, yellow; some tan sand	1- 6
Sand, fine to coarse, tan; some gravel; some green clay	6- 11
Sand, fine to medium, tan; gray clay	11- 36
Clay, black and brown	36-126
Clay, gray	126-135
Sand, fine to coarse, gray	135-158
Sand, fine to coarse, gray, layered; gray clay	158-180
Clay, gray	180-205
Clay, red	205-260
Clay, gray	260-270
Sand, fine to medium, gray	270-280
Clay, gray	280-288
Sand, fine to medium, gray	288-316
Clay, gray	316-374
Sand, gray, small layers	374-440
Clay, hard, gray	440-460

CE DD 81 Interpretive Lithologic Log	Depth (feet)
Sand, yellow; gravel	0- 5
Clay, gray	5- 6
Clay, yellow	6- 7
Sand; white and yellow clay	7- 23
Sand, white; gravel; some gray clay at 27 ft	23- 49
Clay; sand	49- 50
Sand; gravel	50- 57
Clay, white	57- 58
Clay, silty	58- 70
Sand, fine, white; clay streaks	70- 96
Clay, white, yellow and purple, sandy	96-108
Sand	108-125
Clay, variegated changing to all red	125-140
Sand, fine, white; gray clay	140-160
Sand, fine	160-169
Clay, gray; white sand; lignite below 190 ft	169-200
Sand	200-220
Clay, gray; lignite (?)	220-227
Sand; some clay streaks	227-278
Clay, gray	278-281
Sand	281-298
Clay, variegated, mostly red below 310 ft	298-334
Sand	334-337
Clay, red, changing to variegated	337-345
Clay, sandy; some cemented zones	345-358
Sand	358-370
Clay, red and gray, sandy	370-398
Clay, red and gray	398-460
Clay, white and red	460-503

CE EC 15 Driller's Log	
Sand, fine to coarse, brown; some gravel	0- 34
Clay, tan; coarse sand	34- 40
Sand, fine, brown	40- 50
Sand, fine, brown; thin layers of clay	50- 74
Clay, red and gray	74- 95
Sand	95-199
Clay, red and gray	199-208
Sand; layers of clay	208-230
Clay, red and gray	230-247
Clay, gray	247-260
Clay, sandy; seams of clay	260-270
Clay, gray; trace of red clay	270-282
Sand, brown	282-290

Table 9. Lithologic logs for selected wells and borings—Continued

CE EC 15--Continued	Depth (feet)
Clay, gray	290-292
Sand, fine, gray, silty	292-295
Ironstone	295-296
Sand	296-350
Clay, red and gray	350-370
Sand and clay layers	370-407
Clay, red and gray	407-428
Sand; layers of clay	428-440
Sand	440-488
Clay, sandy, gray	488-518
Clay, red and gray	518-526
Clay, gray; clayey sand layers	526-580
Clay, red and gray	580-590
Sand; sandy clay	590-620
Clay, gray	620-630
Clay, gray; sand	630-650
Sand; some clay	650-668
Clay, gray	668-670
Sand	670-680
Clay, red and gray	680-700

Well CE EC 15 was later drilled to a depth of 1,107 feet, and assigned well number CE EC 17.

CE EC 17 Driller's Log

(See CE EC 15)	0-685
Clay, red and gray	685-740
Sand	740-764
Sand and gravel	764-771
Sand	771-779
Clay, gray; mica flakes	779-781
Sand, fine, gray; clay	781-805
Sand, fine, gray, compact	805-817
Clay, red and gray	817-844
Sand	844-848
Clay	848-857
Sand	857-889
Clay, sandy, gray	889-894
Sand	894-902
Clay	902-904
Sand	904-927
Clay	927-939
Clay, gray	939-963
Clay, sandy	963-968

CE EC 17--Continued	Depth (feet)
Sand and clay, layered	968- 974
Sand	974- 984
Sand, very compact, light gray; ironstone layer at 984.5	984-1,011
Sand, gray; layers of ironstone	1,011-1,022
Cobbles, quartz	1,022-1,028
Schist, mica, decomposed	1,028-1,063
Schist, mica, weathered (rock)	1,063-1,107

CE EE 29 Interpretive geologic log, modified from Otton and Mandle, 1984

Pensauken deposits, undifferentiated:	
Top soil and yellow clay	0- 3
Sand, fine to medium, yellow; some very coarse sand to fine gravel, angular, white to yellow	3- 30
Sand, fine to very fine, yellow; some yellow clay; silty	30- 35
Aquia and Hornerstown Formations, undivided:	
Sand, fine, white to light green; glauconite; abundant shell fragments; streaks of black-dark green, silty clay	35- 60
Sand, fine to very fine, white to light green; glauconite; shell fragments	60- 72
Clay, silty, medium gray; some glauconite and shell fragments	72- 86
Monmouth Group, Undivided:	
Sand, medium to medium coarse, gray-light green; streaks of gray, silty clay	86- 154
Matawan Formation:	
Clay, black to dark gray, silty; some shell fragments; streaks of fine gravel	154- 166
Clay, black to dark gray; very silty; micaceous; streaks of medium, white to gray sand	166- 190
Clay, black; fine lignite (?) fragments	190- 240

Table 9. Lithologic logs for selected wells and borings—Continued

CE EE 29--Continued	Depth (feet)
Magothy Formation:	
Sand, fine brown	240- 255
Clay, medium to dark gray; abundant lignite and pyrite	255- 265
Sand, coarse, white to light gray (quartz); some white and pink (feldspars); streak of medium gray clay, lignite and pyrite	265- 320
Potomac Group, undivided:	
Clay, white to light gray; streaks of fine, light gray sand	320- 335
Clay, red, white, and light gray; some siderite concretions, light gray to tan; streaks of white, silty clay	335- 350
Clay, red; siderite and hematite concretions; streaks of white and brown clay	350- 365
Clay, brown, tan, and green; some siderite and hematite concretions; some medium gray clay and lignite	365- 375
Siltstone, tan; some pyrite	375- 380
Clay, red and brown; some siderite and hematite concretions	380- 425
Clay, red, brown, and tan; some cemented tan sand (noncalcareous); some siltstone	425- 440
Clay, dark gray and white; some lignite; streaks of fine white sand	440- 470
Clay, red and dark gray, some siderite and hematite concretions; some lignite	470- 500
Sand, fine white to light gray; streaks of medium to dark gray clay and lignite	500- 560
Clay, light gray; abundant lignite; streaks of light gray cemented sand; some pyrite; streaks of red and white clay	560- 600
Sand, fine to medium, white	600- 615
Clay, white some light gray and red	615- 624
Clay, red; streaks of white clay; some siderite and hematite concretions	624- 654
Clay, medium gray; some lignite; grades to brown and red clay	654- 684
Clay, red and brown; streaks of white and medium gray; streaks of fine light gray sand	684- 779
Clay, red, medium gray and white; lignite	779- 790
Sand, fine, light gray; streaks of medium gray clay and lignite	790- 840

CE EE 29--Continued	Depth (feet)
Clay, brown and light gray; streaks of fine white-tan sand	840- 852
Sand, fine, white to light gray; streaks of medium gray clay	852- 878
Clay, red, brown, and medium gray; streaks of light gray sand	878- 893
Clay, medium gray and white; streaks of red and olive; streaks of black silty clay; some siderite concretions	893- 908
Clay, medium gray, lignite; streaks of fine white to light gray sand	908- 918
Sand, fine, white to light gray; streaks of medium gray clay and lignite	918- 938
Clay, red	938- 948
Clay, medium gray; lignite; some cemented sand	948- 958
Sand, fine, white to light gray; streaks of medium gray clay and lignite	958- 978
Clay, brown and red, streaks of medium gray and white; streaks of siderite and hematite concretions	978-1,058
Sand, fine, white; some light gray and white clay	1,058-1,068
Clay, medium to light gray, some brown; some fine, white sand	1,068-1,082
Sand, fine, white	1,082-1,090
Clay, red, brown, and olive; some medium gray and black, silty clay; some siderite and hematite concretions; some pyrite	1,090-1,138
Sand, medium, white; streaks of white and light gray clay; lignite; pyrite	1,138-1,168
Clay, red and brown	1,168-1,183
medium, white sand	1,183-1,198
Clay, medium to light gray, olive, white, and red; streaks of fine, white sand	1,198-1,238
Clay, white to light gray; streaks of fine, white sand; streaks of red, and purple clay and hematite concretions; some loosely cemented, white sand	1,238-1,283
Clay, red, purple, brown, some olive, and white; streaks of siderite and hematite concretions; some medium, cemented sand	1,283-1,313
Clay, light green to yellow, some red and white; abundant siderite concretions	1,313-1,328
Clay, medium to dark gray, streaks of red; abundant lignite, pyrite; streaks of siderite	1,328-1,373

Table 9. Lithologic logs for selected wells and borings—Continued

CE EE 29--Continued	Depth (feet)
Clay, medium to dark gray, silty; streaks of lignite and pyrite; streaks of fine, white, cemented sand; muscovite	1,373-1,403
Sand, fine and very coarse, white to light gray; abundant pyrite, lignite, and muscovite; streaks of white to light gray, silty clay; fragmented quartz gravel	1,403-1,433
Paleozoic and Precambrian crystalline rock:	
Saprolite; dirty white to light gray-green clay; abundant large books of muscovite; fragmented quartz gravel and coarse white sand; some green schist fragments, chloritic	1,433-1,444
Schist or gneiss, biotite-plagioclase-muscovite quartz; traces of garnet, chlorite, magnetite, zircon, and possibly sillimanite	1,444-1,458

Table 10. Chemical analyses of ground water at selected wells

WELL No.	PERMIT No.	DATE OF SAMPLE	SPECIFIC CONDUCTANCE (US/CM)	pH FIELD (STANDARD UNITS)	pH LAB (STANDARD UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
CE AA 3	CE-00-6416	83-10-05	335	6.1	6.3	17.0	--	140	66	19
CE AA 9	CE-01-1086	54-12-06	--	--	6.6	10.5	5	70	21	13
CE AA 23	CE-68-0229	83-10-05	482	6.2	6.5	17.0	--	240	130	14
CE AB 26	CE-01-1311	54-12-06	--	--	7.1	10.0	4	200	91	13
CE AB 39	CE-01-2082	81-08-04	285	5.8	--	18.0	--	110	--	26
CE AB 59	CE-73-3238	83-10-05	175	5.8	5.9	14.0	--	63	33	16
CE AB 66	CE-65-0460	83-10-05	940	6.8	6.9	17.0	--	410	230	6.0
CE AC 38		83-08-23	192	6.2	6.3	21.0	--	79	19	22
CE AC 53	CE-00-3505	54-12-06	--	--	6.9	15.0	3	24	3	7.1
CE AC 81	CE-03-4500	83-10-03	87	6.8	6.3	15.0	--	36	5	8.0
CE AC 82		81-08-04	462	6.4	--	16.5	--	200	--	27
CE AC 91	CE-69-0214	83-08-25	138	5.9	5.8	17.0	--	46	14	12
CE AD 39		54-12-06	--	--	7.5	--	6	39	0	8.0
		83-04-21	98	6.2	6.4	13.0	--	39	0	7.8
CE AD 51	CE-01-4188	83-04-21	154	5.8	6.3	13.0	--	58	3	15
CE AD 52	CE-73-3603	83-08-23	151	7.8	7.8	29.0	--	65	0	15
CE AD 54	CE-72-0430	83-10-06	162	5.6	5.6	15.0	--	43	21	8.1
CE AE 49	CE-01-5651	83-08-23	230	5.6	5.4	24.0	--	69	51	16
CE AF 27	CE-73-0736	83-08-30	214	7.0	6.7	18.0	--	81	6	24
CE AF 30	CE-73-2967	83-09-22	75	6.3	6.2	15.0	--	16	0	3.5
CE AF 31		83-09-22	111	6.0	5.9	17.0	--	38	6	9.3
CE BB 1	CE-00-7840	81-08-03	75	6.0	--	16.5	--	14	--	3.0
CE BB 27	CE-73-3111	81-08-03	121	6.3	--	13.5	--	41	--	9.3
CE BB 32	CE-73-2225	83-08-23	66	6.0	5.7	22.0	--	18	0	5.3
CE BC 16	CE-00-6561	81-08-04	123	6.2	--	16.5	--	39	--	9.8
CE BC 50	CE-81-0308	83-09-15	150	6.8	6.3	19.0	--	56	0	14
CE BC 56	CE-81-0485	83-10-05	49	5.6	5.6	19.0	--	16	0	3.2
CE BC 57		83-10-03	156	5.6	5.5	17.0	--	48	22	12
CE BC 60	CE-73-0787	83-10-05	59	5.7	5.7	15.0	--	16	0	3.6
CE BD 72	CE-05-1499	83-08-25	1840	5.4	5.5	23.0	--	330	320	49
CE BD 88	CE-72-0164	83-04-27	143	5.5	5.8	14.5	--	40	27	7.9
CE BD 96	CE-70-0147	83-10-04	204	5.7	5.7	15.0	--	71	13	12
CE BE 18	CE-00-1026	54-09-28	--	--	6.2	--	--	5	0	1.3
		83-04-28	206	4.8	5.1	16.0	--	28	25	5.3
CE BE 73	CE-81-0464	82-11-30	37	7.3	6.4	12.0	--	6	0	1.4
CE BE 74	CE-81-0464	82-12-07	27	7.0	6.3	12.0	--	3	0	.75
CE BE 94	CE-65-0273	83-09-13	23	5.2	4.8	18.0	--	3	0	.68
CE BE 98	CE-73-2691	83-09-14	26	5.0	4.8	19.0	--	3	0	.61
CE BE 103	CE-67-0312	83-09-20	79	6.0	5.8	18.0	--	23	0	4.6
CE BF 12	CE-01-0274	54-09-28	--	--	6.4	16.0	6	15	3	3.3
CE BF 59	CE-04-5556	83-08-26	175	5.7	5.8	17.0	--	50	26	8.4
CE BF 77	CE-05-7157	83-03-31	242	8.1	7.9	13.0	--	69	0	18
CE BF 81	CE-81-0537	83-01-26	166	5.3	5.3	11.0	--	74	15	14
CE BF 82	CE-81-0470	83-02-01	156	5.6	5.7	13.0	--	52	38	9.5
CE BF 87	CE-73-1660	83-03-31	69	5.3	5.4	13.0	--	16	10	3.1

MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, LAB (MG/L AS HCO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	DATE OF SAMPLE	WELL No.
23	--	6.8	--	--	.40	--	76	41	83-10-05	CE AA 3
9.2	--	2.2	--	--	.40	60	49	4.0	54-12-06	CE AA 9
50	--	2.2	--	--	.20	--	111	67	83-10-05	CE AA 23
41	--	23	--	--	10	130	110	40	54-12-06	CE AB 26
10	4.9	--	--	.5	--	--	24	7.0	81-08-04	CE AB 39
5.7	--	6.7	--	--	1.1	--	31	27	83-10-05	CE AB 59
95	--	35	--	--	.20	--	174	51	83-10-05	CE AB 66
5.8	--	7.6	--	--	.60	--	60	13	83-08-23	CE AC 38
1.6	--	3.3	--	--	.50	26	21	0.1	54-12-06	CE AC 53
3.9	--	2.3	--	--	.20	--	31	.4	83-10-03	CE AC 81
33	3.7	--	--	1.0	--	--	88	19	81-08-04	CE AC 82
3.8	--	6.2	--	--	.70	--	32	2.8	83-08-25	CE AC 91
4.7	--	3.0	--	--	.60	52	39	.0	54-12-06	CE AD 39
4.7	--	3.3	--	--	.70	--	42	<.2	83-04-21	
5.1	--	9.0	--	--	3.4	--	56	4.5	83-04-21	CE AD 51
6.7	--	6.6	--	--	1.6	--	71	7.4	83-08-23	CE AD 52
5.5	--	10	--	--	1.1	--	22	18	83-10-06	CE AD 54
7.0	--	15	--	--	1.0	--	18	15	83-08-23	CE AE 49
5.0	--	9.1	--	--	3.5	--	75	27	83-08-30	CE AF 27
1.8	--	6.7	--	--	1.9	--	22	.6	83-09-22	CE AF 30
3.7	--	5.6	--	--	.70	--	33	13	83-09-22	CE AF 31
1.5	7.5	--	--	.6	--	--	30	<5.0	81-08-03	CE BB 1
4.4	4.7	--	--	1.2	--	--	26	8.0	81-08-03	CE BB 27
1.1	--	6.2	--	--	.80	--	30	3.7	83-08-23	CE BB 32
3.5	6.6	--	--	.5	--	--	44	<5.0	81-08-04	CE BC 16
5.0	--	9.0	--	--	1.3	--	71	10	83-09-15	CE BC 50
2.0	--	3.0	--	--	.30	--	18	1.3	83-10-05	CE BC 56
4.4	--	12	--	--	1.8	--	26	11	83-10-03	CE BC 57
1.7	--	4.2	--	--	1.1	--	17	<.2	83-10-05	CE BC 60
51	--	230	--	--	3.4	--	9.0	1.4	83-08-25	CE BD 72
5.0	--	8.7	--	--	.50	--	13	17	83-04-27	CE BD 88
10	--	13	--	--	.90	--	58	16	83-10-04	CE BD 96
.40	--	3.2	--	--	.40		5.0	1.8	54-09-28	CE BE 18
3.6	--	24	--	--	.90	--	3.0	6.0	83-04-28	
.63	--	3.9	--	--	.40	--	7.0	3.0	82-11-30	CE BE 73
.38	--	3.6	--	--	.40	--	4.0	3.0	82-12-07	CE BE 74
.37	--	1.9	--	--	.40	--	8.0	1.2	83-09-13	CE BE 94
.27	--	2.4	--	--	.40	--	8.0	1.0	83-09-14	CE BE 98
2.9	--	5.8	--	--	.90	--	30	2.2	83-09-20	CE BE 103
1.7	--	2.9	--	--	.90	15	12	2.4	54-09-28	CE BF 12
7.1	--	11	--	--	1.6	--	24	9.8	83-08-26	CE BF 59
5.8	--	23	--	--	3.6	--	98	6.2	83-03-31	CE BF 77
9.4	--	4.3	--	--	1.4	--	59	16	83-01-26	CE BF 81
6.8	--	11	--	--	1.9	--	14	6.0	83-02-01	CE BF 82
2.1	--	4.4	--	--	.90	--	6.0	1.1	83-03-31	CE BF 87

Table 10. Chemical analyses of ground water at selected wells—Continued

WELL No.	DATE OF SAMPLE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
CE AA 3	83-10-05	12	<.10	25	201	--	--	--	6.80	--
CE AA 9	54-12-06	7.8	.10	22	113	3.60	--	--	--	--
CE AA 23	83-10-05	31	<.10	46	294	--	--	--	4.30	--
CE AB 26	54-12-06	26	.10	27	321	18.0	--	--	--	--
CE AB 39	81-08-04	59	--	--	--	4.90	.002	--	--	.090
CE AB 59	83-10-05	4.2	<.10	20	115	--	--	--	3.40	--
CE AB 66	83-10-05	170	<.10	43	521	--	--	--	3.50	--
CE AC 38	83-08-23	7.7	<.10	27	139	--	--	--	2.70	--
CE AC 53	54-12-06	1.2	<.05	22	67	2.90	--	--	--	--
CE AC 81	83-10-03	2.0	<.10	20	70	--	--	--	2.50	--
CE AC 82	81-08-04	30	--	--	--	21.0	.004	--	--	.120
CE AC 91	83-08-25	11	<.10	27	103	--	--	--	<.100	--
CE AD 39	54-12-06	2.0	.10	25	74	.450	--	--	--	--
	83-04-21	2.4	<.10	26	78	--	--	--	1.60	--
CE AD 51	83-04-21	13	<.10	25	139	--	--	--	2.20	--
CE AD 52	83-08-23	1.7	<.10	17	97	--	--	--	<.100	--
CE AD 54	83-10-06	8.7	<.10	30	112	--	--	--	4.30	--
CE AE 49	83-08-23	30	<.10	25	180	--	--	--	6.70	--
CE AF 27	83-08-30	3.5	.20	42	182	--	--	--	.180	--
CE AF 30	83-09-22	3.4	<.10	25	64	--	--	--	2.30	--
CE AF 31	83-09-22	4.0	<.10	25	80	--	--	--	.760	--
CE BB 1	81-08-03	3.0	--	--	--	.200	.002	--	--	.090
CE BB 27	81-08-03	4.0	--	--	--	2.00	.004	--	--	.090
CE BB 32	83-08-23	3.0	<.10	32	65	--	--	--	.130	--
CE BC 16	81-08-04	6.0	--	--	--	1.50	.002	--	--	.090
CE BC 50	83-09-15	1.7	.20	54	123	--	--	--	<.100	--
CE BC 56	83-10-05	2.4	<.10	18	41	--	--	--	.750	--
CE BC 57	83-10-03	17	<.10	29	122	--	--	--	4.70	--
CE BC 60	83-10-05	2.6	<.10	25	59	--	--	--	2.20	--
CE BD 72	83-08-25	590	<.10	28	1170	--	--	--	1.30	--
CE BD 88	83-04-27	7.9	<.10	22	111	--	--	--	6.10	--
CE BD 96	83-10-04	15	<.10	36	141	--	--	--	1.30	--
CE BE 18	54-09-28	4.2	.10	6.2	23	.270	--	--	--	--
	83-04-28	42	<.10	9.3	132	--	--	--	3.60	--
CE BE 73	82-11-30	3.7	<.10	11	34	--	--	--	.230	--
CE BE 74	82-12-07	3.8	<.10	8.2	33	--	--	--	.350	--
CE BE 94	83-09-13	2.3	<.10	7.7	20	--	--	--	.280	--
CE BE 98	83-09-14	3.1	<.10	7.1	24	--	--	--	.370	--
CE BE 103	83-09-20	2.6	<.10	32	61	--	--	--	1.00	--
CE BF 12	54-09-28	3.5	.10	9.0	42	1.60	--	--	--	--
CE BF 59	83-08-26	22	<.10	15	143	--	--	--	3.60	--
CE BF 77	83-03-31	15	<.10	18	145	--	--	--	<.100	--
CE BF 81	83-01-26	5.7	<.10	23	97	--	--	--	.410	--
CE BF 82	83-02-01	26	<.10	12	112	--	--	--	5.30	--
CE BF 87	83-03-31	7.8	<.10	9.9	49	--	--	--	3.50	--

PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALU-MINUM, TOTAL RECOV-ERABLE (µG/L AS AL)	ALU-MINUM, DIS-SOLVED (µG/L AS AL)	ARSENIC DIS-SOLVED (µG/L AS AS)	BORON, DIS-SOLVED (µG/L AS B)	CADMIUM DIS-SOLVED (µG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (µG/L AS CR)	DATE OF SAMPLE	WELL No.
--	--	.020	--	100	1	<20	<1	--	83-10-05	CE AA 3
--	<.05	--	100	--	--	--	--	--	54-12-06	CE AA 9
--	--	.040	--	400	2	<20	<1	--	83-10-05	CE AA 23
--	<.05	--	300	--	--	--	--	--	54-12-06	CE AB 26
--	--	--	70	--	--	--	--	<10	81-08-04	CE AB 39
--	--	.060	--	<100	1	<20	<1	--	83-10-05	CE AB 59
--	--	.010	--	100	4	60	<1	--	83-10-05	CE AB 66
--	--	.020	--	<100	2	40	<1	--	83-08-23	CE AC 38
--	.10	--	<50	--	--	--	--	--	54-12-06	CE AC 53
--	--	.020	--	<100	1	<20	<1	--	83-10-03	CE AC 81
--	--	--	60	--	--	--	--	<10	81-08-04	CE AC 82
--	--	.020	--	100	2	<20	<1	--	83-08-25	CE AC 91
--	<.05	--	<50	--	--	--	--	--	54-12-06	CE AD 39
--	--	.020	--	<100	--	10	--	--	83-04-21	
--	--	<.010	--	<100	--	<10	--	--	83-04-21	CE AD 51
--	--	.010	--	100	1	20	<1	--	83-08-23	CE AD 52
--	--	.010	--	<100	1	<20	<1	--	83-10-06	CE AD 54
--	--	<.010	--	<100	1	20	<1	--	83-08-23	CE AE 49
--	--	<.010	--	200	2	<20	<1	--	83-08-30	CE AF 27
--	--	.130	--	300	1	30	<1	--	83-09-22	CE AF 30
--	--	.040	--	300	1	<20	<1	--	83-09-22	CE AF 31
--	--	--	70	--	--	--	--	<10	81-08-03	CE BB 1
--	--	--	70	--	--	--	--	10	81-08-03	CE BB 27
--	--	.030	--	<100	1	20	<1	--	83-08-23	CE BB 32
--	--	--	80	--	--	--	--	<10	81-08-04	CE BC 16
--	--	.020	--	<100	1	<20	<1	--	83-09-15	CE BC 50
--	--	<.010	--	800	1	<20	<1	--	83-10-05	CE BC 56
--	--	.070	--	100	1	<20	1	--	83-10-03	CE BC 57
--	--	<.010	--	<100	1	<20	<1	--	83-10-05	CE BC 60
--	--	<.010	--	200	1	<20	2	--	83-08-25	CE BD 72
--	--	<.010	--	<100	--	<10	--	--	83-04-27	CE BD 88
--	--	<.010	--	<100	2	<20	<1	--	83-10-04	CE BD 96
--	<.05	--	<50	--	--	--	--	--	54-09-28	CE BE 18
--	--	<.010	--	100	--	<10	--	--	83-04-28	
--	--	<.010	--	<100	1	10	<1	--	82-11-30	CE BE 73
--	--	.010	--	<100	1	<10	<1	--	82-12-07	CE BE 74
--	--	<.010	--	500	2	<20	<1	--	83-09-13	CE BE 94
--	--	<.010	--	200	3	<20	<1	--	83-09-14	CE BE 98
--	--	.040	--	100	1	<20	<1	--	83-09-20	CE BE 103
--	<.05	--	<50	--	--	--	--	--	54-09-28	CE BF 12
--	--	<.010	--	<100	3	<20	<1	--	83-08-26	CE BF 59
--	--	<.010	--	<100	1	80	<1	--	83-03-31	CE BF 77
--	--	<.010	--	600	1	30	<1	--	83-01-26	CE BF 81
--	--	.020	--	<100	1	20	<1	--	83-02-01	CE BF 82
--	--	<.010	--	<100	1	10	<1	--	83-03-31	CE BF 87

Table 10. Chemical analyses of ground water at selected wells—Continued

WELL No.	DATE OF SAMPLE	CHROMIUM, DISSOLVED (µG/L AS CR)	COPPER, TOTAL RECOVERABLE (µG/L AS CU)	IRON, TOTAL RECOVERABLE (µG/L AS FE)	IRON, DISSOLVED (µG/L AS FE)	LEAD, DISSOLVED (µG/L AS PB)	LITHIUM TOTAL RECOVERABLE (µG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (µG/L AS MN)	MANGANESE, DISSOLVED (µG/L AS MN)
CE AA 3	83-10-05	<10	--	--	7	<10	--	--	2
CE AA 9	54-12-06	--	10	190	<10	--	<50	10	10
CE AA 23	83-10-05	10	--	--	25	<10	--	--	8
CE AB 26	54-12-06	--	30	110	10	--	100	20	20
CE AB 39	81-08-04	--	10	50	--	--	--	10	--
CE AB 59	83-10-05	<10	--	--	<3	<10	--	--	<1
CE AB 66	83-10-05	10	--	--	5	<10	--	--	2
CE AC 38	83-08-23	20	--	--	11	<10	--	--	<1
CE AC 53	54-12-06	--	20	110	10	--	100	20	20
CE AC 81	83-10-03	10	--	--	26	<10	--	--	14
CE AC 82	81-08-04	--	20	30	--	--	--	10	--
CE AC 91	83-08-25	20	--	--	29	<10	--	--	2
CE AD 39	54-12-06	--	<5	340	<10	--	<50	10	<10
	83-04-21	--	--	--	10	--	--	--	<1
CE AD 51	83-04-21	--	--	--	23	--	--	--	28
CE AD 52	83-08-23	<10	--	--	17	<10	--	--	46
CE AD 54	83-10-06	<10	--	--	18	<10	--	--	7
CE AE 49	83-08-23	10	--	--	46	10	--	--	11
CE AF 27	83-08-30	<10	--	--	690	<10	--	--	250
CE AF 30	83-09-22	10	--	--	<3	<10	--	--	<1
CE AF 31	83-09-22	20	--	--	9	<10	--	--	<1
CE BB 1	81-08-03	--	10	940	--	--	--	80	--
CE BB 27	81-08-03	--	<10	30	--	--	--	10	--
CE BB 32	83-08-23	<10	--	--	29	<10	--	--	17
CE BC 16	81-08-04	--	60	60	--	--	--	10	--
CE BC 50	83-09-15	10	--	--	1900	<10	--	--	300
CE BC 56	83-10-05	10	--	--	6	<10	--	--	8
CE BC 57	83-10-03	<10	--	--	44	<10	--	--	9
CE BC 60	83-10-05	10	--	--	19	<10	--	--	2
CE BD 72	83-08-25	10	--	--	25	<10	--	--	140
CE BD 88	83-04-27	--	--	--	6	--	--	--	1
CE BD 96	83-10-04	10	--	--	25	<10	--	--	23
CE BE 18	54-09-28	--	--	50	10	--	--	10	10
	83-04-28	--	--	--	100	--	--	--	22
CE BE 73	82-11-30	10	--	--	34	10	--	--	30
CE BE 74	82-12-07	10	--	--	35	<10	--	--	10
CE BE 94	83-09-13	10	--	--	25	<10	--	--	8
CE BE 98	83-09-14	<10	--	--	13	<10	--	--	4
CE BE 103	83-09-20	10	--	--	23	<10	--	--	33
CE BF 12	54-09-28	--	450	70	10	--	--	10	10
CE BF 59	83-08-26	10	--	--	5	<10	--	--	1
CE BF 77	83-03-31	10	--	--	160	<10	--	--	10
CE BF 81	83-01-26	10	--	--	40	<10	--	--	16
CE BF 82	83-02-01	<10	--	--	260	20	--	--	51
CE BF 87	83-03-31	10	--	--	12	<10	--	--	4

MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	DATE OF SAMPLE	WELL No.
<.1	--	--	1.2	83-10-05	CE AA 3
--	--	530	--	54-12-06	CE AA 9
<.1	--	--	1.0	83-10-05	CE AA 23
--	--	1300	--	54-12-06	CE AB 26
--	10	80	2.0	81-08-04	CE AB 39
<.1	--	--	.50	83-10-05	CE AB 59
.2	--	--	1.1	83-10-05	CE AB 66
.2	--	--	1.6	83-08-23	CE AC 38
--	--	910	--	54-12-06	CE AC 53
<.1	--	--	.30	83-10-03	CE AC 81
--	20	40	3.0	81-08-04	CE AC 82
<.1	--	--	.40	83-08-25	CE AC 91
--	--	<10	--	54-12-06	CE AD 39
--	--	--	--	83-04-21	
--	--	--	--	83-04-21	CE AD 51
.1	--	--	3.8	83-08-23	CE AD 52
<.1	--	--	1.0	83-10-06	CE AD 54
.1	--	--	.70	83-08-23	CE AE 49
<.1	--	--	1.2	83-08-30	CE AF 27
<.1	--	--	.50	83-09-22	CE AF 30
<.1	--	--	.60	83-09-22	CE AF 31
--	10	260	1.0	81-08-03	CE BB 1
--	10	30	3.0	81-08-03	CE BB 27
<.1	--	--	.60	83-08-23	CE BB 32
--	10	60	2.0	81-08-04	CE BC 16
<.1	--	--	.20	83-09-15	CE BC 50
<.1	--	--	.30	83-10-05	CE BC 56
<.1	--	--	.80	83-10-03	CE BC 57
<.1	--	--	.20	83-10-05	CE BC 60
.2	--	--	.50	83-08-25	CE BD 72
--	--	--	--	83-04-27	CE BD 88
<.1	--	--	.90	83-10-04	CE BD 96
--	--	--	--	54-09-28	CE BE 18
--	--	--	--	83-04-28	
<.1	--	--	--	82-11-30	CE BE 73
.1	--	--	--	82-12-07	CE BE 74
.1	--	--	.10	83-09-13	CE BE 94
<.1	--	--	.20	83-09-14	CE BE 98
<.1	--	--	.60	83-09-20	CE BE 103
--	--	450	--	54-09-28	CE BF 12
.2	--	--	.50	83-08-26	CE BF 59
<.1	--	--	--	83-03-31	CE BF 77
.1	--	--	--	83-01-26	CE BF 81
.4	--	--	--	83-02-01	CE BF 82
<.1	--	--	--	83-03-31	CE BF 87

Table 10. Chemical analyses of ground water at selected wells—Continued

WELL No.	PERMIT No.	DATE OF SAMPLE	SPE-CIFIC CON-DUCT-ANCE (US/CM)	pH FIELD (STAND-ARD UNITS)	pH LAB (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
CE CC 33	CE-01-5207	55-04-15	--	--	5.5	--	15	6	0	1.4
CE CC 34	CE-01-2614	55-04-15	--	--	6.5	--	8	12	0	3.5
CE CD 44	CE-04-5547	82-12-17	22	7.0	6.2	13.0	--	2	0	.48
CE CD 48	CE-73-1024	83-03-31	144	5.8	6.0	11.0	--	43	34	9.8
CE CD 51	CE-81-0440	83-02-22	25	7.2	5.9	13.5	--	3	0	.84
CE CD 53	CE-81-0463	82-12-21	37	7.0	5.2	14.0	--	5	0	1.1
CE CD 57	CE-73-3203	83-09-14	29	5.1	4.9	15.0	--	3	0	.73
CE CD 59	CE-70-0207	83-10-04	24	5.3	5.0	17.0	--	2	0	.52
CE CD 71	CE-69-0267	83-10-04	24	5.0	5.0	15.0	--	2	0	.33
CE CE 54	CE-81-0461	82-12-07	33	5.6	5.5	15.0	--	6	0	1.5
CE CE 55	CE-81-0465	83-01-24	37	6.7	5.7	14.5	--	4	0	.87
CE CE 56	CE-81-0466	83-02-09	42	5.2	5.4	14.0	--	10	0	2.4
CE CE 57	CE-73-3908	83-08-30	20	5.0	4.8	20.0	--	3	0	.54
CE CE 60	CE-73-3929	83-08-18	204	4.8	4.6	21.0	--	34	30	7.0
CE CE 63	CE-70-0265	83-08-24	120	5.6	4.9	20.0	--	17	16	3.5
CE CF 2		53-02-16	--	--	5.8	--	0	31	19	8.6
CE CF 3		83-08-24	90	5.9	5.3	21.0	--	19	7	4.9
CE CF 18		53-02-18	--	--	6.4	--	10	71	13	22
CE CF 62	CE-73-1372	83-08-18	124	6.2	6.4	24.5	--	9	0	1.9
CE CF 74	CE-73-3192	83-09-01	128	5.7	5.6	17.0	--	29	17	7.5
CE DD 51		54-09-28	--	--	6.8	16.5	--	70	0	--
CE DD 70		83-09-01	505	5.2	5.1	21.0	--	160	150	21
CE DD 71	CE-68-0238	83-09-29	38	4.7	4.9	15.0	--	3	0	.60
CE DD 81	CE-81-0469	83-02-18	2050	5.2	4.6	15.0	--	610	--	100
CE DD 82	CE-73-3139	83-09-01	60	5.0	4.5	18.0	--	11	6	2.4
CE DD 84	CE-73-0774	83-09-01	44	5.2	4.8	18.0	--	8	4	2.0
CE DD 87	CE-73-0943	83-08-16	126	6.3	5.9	25.0	--	51	0	16
CE DE 7	CE-00-0470	54-09-28	--	--	7.5	16.5	5	44	0	14
CE DE 47	CE-73-2925	83-04-26	200	7.0	6.8	14.5	--	58	0	17
CE DE 50		83-08-18	236	5.7	5.6	28.0	--	30	14	7.2
CE DF 11		55-01-10	--	--	7.7	14.0	4	100	1	38
		83-04-26	236	7.7	7.5	15.5	--	110	7	39
CE DF 31		83-09-21	241	5.2	5.2	18.0	--	77	67	17
CE EC 21	CE-65-0328	83-09-01	110	6.2	5.4	21.0	--	17	4	1.5
CE ED 15		81-05-12	147	4.2	6.2	13.5	0	38	25	9.5
CE ED 23	CE-73-0319	83-08-16	61	5.4	4.9	23.0	--	9	3	2.1
CE EE 5		54-09-28	--	--	6.8	16.5	7	12	0	4.6
CE EE 11	CE-01-1551	83-09-20	329	7.5	7.3	17.0	--	75	0	23
CE EE 29	CE-73-2266	78-08-01	410	7.3	--	17.0	200	15	0	4.6
CE EE 35	CE-73-3504	83-08-16	243	7.6	7.5	21.0	--	67	0	21
CE EE 36	CE-73-2332	83-09-01	315	7.5	7.5	19.0	--	150	10	59
CE EF 1	CE-00-1853	83-09-22	452	5.8	5.9	18.0	--	180	96	36

MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM+ POTAS-SIUM DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE, LAB (MG/L AS HCO3)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	DATE OF SAMPLE	WELL No.
.60	--	2.5	--	--	.40		5.0	.3	55-04-15	CE CC 33
.80	--	4.1	--	--	.90	34	28	2.0	55-04-15	CE CC 34
.31	--	1.7	--	--	.20	--	3.0	1.0	82-12-17	CE CD 44
4.5	--	6.2	--	--	2.4	--	9.0	28	83-03-31	CE CD 48
.34	--	1.9	--	--	.50	--	5.0	6.3	83-02-22	CE CD 51
.50	--	3.4	--	--	.40	--	4.0	7.0	82-12-21	CE CD 53
.36	--	2.5	--	--	.40	--	7.0	.8	83-09-14	CE CD 57
.28	--	1.6	--	--	.30	--	7.0	1.7	83-10-04	CE CD 59
.20	--	1.8	--	--	.40	--	7.0	1.8	83-10-04	CE CD 71
.50	--	2.4	--	--	.40	--	5.0	3.0	82-12-07	CE CE 54
.47	--	2.2	--	--	.50	--	6.0	5.0	83-01-24	CE CE 55
.94	--	3.6	--	--	.60	--	10	6.0	83-02-09	CE CE 56
.31	--	1.9	--	--	.30	--	3.0	2.4	83-08-30	CE CE 57
3.9	--	21	--	--	1.5	--	4.0	.6	83-08-18	CE CE 60
2.1	--	3.6	--	--	.90	--	1.0	30	83-08-24	CE CE 63
2.3	--	--	4.3	--	--	15	12	22	53-02-16	CE CF 2
1.7	--	2.3	--	--	.90	--	12	12	83-08-24	CE CF 3
3.9	--	--	8.0	--	--	71	61	27	53-02-18	CE CF 18
.94	--	22	--	--	8.0	--	63	1.6	83-08-18	CE CF 62
2.4	--	2.4	--	--	1.3	--	12	22	83-09-01	CE CF 74
--	--	--	16	--	--	110	89	8.5	54-09-28	CE DD 51
27	--	33	--	--	1.7	--	12	130	83-09-01	CE DD 70
.36	--	2.0	--	--	.70	--	4.0	7.2	83-09-29	CE DD 71
87	--	57	--	--	6.2	--	<1.0	1200	83-02-18	CE DD 81
1.3	--	4.7	--	--	1.2	--	5.0	1.4	83-09-01	CE DD 82
.74	--	3.1	--	--	1.2	--	4.0	2.2	83-09-01	CE DD 84
										CE DD 87
2.3	--	12	--	--	4.4	94	77	2.8	54-09-28	CE DE 7
3.7	--	10	--	--	4.3	--	79	8.2	83-04-26	CE DE 47
2.8	--	31	--	--	1.4	--	16	1.4	83-08-18	CE DE 50
1.5	--	2.5	--	--	3.5	120	105	7.5	55-01-10	CE DF 11
2.2	--	3.0	--	--	3.6	--	100	16	83-04-26	
8.3	--	6.3	--	--	3.3	--	10	8.0	83-09-21	CE DF 31
3.2	--	12	--	--	2.0	--	13	8.0	83-09-01	CE EC 21
3.5	--	12	--	--	1.4	--	13	.3	81-05-12	CE ED 15
.99	--	5.4	--	--	2.1	--	6.0	7.0	83-08-16	CE ED 23
.10	--	6.3	--	--	1.7	22	18	.4	54-09-28	CE EE 5
4.2	--	37	--	--	5.1	--	146	9.6	83-09-20	CE EE 11
.80	--	70	--	--	3.2	--	190	13	78-08-01	CE EE 29
3.6	--	25	--	--	4.4	--	114	8.6	83-08-16	CE EE 35
1.8	--	3.0	--	--	1.9	--	145	11	83-09-01	CE EE 36
21	--	28	--	--	2.8	--	81	69	83-09-22	CE EF 1

Table 10. Chemical analyses of ground water at selected wells—Continued

WELL No.	DATE OF SAMPLE	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
CE CC 33	55-04-15	3.3	<.05	9.0	28	.540	--	--	--	--
CE CC 34	55-04-15	7.1	<.05	7.1	55	1.30	--	--	--	--
CE CD 44	82-12-17	2.6	<.10	8.0	20	--	--	--	<.100	--
CE CD 48	83-03-31	12	<.10	11	102	--	--	--	1.10	--
CE CD 51	83-02-22	2.4	<.10	7.5	16	--	--	--	.100	--
CE CD 53	82-12-21	2.0	<.10	8.0	26	--	--	--	.150	--
CE CD 57	83-09-14	3.3	<.10	7.6	20	--	--	--	.550	--
CE CD 59	83-10-04	2.3	<.10	7.3	18	--	--	--	.200	--
CE CD 71	83-10-04	2.3	<.10	7.9	20	--	--	--	.120	--
CE CE 54	82-12-07	2.2	<.10	8.0	30	--	--	--	.170	--
CE CE 55	83-01-24	1.6	<.10	8.1	25	--	--	--	<.100	--
CE CE 56	83-02-09	3.6	<.10	9.0	29	--	--	--	.110	--
CE CE 57	83-08-30	2.0	<.10	7.2	42	--	--	--	<.100	--
CE CE 60	83-08-18	48	<.10	8.6	149	--	--	--	2.40	--
CE CE 63	83-08-24	3.1	<.10	12	81	--	--	--	<.100	--
CE CF 2	53-02-16	3.4	--	--	--	.110	--	--	--	--
CE CF 3	83-08-24	2.1	<.10	9.5	41	--	--	--	.140	--
CE CF 18	53-02-18	1.8	--	--	--	--	--	--	--	--
CE CF 62	83-08-18	2.1	<.10	8.0	105	--	--	--	.100	--
CE CF 74	83-09-01	2.7	<.10	9.1	55	--	--	--	<.100	--
CE DD 51	54-09-28	5.2	--	--	--	.020	--	--	--	--
CE DD 70	83-09-01	69	<.10	23	353	--	--	--	3.40	--
CE DD 71	83-09-29	2.2	<.10	8.2	34	--	--	--	.200	--
CE DD 81	83-02-18	52	.20	12	1980	--	--	--	.130	--
CE DD 82	83-09-01	8.3	<.10	11	56	--	--	--	1.90	--
CE DD 84	83-09-01	4.4	<.10	9.0	43	--	--	--	1.70	--
CE DD 87	83-08-16	2.4	.40	12	110	--	--	--	<.100	--
CE DE 7	54-09-28	1.2	.20	3.2	90	.230	--	--	--	--
CE DE 47	83-04-26	1.3	.30	7.6	105	--	--	--	<.100	--
CE DE 50	83-08-18	42	<.10	25	179	--	--	--	4.90	--
CE DF 11	55-01-10	2.0	.40	21	144	.020	--	--	--	--
	83-04-26	4.1	.50	22	167	--	--	--	<.100	--
CE DF 31	83-09-21	33	<.10	12	160	--	--	--	12.0	--
CE EC 21	83-09-01	12	<.10	13	70	--	--	--	3.10	--
CE ED 15	81-05-12	18	<.10	16	138	--	--	5.50	--	--
CE ED 23	83-08-16	8.6	<.10	17	62	--	--	--	.440	--
CE EE 5	54-09-28	8.1	.10	10	58	2.70	--	--	--	--
CE EE 11	83-09-20	7.4	.40	7.9	179	--	--	--	<.100	--
CE EE 29	78-08-01	16	.90	8.1	439	--	--	.030	--	--
CE EE 35	83-08-16	3.3	.40	8.2	174	--	--	--	<.100	--
CE EE 36	83-09-01	5.7	.20	19	191	--	--	--	<.100	--
CE EF 1	83-09-22	56	<.10	9.9	289	--	--	--	5.40	--

PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHATE, TOTAL (MG/L AS PO4)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ALU-MINUM, TOTAL RECOV-ERABLE (UG/L AS AL)	ALU-MINUM, DIS-SOLVED (UG/L AS AL)	ARSENIC DIS-SOLVED (UG/L AS AS)	BORON, DIS-SOLVED (UG/L AS B)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	DATE OF SAMPLE	WELL No.
--	<.05	--	100	--	--	--	--	--	55-04-15	CE CC 33
--	<.05	--	3500	--	--	--	--	--	55-04-15	CE CC 34
--	--	.010	--	100	<1	70	<1	--	82-12-17	CE CD 44
--	--	<.010	--	<100	1	20	<1	--	83-03-31	CE CD 48
--	--	.030	--	<100	1	10	<1	--	83-02-22	CE CD 51
--	--	<.010	--	100	<1	130	<1	--	82-12-21	CE CD 53
--	--	<.010	--	100	2	20	<1	--	83-09-14	CE CD 57
--	--	1.20	--	700	1	<20	<1	--	83-10-04	CE CD 59
--	--	.040	--	<100	1	<20	<1	--	83-10-04	CE CD 71
--	--	<.010	--	<100	1	30	<1	--	82-12-07	CE CE 54
--	--	.010	--	900	1	10	<1	--	83-01-24	CE CE 55
--	--	<.010	--	200	1	20	<1	--	83-02-09	CE CE 56
--	--	<.010	--	400	1	<20	<1	--	83-08-30	CE CE 57
--	--	<.010	--	<100	1	10	<1	--	83-08-18	CE CE 60
--	--	<.010	--	<100	2	30	1	--	83-08-24	CE CE 63
--	--	--	--	--	--	--	--	--	53-02-16	CE CF 2
--	--	<.010	--	100	2	20	1	--	83-08-24	CE CF 3
--	--	--	--	--	--	--	--	--	53-02-18	CE CF 18
--	--	<.010	--	<100	1	20	<1	--	83-08-18	CE CF 62
--	--	<.010	--	100	2	<20	<1	--	83-09-01	CE CF 74
--	--	--	--	--	--	--	--	--	54-09-28	CE DD 51
--	--	.020	--	200	2	<20	<1	--	83-09-01	CE DD 70
--	--	<.010	--	200	1	20	<1	--	83-09-29	CE DD 71
--	--	<.010	--	200	1	70	20	--	83-02-18	CE DD 81
--	--	<.010	--	<100	2	<20	<1	--	83-09-01	CE DD 82
--	--	<.010	--	<100	4	<20	<1	--	83-09-01	CE DD 84
--	--	<.010	--	<100	2	20	1	--	83-08-16	CE DD 87
--	<.05	--	<50	--	--	--	--	--	54-09-28	CE DE 7
--	--	.050	--	<100	--	80	--	--	83-04-26	CE DE 47
--	--	<.010	--	<100	1	20	<1	--	83-08-18	CE DE 50
--	.10	--	<100	--	--	--	--	--	55-01-10	CE DF 11
--	--	<.010	--	<100	--	20	--	--	83-04-26	
--	--	<.010	--	100	1	<20	<1	--	83-09-21	CE DF 31
--	--	<.010	--	<100	2	70	1	--	83-09-01	CE EC 21
.020	--	--	--	--	--	--	--	--	81-05-12	CE ED 15
--	--	<.010	--	<100	2	<20	1	--	83-08-16	CE ED 23
--	<.05	--	<50	--	--	--	--	--	54-09-28	CE EE 5
--	--	.020	--	100	1	200	1	--	83-09-20	CE EE 11
.260	--	--	--	--	--	--	--	--	78-08-01	CE EE 29
--	--	.020	--	<100	2	150	1	--	83-08-16	CE EE 35
--	--	<.010	--	100	3	<20	<1	--	83-09-01	CE EE 36
--	--	<.010	--	100	1	50	<1	--	83-09-22	CE EF 1

Table 10. Chemical analyses of ground water at selected wells—Continued

WELL No.	DATE OF SAMPLE	CHROMIUM, DISSOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)
CE CC 33	55-04-15	--	30	800	40	--	<50	20	20
CE CC 34	55-04-15	--	10	130	<10	--	100	30	10
CE CD 44	82-12-17	20	--	--	4	10	--	--	22
CE CD 48	83-03-31	<10	--	--	<3	<10	--	--	12
CE CD 51	83-02-22	<10	--	--	58	<10	--	--	22
CE CD 53	82-12-21	10	--	--	820	<10	--	--	69
CE CD 57	83-09-14	<10	--	--	280	<10	--	--	6
CE CD 59	83-10-04	<10	--	--	2000	--	--	--	22
CE CD 71	83-10-04	<10	--	--	120	<10	--	--	41
CE CE 54	82-12-07	10	--	--	870	10	--	--	56
CE CE 55	83-01-24	<10	--	--	4000	<10	--	--	49
CE CE 56	83-02-09	<10	--	--	310	<10	--	--	16
CE CE 57	83-08-30	<10	--	--	290	<10	--	--	36
CE CE 60	83-08-18	10	--	--	670	<10	--	--	82
CE CE 63	83-08-24	<10	--	--	16000	<10	--	--	160
CE CF 2	53-02-16	--	--	21000	30	--	--	--	--
CE CF 3	83-08-24	50	--	--	22000	<10	--	--	110
CE CF 18	53-02-18	--	--	18000	310	--	--	--	--
CE CF 62	83-08-18	<10	--	--	25	<10	--	--	41
CE CF 74	83-09-01	10	--	--	24000	10	--	--	170
CE DD 51	54-09-28	--	--	4400	--	--	--	--	--
CE DD 70	83-09-01	10	--	--	1300	<10	--	--	2000
CE DD 71	83-09-29	10	--	--	1900	<10	--	--	36
CE DD 81	83-02-18	10	--	--	230000	40	--	--	36000
CE DD 82	83-09-01	<10	--	--	30	<10	--	--	6
CE DD 84	83-09-01	10	--	--	26	<10	--	--	9
CE DD 87	83-08-16	<10	--	--	12000	<10	--	--	130
CE DE 7	54-09-28	--	<5	13000	10	--	1100	380	--
CE DE 47	83-04-26	--	--	--	5500	--	--	--	63
CE DE 50	83-08-18	10	--	--	7	<10	--	--	41
CE DF 11	55-01-10	--	<5	460	50	--	200	70	10
	83-04-26	--	--	--	140	--	--	--	6
CE DF 31	83-09-21	<10	--	--	700	30	--	--	74
CE EC 21	83-09-01	<10	--	--	83	<10	--	--	16
CE ED 15	81-05-12	--	--	70	20	--	--	20	20
CE ED 23	83-08-16	30	--	--	960	<10	--	--	86
CE EE 5	54-09-28	--	--	100	10	--	10	10	10
CE EE 11	83-09-20	10	--	--	180	<10	--	--	16
CE EE 29	78-08-01	--	--	4100	1700	--	--	40	40
CE EE 35	83-08-16	30	--	--	580	20	--	--	11
CE EE 36	83-09-01	<10	--	--	290	<10	--	--	13
CE EF 1	83-09-22	<10	--	--	67	10	--	--	19

MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	DATE OF SAMPLE	WELL No.
--	--	390	--	55-04-15	CE CC 33
--	--	2300	--	55-04-15	CE CC 34
<.1	--	--	--	82-12-17	CE CD 44
.7	--	--	--	83-03-31	CE CD 48
.3	--	--	--	83-02-22	CE CD 51
.1	--	--	--	82-12-21	CE CD 53
<.1	--	--	.40	83-09-14	CE CD 57
<.1	--	--	1.4	83-10-04	CE CD 59
<.1	--	--	.60	83-10-04	CE CD 71
.2	--	--	--	82-12-07	CE CE 54
.2	--	--	--	83-01-24	CE CE 55
.2	--	--	--	83-02-09	CE CE 56
<.1	--	--	.60	83-08-30	CE CE 57
.6	--	--	1.2	83-08-18	CE CE 60
.1	--	--	.80	83-08-24	CE CE 63
--	--	--	--	53-02-16	CE CF 2
.3	--	--	.80	83-08-24	CE CF 3
--	--	--	--	53-02-18	CE CF 18
.3	--	--	1.1	83-08-18	CE CF 62
<.1	--	--	.80	83-09-01	CE CF 74
--	--	--	--	54-09-28	CE DD 51
<.1	--	--	.80	83-09-01	CE DD 70
.1	--	--	.40	83-09-29	CE DD 71
.3	--	--	--	83-02-18	CE DD 81
.1	--	--	.80	83-09-01	CE DD 82
.1	--	--	.30	83-09-01	CE DD 84
.4	--	--	1.9	83-08-16	CE DD 87
--	--	200	--	54-09-28	CE DE 7
--	--	--	--	83-04-26	CE DE 47
.2	--	--	1.7	83-08-18	CE DE 50
--	--	300	--	55-01-10	CE DF 11
--	--	--	--	83-04-26	
.7	--	--	.50	83-09-21	CE DF 31
.1	--	--	.70	83-09-01	CE EC 21
--	--	--	--	81-05-12	CE ED 15
.1	--	--	1.6	83-08-16	CE ED 23
--	--	--	--	54-09-28	CE EE 5
<.1	--	--	.80	83-09-20	CE EE 11
--	--	--	--	78-08-01	CE EE 29
<.1	--	--	.70	83-08-16	CE EE 35
<.1	--	--	1.8	83-09-01	CE EE 36
<.1	--	--	1.8	83-09-22	CE EF 1

Table 11. Water levels in selected wells

[Water levels are in feet below land surface datum (lsd).
Records are for taped measurement on the date specified,unless otherwise indicated.]

CE AA 2. Domestic well drilled in bedrock. Highest water level 20.66 ft below lsd, June 5,1980; lowest 30.71 ft below lsd, October 7,1982. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	20.66	APR 20, 1981	24.84	OCT 19, 1981	29.98	OCT 07, 1982	30.71
OCT 28	27.07						

CE AB 39. Drilled bedrock well. Highest water level 25.54 ft below lsd, June 5,1980; lowest 30.66 ft below lsd, October 19,1982. Records available: 1980-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	25.54	OCT 28, 1980	28.90	APR 21, 1981	29.65	OCT9, 1981	30.66

CE AB 52. Domestic well drilled in bedrock. Highest water level 4.78 ft below lsd, April 20,1981 lowest 15.66 ft below lsd, October 28,1980. Records available: 1980-81. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	10.29	OCT 28, 1980	15.66	APR 20, 1981	4.78	OCT 20, 1981	12.97

CE AC 39. Unused observation well drilled in bedrock. Highest daily low water level 4.30 ft below lsd, April 19,1953; lowest 28.40 ft below lsd, November 28,1982. Records available: 1953-54, 1981-83. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by nearby public supply wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 03, 1953	5.87	FEB 02, 1954	7.30	MAR 01,1982	21.05	JAN 02, 1983	27.98
18	4.38	12	7.63	17	20.17	15	27.92
MAY 01	7.04	MAR 01	6.49	APR 01	20.63	FEB 01	25.52
14	6.96	16	6.87	14	20.35	15	26.52
JUN 01	4.54	APR 01	6.60	MAY 01	20.60	MAR 01	26.59
15	6.74	15	7.30	14	21.14	15	25.38
JUL 01	8.03	MAY 01	7.25	JUN 01	21.87	APR 02	24.56
19	8.06	16	6.81	15	22.98	21	20.40
AUG 01	8.81	JUN 01	8.10	JUL 01	21.15	MAY 01	20.60
13	9.89	10	9.95	18	22.90	09	23.78
SEP 01	11.13	JUL 01	10.34	AUG 01	22.60	JUN 08	21.75
16	15.20	12	9.50	16	26.88	12	21.55
OCT 01	10.09	AUG 02	10.37	SEP 01	24.65	JUL 04	24.29
16	9.00	14	10.45	14	25.78	06	21.53
NOV 01	8.34	DEC 04, 1981	23.17	OCT 01	26.00	DEC 05	22.53
15	6.97	23	21.85	16	25.95		
DEC 01	7.49	JAN 01, 1982	23.71	NOV 01	26.49		
16	5.77	20	25.97	15	27.41		
JAN 01, 1954	6.37	FEB 01	22.25	DEC 01	27.89		
15	7.35	19	21.63	06	26.08		

CE AC 73. Unused dug well. Highest water level 16.19 ft below lsd, May 1,1957; lowest 22.53 ft below lsd, February 14,1956. Records available: 1956-57.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 14, 1956	22.53	AUG 12, 1956	20.65	FEB 12, 1957	17.95	JUL 31, 1957	20.33
MAR 05	20.13	SEP 11	21.33	MAR 11	16.89	SEP 12	22.17
APR 04	18.36	OCT 02	21.64	APR 02	16.62	OCT 03	21.73
MAY 02	17.98	NOV 06	20.67	MAY 01	16.19	NOV 08	21.45
JUN 05	19.05	DEC 04	19.79	JUN 04	17.71		
JUL 10	20.43	JAN 03, 1957	18.61	JUL 09	19.21		

Table 11. Water levels in selected wells—Continued

CE AC 76. Domestic dug well. Highest water level 3.21 ft below lsd, April 2,1958; lowest 17.85 ft below lsd, July 1,1959. Records available:1958-59. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 03, 1958	7.73	MAY 07, 1958	5.61	NOV 03, 1958	14.24	MAR 31, 1959	12.35
FEB 06	8.13	JUN 03	10.98	DEC 09	13.38	MAY 11	13.53
MAR 04	7.95	SEP 03	10.11	JAN 05, 1959	13.73	JUL 01	17.85
APR 02	3.21	OCT 03	13.34	FEB 03	15.11	AUG 04	16.35

CE AC 77. Unused dug well. Highest water level 11.47 ft below lsd, May 7,1958. Well was dry November 5, December 2,1965; January 4, February 15, August 29, October 11, November 15, December 14, 1966. Records available: 1958-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 06, 1958	15.65	DEC 04, 1962	19.68	DEC 05, 1967	20.78	AUG 08, 1973	17.93
MAR 04	15.04	JAN 04, 1963	19.33	JAN 03, 1968	18.10	SEP 07	20.13
APR 02	11.65	JAN 18	18.74	FEB 26	17.66	OCT 09	21.13
MAY 07	11.47	FEB 08	18.73	MAR 26	15.80	NOV 09	20.94
JUN 03	17.25	MAR 07	19.10	APR 30	17.35	DEC 12	20.37
AUG 05	18.69	APR 02	17.32	JUN 05	16.28	JAN 09, 1974	16.08
SEP 03	16.22	MAY 07	19.00	JUL 15	17.87	FEB 13	15.85
OCT 03	18.77	JUN 17	20.92	AUG 07	20.42	MAR 13	16.65
NOV 03	18.75	JUL 05	21.96	15	21.10	APR 17	14.11
DEC 09	17.56	AUG 01	23.64	OCT 01	23.40	MAY 29	16.67
JAN 05, 1959	18.53	SEP 05	24.81	NOV 20	23.56	JUL 17	19.34
FEB 03	19.56	OCT 02	25.43	DEC 31	21.01	AUG 20	20.92
MAR 03	18.06	25	25.74	JAN 03, 1969	21.30	OCT 09	20.20
31	17.37	NOV 07	25.76	23	20.94	NOV 13	20.90
MAY 11	18.10	DEC 16	22.53	FEB 26	20.62	JAN 02, 1975	17.65
JUN 02	19.55	JAN 03, 1964	22.07	APR 03	19.75	FEB 05	12.30
JUL 01	20.91	FEB 17	18.28	MAY 08	19.53	MAR 13	15.50
AUG 04	21.68	MAR 02	17.90	JUN 05	20.73	APR 15	15.51
SEP 01	22.34	APR 14	15.39	JUL 18	23.13	MAY 19	14.45
OCT 05	20.33	MAY 05	14.08	SEP 11	21.79	JUN 24	15.50
NOV 06	21.13	JUN 03	16.70	OCT 29	23.53	SEP 08	18.70
DEC 04	19.76	30	19.81	DEC 12	23.03	OCT 23	16.79
JAN 05, 1960	16.46	AUG 06	21.74	JAN 13, 1970	18.84	NOV 19	16.44
FEB 02	16.24	SEP 03	23.26	28	18.70	DEC 10	16.54
MAR 15	15.78	OCT 08	24.82	MAR 13	17.21	JAN 06, 1976	16.17
APR 07	13.39	30	25.37	MAY 05	14.67	FEB 25	15.14
MAY 03	16.36	DEC 01	25.92	JUN 01	17.02	APR 12	15.36
JUN 03	16.76	JAN 07, 1965	22.70	JUL 14	17.86	MAY 18	17.86
JUL 06	18.70	FEB 03	20.26	SEP 18	20.83	JUN 30	18.87
AUG 02	17.66	MAR 16	17.90	OCT 07	21.76	AUG 17	20.29
SEP 06	18.27	APR 23	17.90	NOV 18	21.25	OCT 06	21.79
OCT 05	16.78	MAY 19	19.11	JAN 28, 1971	17.80	NOV 10	17.34
NOV 02	17.83	JUN 08	20.36	MAR 05	16.24	DEC 13	17.95
DEC 06	18.21	JUL 07	22.30	30	15.88	JAN 05, 1977	18.76
JAN 05, 1961	17.67	29	23.63	MAY 07	17.14	FEB 17	18.11
FEB 03	20.86	SEP 07	25.59	JUN 16	17.10	APR 04	16.19
18	15.74	NOV 05	DRY	JUL 28	20.42	MAY 13	17.39
MAR 02	13.69	DEC 02	DRY	AUG 05	20.51	JUN 27	19.11
APR 05	13.44	JAN 04, 1966	DRY	NOV 04	15.56	AUG 12	21.60
MAY 04	14.15	FEB 15	DRY	DEC 13	15.07	SEP 14	19.02
JUN 06	16.96	MAR 14	24.21	JAN 13, 1972	15.42	OCT 28	22.02
JUL 07	19.03	APR 26	22.84	FEB 22	14.72	DEC 05	17.98
AUG 03	20.27	JUN 06	21.87	MAR 15	14.46	JAN 04, 1978	15.96
SEP 06	21.56	JUL 19	24.48	APR 05	14.69	MAR 06	17.51
OCT 06	22.69	AUG 29	DRY	MAY 09	13.43	APR 17	15.56
31	23.43	OCT 11	DRY	JUN 07	16.23	JUN 09	15.31
DEC 06	23.54	NOV 15	DRY	JUL 06	14.79	JUL 13	17.96
JAN 05, 1962	21.76	DEC 14	DRY	SEP 08	20.04	AUG 31	19.28
FEB 08	19.77	JAN 03, 1967	24.33	OCT 10	21.70	OCT 16	19.87
MAR 13	16.18	FEB 02	24.41	NOV 10	21.97	NOV 16	21.07
APR 04	15.40	28	20.25	DEC 06	17.28	DEC 19	20.25
MAY 02	15.34	APR 12	18.43	JAN 12, 1973	14.46	JAN 04, 1979	17.85
JUN 05	18.37	MAY 15	18.33	FEB 07	13.57	FEB 09	16.27
JUL 06	18.06	JUN 17	20.06	MAR 09	14.44	MAR 13	17.76
AUG 02	20.22	JUL 24	21.74	APR 04	13.20	JUN 04	17.00
SEP 05	22.00	SEP 02	17.80	MAY 09	14.31	JUL 20	19.54
OCT 19	23.55	OCT 06	19.29	JUN 08	14.60	AUG 27	21.62
31	23.79	NOV 07	20.54	JUL 18	16.12	OCT 09	16.54

Table 11. Water levels in selected wells—Continued

CE AC 82. Domestic well drilled in bedrock. Highest water level 31.40 ft below lsd, June 5,1980; lowest 43.52 ft below lsd, October 7,1982. Records available: 1980-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	31.40	APR 21, 1982	39.39	OCT 07, 1982	43.52

CE AC 83. Unused commercial well drilled in bedrock. Highest daily low water level 9.09 ft below lsd, April 29,1983; lowest, 11.03 ft below lsd, February 3,and October 17, 1982. Records available: 1982-83. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide and barometric pressure.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 03, 1982	10.07	MAY 01, 1982	9.89	JUL 08, 1982	10.10	SEP 22, 1982	10.84
FEB 03	11.03	02	9.92	09	10.08	23	10.82
22	9.89	04	9.99	10	10.13	24	10.81
23	9.95	05	10.01	11	10.13	25	10.84
24	9.98	06	10.02	12	10.17	26	10.85
25	10.02	07	10.04	13	10.22	30	10.80
26	10.03	08	10.05	14	10.23	OCT 01	10.82
27	10.02	09	10.07	15	10.23	02	10.87
28	10.03	10	10.11	16	10.07	03	10.89
MAR 04	10.02	11	10.13	17	10.11	04	10.93
05	10.09	12	10.15	18	10.14	05	10.96
06	10.05	13	10.17	19	10.18	06	10.93
07	10.02	14	10.19	20	10.18	07	10.95
08	9.98	15	10.22	21	10.23	08	10.95
09	10.00	16	10.24	22	10.25	09	11.01
10	9.99	17	10.26	23	10.27	10	11.01
11	9.96	18	10.27	AUG 02	10.37	11	11.02
12	9.95	19	10.27	03	10.41	12	11.02
13	9.95	20	10.26	04	10.45	13	11.00
14	9.99	21	10.29	05	10.51	14	10.90
15	10.00	22	10.30	06	10.54	15	10.92
16	9.99	23	10.29	07	10.56	16	10.98
17	9.95	24	10.26	08	10.56	17	11.03
18	9.95	25	10.25	09	10.54	18	11.02
19	9.98	26	10.27	10	10.54	19	11.02
20	10.00	27	10.31	11	10.55	20	11.01
21	10.02	28	10.28	12	10.50	21	10.90
22	10.05	29	10.12	13	10.50	22	10.90
23	10.05	30	10.16	14	10.55	23	10.92
24	10.07	31	10.14	15	10.60	24	10.91
25	10.06	JUN 01	10.14	16	10.63	25	10.91
26	10.11	02	10.09	17	10.64	26	10.79
27	10.14	03	10.12	18	10.68	27	10.80
28	10.14	04	10.11	19	10.71	28	10.80
29	10.12	05	10.09	20	10.72	NOV 29	10.43
30	10.11	06	10.01	21	10.73	DEC 29	10.47
31	10.06	07	9.90	22	10.74	JAN 04, 1983	10.59
APR 01	10.10	08	9.95	23	10.74	05	10.59
02	10.14	09	9.99	24	10.61	06	10.49
03	10.11	10	10.02	25	10.59	07	10.53
04	10.03	11	10.02	26	10.61	08	10.57
05	10.04	12	10.04	27	10.63	09	10.58
06	9.97	13	10.01	28	10.71	10	10.53
07	9.89	14	9.70	29	10.74	11	10.42
08	9.91	15	9.76	30	10.75	12	10.46
09	9.90	16	9.82	31	10.76	13	10.50
10	9.94	17	9.69	SEP 01	10.77	14	10.47
11	9.92	18	9.74	02	10.76	15	10.42
12	9.96	19	9.77	03	10.69	16	10.46
13	9.96	20	9.85	04	10.74	17	10.48
14	10.00	21	9.88	05	10.76	18	10.51
15	10.01	22	9.92	06	10.78	19	10.55
16	10.02	23	9.95	07	10.80	20	10.56
17	10.00	24	9.99	08	10.80	21	10.56
18	9.96	25	10.00	09	10.80	22	10.56
19	9.99	26	10.02	10	10.82	23	10.47
20	10.00	27	10.03	11	10.83	24	10.27
21	10.04	28	9.97	12	10.86	25	10.30
22	10.06	29	9.96	13	10.88	26	10.32
23	10.08	30	9.91	14	10.90	27	10.34
24	10.09	JUL 01	9.98	15	10.90	28	10.36
25	10.11	02	10.01	16	10.94	29	10.36
26	10.08	03	10.01	17	10.96	30	10.33
27	9.84	04	9.98	18	10.99	31	10.34
28	9.80	05	10.03	19	11.00	FEB 01	10.34
29	9.83	06	10.06	20	10.96	02	10.34
30	9.86	07	10.08	21	10.86	03	10.11

Table 11. Water levels in selected wells—Continued

CE AC 83 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 04, 1983	10.08	FEB 19, 1983	10.01	MAR 06, 1983	10.01	MAR 21, 1983	9.66
05	10.14	20	10.00	07	9.95	22	9.52
06	10.13	21	9.96	08	9.92	23	9.58
07	10.09	22	9.90	09	9.85	24	9.60
08	10.09	23	9.90	10	9.73	25	9.68
09	10.12	24	9.93	11	9.72	26	9.68
10	10.16	25	9.98	12	9.79	27	9.66
11	10.13	26	10.02	13	9.83	28	9.42
12	10.20	27	10.00	14	9.84	29	9.49
13	10.18	28	10.04	15	9.89	30	9.54
14	10.16	MAR 01	10.04	16	9.90	APR 29	9.09
15	10.17	02	9.94	17	9.91	MAY 04	9.12
16	10.15	03	9.98	18	9.86		
17	10.12	04	9.97	19	9.66		
18	10.09	05	10.02	20	9.70		

CE AD 66. Domestic dug well. Highest water level 12.7 ft below lsd, May 1,1983. Well was dry October 1, October 10, December 25, 1963; October 14,1965; September 15,1967, January 15,1967; May 27, August 9, September 21, November 21,1981. Records available: 1953-84. Records are of intermittent measurements by owner. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 13, 1953	19.	SEP 09, 1961	19.5	MAY 03, 1965	16.5	MAY 21, 1971	16.3
OCT 12	20.5	30	20.	AUG 15	20.6	JUL 20	18.7
24	21.	OCT 05	20.5	SEP 08	21.5	SEP 22	15.3
DEC 16	20.	NOV 16	21.3	25	22.5	NOV 24	15.7
JUL 15, 1954	18.5	DEC 05	21.7	OCT 14	DRY	AUG 06, 1972	16.5
SEP 01	20.	28	21.3	APR 12, 1966	22.5	NOV 16	19.3
OCT 24	22.5	JAN 15, 1962	20.	MAY 15	20.5	AUG 18, 1973	17.8
APR 21, 1955	19.	MAR 15	17.	JUL 12	19.5	OCT 10, 1974	17.
AUG 01	19.3	JUL 20	18.5	AUG 09	21.6	JUL 14, 1975	14.3
22	15.7	OCT 08	19.5	15	22.	JAN 28, 1977	19.
FEB 20, 1956	18.	NOV 07	20.	SEP 15	DRY	OCT 21	21.2
APR 20	15.7	DEC 01	18.3	JAN 15, 1967	DRY	MAY 04, 1979	16.8
JUL 29	18.	31	17.5	FEB 04	21.4	AUG 10, 1980	19.2
NOV 14	18.	MAY 01, 1963	17.5	JUL 23	18.5	OCT 15	21.5
DEC 24	17.	JUN 07	18.5	AUG 11	16.6	NOV 04	22.
APR 07, 1957	15.	JUL 14	19.5	SEP 05	14.6	APR 07, 1981	23.
JUL 26	19.3	AUG 01	20.3	OCT 14	16.	MAY 27	DRY
AUG 02	20.3	20	21.	DEC 25	15.6	AUG 09	DRY
10	21.5	SEP 01	21.7	JUN 20, 1968	16.5	SEP 21	DRY
OCT 05	20.7	26	22.	SEP 01	19.3	NOV 21	DRY
JAN 15, 1958	15.	OCT 01	DRY	OCT 10	20.5	JAN 06, 1982	21.2
APR 25	15.7	10	DRY	26	21.3	MAR 09	17.4
AUG 05	18.	DEC 25	DRY	FEB 28, 1969	20.	JUN 01	17.
JUN 05, 1959	18.	JAN 28, 1964	19.5	JUN 03	19.3	JUL 15	16.
JUL 04	19.	FEB 08	18.5	JUL 28	21.	DEC 30	20.5
24	19.	17	18.	SEP 15	20.	MAR 01, 1983	17.7
SEP 30	18.	MAY 10	14.8	NOV 06	21.	MAY 01	12.7
NOV 16	19.	JUL 07	18.	DEC 03	21.3	JUN 22	15.5
JUN 01, 1960	17.	OCT 14	21.6	JAN 08, 1970	19.3	OCT 12	15.5
NOV 03	17.	NOV 18	23.	MAR 25	16.7	AUG 14, 1984	17.52
FEB 03, 1961	17.3	JAN 26, 1965	22.	OCT 16	20.		
AUG 09	18.7	APR 06	17.	NOV 06	20.7		

CE BB 1. Domestic well drilled in sand and gravel. Highest water level 18.58 ft below lsd, June 5,1980; lowest 27.34 ft below lsd, October 28,1980. Records available: 1980-82. Water levels probably affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	18.58	APR 20, 1981	24.07	APR 21, 1982	18.90	OCT 07, 1982	25.13
OCT 28	27.34	OCT 19	26.33				

CE BB 27. Domestic well drilled in bedrock. Highest water level 47.64 ft below lsd, August 27,1980; lowest 54.11 ft below lsd, April 20,1981. Records available: 1980-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 27, 1980	47.64	APR 20, 1981	54.11	OCT 18, 1981	54.10	APR 22, 1982	53.20
OCT 28	49.20						

Table 11. Water levels in selected wells—Continued

CE BC 16. School well drilled in bedrock. Highest water level 12.19 ft below lsd, April 19,1982; lowest 19.34 ft below lsd, October 19,1981. Records available: 1980-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 05, 1980	12.58	APR 20, 1981	17.11	APR 19, 1982	12.19	OCT 07, 1982	18.01
OCT 28	18.27	OCT 19	19.34				

CE BD 65. Unused domestic well drilled in bedrock. Highest daily low water level 6.30 ft below lsd, May 17,1972; lowest 14.76 ft below lsd, February 9,1966. Records available: 1960-83. Records from November 21,1961 to April 10,1983 are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide and barometric pressure. Periodic measurements of total well depth indicate well is filling up with sediment. Records of total well depth below lsd are: 182 ft (reported by driller), October 29,1958; 113 ft, September 6,1960; 107 ft, August 3,1961; 101 ft, October 17,1962; 89 ft, December 29,1982.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 06, 1960	9.64	JUN 01, 1963	11.48	SEP 01, 1965	12.29	DEC 01, 1967	11.19
OCT 05	10.01	14	11.37	15	12.55	16	10.85
NOV 02	10.34	JUL 05	11.64	OCT 01	12.95	JAN 01, 1968	10.48
DEC 06	10.52	18	11.84	16	13.28	05	10.56
JAN 05, 1961	10.39	AUG 01	12.17	NOV 01	13.58	FEB 26	9.90
FEB 03	9.88	16	12.55	15	13.74	27	9.89
MAR 02	8.39	SEP 01	12.88	DEC 01	13.98	MAR 01	9.72
APR 05	7.24	12	13.12	02	13.99	16	9.85
MAY 04	7.22	OCT 02	13.55	JAN 04, 1966	14.42	APR 01	9.10
JUN 06	7.94	16	13.76	19	14.57	15	9.07
29	8.44	NOV 01	13.99	FEB 01	14.66	MAY 01	8.97
JUL 07	8.66	15	14.05	14	14.51	16	9.17
AUG 03	9.21	DEC 01	14.19	MAR 01	14.10	JUN 01	8.77
SEP 06	10.01	15	14.12	16	14.03	15	8.73
OCT 06	10.84	JAN 01, 1964	14.26	APR 01	14.00	JUL 01	8.93
31	11.43	16	13.77	15	13.91	16	9.24
NOV 21	11.89	FEB 01	13.33	MAY 01	13.23	AUG 01	9.66
25	11.98	15	13.06	16	12.87	16	10.09
DEC 01	12.06	MAR 01	12.49	JUN 01	12.15	SEP 01	10.59
16	12.36	16	11.96	15	12.05	15	11.00
JAN 01, 1962	12.38	APR 01	11.48	JUL 18	12.05	OCT 01	11.44
17	12.16	15	10.86	24	12.18	16	11.78
FEB 01	12.19	MAY 01	9.94	AUG 01	12.27	NOV 01	12.14
14	12.25	16	9.60	16	12.41	06	12.22
MAR 01	11.67	JUN 01	9.71	SEP 01	12.79	DEC 31	12.31
16	11.14	15	9.84	15	12.98	JAN 01, 1969	12.30
APR 01	10.79	JUL 01	10.15	OCT 01	13.18	04	12.31
15	10.05	16	10.41	16	13.30	FEB 26	11.65
MAY 01	9.87	AUG 01	10.71	NOV 01	13.28	APR 03	11.31
16	9.92	16	11.00	08	13.40	MAY 08	10.73
JUN 01	9.96	SEP 01	11.32	DEC 14	13.37	JUN 06	10.32
15	10.09	02	11.39	22	13.16	JUL 18	10.83
JUL 01	10.25	OCT 08	12.25	JAN 01, 1967	12.80	SEP 11	10.92
16	10.60	19	12.53	16	12.09	OCT 29	11.79
AUG 01	11.01	NOV 01	12.81	FEB 01	11.72	NOV 20	12.11
16	11.35	15	13.11	08	11.48	25	12.24
SEP 01	11.77	DEC 01	13.29	MAR 10	10.35	DEC 01	12.26
15	12.14	16	13.34	20	9.94	16	12.27
OCT 01	12.52	JAN 01, 1965	13.31	APR 01	9.34	JAN 01, 1970	11.70
16	12.77	16	13.10	15	8.88	16	11.58
NOV 01	13.05	FEB 01	12.78	MAY 01	8.85	FEB 01	11.39
15	13.14	14	12.49	16	8.37	14	10.91
DEC 01	13.19	MAR 01	12.28	JUN 01	8.47	MAR 01	10.62
16	13.26	16	12.00	15	8.81	16	10.38
JAN 01, 1963	13.41	APR 01	11.53	JUL 01	9.06	APR 01	9.61
16	13.25	15	11.31	16	9.45	15	9.03
FEB 01	13.06	MAY 01	11.09	AUG 01	9.71	MAY 01	8.24
14	12.96	16	11.05	16	9.48	17	8.49
MAR 01	12.86	JUN 01	11.00	SEP 01	9.15	JUN 01	8.80
16	12.31	15	11.13	10	9.36	15	9.13
APR 01	11.87	JUL 01	11.29	OCT 06	10.03	JUL 01	9.09
15	11.65	16	11.42	18	10.28	16	9.17
MAY 01	11.53	AUG 01	11.65	NOV 01	10.59	AUG 01	9.54
16	11.45	16	11.93	15	10.87	16	10.01

Table 11. Water levels in selected wells—Continued

CE BD 65 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 01, 1970	10.34	NOV 01, 1973	11.62	JAN 01, 1977	13.19	APR 01, 1980	10.20
15	10.68	15	11.89	16	13.31	15	9.92
OCT 01	11.04	DEC 01	12.19	FEB 01	13.51	MAY 01	9.95
16	11.46	16	12.18	FEB 14	13.55	16	10.00
NOV 01	11.83	JAN 01, 1974	12.15	MAR 01	13.40	JUN 01	10.01
15	11.98	16	11.93	16	12.98	15	10.13
DEC 01	12.21	FEB 01	11.98	APR 01	12.72	JUL 01	10.35
16	12.42	14	12.09	15	12.35	16	10.61
JAN 01, 1971	12.05	MAR 01	12.02	MAY 01	12.47	AUG 01	10.79
16	11.89	16	12.12	16	12.34	16	10.97
FEB 01	12.02	APR 01	11.98	JUN 01	12.40	SEP 01	11.20
14	11.89	15	11.61	15	12.35	15	11.42
MAR 01	11.15	MAY 01	11.82	JUL 01	12.54	OCT 01	11.70
16	10.61	16	11.83	03	12.59	16	12.03
APR 01	10.33	JUN 01	11.84	AUG 18	12.34	NOV 01	12.19
15	9.92	15	11.90	19	12.33	15	12.42
MAY 01	9.91	JUL 01	11.99	SEP 13	12.31	DEC 01	12.53
16	9.86	16	12.16	21	12.42	16	12.72
JUN 01	9.20	AUG 01	12.30	OCT 01	12.52	JAN 01, 1981	12.91
15	8.82	16	12.44	16	12.56	16	13.17
JUL 01	9.27	SEP 01	12.50	NOV 01	12.65	FEB 01	13.30
16	9.65	15	12.41	15	11.99	14	13.38
AUG 01	10.14	OCT 01	12.57	DEC 01	11.67	MAR 01	13.12
16	10.31	16	12.63	16	11.46	16	13.08
SEP 01	10.39	NOV 01	12.78	JAN 01, 1978	11.10	APR 01	13.32
15	10.25	15	12.86	16	11.08	17	12.62
OCT 01	10.57	DEC 01	13.00	FEB 01	10.97	MAY 01	12.60
04	10.57	16	12.85	14	11.08	18	12.22
NOV 11	9.55	JAN 01, 1975	12.90	MAR 01	11.25	JUN 01	12.26
20	9.50	16	12.66	16	10.80	JUN 15	12.26
DEC 01	9.35	FEB 01	12.44	APR 01	10.25	JUL 01	12.17
16	8.63	14	12.30	15	10.50	16	12.11
JAN 01, 1972	8.85	MAR 01	12.04	MAY 01	10.53	AUG 01	12.23
16	8.14	16	12.23	16	10.02	16	12.10
FEB 01	7.94	APR 01	11.95	JUN 01	9.92	SEP 01	12.26
15	7.53	15	12.01	15	10.16	15	12.40
MAR 01	6.84	MAY 01	11.98	JUL 01	10.30	OCT 01	12.20
16	6.98	16	11.68	16	10.27	16	12.38
APR 01	7.00	JUN 01	11.52	AUG 01	10.53	NOV 01	12.48
15	6.96	15	11.20	16	10.52	15	12.50
MAY 01	6.50	JUL 01	11.23	SEP 01	10.61	DEC 01	12.69
16	6.35	16	11.00	15	10.85	16	12.46
JUN 01	7.15	AUG 01	10.93	OCT 01	11.11	JAN 01, 1982	12.35
11	7.69	11	11.03	16	11.40	16	12.19
JUL 01	7.74	SEP 08	11.42	NOV 01	11.64	FEB 01	12.23
16	7.93	19	11.56	15	11.91	14	11.76
AUG 01	8.51	OCT 01	11.40	DEC 01	12.03	MAR 01	11.51
14	9.00	16	11.73	16	11.88	16	11.25
SEP 08	9.89	NOV 01	11.86	JAN 01, 1979	11.97	APR 01	11.11
19	10.27	15	11.85	16	11.70	15	10.90
OCT 01	10.63	DEC 01	12.00	FEB 01	11.41	MAY 01	10.45
16	11.10	16	12.21	14	11.63	16	10.56
NOV 01	11.43	JAN 01, 1976	12.21	MAR 01	11.22	JUN 01	10.22
15	11.60	16	12.11	16	10.91	15	9.97
DEC 01	11.63	FEB 01	12.10	APR 01	10.91	JUL 01	10.06
16	11.30	15	12.17	15	10.48	16	10.02
JAN 01, 1973	11.40	MAR 01	11.93	JUN 04	10.17	AUG 01	10.07
16	11.66	16	11.88	17	10.22	16	10.47
FEB 01	11.72	APR 01	11.84	JUL 01	10.41	SEP 01	10.67
14	11.59	15	11.78	16	10.60	15	10.87
MAR 01	11.72	MAY 01	11.88	AUG 01	10.79	OCT 01	11.11
16	11.45	16	11.92	16	11.03	20	11.40
APR 01	11.31	JUN 01	11.96	SEP 01	11.15	NOV 01	11.47
15	10.96	15	12.10	05	11.20	15	11.54
MAY 01	10.83	JUL 01	12.20	OCT 11	10.91	DEC 01	11.67
16	10.67	05	12.25	21	10.90	14	11.66
JUN 01	10.44	AUG 17	12.45	NOV 01	11.10	JAN 11, 1983	11.50
15	10.33	24	12.55	15	10.80	21	11.60
JUL 01	10.28	SEP 01	12.61	DEC 01	10.85	FEB 01	11.42
16	10.20	15	12.75	16	11.00	13	11.10
AUG 01	10.41	OCT 01	12.80	JAN 01, 1980	10.81	MAR 01	10.66
16	10.60	16	12.77	16	10.80	17	10.25
SEP 01	10.86	NOV 01	12.65	FEB 01	10.67	APR 01	9.83
15	10.93	15	12.82	15	10.92	05	9.79
OCT 01	11.31	DEC 01	12.88	MAR 01	11.10	OCT 26	11.26
16	11.43	16	12.99	16	10.90		

Table 11. Water levels in selected wells—Continued

CE BE 73. Unused observation well screened in sand. Highest water level 82.06 ft below lsd, July 31,1984; lowest 84.30 ft below lsd, December 3,1982. Records available: 1982-84.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30, 1982	84.20	MAY 23, 1983	83.27	JAN 05, 1984	82.58	JUL 02, 1984	82.32
DEC 01	84.18	JUL 01	82.88	FEB 03	82.76	31	82.06
02	84.23	AUG 01	82.63	MAR 08	82.93	SEP 05	82.08
03	84.30	SEP 06	82.45	12	83.14	OCT 05	82.14
06	84.04	OCT 05	82.39	APR 06	82.68	NOV 06	82.12
APR 27, 1983	83.89	NOV 04	82.38	MAY 02	82.55		
29	83.87	DEC 05	82.59	JUN 01	82.24		

CE BE 74. Unused observation well screened in sand and gravel. Highest water level 82.12 ft below lsd, July 31,1984; lowest 84.55 ft below lsd, December 2,1982. Records available: 1982-84.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 30, 1982	84.35	MAY 23, 1983	83.32	JAN 05, 1984	82.16	JUL 31, 1984	82.12
DEC 01	84.25	JUL 01	82.83	FEB 03	82.81	SEP 05	82.13
02	84.55	AUG 01	82.69	MAR 08	82.98	OCT 05	82.19
03	84.40	SEP 06	82.44	APR 06	82.69	NOV 06	82.16
06	84.10	OCT 06	82.45	MAY 02	82.60		
APR 27, 1983	83.95	NOV 04	82.45	JUN 01	82.30		
29	83.90	DEC 05	82.23	JUL 02	82.38		

CE BF 1. Unused observation well drilled in weathered bedrock. Highest water level 5.05 ft below lsd, June 2,1953; lowest 9.56 ft below lsd, September 29,1954. Records available: 1949-57.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 30, 1949	8.36	AUG 31, 1951	8.40	JUN 29, 1953	7.51	APR 28, 1955	6.85
OCT 26	8.61	OCT 01	8.99	JUL 30	7.89	JUN 02	8.41
NOV 29	8.11	29	8.82	AUG 31	8.64	JUL 11	8.36
DEC 29	5.37	NOV 01	6.77	SEP 30	8.72	SEP 07	7.60
FEB 01, 1950	6.60	DEC 29	6.09	NOV 03	8.09	30	8.29
28	6.82	JAN 28, 1952	5.15	30	6.63	OCT 28	8.07
MAR 30	7.62	FEB 28	6.63	DEC 29	6.88	DEC 09	7.97
APR 28	8.96	MAR 31	5.95	JAN 31, 1954	6.69	JAN 13, 1956	8.21
MAY 26	7.99	MAY 01	5.10	MAR 01	6.45	FEB 02	6.96
JUL 03	8.13	30	6.02	APR 01	6.42	MAR 02	6.57
AUG 02	8.45	JUN 30	7.70	MAY 03	6.64	APR 06	6.48
28	9.48	JUL 28	8.71	27	7.58	MAY 04	7.09
OCT 26	7.24	SEP 03	7.70	JUN 28	8.64	JUN 08	8.07
DEC 01	6.57	OCT 01	8.12	JUL 30	9.41	JUL 06	7.99
JAN 02, 1951	7.43	30	8.54	SEP 01	9.54	AUG 03	7.38
30	6.11	NOV 26	6.90	29	9.56	SEP 07	8.17
FEB 28	6.18	DEC 29	6.10	NOV 02	9.32	OCT 05	8.21
APR 02	5.69	FEB 02, 1953	6.22	DEC 03	8.19	NOV 02	7.39
MAY 01	7.26	27	5.98	30	7.12	DEC 07	7.60
31	7.32	MAR 31	5.87	JAN 28, 1955	8.10	FEB 04, 1957	5.78
JUL 02	7.61	APR 28	6.13	MAR 03	6.61		
31	7.42	JUN 02	5.05	APR 07	7.08		

Table 11. Water levels in selected wells—Continued

CE BF 81. Unused observation well screened in sand. Highest daily low water level 31.26 ft below lsd, July 9,1983; lowest 40.98 ft below lsd, November 6,1984. Records available:1983-84. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by pumping of other wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 03, 1983	38.23	SEP 06, 1983	34.28	NOV 12, 1983	37.49	JAN 18, 1984	38.84
APR 27	34.68	07	34.40	13	37.50	19	38.89
28	34.53	08	34.45	14	37.51	20	38.92
MAY 23	32.98	09	34.49	15	37.51	21	38.93
JUN 29	31.42	10	34.54	16	37.51	22	38.95
JUL 01	31.32	11	34.60	17	37.57	23	38.96
02	31.35	12	34.68	18	37.58	24	38.96
03	31.35	13	34.74	19	37.54	25	39.02
04	31.32	14	34.80	20	37.53	26	39.04
05	31.29	15	34.86	21	37.61	27	39.06
06	31.36	16	34.86	22	37.63	28	39.10
07	31.37	17	34.95	23	37.66	29	39.12
08	31.33	18	35.00	24	37.64	30	39.14
09	31.26	19	35.06	25	37.72	31	39.20
10	31.30	20	35.09	26	37.73	FEB 01	39.22
11	31.33	21	35.16	27	37.70	02	39.23
12	31.35	22	35.27	28	37.66	03	39.23
13	31.43	23	35.31	29	37.69	04	39.26
14	31.43	24	35.33	30	37.71	05	39.33
15	31.45	25	35.35	DEC 01	37.76	06	39.36
16	31.49	26	35.39	02	37.78	07	39.41
17	31.55	27	35.45	03	37.82	08	39.42
18	31.63	28	35.52	04	37.87	09	39.42
19	31.72	29	35.55	05	37.94	10	39.42
20	31.72	30	35.64	06	37.94	11	39.42
21	31.75	OCT 01	35.65	07	38.04	12	39.45
22	31.85	02	35.72	08	38.06	13	39.47
23	31.90	03	35.76	09	38.07	14	39.48
24	31.98	04	35.82	10	38.10	15	39.54
25	32.04	05	35.91	11	38.10	16	39.56
26	32.09	06	36.01	12	38.06	17	39.55
27	32.14	07	36.06	13	38.09	18	39.51
28	32.19	08	36.10	14	38.14	19	39.50
29	32.24	09	36.18	15	38.05	20	39.48
30	32.30	10	36.24	16	37.92	21	39.49
AUG 01	32.45	11	36.25	17	37.81	22	39.50
02	32.53	12	36.30	18	37.75	23	39.47
03	32.57	13	36.35	19	37.80	24	39.49
04	32.66	14	36.43	20	37.88	25	39.61
05	32.72	15	36.44	21	37.91	26	39.62
06	32.77	16	36.44	22	37.98	27	39.63
07	32.84	17	36.44	23	38.04	28	39.53
08	32.89	18	36.48	24	38.11	29	39.59
09	33.00	19	36.54	25	38.14	MAR 01	39.59
10	33.04	20	36.58	26	38.15	02	39.57
11	33.04	21	36.64	27	38.16	03	39.56
12	33.17	22	36.64	28	38.16	04	39.56
13	33.21	23	36.65	29	38.26	05	39.51
14	33.21	24	36.75	30	38.30	08	39.53
15	33.25	25	36.76	31	38.30	09	39.59
16	33.29	26	36.65	JAN 01, 1984	38.33	10	39.59
17	33.30	27	36.60	02	38.33	11	39.61
18	33.35	28	36.61	03	38.37	12	39.64
19	33.39	29	36.72	04	38.38	13	39.60
20	33.44	30	36.73	05	38.41	14	39.63
21	33.50	31	36.76	06	38.44	15	39.64
22	33.55	NOV 01	36.83	07	38.51	16	39.58
23	33.64	02	36.86	08	38.56	17	39.52
24	33.67	03	36.90	09	38.59	18	39.45
25	33.70	04	37.00	10	38.59	19	39.38
26	33.70	05	37.06	11	38.68	20	39.37
27	33.75	06	37.14	12	38.70	21	39.37
28	33.80	07	37.22	13	38.70	22	39.42
29	33.88	08	37.28	14	38.74	23	39.49
30	33.90	09	37.30	15	38.76	24	39.49
31	33.95	10	37.32	16	38.80	25	39.47
SEP 01	34.03	11	37.41	17	38.84	26	39.52

Table 11. Water levels in selected wells—Continued

CE BF 81 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27, 1984	39.53	MAY 10, 1984	37.81	JUL 17, 1984	38.06	SEP 14, 1984	39.57
28	39.52	11	37.78	18	38.13	15	39.64
29	39.57	12	37.67	19	38.16	16	39.67
30	39.57	13	37.64	AUG 01	38.10	17	39.68
31	39.52	14	37.58	02	38.14	18	39.68
APR 01	39.37	15	37.56	03	38.18	19	39.70
02	39.25	16	37.53	04	38.22	20	39.73
03	39.17	17	37.53	05	38.25	21	39.79
04	39.12	18	37.51	06	38.27	22	39.81
05	39.06	19	37.50	07	38.31	23	39.82
06	39.11	20	37.58	08	38.39	24	39.86
07	39.11	21	37.58	09	38.42	25	39.88
08	39.05	22	37.57	10	38.44	26	39.94
09	38.97	23	37.59	11	38.45	27	39.94
10	38.86	24	37.62	12	38.47	28	39.95
11	38.80	25	37.65	13	38.48	29	39.97
12	38.78	26	37.66	14	38.51	30	40.00
13	38.76	27	37.66	15	38.54	OCT 01	40.03
14	38.76	28	37.63	16	38.57	02	40.05
15	38.74	29	37.61	17	38.59	03	40.06
16	38.72	30	37.67	18	38.64	04	40.08
17	38.71	31	37.67	19	38.69	05	40.05
18	38.70	JUN 01	37.64	20	38.77	10	40.06
19	38.66	11	37.64	21	38.79	11	40.09
20	38.60	12	37.66	22	38.80	12	40.12
21	38.53	13	37.71	23	38.84	13	40.15
22	38.50	14	37.72	24	38.89	14	40.21
23	38.39	15	37.79	25	38.93	15	40.26
24	38.31	16	37.79	26	38.97	16	40.30
25	38.31	18	37.79	27	39.01	17	40.33
26	38.30	19	37.84	28	39.04	18	40.38
27	38.24	20	37.84	29	39.06	19	40.43
28	38.21	21	37.82	30	39.07	20	40.46
29	38.16	22	37.78	31	39.13	21	40.50
30	38.10	23	37.74	SEP 01	39.16	22	40.54
MAY 01	38.07	24	37.73	05	39.32	23	40.59
02	38.07	30	37.77	06	39.37	24	40.62
03	38.01	JUL 01	37.84	07	39.40	25	40.64
04	38.02	02	37.86	08	39.41	29	40.69
05	38.03	03	37.88	09	39.43	30	40.71
06	38.03	05	37.93	10	39.47	31	40.72
07	37.94	06	37.99	11	39.50	NOV 03	40.79
08	37.85	07	38.05	12	39.54	05	40.87
09	37.82	08	38.05	13	39.54	06	40.98

Table 11. Water levels in selected wells—Continued

CE BF 82. Unused observation well screened in sand. Highest daily low water level 53.13 ft below lsd, July 1,1983; lowest 56.37 ft below lsd, February 3,1983. Records available: 1983-84. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide, barometric pressure and the pumping of other wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03, 1983	56.37	NOV 08, 1983	55.05	FEB 03, 1984	55.24	APR 14, 1984	54.60
APR 27	54.82	09	55.05	04	55.09	15	54.57
28	54.63	12	55.16	05	55.12	16	54.47
MAY 23	53.70	13	55.19	06	55.21	17	54.46
JUN 29	53.28	14	55.19	07	55.40	18	54.52
JUL 01	53.13	15	55.17	08	55.44	19	54.55
03	53.16	16	54.98	09	55.35	20	54.54
04	53.17	17	55.14	10	55.38	21	54.59
07	53.30	18	55.21	11	55.31	22	54.63
11	53.18	19	55.19	12	55.33	23	54.51
14	53.21	20	55.19	13	55.34	24	54.26
19	53.27	21	55.13	14	55.29	25	54.47
22	53.29	22	55.15	15	55.12	26	54.52
23	53.35	23	55.20	16	55.20	27	54.47
24	53.32	24	55.20	17	55.20	28	54.44
25	53.33	25	55.20	18	55.14	29	54.40
26	53.33	26	55.23	19	55.14	30	54.32
27	53.40	27	55.28	20	55.07	MAY 01	54.30
28	53.43	28	55.28	21	55.12	02	54.35
29	53.41	29	55.21	22	55.21	03	54.27
30	53.39	30	55.24	23	55.16	04	54.17
AUG 01	53.46	DEC 01	55.36	24	55.07	05	54.33
02	53.56	02	55.40	25	55.13	06	54.35
03	53.58	03	55.35	26	55.34	07	54.34
08	53.59	04	55.31	27	55.35	08	54.27
09	53.64	05	55.30	28	55.16	09	54.20
10	53.70	07	55.32	29	55.11	10	54.28
13	53.77	08	55.47	MAR 01	55.22	11	54.30
14	53.78	09	55.48	02	55.27	12	54.14
19	53.78	10	55.49	03	55.34	13	54.23
20	53.78	11	55.49	04	55.38	14	54.20
21	53.83	19	55.48	05	55.31	15	54.23
22	53.84	20	55.55	08	55.26	16	54.28
23	53.87	21	55.55	09	55.32	17	54.33
24	53.92	22	55.47	10	55.32	18	54.29
SEP 06	54.04	24	55.44	11	55.23	19	54.14
07	54.13	25	55.44	12	55.37	20	54.14
08	54.19	26	55.48	13	55.32	21	54.21
09	54.20	30	55.51	14	55.25	22	54.23
12	54.20	31	55.50	15	55.25	23	54.13
13	54.24	JAN 05, 1984	55.11	16	55.11	24	54.20
14	54.28	06	55.08	17	55.16	25	54.22
15	54.32	07	55.23	18	55.16	26	54.13
22	54.37	08	55.27	19	55.08	27	54.27
23	54.42	09	55.30	20	54.99	28	54.28
24	54.45	10	55.22	21	54.96	29	54.14
25	54.46	11	55.39	22	54.90	30	54.09
28	54.48	12	55.43	23	55.10	31	54.13
29	54.48	13	55.37	24	55.13	JUN 01	54.14
30	54.51	14	55.21	25	55.07	02	54.16
OCT 05	54.49	15	55.23	26	55.09	03	54.17
06	54.61	16	55.18	27	55.09	04	54.16
07	54.66	17	55.23	28	54.96	05	54.17
09	54.67	18	55.19	29	54.98	06	54.14
10	54.71	19	55.23	30	55.12	07	54.14
11	54.71	20	55.29	31	55.11	08	54.16
15	54.71	21	55.34	APR 01	55.05	09	54.14
16	54.77	22	55.37	02	55.00	10	54.18
17	54.77	23	55.30	03	55.01	11	54.20
19	54.81	24	55.17	04	54.96	12	54.27
21	54.84	25	55.21	05	54.68	13	54.23
27	54.83	26	55.23	06	54.68	14	54.16
28	54.84	27	55.20	07	54.83	15	54.31
29	55.02	28	55.23	08	54.92	16	54.35
30	55.07	29	55.17	09	54.93	17	54.27
NOV 04	54.93	30	55.19	10	54.81	18	54.13
05	54.94	31	55.30	11	54.69	19	54.13
06	55.00	FEB 01	55.37	12	54.69	20	54.24
07	55.02	02	55.37	13	54.64	21	54.25

Table 11. Water levels in selected wells—Continued

CE BF 82 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 22, 1984	54.27	JUL 26, 1984	54.52	AUG 29, 1984	54.58	OCT 05, 1984	55.19
23	54.23	27	54.40	30	54.58	06	55.24
24	54.20	28	54.51	31	54.67	07	55.19
25	54.08	29	54.52	SEP 01	54.72	08	55.11
26	54.20	30	54.49	05	54.80	09	55.16
27	54.22	31	54.50	06	54.83	10	55.21
28	54.21	AUG 01	54.45	07	54.86	11	55.21
29	54.26	02	54.46	08	54.86	12	55.18
30	54.25	03	54.46	09	54.85	13	55.18
JUL 01	54.27	04	54.46	10	54.85	14	55.19
02	54.37	05	54.46	11	54.84	15	55.19
03	54.34	06	54.47	12	54.86	16	55.18
04	54.34	07	54.46	13	54.86	17	55.18
05	54.29	08	54.46	14	54.85	18	55.16
06	54.26	09	54.50	15	54.86	19	55.16
07	54.34	10	54.50	16	54.98	20	55.20
08	54.45	11	54.47	17	54.98	21	55.22
09	54.47	12	54.49	18	54.96	22	55.24
10	54.42	13	54.46	19	54.88	23	55.27
11	54.33	14	54.46	20	54.84	24	55.34
12	54.39	15	54.47	21	54.98	25	55.35
13	54.44	16	54.49	22	55.04	26	55.29
14	54.46	17	54.50	23	54.96	27	55.30
15	54.44	18	54.52	24	54.89	28	55.30
16	54.35	19	54.50	25	54.93	29	55.34
17	54.37	20	54.59	26	55.07	30	55.37
18	54.37	21	54.65	27	55.11	31	55.37
19	54.48	22	54.63	28	55.09	NOV 01	55.38
20	54.49	23	54.58	29	55.03	02	55.40
21	54.44	24	54.68	30	55.04	03	55.48
22	54.45	25	54.71	OCT 01	54.99	04	55.44
23	54.46	26	54.71	02	55.00	05	55.25
24	54.41	27	54.64	03	55.01	06	55.40
25	54.50	28	54.61	04	55.08		

Table 11. Water levels in selected wells—Continued

CE CC 38. Unused domestic well drilled in bedrock. Highest water level 14.15 ft below lsd, April 2,1958; lowest 26.55 ft below lsd, August 4,1959. Records available: 1956-72.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 05, 1956	23.96	MAR 02, 1960	22.12	JAN 03, 1964	24.50	DEC 05, 1967	24.87
APR 04	22.14	APR 07	19.64	FEB 17	23.66	JAN 03, 1968	24.70
MAY 02	22.69	MAY 03	22.33	MAR 02	23.36	FEB 26	23.65
12	23.03	JUN 03	23.72	APR 14	22.20	MAR 26	20.58
JUN 05	23.67	JUL 06	24.54	MAY 05	18.56	APR 23	23.54
JUL 10	24.52	AUG 02	24.30	JUN 12	23.60	30	23.83
AUG 12	24.27	SEP 06	24.76	30	24.55	JUN 05	23.78
SEP 11	24.62	OCT 05	23.29	AUG 06	24.62	JUL 15	24.72
OCT 02	24.56	NOV 02	24.04	SEP 03	24.99	AUG 07	25.21
16	24.71	DEC 06	24.40	OCT 08	24.82	15	25.22
NOV 06	23.84	JAN 05, 1961	24.30	NOV 12	24.92	OCT 01	25.27
DEC 04	24.30	FEB 03	23.40	DEC 01	25.17	NOV 20	24.64
JAN 03, 1957	23.54	MAR 02	19.17	JAN 07, 1965	24.60	DEC 31	24.94
FEB 12	23.02	APR 05	20.39	FEB 03	24.05	JAN 03, 1969	24.93
MAR 11	22.07	MAY 04	21.22	MAR 16	23.86	23	25.07
APR 02	22.18	JUN 06	23.58	APR 23	23.59	FEB 26	24.74
MAY 01	21.99	JUL 07	24.52	MAY 19	24.16	APR 03	24.67
JUN 04	23.87	AUG 03	24.67	JUN 08	24.63	MAY 08	24.77
JUL 09	24.50	SEP 06	24.62	JUL 07	25.21	JUN 05	24.58
31	24.76	OCT 06	24.82	29	25.25	JUL 18	25.16
SEP 12	24.48	18	24.79	SEP 07	25.32	SEP 11	23.68
OCT 03	24.54	31	24.87	28	25.36	OCT 29	25.16
NOV 08	24.43	DEC 06	24.81	NOV 05	25.36	DEC 12	24.80
DEC 03	24.40	JAN 05, 1962	24.42	DEC 02	25.38	JAN 28, 1970	23.60
JAN 03, 1958	21.86	FEB 08	24.26	JAN 04, 1966	25.42	MAR 12	23.60
FEB 06	19.53	MAR 13	22.50	FEB 15	24.33	MAY 06	21.16
MAR 04	19.80	22	21.31	MAR 14	24.82	JUN 01	23.94
APR 02	14.15	APR 04	21.06	APR 09	25.39	JUL 14	24.32
MAY 07	19.27	MAY 02	21.07	26	25.05	SEP 17	25.22
JUN 03	22.43	JUN 05	23.84	JUN 06	23.23	OCT 07	25.39
30	23.90	JUL 06	24.02	JUL 18	24.83	NOV 18	24.54
AUG 05	23.13	AUG 02	24.57	AUG 04	25.23	DEC 29	24.62
SEP 03	22.47	SEP 05	24.84	29	25.27	JAN 28, 1971	24.45
OCT 03	20.33	OCT 10	24.70	OCT 11	24.68	MAR 05	21.59
NOV 03	24.32	31	24.84	21	24.30	30	22.56
DEC 09	24.27	DEC 04	24.25	NOV 15	24.93	MAY 06	23.48
JAN 05, 1959	24.09	JAN 04, 1963	24.32	DEC 14	25.15	JUN 16	22.99
FEB 03	24.00	17	24.32	JAN 03, 1967	24.59	JUL 28	24.96
MAR 03	23.20	FEB 08	24.03	FEB 02	24.32	AUG 05	23.89
31	23.05	MAR 07	23.37	28	23.67	NOV 03	23.13
MAY 11	23.40	APR 02	22.38	MAR 30	22.15	DEC 13	22.61
JUN 02	24.28	MAY 03	23.39	APR 11	23.04	JAN 13, 1972	23.73
JUL 01	24.66	JUN 07	24.10	MAY 15	23.57	FEB 22	22.33
AUG 04	26.55	JUL 05	24.63	JUN 17	24.17	MAR 15	21.47
SEP 01	24.66	AUG 01	24.90	JUL 24	24.98	APR 05	22.40
OCT 05	24.80	SEP 05	25.92	AUG 04	25.03	MAY 09	21.80
NOV 06	24.71	OCT 02	24.49	SEP 02	22.56	JUN 07	23.31
DEC 04	24.68	25	24.96	OCT 06	24.55	JUL 06	19.43
JAN 05, 1960	24.04	NOV 07	24.65	NOV 07	25.06	SEP 08	25.35
FEB 02	23.60	DEC 16	24.48	24	25.25		

CE CD 51. Unused observation well screened in sand. Highest water level 50.80 ft below lsd, April 6,1984; lowest 53.17 ft below lsd, December 8,1982. Records available: 1982-84.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29, 1982	51.76	JUL 05, 1983	51.20	FEB 03, 1984	51.44	JUL 31, 1984	51.16
DEC 06	51.67	AUG 01	51.37	MAR 08	51.35	SEP 05	51.25
08	53.17	SEP 06	51.50	12	51.79	OCT 05	51.40
09	52.08	OCT 05	51.36	APR 06	50.80	NOV 06	51.09
13	52.13	NOV 04	51.50	MAY 02	51.07		
APR 27, 1983	51.22	DEC 05	51.28	JUN 01	50.99		
MAY 23	51.14	JAN 05, 1984	51.17	JUL 02	50.91		

Table 11. Water levels in selected wells—Continued

CE CD 52. Unused observation well screened in clay. Highest water level 27.75 ft below lsd, July 5,1983; lowest 34.22 ft below lsd, December 9,1982 after CE CD 52 had been recently pumped. Records available: 1982-84.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 29, 1982	28.89	MAY 23, 1983	28.52	DEC 05, 1983	29.17	JUN 01, 1984	28.00
DEC 06	28.97	JUL 05	27.75	JAN 05, 1984	28.93	JUL 02	28.11
08	29.86	AUG 01	28.15	FEB 03	29.02	31	28.17
09	34.22	SEP 06	28.59	MAR 08	28.86	SEP 05	28.38
13	29.07	OCT 05	28.88	APR 06	28.23	OCT 05	28.66
APR 27, 1983	27.94	NOV 04	29.12	MAY 02	28.26	NOV 06	28.72

CE CD 53. Unused observation well screened in sand and gravel. Highest daily low water level 126.65 ft below lsd, April 6,1984; lowest 128.03 ft below lsd, January 12,1984. Records available: 1983-84. Records are for the lowest daily water level taken from a continuous recorder chart.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 04, 1983	127.84	APR 06, 1984	126.65	JUL 14, 1984	127.19	SEP 06, 1984	127.39
APR 27	127.18	08	126.89	15	127.19	07	127.39
MAY 25	127.16	09	126.97	16	127.15	08	127.39
JUL 05	127.11	22	127.27	17	127.10	09	127.36
22	127.44	MAY 02	127.03	18	127.10	10	127.26
AUG 01	127.42	06	127.05	19	127.13	11	127.15
03	127.51	07	127.13	20	127.23	12	127.24
05	127.42	15	127.18	21	127.21	13	127.30
08	127.45	16	127.40	22	127.11	14	127.28
10	127.51	17	127.55	23	127.18	15	127.16
11	127.51	JUN 01	127.18	24	127.16	16	127.54
13	127.52	02	127.18	25	127.36	17	127.54
14	127.53	03	127.21	26	127.45	18	127.45
SEP 08	127.41	04	127.13	27	127.40	19	127.40
09	127.45	05	127.15	28	127.29	20	127.22
14	127.47	06	127.15	29	127.33	21	127.24
15	127.49	07	127.15	31	127.33	22	127.39
24	127.50	08	127.18	AUG 01	127.30	23	127.39
25	127.58	09	127.18	02	127.30	24	127.22
OCT 05	127.16	10	127.22	03	127.31	25	127.30
06	127.17	11	127.25	04	127.31	26	127.30
07	127.35	12	127.32	05	127.32	27	127.67
08	127.40	13	127.34	06	127.38	28	127.68
11	127.43	14	127.30	07	127.38	29	127.56
16	127.45	15	127.49	08	127.28	30	127.54
17	127.46	16	127.52	09	127.31	OCT 01	127.47
30	127.83	17	127.45	10	127.31	02	127.20
31	127.83	18	127.24	11	127.19	03	127.23
NOV 04	127.30	19	127.17	12	127.19	04	127.19
05	127.31	20	127.15	13	127.19	05	127.45
09	127.37	21	127.21	14	127.19	06	127.49
13	127.56	22	127.25	15	127.16	07	127.49
14	127.56	23	127.21	16	127.25	08	127.38
DEC 02	127.57	24	127.13	17	127.29	09	127.38
05	127.18	25	126.87	18	127.29	10	127.46
08	127.43	26	127.06	19	127.29	11	127.46
09	127.53	27	127.08	20	127.26	12	127.42
20	127.92	28	127.03	21	127.37	13	127.47
JAN 05, 1984	127.24	29	127.03	22	127.37	14	127.48
09	127.35	30	127.09	23	127.27	15	127.42
10	127.40	JUL 01	127.14	24	127.41	16	127.04
11	127.85	02	127.17	25	127.49	17	126.93
12	128.03	05	127.12	26	127.49	18	126.94
FEB 03	127.64	06	126.94	27	127.44	19	126.96
07	127.77	07	126.95	28	127.33	20	126.96
08	127.99	08	127.34	29	127.16	21	127.01
09	127.99	09	127.37	30	127.11	22	127.01
27	127.64	10	127.34	31	127.17	23	127.16
MAR 08	127.55	11	127.11	SEP 01	127.42	24	127.34
09	127.60	12	127.05	02	127.47		
10	127.69	13	127.15	05	127.39		

Table 11. Water levels in selected wells—Continued

CE CE 8. Domestic dug well. Highest water level 16.10 ft below lsd, October 19,1979; lowest 17.27 ft below lsd, October 9,1980. Records available: 1979-80. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19, 1979	16.10	OCT 09, 1980	17.27

CE CE 32. Unused domestic dug well. Highest water level 11.63 ft below lsd, October 19, 1979; lowest 14.04 ft below lsd, June 8,1981. Records available: 1979-81.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19, 1979	11.63	JUN 08, 1981	14.04	SEP 28, 1981	13.97

CE CE 54. Unused observation well screened in sand. Highest daily low water level 132.54 ft below lsd, May 25,1983; lowest 138.54 ft below lsd, April 27,1983. Records available: 1983-84. Records are for the lowest daily water level taken from a continuous recorder chart.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 04, 1983	136.79	DEC 10, 1983	136.71	APR 30, 1984	136.40	SEP 24, 1984	136.32
APR 27	138.54	11	136.75	MAY 01	136.33	25	136.32
MAY 25	132.54	12	136.73	02	136.35	26	136.31
JUN 29	136.50	16	136.50	16	136.37	27	136.32
30	136.55	17	136.61	17	136.40	28	136.33
JUL 01	136.52	18	136.63	27	136.41	29	136.33
08	136.56	19	136.65	JUN 01	136.19	30	136.33
11	136.58	20	136.75	04	136.21	OCT 01	136.33
21	136.63	21	136.78	05	136.26	02	136.24
22	136.54	JAN 05, 1984	136.46	06	136.28	03	136.24
26	136.53	09	136.55	07	136.28	04	136.20
27	136.63	11	136.57	08	136.30	05	136.30
28	136.69	12	136.70	11	136.31	06	136.38
29	136.73	20	136.64	12	136.36	07	136.40
AUG 01	136.67	21	136.71	16	136.41	08	136.40
03	136.71	22	136.76	JUL 02	136.22	09	136.40
14	136.67	23	136.76	24	136.23	10	136.39
15	136.68	FEB 01	136.52	AUG 01	136.29	11	136.39
16	136.69	02	136.56	07	136.29	12	136.39
24	136.73	03	136.65	19	136.22	13	136.34
25	136.75	27	136.40	21	136.24	14	136.27
SEP 06	136.58	MAR 08	136.51	22	136.26	15	136.20
07	136.59	12	136.67	25	136.28	16	136.20
08	136.65	29	136.10	26	136.33	17	136.22
09	136.66	30	136.27	30	136.33	18	136.22
14	136.64	31	136.36	SEP 05	136.23	19	136.22
15	136.70	APR 01	136.41	06	136.33	20	136.22
16	136.72	02	136.46	07	136.41	21	136.22
23	136.68	03	136.53	08	136.44	22	136.22
24	136.75	06	136.10	09	136.44	23	136.22
25	136.77	07	136.15	10	136.43	24	136.21
28	136.73	08	136.29	11	136.36	25	136.24
29	136.75	09	136.33	12	136.30	26	136.24
OCT 05	136.72	18	136.12	13	136.30	27	136.24
07	136.73	19	136.21	14	136.30	28	136.24
08	136.77	20	136.27	15	136.21	29	136.22
09	136.83	21	136.36	16	136.29	30	136.20
10	136.93	22	136.38	17	136.35	31	136.26
11	136.93	23	136.37	18	136.36	NOV 01	136.30
NOV 04	136.53	25	136.19	19	136.36	02	136.30
09	136.51	26	136.27	20	136.32	03	136.26
DEC 05	136.52	27	136.35	21	136.24	04	136.27
08	136.57	28	136.41	22	136.31	05	136.24
09	136.62	29	136.42	23	136.32	06	136.10

Table 11. Water levels in selected wells—Continued

CE CE 55. Unused observation well screened in sand. Highest daily low water level 50.56 ft below lsd, April 17,1984; lowest 51.52 ft below lsd, September 24, 25,1983. Records available: 1983-84. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide and barometric pressure.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25, 1983	51.12	SEP 25, 1983	51.52	DEC 01, 1983	51.29	FEB 12, 1984	51.37
APR 27	50.69	26	51.48	02	51.35	13	51.36
MAY 25	50.69	27	51.41	03	51.28	14	51.32
JUL 01	50.59	28	51.44	04	51.27	15	51.09
21	50.88	29	51.46	05	51.11	16	51.09
22	51.02	30	51.44	06	51.11	17	51.09
23	51.04	OCT 01	51.43	07	51.01	18	51.01
24	50.94	02	51.34	08	51.22	19	50.99
25	50.98	03	51.33	09	51.34	20	50.89
26	50.99	04	51.30	10	51.33	21	50.96
27	51.04	05	51.27	11	51.36	22	51.05
28	51.06	06	51.35	12	51.30	23	51.03
29	51.05	07	51.43	13	50.91	24	50.94
30	51.05	08	51.44	14	50.89	25	50.95
31	51.07	09	51.42	15	50.93	26	51.24
AUG 01	51.10	10	51.47	16	51.12	27	51.26
02	51.16	11	51.48	17	51.21	28	51.13
03	51.20	12	51.36	18	51.21	29	50.93
04	51.18	13	51.08	19	51.30	MAR 01	51.17
05	51.18	14	51.17	20	51.40	02	51.23
06	51.19	15	51.30	21	51.40	03	51.30
07	51.18	16	51.37	22	51.30	04	51.32
08	51.22	17	51.36	23	51.03	05	51.29
09	51.26	18	51.26	24	51.04	06	51.06
10	51.34	19	51.35	25	51.29	07	51.17
11	51.34	20	51.40	26	51.37	08	51.19
12	51.25	21	51.40	27	51.36	09	51.24
13	51.38	22	51.36	28	51.27	10	51.28
14	51.39	23	51.28	29	51.20	11	51.17
15	51.31	24	51.01	30	51.44	12	51.36
16	51.30	25	51.11	31	51.43	13	51.34
17	51.32	26	51.11	JAN 01, 1984	51.37	14	51.26
18	51.30	27	51.12	02	51.35	15	51.26
19	51.36	28	51.16	03	51.22	16	51.19
20	51.37	29	51.36	04	51.13	17	51.21
21	51.42	30	51.51	05	51.03	18	51.21
22	51.42	31	51.49	06	51.03	19	51.14
23	51.43	NOV 01	51.41	07	51.10	20	51.00
24	51.44	02	51.38	08	51.15	21	50.95
25	51.43	03	51.30	09	51.22	22	50.80
26	51.39	04	51.26	10	51.20	23	51.02
27	51.32	05	51.26	11	51.37	24	51.12
28	51.28	06	51.28	12	51.45	25	51.11
29	51.28	07	51.30	13	51.41	26	51.10
30	51.31	08	51.34	14	51.26	27	51.10
31	51.27	09	51.34	15	51.25	28	50.97
SEP 01	51.31	10	51.30	16	51.23	29	50.86
02	51.34	11	51.05	17	51.22	30	51.02
06	51.38	12	51.24	18	51.22	31	51.02
07	51.43	13	51.36	19	51.23	APR 01	51.01
08	51.51	14	51.35	20	51.30	02	50.99
09	51.51	15	51.31	21	51.37	03	51.04
10	51.47	16	50.98	22	51.40	04	51.01
11	51.42	17	51.08	23	51.39	05	50.79
12	51.44	18	51.25	24	51.29	06	50.70
13	51.44	19	51.26	25	51.13	07	50.85
14	51.48	20	51.26	26	51.17	08	51.04
15	51.51	21	51.10	27	51.14	09	51.06
16	51.46	22	51.15	28	51.19	10	50.98
17	51.31	23	51.21	29	51.16	11	50.84
18	51.37	24	51.21	30	51.10	12	50.83
19	51.41	25	51.09	31	51.16	13	50.78
20	51.40	26	51.18	FEB 01	51.33	14	50.76
21	51.37	27	51.29	02	51.33	15	50.74
22	51.39	28	51.30	03	51.29	16	50.62
23	51.46	29	51.11	10	51.37	17	50.56
24	51.52	30	51.14	11	51.34	18	50.67

Table 11. Water levels in selected wells—Continued

CE CE 55 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 19, 1984	50.74	JUN 01, 1984	50.86	JUL 14, 1984	50.90	SEP 02, 1984	51.18
20	50.78	02	50.82	15	50.89	03	51.10
21	50.89	03	50.84	16	50.82	04	51.08
22	50.92	04	50.83	17	50.82	05	51.16
23	50.88	05	50.86	18	50.80	06	51.19
24	50.60	06	50.85	19	50.84	07	51.24
25	50.75	07	50.86	20	50.88	08	51.24
26	50.83	08	50.89	21	50.83	09	51.19
27	50.84	09	50.89	22	50.81	OCT 05	51.21
28	50.85	10	50.94	23	50.84	06	51.26
29	50.84	11	50.99	24	50.79	07	51.23
30	50.78	12	51.06	25	50.93	08	51.16
MAY 01	50.77	13	51.04	26	50.97	09	51.18
02	50.83	14	50.97	27	50.87	10	51.25
03	50.79	15	51.11	AUG 01	50.86	11	51.25
04	50.60	16	51.13	02	50.86	12	51.21
05	50.78	17	51.06	03	50.88	13	51.17
06	50.83	18	50.92	04	50.88	14	51.17
07	50.86	19	50.86	08	50.86	15	51.10
08	50.79	20	50.92	09	50.91	16	51.02
09	50.72	21	50.94	10	50.89	17	51.03
10	50.83	22	50.95	11	50.86	18	51.05
11	50.84	23	50.89	12	50.87	19	51.06
12	50.70	24	50.83	13	50.87	20	51.08
13	50.78	25	50.71	14	50.87	21	51.11
14	50.80	26	50.82	15	50.88	22	51.12
15	50.88	27	50.83	16	50.93	23	51.16
16	50.99	28	50.78	17	50.94	24	51.23
17	51.04	29	50.84	18	50.94	25	51.23
18	51.01	30	50.83	19	50.92	26	51.18
19	50.87	JUL 01	50.84	20	50.98	27	51.11
20	50.82	02	50.91	21	51.05	28	51.11
21	50.89	03	50.90	22	51.04	29	51.06
22	50.92	04	50.89	23	50.95	30	51.14
23	50.86	05	50.87	24	51.11	31	51.15
24	50.95	06	50.80	25	51.17	NOV 01	51.15
25	50.97	07	50.80	26	51.17	02	51.07
26	50.92	08	50.95	27	51.12	03	51.23
27	51.05	09	50.99	28	51.06	04	51.20
28	51.04	10	50.91	29	50.99	05	50.90
29	50.88	11	50.81	30	50.97	06	50.92
30	50.85	12	50.82	31	51.05		
31	50.89	13	50.88	SEP 01	51.16		

Table 11. Water levels in selected wells—Continued

CE CE 56. Unused observation well screened in sand. Highest daily low water level 28.82 ft below lsd, April 6,1984; lowest 34.48 ft below lsd, November 19,1983. Records available: 1983-84. Records are for the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide, barometric pressure and pumping of other wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 27, 1983	29.63	NOV 14, 1983	31.43	FEB 16, 1984	30.15	JUL 24, 1984	29.49
28	29.48	15	31.06	17	30.07	25	29.75
MAY 25	29.56	16	31.14	18	29.98	26	29.63
JUL 01	29.51	17	31.62	19	29.93	27	29.35
21	30.03	18	33.62	20	29.82	AUG 01	29.48
23	32.68	19	34.48	21	29.84	02	29.60
AUG 01	30.42	20	31.29	22	30.06	03	29.61
02	30.61	21	30.88	23	29.96	04	29.69
07	31.56	22	30.99	24	29.85	08	29.74
13	33.65	23	31.08	25	29.82	09	29.72
16	31.65	24	31.00	26	30.40	10	29.61
20	33.84	25	30.87	27	30.38	11	29.69
SEP 06	30.96	26	31.06	28	30.08	12	29.75
11	31.15	27	31.30	29	29.90	13	29.73
14	31.20	28	31.05	MAR 01	30.22	14	29.69
OCT 05	30.79	29	30.69	02	30.34	15	29.72
06	31.01	DEC 05	30.65	03	30.50	16	29.87
07	31.05	06	30.45	04	30.52	17	29.82
08	31.22	07	30.70	05	30.32	18	29.85
09	31.27	08	31.06	08	30.00	19	29.73
10	31.11	09	31.08	09	30.25	20	29.94
11	30.90	10	30.97	10	30.32	21	29.86
12	30.65	11	31.12	11	29.90	22	29.71
13	30.64	12	30.75	12	30.35	23	29.75
14	30.74	13	30.18	13	30.20	24	30.14
15	31.09	14	30.24	14	30.16	25	30.34
16	31.74	15	30.23	15	30.02	26	30.12
17	30.89	16	30.45	APR 06	28.82	27	30.13
18	31.88	17	30.85	07	29.16	28	30.03
19	31.06	18	30.83	MAY 02	28.97	29	30.10
20	31.13	19	30.84	JUN 01	29.14	30	30.07
21	30.97	20	30.92	02	29.27	31	30.15
22	30.98	21	30.89	05	29.40	SEP 01	30.29
23	30.72	22	30.55	07	29.37	02	30.24
24	30.79	23	30.55	08	29.41	03	30.40
25	30.94	JAN 05, 1984	30.24	09	29.53	04	30.14
26	30.61	FEB 03	30.54	10	29.74	05	30.25
27	30.85	04	30.56	11	29.60	06	30.38
28	30.85	05	30.39	12	29.78	07	30.39
29	31.30	06	30.53	13	29.83	08	30.36
30	31.52	07	31.02	14	29.73	09	30.33
31	31.26	08	31.04	15	29.75	10	30.16
NOV 01	31.20	09	30.83	25	29.17	11	30.28
02	31.12	10	30.95	26	29.54	12	30.40
03	31.02	11	30.76	29	29.76	13	30.34
04	31.02	12	30.88	JUL 02	29.50	14	30.30
09	31.20	13	30.81	04	29.50	15	30.42
12	31.30	14	30.57	06	29.53		
13	31.65	15	30.14	08	29.57		

Table 11. Water levels in selected wells—Continued

CE CF 1. Unused observation well screened in sand. Highest water level 1.42 ft below lsd, January 4,1952; lowest 5.86 ft below lsd, August 29,1966. Records available: 1949-84. Records for the period March 4 to October 27,1982 are the lowest daily water level taken from a continuous recorder chart. Water levels affected by the stage of a nearby stream and evapotranspiration.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 09, 1949	4.80	APR 07, 1955	3.21	FEB 03, 1961	2.18	JAN 07, 1965	3.84
29	4.16	28	3.15	MAR 02	2.61	FEB 03	3.44
OCT 26	3.77	JUN 02	4.22	07	2.67	MAR 16	3.21
NOV 29	3.60	JUL 13	4.68	APR 07	2.83	APR 23	3.12
DEC 29	3.05	SEP 07	3.65	MAY 04	2.73	MAY 19	3.40
FEB 01, 1950	2.30	30	3.81	05	2.89	JUN 08	3.84
28	2.71	OCT 28	3.83	JUN 02	3.04	JUL 07	4.38
MAR 30	2.73	DEC 09	3.63	06	3.07	29	4.98
APR 28	2.40	JAN 13, 1956	2.89	29	3.05	SEP 07	5.57
MAY 26	2.98	FEB 02	2.52	JUL 07	3.51	29	5.21
JUL 03	4.01	MAR 02	2.82	AUG 03	3.92	NOV 05	5.19
AUG 01	4.45	APR 06	2.77	04	3.98	DEC 01	4.68
28	5.44	MAY 04	2.69	SEP 01	3.65	JAN 03, 1966	3.64
OCT 01	3.66	JUN 08	3.33	OCT 04	4.18	19	4.35
26	3.03	JUL 06	3.34	06	4.41	FEB 15	3.01
DEC 01	2.96	AUG 03	3.80	31	4.27	MAR 14	3.43
JAN 02, 1951	2.95	SEP 07	3.81	DEC 06	4.02	APR 09	3.62
31	2.72	OCT 05	4.86	08	4.11	MAY 10	2.90
MAR 01	2.07	NOV 02	2.97	JAN 05, 1962	3.42	JUN 06	3.58
APR 02	2.09	DEC 07	3.34	FEB 09	3.32	JUL 18	5.44
30	2.56	JAN 09, 1957	2.76	15	3.25	AUG 04	5.16
MAY 30	2.88	FEB 12	2.67	MAR 08	2.76	29	5.86
JUL 02	3.61	MAR 08	2.19	13	2.56	SEP 14	4.88
30	3.10	APR 04	2.62	22	2.46	OCT 11	4.15
AUG 31	4.40	MAY 03	2.79	APR 04	2.76	21	3.16
OCT 01	4.97	30	3.12	20	2.69	NOV 16	3.46
29	3.89	JUL 08	4.50	MAY 02	2.89	DEC 14	2.88
NOV 29	3.10	SEP 12	4.56	14	3.04	JAN 03, 1967	2.88
DEC 29	2.27	OCT 11	4.59	JUN 08	3.58	25	3.14
JAN 28, 1952	1.42	NOV 15	2.97	13	3.17	FEB 02	3.06
FEB 28	2.29	DEC 10	2.35	JUL 06	4.00	28	3.09
MAR 31	2.04	JAN 16, 1958	2.62	AUG 02	4.30	MAR 30	2.89
MAY 01	1.70	FEB 11	2.87	08	4.19	APR 11	3.06
30	2.33	MAR 07	2.66	SEP 05	4.36	MAY 15	2.80
JUN 30	3.09	APR 08	2.29	07	4.84	JUN 07	3.27
JUL 29	3.29	MAY 09	2.19	19	4.79	17	3.56
SEP 03	2.99	JUN 06	3.00	OCT 10	3.40	JUL 24	3.75
OCT 01	4.57	JUL 03	3.11	12	3.81	AUG 04	2.20
30	4.64	AUG 05	3.19	DEC 13	3.50	SEP 02	3.14
NOV 26	3.19	SEP 10	3.09	JAN 11, 1963	3.03	OCT 06	3.61
DEC 29	3.15	OCT 03	3.03	17	3.16	NOV 07	3.40
FEB 02, 1953	2.67	NOV 07	3.15	FEB 14	3.03	24	3.39
27	2.63	DEC 05	2.75	MAR 08	2.94	DEC 05	3.04
MAR 31	2.46	31	3.04	21	2.90	JAN 03, 1968	3.19
APR 28	2.52	FEB 06, 1959	2.93	APR 09	2.95	FEB 26	3.38
JUN 02	2.20	MAR 06	2.31	MAY 03	3.13	MAR 26	2.90
29	3.21	APR 03	2.56	JUN 11	3.22	APR 23	3.20
JUL 30	3.95	MAY 08	3.17	JUL 19	5.11	30	3.13
AUG 31	5.07	JUN 09	3.32	SEP 06	5.05	JUN 05	3.09
SEP 30	4.82	JUL 02	3.56	OCT 11	4.60	13	2.75
NOV 03	3.97	AUG 08	3.26	21	4.80	JUL 13	4.01
30	3.54	SEP 04	3.63	25	4.81	AUG 07	4.72
DEC 29	3.21	OCT 14	3.68	NOV 04	4.22	15	4.64
FEB 01, 1954	3.19	NOV 13	3.70	08	3.02	OCT 01	5.42
MAR 01	2.67	JAN 08, 1960	3.11	DEC 13	3.35	NOV 19	3.16
APR 01	2.85	FEB 05	3.06	JAN 03, 1964	2.84	JAN 03, 1969	3.48
MAY 03	3.07	MAR 02	2.96	FEB 17	2.88	22	3.02
27	3.36	APR 12	2.76	MAR 02	2.84	FEB 25	2.94
JUN 28	4.79	MAY 05	2.93	APR 14	2.81	APR 03	3.34
JUL 30	5.70	JUN 07	3.05	MAY 05	2.94	MAY 07	3.56
SEP 01	5.01	JUL 07	3.13	JUN 12	3.96	JUN 04	3.30
29	5.14	AUG 04	2.91	30	4.40	JUL 18	5.00
NOV 02	3.50	SEP 07	3.12	AUG 06	4.70	SEP 11	3.33
DEC 03	3.97	OCT 10	2.88	SEP 03	5.05	OCT 29	4.25
30	2.86	NOV 04	2.71	OCT 08	4.90	DEC 12	3.12
JAN 28, 1955	3.82	DEC 08	3.32	NOV 12	4.78	JAN 13, 1970	3.08
MAR 03	3.18	JAN 06, 1961	2.04	DEC 01	4.18	29	3.20

Table 11. Water levels in selected wells—Continued

CE CF 1 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13, 1970	3.00	NOV 03, 1977	3.45	APR 03, 1982	2.98	JUN 20, 1982	3.03
MAY 06	2.99	DEC 06	2.79	04	2.87	21	3.07
JUN 01	3.45	JAN 04, 1978	2.77	05	2.93	22	3.08
10	3.54	MAR 06	2.74	06	2.92	23	3.14
JUL 14	3.70	APR 13	2.58	07	2.87	24	3.13
SEP 18	4.70	MAY 31	2.50	08	2.92	25	3.13
OCT 09	5.28	JUL 10	2.77	09	2.93	26	3.15
NOV 18	3.62	SEP 01	2.38	10	2.90	27	3.14
DEC 29	3.46	OCT 17	3.87	11	2.95	28	3.14
JAN 28, 1971	3.34	NOV 17	3.53	12	2.99	29	3.13
FEB 26	3.02	DEC 20	3.46	13	3.01	30	3.10
MAR 29	3.20	JAN 04, 1979	2.63	14	3.04	JUL 01	3.16
MAY 05	3.40	FEB 09	2.65	15	3.05	02	3.18
JUN 15	3.39	MAR 13	2.56	16	3.05	03	3.17
JUL 28	4.84	APR 18	2.42	17	3.03	04	3.15
AUG 06	3.25	JUN 07	2.44	18	2.81	05	3.22
NOV 04	2.85	JUL 19	3.30	19	2.91	06	3.25
DEC 15	3.12	AUG 31	2.80	20	2.96	07	3.28
28	3.36	OCT 01	2.19	21	3.01	08	3.31
JAN 13, 1972	3.07	NOV 21	2.80	22	3.07	09	3.32
FEB 23	2.74	JAN 04, 1980	2.86	23	3.07	10	3.37
MAR 15	2.69	FEB 29	2.75	24	3.08	11	3.37
APR 06	2.88	APR 11	2.69	25	3.10	12	3.38
MAY 10	2.38	MAY 23	2.81	26	3.10	13	3.45
JUN 08	3.01	JUL 02	3.04	27	2.77	14	3.45
JUL 12	3.07	AUG 14	4.21	28	2.81	15	3.49
SEP 08	4.25	OCT 09	4.58	29	2.93	16	3.09
OCT 11	4.22	28	3.53	30	2.96	17	3.21
NOV 15	2.85	DEC 11	3.79	MAY 01	3.01	18	3.28
DEC 07	2.95	JAN 05, 1981	3.88	02	3.04	19	3.36
JAN 10, 1973	3.00	19	4.12	03	3.07	20	3.32
FEB 09	2.53	FEB 05	3.58	04	3.06	21	3.34
28	2.94	20	2.97	05	3.10	28	3.25
MAR 07	2.83	APR 10	3.37	06	3.10	29	3.39
APR 06	2.53	MAY 08	3.25	07	3.11	30	3.40
MAY 09	2.67	JUN 19	3.44	08	3.11	31	3.38
JUN 06	2.67	JUL 24	4.07	09	3.12	AUG 01	3.43
JUL 20	2.90	AUG 28	4.53	10	3.15	02	3.46
AUG 10	3.15	OCT 05	4.06	11	3.17	03	3.57
SEP 05	3.92	28	3.23	12	3.20	04	3.65
OCT 12	4.03	DEC 04	3.56	13	3.20	05	3.65
NOV 05	3.69	08	3.47	14	3.20	06	3.67
DEC 14	2.85	JAN 07, 1982	3.15	15	3.22	07	3.73
JAN 11, 1974	1.93	28	3.18	16	3.22	08	3.76
FEB 15	2.93	29	3.24	17	3.25	09	3.43
MAR 15	3.15	FEB 08	3.05	18	3.25	10	3.53
APR 19	2.87	22	2.95	19	3.24	11	3.57
MAY 31	3.02	23	2.98	20	3.22	12	3.60
JUL 19	3.81	MAR 04	3.03	21	3.19	13	3.67
AUG 22	4.32	05	3.01	22	3.16	14	3.76
OCT 09	4.24	06	3.02	23	3.12	15	3.84
NOV 15	3.84	07	2.85	24	3.09	16	3.90
JAN 02, 1975	3.14	08	2.84	25	3.10	17	3.94
28	2.98	09	2.94	26	3.13	18	3.40
MAR 11	2.85	10	2.96	27	3.19	19	3.50
APR 18	2.90	11	2.96	28	3.20	20	3.59
MAY 21	2.64	12	2.96	29	2.75	21	3.68
JUN 24	2.73	13	2.98	30	2.94	22	3.77
SEP 11	2.97	14	3.04	31	3.03	23	3.77
OCT 22	2.41	15	3.05	JUN 01	3.05	24	3.34
NOV 26	2.68	16	3.03	02	3.07	25	3.34
DEC 12	2.77	17	2.92	03	3.13	26	3.47
JAN 06, 1976	2.67	18	2.97	04	3.03	27	3.52
FEB 26	2.58	19	3.02	05	3.03	28	3.70
APR 13	2.82	20	3.05	06	2.96	29	3.80
MAY 17	2.98	21	3.05	07	2.94	30	3.84
JUL 01	4.03	22	3.09	08	3.04	31	3.91
AUG 12	3.88	23	3.10	09	3.13	SEP 01	3.93
OCT 04	3.15	24	3.10	10	3.14	02	4.01
NOV 26	3.13	25	3.10	11	3.18	03	3.58
DEC 16	3.14	26	3.06	12	3.21	04	3.69
JAN 05, 1977	3.29	27	3.13	13	3.15	05	3.82
FEB 17	2.37	28	3.15	14	2.72	06	3.93
APR 04	2.72	29	3.13	15	2.88	07	4.02
MAY 10	2.97	30	3.11	16	2.94	08	4.05
JUN 21	3.72	31	2.99	17	2.95	09	4.12
AUG 18	3.35	APR 01	2.88	18	2.95	10	4.18
SEP 14	4.32	02	2.98	19	2.97	11	4.24

Table 11. Water levels in selected wells—Continued

CE CF 1 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 12, 1982	4.30	SEP 30, 1982	3.82	OCT 16, 1982	4.26	MAY 25, 1983	2.62
13	4.35	OCT 01	3.90	17	4.41	JUL 07	3.97
14	4.36	02	4.02	18	4.43	AUG 05	4.06
15	4.40	03	4.09	19	4.45	SEP 06	5.22
16	4.38	04	4.15	20	4.47	08	5.34
17	4.43	05	4.19	21	4.19	OCT 05	4.97
18	4.48	06	4.21	22	4.32	NOV 09	4.20
19	4.53	07	4.25	23	4.38	DEC 05	3.03
20	4.50	08	4.28	24	4.41	JAN 05, 1984	3.00
21	4.01	09	4.35	25	4.39	FEB 03	3.05
22	4.00	10	4.39	26	3.41	MAR 08	2.89
23	4.16	11	4.40	27	3.57	APR 06	2.54
27	3.44	12	4.40	28	3.61	MAY 02	2.70
28	3.60	14	4.20	JAN 03, 1983	3.26	JUN 01	2.67
29	3.75	15	4.35	MAR 25	2.74	JUL 02	3.04

CE CF 48. Unused observation well screened in sand. Highest water level 54.79 ft below lsd, May 8,1967; lowest 64.42 ft below lsd, August 23,1984. Records available: 1966-84. Records for the period November 3,1966 to March 18,1967 represent the highest daily water level (Geraghty and Miller, 1967, fig. 16). Records for the period April 14 to August 4,1967 are the lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide, barometric pressure and pumping of other wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 03, 1966	55.70	DEC 07, 1972	56.76	DEC 16, 1976	61.08	APR 10, 1981	63.76
16	55.92	JAN 10, 1973	56.92	JAN 05, 1977	61.22	MAY 08	63.39
DEC 01	55.90	FEB 09	57.30	FEB 17	61.82	JUN 19	62.82
16	56.00	28	57.76	APR 04	62.03	JUL 24	62.93
JAN 01, 1967	55.72	MAR 07	57.89	MAY 10	62.07	AUG 28	62.90
15	55.73	APR 06	58.24	JUN 21	61.64	OCT 05	62.80
FEB 01	55.73	MAY 05	58.70	AUG 18	62.12	28	62.62
14	55.60	JUN 06	59.15	SEP 14	62.22	DEC 08	62.39
MAR 01	55.65	JUL 20	59.30	NOV 03	62.15	JAN 11, 1982	62.45
10	55.50	AUG 10	59.27	DEC 06	62.02	FEB 12	63.05
APR 13	55.27	SEP 05	59.59	JAN 04, 1978	62.51	MAR 12	63.13
21	55.11	OCT 12	59.36	MAR 06	62.26	APR 28	63.30
MAY 01	55.03	NOV 05	59.42	APR 13	62.18	JUN 03	63.23
16	55.07	DEC 14	58.97	MAY 31	62.04	JUL 14	63.40
JUN 01	55.11	JAN 11, 1974	58.54	JUL 10	62.17	AUG 12	63.65
15	55.16	FEB 15	58.84	SEP 01	62.21	OCT 12	63.76
JUL 01	55.07	MAR 15	58.75	OCT 17	62.49	NOV 17	63.89
12	55.03	APR 19	58.25	NOV 21	62.58	DEC 15	64.04
AUG 03	55.24	MAY 31	58.19	DEC 20	62.79	FEB 03, 1983	63.75
04	55.11	JUL 19	58.10	JAN 04, 1979	62.23	MAR 02	63.59
NOV 24	55.24	AUG 22	58.44	FEB 09	62.02	APR 08	63.38
FEB 06, 1968	54.90	OCT 09	58.39	MAR 19	62.31	MAY 06	63.46
APR 23	54.96	NOV 15	58.65	APR 18	62.22	JUN 07	63.24
JUN 13	55.32	JAN 02, 1975	58.83	JUN 07	61.84	JUL 22	63.89
AUG 07	55.53	28	58.95	JUL 19	62.20	AUG 23	64.42
27	55.41	MAR 11	59.36	AUG 27	62.37	OCT 20	64.40
NOV 19, 1969	56.41	APR 18	59.31	OCT 17	62.23	NOV 10	64.20
DEC 17	56.50	MAY 21	58.15	NOV 21	62.07	DEC 29	63.83
MAR 05, 1970	56.93	JUN 24	58.75	JAN 04, 1980	61.87	JAN 31, 1984	63.79
JUN 10	57.45	SEP 18	58.87	FEB 29	62.20	MAR 12	64.17
DEC 29	57.81	OCT 22	58.29	APR 11	61.99	APR 16	63.29
JUL 11, 1971	56.70	NOV 26	58.15	MAY 20	61.49	MAY 21	63.59
DEC 28	56.25	DEC 16	57.98	JUL 08	61.05	JUN 27	63.36
MAR 24, 1972	57.34	JAN 06, 1976	58.25	AUG 14	61.66	JUL 30	63.48
APR 06	57.54	FEB 26	58.73	OCT 03	62.09	AUG 20	63.57
MAY 10	57.43	APR 13	59.54	NOV 05	62.03	OCT 09	63.78
JUN 08	57.43	MAY 17	59.62	DEC 11	62.54	NOV 07	63.79
JUL 12	57.18	JUL 01	60.17	JAN 05, 1981	62.88	DEC 10	63.53
SEP 08	56.62	AUG 12	60.53	19	62.82		
OCT 11	56.92	OCT 04	60.75	FEB 05	63.32		
NOV 15	56.28	NOV 19	60.89	20	62.94		

Table 11. Water levels in selected wells—Continued

CE CF 49. Unused observation well screened in sand. Highest daily low water level 54.30 ft below lsd, March 23,1968; lowest 64.60 ft below lsd, October 10,1983. Records available: 1967-84. Records are for lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide, barometric pressure and pumping of other wells.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 13, 1967	54.96	APR 15, 1972	57.54	OCT 27, 1975	58.15	JUL 16, 1979	62.17
21	54.82	MAY 01	57.57	NOV 01	58.23	AUG 01	62.30
MAY 01	54.77	16	57.26	03	58.22	16	62.43
16	54.75	JUN 01	57.32	DEC 17	57.93	SEP 01	62.45
JUN 01	54.79	15	57.31	24	58.17	15	62.54
03	54.80	JUL 01	56.81	JAN 01, 1976	57.99	OCT 01	62.30
JUL 13	54.70	16	56.78	16	58.18	16	62.30
22	54.87	AUG 01	56.79	FEB 01	58.23	NOV 01	62.33
AUG 01	54.91	16	56.67	15	58.75	09	62.17
16	55.00	SEP 01	56.62	MAR 01	58.78	DEC 01	61.98
SEP 01	55.04	15	56.50	16	58.83	16	61.92
15	55.12	OCT 01	56.58	APR 01	59.14	JAN 01, 1980	61.82
OCT 01	55.32	16	56.53	11	59.58	16	61.93
10	55.19	NOV 01	56.44	MAY 18	59.70	FEB 01	62.06
NOV 25	54.95	15	56.17	19	59.72	15	62.23
27	54.94	DEC 01	56.09	JUL 01	60.30	MAR 01	62.48
DEC 01	55.00	16	56.22	16	60.22	16	62.45
JAN 20, 1968	54.64	JAN 01, 1973	56.44	AUG 01	60.40	APR 01	62.12
25	54.56	16	56.94	09	60.39	15	61.82
FEB 01	54.67	FEB 01	57.20	NOV 27	61.30	MAY 01	61.62
15	54.50	11	57.28	28	61.34	16	61.65
MAR 01	54.48	MAR 07	57.75	DEC 17	61.24	JUN 01	61.42
16	54.64	18	57.79	22	61.08	15	61.18
APR 01	54.57	APR 01	58.02	JAN 05, 1977	61.19	JUL 01	61.10
15	54.45	15	58.48	06	61.26	16	61.08
MAY 01	54.56	MAY 01	58.70	FEB 18	61.78	AUG 01	61.32
16	54.83	16	58.90	19	61.92	16	61.81
JUN 01	54.96	JUN 01	59.02	MAR 03	61.99	SEP 01	61.92
15	55.18	15	59.25	17	61.97	15	62.14
JUL 01	55.32	JUL 01	59.26	APR 01	62.22	OCT 01	62.16
03	55.30	16	59.22	02	62.25	16	62.35
NOV 19, 1969	56.13	AUG 01	59.25	JUN 21	61.67	NOV 01	62.26
24	56.33	16	59.43	25	61.55	15	62.39
DEC 01	56.15	SEP 01	59.58	JUL 01	61.62	DEC 01	62.37
16	56.20	15	59.40	15	61.65	14	62.57
JAN 01, 1970	56.10	OCT 01	59.37	AUG 01	61.85	JAN 01, 1981	62.65
16	56.28	15	59.33	16	62.08	16	62.93
FEB 01	56.46	NOV 05	59.37	SEP 01	62.22	FEB 01	63.12
14	56.75	17	59.59	15	62.40	14	63.39
MAR 01	57.03	DEC 01	59.59	OCT 01	62.26	MAR 01	63.30
16	57.07	16	59.02	16	62.27	16	63.45
APR 01	56.98	JAN 01, 1974	58.87	NOV 01	62.48	APR 01	63.61
15	56.87	13	58.83	15	62.41	15	63.85
MAY 01	57.06	FEB 01	58.69	DEC 01	62.16	MAY 01	63.35
12	57.15	19	58.60	16	62.36	16	63.17
JUN 11	57.24	MAR 01	58.73	JAN 01, 1978	62.26	JUN 01	63.16
20	57.19	16	58.52	16	62.50	15	62.91
JUL 01	57.14	APR 01	58.33	FEB 01	62.39	JUL 01	62.80
16	57.05	15	58.07	15	62.26	16	62.75
AUG 01	57.07	JUN 01	58.07	MAR 01	62.33	AUG 01	62.92
16	57.27	16	58.05	16	62.29	16	62.77
SEP 01	57.54	JUL 01	57.98	APR 01	62.22	SEP 01	62.80
15	57.71	16	58.05	15	62.38	15	62.79
OCT 01	57.92	AUG 01	58.15	MAY 01	62.13	OCT 01	62.72
16	58.24	11	58.16	15	61.99	16	62.82
NOV 01	58.25	SEP 01	58.27	JUL 11	62.28	NOV 01	62.80
15	57.95	15	58.32	21	62.21	15	62.50
DEC 01	58.01	OCT 01	58.30	AUG 01	62.15	DEC 01	62.60
16	57.89	05	58.47	16	62.15	16	62.53
JAN 01, 1971	57.54	NOV 16	58.43	SEP 01	62.31	JAN 01, 1982	62.52
16	57.60	17	58.50	15	62.32	16	62.55
FEB 01	57.52	DEC 01	58.98	OCT 01	62.37	FEB 01	62.90
15	57.53	03	58.84	16	62.46	14	63.02
MAR 01	57.59	JAN 03, 1975	59.09	NOV 01	62.63	MAR 01	63.32
11	57.60	15	58.82	15	62.63	16	63.32
APR 01	57.48	FEB 01	59.06	DEC 01	62.37	APR 01	63.26
15	57.36	14	59.21	16	62.27	15	63.31
MAY 01	57.10	MAR 01	59.09	JAN 01, 1979	62.12	MAY 01	63.35
16	56.78	16	59.40	16	62.16	16	63.47
JUL 12	56.46	APR 01	59.28	FEB 01	62.08	JUN 01	63.22
16	56.37	15	59.32	14	62.22	14	63.18
DEC 29	56.16	MAY 01	59.29	MAR 01	62.20	JUL 01	63.32
30	56.11	22	58.97	16	62.48	16	63.48
JAN 01, 1972	56.18	JUN 25	58.67	APR 01	62.42	AUG 01	63.51
16	56.32	27	58.62	15	62.22	15	63.81
FEB 01	56.43	JUL 01	58.61	MAY 01	62.16	SEP 01	63.81
04	56.54	11	58.53	16	62.15	02	63.74
MAR 21	57.32	SEP 13	58.96	JUN 01	62.00	OCT 12	63.83
26	57.28	15	59.05	15	62.02	21	63.97
APR 01	57.30	OCT 23	58.07	JUL 01	61.95	NOV 01	63.91

Table 11. Water levels in selected wells—Continued

CE CF 49 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15, 1982	64.06	JUN 15, 1983	63.54	JAN 16, 1984	64.00	AUG 16, 1984	63.48
DEC 01	64.05	JUL 01	63.60	FEB 01	64.01	SEP 01	63.75
16	63.99	16	63.85	15	63.82	10	63.73
JAN 01, 1983	64.13	AUG 01	64.13	MAR 01	63.95	OCT 04	63.88
16	64.04	16	64.48	16	63.97	11	63.89
FEB 01	64.22	SEP 01	64.44	APR 01	63.83	NOV 07	63.87
15	63.92	15	64.54	15	63.57	09	63.80
MAR 01	63.86	OCT 01	64.46	MAY 01	63.56	DEC 10	63.48
16	63.82	16	64.47	16	63.54	11	63.55
APR 01	63.53	NOV 01	64.48	JUN 01	63.37		
15	63.39	15	64.23	15	63.67		
MAY 01	63.40	DEC 01	64.25	JUL 01	63.40		
16	63.46	14	63.79	16	63.35		
JUN 01	63.28	JAN 01, 1984	64.13	AUG 01	63.47		

CE CF 52. Unused observation well screened in sand. Highest daily water level 57.20 ft below lsd, March 7,1967; lowest daily high water level 58.17 ft below lsd, December 4,1966. Records available: 1966-67. Records are for highest daily water level (Geraghty and Miller, 1967, fig.21). Water levels affected by earth tide and barometric pressure.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25, 1966	58.01	DEC 23, 1966	57.90	JAN 22, 1967	57.91	FEB 21, 1967	57.40
26	58.00	24	57.80	23	57.82	22	57.50
27	57.85	25	57.80	24	57.84	23	57.40
28	57.61	26	57.85	25	57.80	24	57.50
29	57.65	27	58.00	26	57.70	25	57.60
30	57.80	28	57.75	27	57.45	26	57.70
DEC 01	57.92	29	57.60	28	57.45	27	57.45
02	57.88	30	57.80	31	57.75	28	57.40
03	58.10	31	57.95	FEB 01	57.70	MAR 01	57.60
04	58.17	JAN 01, 1967	57.73	02	57.55	02	57.50
05	58.00	02	57.73	03	57.80	03	57.50
06	57.97	03	57.82	04	57.58	04	57.60
07	57.90	04	57.75	05	57.60	05	57.45
08	57.90	05	57.75	06	57.60	06	57.35
09	57.92	08	57.85	07	57.60	07	57.20
10	57.87	09	57.85	08	57.65	08	57.50
11	57.90	10	57.80	09	57.50	09	57.50
12	58.01	11	57.80	10	57.40	10	57.40
13	57.90	12	57.70	11	57.40	11	57.38
14	57.88	13	57.75	12	57.60	12	57.45
15	57.96	14	57.69	13	57.65	13	57.38
16	57.97	15	57.70	14	57.55	14	57.30
17	57.90	16	57.85	15	57.50	15	57.30
18	57.87	17	57.85	16	57.40	16	57.30
19	57.91	18	57.95	17	57.70	17	57.27
20	57.70	19	57.99	18	57.65	18	57.52
21	57.85	20	57.92	19	57.65		
22	57.87	21	57.86	20	57.45		

CE CF 61. Domestic dug well. Highest water level 22.82 ft below lsd, December 16,1983; lowest 28.39 ft below lsd, September 28,1981. Records available: 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	23.80	SEP 28, 1981	28.39	OCT 05, 1982	25.96	DEC 16, 1983	22.82
JUN 08, 1981	27.12	APR 19, 1982	26.62				

CE DD 64. Unused domestic dug well. Highest water level 21.97 ft below lsd, April 27,1983; lowest 25.27 ft below lsd, June 8,1981. Records available: 1979-83.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	23.81	JUN 08, 1981	25.27	APR 15, 1982	23.60	APR 27, 1983	21.97
OCT 07, 1980	24.26	SEP 28	25.03	OCT 06	23.78		

Table 11. Water levels in selected wells—Continued

CE DD 81. Unused observation well screened in sand. Highest daily low water level 13.25 ft below lsd, July 1,1983; lowest 17.28 ft below lsd, October 29, 30, 1983. Records available: 1983-84. Records are for lowest daily water level taken from a continuous recorder chart. Water levels affected by earth tide and barometric pressure.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 25, 1983	15.52	SEP 26, 1983	16.32	DEC 02, 1983	15.87	FEB 13, 1984	15.02
APR 27	14.18	27	16.34	03	15.70	14	14.85
MAY 24	14.07	28	16.47	04	15.57	15	14.60
JUL 01	13.25	29	16.47	05	15.57	16	14.61
21	13.95	30	16.52	06	15.40	17	14.51
22	14.14	OCT 01	16.46	07	15.62	18	14.36
23	14.13	02	16.47	08	15.70	19	14.37
24	14.07	03	16.51	09	15.71	20	14.23
25	14.20	04	16.52	10	15.57	21	14.35
26	14.26	05	16.50	11	15.61	22	14.50
27	14.35	06	16.63	12	15.32	23	14.36
28	14.33	07	16.65	13	14.93	24	14.21
29	14.39	08	16.60	14	15.02	25	14.47
30	14.46	09	16.66	15	15.06	26	14.68
31	14.53	10	16.71	16	15.23	27	14.65
AUG 01	14.62	11	16.64	17	15.32	28	14.12
02	14.78	12	16.41	18	15.30	29	14.43
03	14.80	13	16.54	19	15.19	MAR 01	14.55
04	14.79	14	16.71	20	15.29	02	14.59
05	14.80	15	16.84	21	15.27	03	14.63
06	14.84	16	16.86	22	14.86	04	14.64
07	14.85	17	16.71	23	14.98	05	14.05
08	14.94	18	16.71	24	14.84	08	14.31
09	14.96	19	16.86	25	15.10	09	14.64
10	15.08	20	16.94	26	15.19	10	14.62
11	15.00	21	16.82	27	14.99	11	14.54
12	15.09	22	16.80	28	14.90	12	14.78
13	15.27	23	16.69	29	15.03	13	14.60
14	15.22	24	16.79	30	15.22	14	14.37
15	15.11	25	16.92	31	15.20	15	14.40
16	15.14	26	16.70	JAN 01, 1984	14.98	16	14.11
17	15.17	27	16.97	02	14.88	17	14.28
18	15.15	28	16.91	03	14.72	18	14.25
19	15.31	29	17.28	04	14.61	19	14.02
20	15.33	30	17.28	05	14.70	20	14.02
21	15.49	31	17.07	06	14.55	21	13.89
22	15.43	NOV 01	17.09	07	14.82	22	13.99
23	15.48	02	17.05	08	14.86	23	14.36
24	15.47	03	16.97	09	15.01	24	14.40
25	15.47	04	17.12	10	14.81	25	14.20
26	15.44	05	17.08	11	15.14	26	14.18
27	15.47	06	17.09	12	15.18	27	14.16
28	15.53	07	17.07	13	15.05	28	14.01
29	15.59	08	16.99	14	14.83	29	13.86
30	15.59	09	16.65	15	14.92	30	14.04
31	15.63	10	16.86	16	14.82	APR 06	13.41
SEP 01	15.69	11	16.94	17	14.87	07	13.73
06	15.72	12	16.90	18	14.87	08	13.88
07	15.83	13	16.70	19	14.97	09	13.87
08	15.95	14	16.50	20	15.07	10	13.61
09	15.92	15	16.26	21	15.15	11	13.50
10	15.91	16	16.50	28	15.03	12	13.48
11	15.97	17	16.50	29	14.89	13	13.50
12	16.00	18	16.37	30	14.92	14	13.50
13	16.09	19	16.31	31	15.02	15	13.47
14	16.10	20	16.16	FEB 01	15.17	16	13.31
15	16.09	21	16.14	02	15.17	17	13.37
16	16.02	22	16.15	03	15.06	18	13.52
17	15.95	23	16.04	04	14.76	19	13.67
18	16.14	24	15.95	05	14.77	20	13.64
19	16.12	25	16.00	06	15.01	21	13.80
20	16.19	26	16.05	07	15.20	22	13.92
21	16.06	27	16.00	08	15.29	23	13.45
22	16.32	28	15.77	09	15.06	24	13.38
23	16.32	29	15.71	10	15.15	25	13.73
24	16.41	30	15.71	11	14.97	26	13.77
25	16.39	DEC 01	15.90	12	15.08	27	13.70

Table 11. Water levels in selected wells—Continued

CE DD 81 (CONTINUED)

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 28, 1984	13.73	MAY 12, 1984	13.72	MAY 26, 1984	14.13	SEP 05, 1984	15.36
29	13.71	13	13.73	27	14.23	OCT 05	17.03
30	13.60	14	13.80	28	14.16	06	17.05
MAY 01	13.64	15	13.86	29	13.97	07	17.01
02	13.70	16	13.98	30	14.19	08	16.99
03	13.63	17	13.94	31	14.19	09	17.03
04	13.79	18	13.78	JUN 01	14.00	10	17.11
05	13.89	19	13.78	02	14.09	11	17.09
06	13.88	20	13.88	03	14.09	12	17.05
07	13.78	21	13.94	04	14.15	13	17.14
08	13.66	22	13.94	05	14.23	14	17.09
09	13.78	23	13.94	06	14.18		
10	13.78	24	14.09	JUL 02	14.86		
11	13.64	25	13.95	AUG 01	15.54		

CE DE 20. Domestic dug well. Highest water level 63.38 ft below lsd, October 7,1980; lowest 65.72 ft below lsd, June 8,1981. Records available: 1979-81. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	63.43	OCT 07, 1980	63.38	JUN 08, 1981	65.72

CE DE 21. Domestic dug well. Highest water level 11.24 ft below lsd, December 16,1983; lowest 15.32 ft below lsd, September 28,1981. Records available: 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19, 1979	11.91	JUN 08, 1981	14.06	APR 19, 1982	12.30	DEC 16, 1983	11.24
OCT 09, 1980	15.23	SEP 28	15.32	OCT 05	14.76		

CE DE 30. Domestic dug well. Highest water level 23.19 ft below lsd, October 22,1979; lowest 26.63 ft below lsd, April 15,1982. Records available: 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	23.19	JUN 08, 1981	26.22	APR 15, 1982	26.63	DEC 16, 1983	23.47
OCT 07, 1980	23.40	SEP 28	26.61	OCT 05	25.27		

CE DE 32. Unused dug well. Highest water level 2.90 ft below lsd, April 27,1983; lowest 7.24 ft below lsd, October 5,1982. Records available: 1953, 1979-83.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 23, 1953	6.66	JUN 08, 1981	5.69	APR 15, 1982	4.68	APR 27, 1983	2.90
OCT 22, 1979	5.04	SEP 28	6.93	OCT 05	7.24		

CE DE 33. Domestic dug well. Highest water level 44.76 ft below lsd, October 22,1979; well was dry, April 15,1982. Records available:1979-83. Water level may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	44.76	JUN 08, 1981	47.65	APR 15, 1982	DRY	DEC 16, 1983	44.90
OCT 07, 1980	45.15	SEP 28	49.13	OCT 05	47.75		

CE DE 42. Unused dug well. Highest water level 12.18 ft below lsd, October 19,1979; lowest 16.32 ft below lsd, October 9,1980. Records available: 1979-80.

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19, 1979	12.18	OCT 09, 1980	16.32

Table 11. Water levels in selected wells—Continued

CE DF 8. Domestic dug well. Highest water level 29.35 ft below lsd, August 24,1953; lowest 39.10 ft below lsd, June 9,1981. Records available: 1953, 1979-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 24, 1953	29.35	OCT 09, 1980	33.06	SEP 28, 1981	36.76	OCT 05, 1982	34.64
OCT 22, 1979	31.66	JUN 08, 1981	39.10	APR 19, 1982	36.69	DEC 16, 1983	30.48

CE DF 9. Domestic dug well. Highest water level 29.52 ft below lsd, October 22,1979; lowest 37.02 ft below lsd, October 7,1980, September 28, 1981. Records available: 1979-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	29.52	JUN 08, 1981	36.78	APR 19, 1982	36.75	OCT 05, 1982	31.83
OCT 07, 1980	37.02	SEP 28	37.02				

CE DF 13. Domestic dug well. Highest water level 21.26 ft below lsd, August 24,1953; lowest 28.10 ft below lsd, April 15,1982. Records available: 1953, 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 24, 1953	21.26	OCT 07, 1980	22.92	SEP 28, 1981	27.69	OCT 05, 1982	26.74
OCT 22, 1979	22.27	JUN 08, 1981	27.00	APR 15, 1982	28.10	DEC 16, 1983	22.87

CE DF 20. Domestic dug well. Highest water level 16.60 ft below lsd, October 22,1979; lowest 19.04 ft below lsd, October 9,1980. Records available: 1979-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	16.60	JUN 08, 1981	17.87	APR 19, 1982	17.74	OCT 05, 1982	18.57
OCT 09, 1980	19.04	SEP 28	18.19				

CE DF 23. Domestic dug well. Highest water level 39.35 ft below lsd, October 22,1979; lowest 45.70 ft below lsd, September 28,1981. Records available: 1953, 1979-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21, 1953	41.14	OCT 07, 1980	40.52	SEP 28, 1981	45.70	OCT 05, 1982	41.95
OCT 22, 1979	39.35	JUN 08, 1981	45.41				

CE ED 15. Domestic dug well. Highest water level 36.93 ft below lsd, September 25,1953; lowest 44.74 ft below lsd, April 15,1982. Records available: 1953, 1979-82. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 25, 1953	36.93	OCT 07, 1980	41.04	SEP 28, 1981	43.57	OCT 06, 1982	43.60
OCT 22, 1979	41.82	JUN 08, 1981	42.94	APR 15, 1982	44.74		

Table 11. Water levels in selected wells—Continued

CE EE 1. Unused observation well screened in sand. Highest water level 0.98 ft below lsd, May 1,1952; lowest 10.32 ft below lsd, October 26,1950. Records available: 1949-52.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 17, 1949	6.75	APR 28, 1950	8.61	JAN 31, 1951	9.44	OCT 29, 1951	9.07
SEP 09	7.40	MAY 26	8.72	MAR 01	7.17	NOV 16	8.36
28	7.76	JUL 03	9.02	APR 02	6.70	27	8.66
OCT 20	8.56	AUG 01	9.30	30	6.18	DEC 29	5.65
NOV 29	9.05	28	9.75	MAY 30	6.62	JAN 31, 1952	2.84
DEC 29	9.38	OCT 01	10.16	JUL 02	7.22	FEB 28	2.62
FEB 01, 1950	9.94	26	10.32	30	6.98	MAR 31	2.00
28	9.54	DEC 01	9.84	AUG 31	7.85	MAY 01	0.98
MAR 30	8.76	JAN 02, 1951	9.86	OCT 01	8.63	30	2.42

CE EE 2. Unused observation well screened in sand. Highest water level 0.87 ft below lsd, March 8, April 4, 1962; lowest 16.69 ft below lsd, October 21,1966. Records available: 1951-71.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29, 1951	12.72	JUL 06, 1956	13.13	MAR 07, 1961	6.08	JUL 07, 1965	14.33
NOV 16	12.12	AUG 03	12.85	APR 07	4.52	29	14.53
27	12.37	SEP 07	14.03	MAY 04	4.60	SEP 07	15.00
DEC 29	9.51	OCT 05	13.70	05	5.11	29	15.30
JAN 31, 1952	6.81	NOV 02	13.61	JUN 02	5.72	NOV 05	15.84
FEB 28	6.15	DEC 07	13.16	29	5.37	DEC 01	16.16
MAR 31	5.28	JAN 09, 1957	11.89	AUG 04	7.43	JAN 03, 1966	16.40
MAY 01	3.63	FEB 12	11.12	SEP 01	8.53	FEB 15	15.90
30	5.69	MAR 08	9.88	OCT 04	8.77	MAR 14	15.28
JUN 30	6.96	APR 04	8.98	NOV 03	10.62	APR 09	16.62
JUL 29	7.31	MAY 03	9.33	DEC 06	9.03	OCT 21	16.69
SEP 03	8.48	30	9.88	08	9.43	APR 11, 1967	15.90
OCT 01	9.52	JUL 08	10.82	JAN 05, 1962	9.92	MAY 15	15.35
30	10.44	AUG 21	12.18	FEB 09	10.80	JUN 17	15.00
NOV 26	10.39	SEP 11	12.57	MAR 08	0.87	JUL 24	15.05
DEC 29	10.04	OCT 11	12.63	APR 04	0.87	OCT 03	15.29
FEB 02, 1953	6.74	NOV 15	13.54	20	3.30	NOV 07	15.65
27	6.43	DEC 10	13.57	MAY 14	5.42	MAR 26, 1968	15.08
MAR 31	5.07	JAN 16, 1958	12.56	JUN 08	6.99	APR 23	13.34
APR 28	5.22	FEB 11	10.55	13	7.24	30	13.20
JUN 02	5.32	MAR 07	8.80	JUL 06	8.23	JUN 05	11.50
29	6.33	APR 08	4.41	AUG 02	9.22	JUL 15	10.38
JUL 30	7.56	MAY 09	4.62	08	9.35	AUG 15	9.79
AUG 31	9.10	JUN 06	6.15	SEP 07	10.39	SEP 30	7.40
SEP 30	10.04	JUL 03	7.03	OCT 10	11.12	NOV 19	4.05
NOV 03	10.67	AUG 05	7.27	12	11.17	JAN 03, 1969	5.10
30	11.13	SEP 10	7.41	DEC 18	13.47	20	6.73
DEC 29	10.15	OCT 03	8.15	JAN 11, 1963	12.48	FEB 25	6.04
FEB 01, 1954	10.05	NOV 07	8.37	FEB 14	12.77	MAR 31	7.90
MAR 01	10.36	DEC 05	8.55	MAR 08	12.43	MAY 07	3.56
APR 01	9.58	31	9.43	APR 09	12.19	JUN 04	9.10
MAY 03	10.03	FEB 06, 1959	9.50	MAY 03	12.17	JUL 18	10.43
27	10.11	MAR 06	9.10	JUN 11	12.33	SEP 11	9.25
JUN 28	10.90	APR 03	8.68	JUL 19	12.81	OCT 29	10.58
JUL 30	11.57	MAY 08	9.13	SEP 06	13.33	JAN 13, 1970	10.47
SEP 01	12.19	JUN 09	9.70	OCT 11	13.53	30	8.70
29	12.73	JUL 02	9.89	NOV 04	14.00	MAR 18	10.23
NOV 02	13.34	AUG 08	7.98	DEC 13	14.02	MAY 04	7.40
DEC 03	13.77	SEP 04	9.36	JAN 03, 1964	14.18	JUN 08	7.08
30	14.21	OCT 14	8.64	FEB 17	13.43	JUL 14	6.79
JAN 28, 1955	12.01	NOV 13	11.70	MAR 02	12.92	SEP 24	9.27
MAR 03	14.69	JAN 08, 1960	11.42	APR 14	12.32	OCT 09	9.67
APR 07	13.71	FEB 05	10.42	MAY 05	11.66	NOV 16	4.75
28	13.69	MAR 02	9.04	JUN 11	10.90	DEC 29	5.70
JUN 02	14.04	APR 12	8.02	30	10.97	FEB 01, 1971	9.37
JUL 13	14.37	MAY 05	8.04	AUG 06	11.48	26	3.10
SEP 07	13.38	JUN 07	9.02	SEP 03	11.89	MAR 23	2.89
30	13.56	JUL 07	9.26	OCT 08	11.29	MAY 05	3.37
OCT 28	13.96	AUG 04	9.39	NOV 12	13.10	JUN 15	2.18
DEC 09	14.74	SEP 07	9.74	DEC 01	13.73	JUL 30	5.37
JAN 13, 1956	15.14	OCT 10	9.63	JAN 07, 1965	14.61		
FEB 02	15.53	NOV 04	9.37	FEB 03	15.05		
MAR 02	14.83	DEC 08	9.40	MAR 16	14.89		
APR 06	13.26	JAN 06, 1961	8.96	APR 23	14.58		
MAY 04	12.51	FEB 03	9.64	MAY 19	14.42		
JUN 08	12.74	MAR 02	5.91	JUN 08	13.95		

Table 11. Water levels in selected wells—Continued

CE EE 25. Domestic dug well. Highest water level 52.89 ft below lsd, October 9,1980; lowest 57.81 ft below lsd, April 14,1982. Records available: 1953, 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22, 1953	53.39	OCT 09, 1980	52.89	SEP 28, 1981	56.51	OCT 06, 1982	55.76
OCT 22, 1979	54.48	JUN 08, 1981	55.66	APR 14, 1982	57.81	DEC 16, 1983	53.00

CE EE 29. Unused observation well screened in sand. Highest mean water level 67.99 ft below lsd, March 25,1979; lowest 70.46 ft below lsd, October 6,1982. Records available: 1978-84. Records for the period August 22,1978 to December 4,1979 are mean daily water levels from a digital recorder. Water levels affected by earth tide and barometric pressure.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 01, 1978	68.50	JUL 01, 1979	68.36	DEC 01, 1980	69.27	AUG 05, 1983	69.91
26	68.82	03	68.42	JAN 06, 1981	69.30	SEP 06	70.07
SEP 01	68.84	AUG 14	68.65	FEB 09	69.28	OCT 05	69.86
15	68.98	22	68.76	MAR 03	69.21	NOV 09	69.91
OCT 01	69.03	SEP 01	68.75	31	69.27	29	69.55
16	69.08	15	68.72	MAY 04	69.27	DEC 05	69.59
NOV 01	69.08	OCT 01	68.56	JUN 02	69.37	JAN 05, 1984	69.24
15	69.09	16	68.64	JUL 02	68.56	FEB 03	69.27
DEC 01	68.92	NOV 01	68.76	AUG 05	69.82	MAR 08	69.17
16	68.75	15	68.65	SEP 02	70.08	APR 06	68.80
JAN 01, 1979	68.69	DEC 01	68.65	OCT 06	69.91	MAY 02	68.86
16	68.62	02	68.69	NOV 04	69.94	JUN 01	68.93
FEB 01	68.23	JAN 09, 1980	68.73	DEC 08	69.70	JUL 02	69.25
14	68.40	FEB 08	68.77	JAN 19, 1982	69.66	AUG 01	69.46
MAR 01	68.26	MAR 04	68.70	APR 15	69.68	SEP 05	69.75
16	68.33	APR 17	68.68	JUL 14	69.85	OCT 05	69.86
APR 01	68.26	MAY 13	68.43	AUG 20	70.22	NOV 06	69.63
15	68.13	JUN 09	68.60	SEP 15	70.25		
MAY 01	68.30	JUL 09	68.81	OCT 06	70.46		
16	68.39	AUG 22	69.19	MAR 28, 1983	69.31		
JUN 01	68.37	SEP 24	69.46	MAY 25	69.27		
15	68.43	OCT 31	69.36	JUL 07	69.60		

CE EE 46. Unused domestic dug well. Highest water level 15.64 ft below lsd, December 16,1983; well was dry, June 8 and September 28,1981. Records available: 1979-83.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	16.02	JUN 08, 1981	DRY	SEP 28, 1981	DRY	DEC 16, 1983	15.64

CE EF 2. Unused domestic dug well. Highest water level 12.41 ft below lsd, October 22,1979; lowest 16.14 ft below lsd, October 7,1980. Records available: 1979-80.

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22, 1979	12.41	OCT 07, 1980	16.14

CE EF 4. Domestic dug well. Highest water level 54.16 ft below lsd, December 16,1983; lowest 56.67 ft below lsd, June 8,1981. Records available: 1979-83. Water levels may be affected by pumping.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22, 1953	55.23	OCT 09, 1980	54.97	SEP 28, 1981	56.33	OCT 06, 1982	56.05
OCT 22, 1979	54.21	JUN 08, 1981	56.67	APR 14, 1982	55.61	DEC 16, 1983	54.16

Table 12. Surface-water appropriations greater than 10,000 gal/d

Name of appropriator	Appropriation: Permit no.	Appropriation: Average quantity (gal/d)	Basin	Source	1982-83 reported pumpage (gal): Daily average	1982-83 reported pumpage (gal): Yearly total
Perry Point V.A. Hospital	15-SAP-001	500,000	Susquehanna River	Weir	[1] 368,000	134,320,000
Maryland Sand & Gravel Co.	33-SAP-001	240,000	Mill Creek	Recycling pond	----	-------
Town of Elkton	66-SAP-005	1,000,000	Big Elk Creek	Weir	658,000	240,170,000
Spectron, Inc.	66-SAP-011	750,000	Little Elk Creek	Reservoir	722,500	263,712,500
Town of Perryville	69-SAP-041	12,000,000	Susquehanna River	Weir	307,000	112,055,000
Town of North East	76-SAP-092	250,000	Little Northeast Creek	Reservoir	[2] 333,000	121,545,000
Stancills Inc.	77-SAP-021	2,328,000	Principio Creek	Direct	304,500	111,142,500
Maryland Materials	77-SAP-027	110,000	Little Northeast Creek	Quarry Direct	[3] 131,000	47,815,000
MLJ Gravel & Realty Co., Inc.	81-SAP-012	27,500	Mill Creek	Direct	[4] 6,500	2,372,500

[1] Reported pumpage for 1983 only.
[2] Reported pumpage for July-December 1983 only.
[3] Reported pumpage for 1982 only.
[4] Reported pumpage for March-June 1982 and July-December 1983 only.

Table 13. Ground-water appropriations greater than 10,000 gal/d

Name of appropriator	Appropriation: Permit no.	Appropriation: Average quantity (gal/d)	State permit no.	USGS well no.	Geologic unit	1982-83 reported pumpage (gal): Daily average	1982-83 reported pumpage (gal): Yearly total
Carpenters Point Water Co.	CE-54-GAP-006	15,000	CE-01-5202	CE-CC 33	Potomac Group	[1]150	54,750
			CE-67-0343	CE-CC 62	do.	150	54,750
			CE-81-0339	CE-CC 63	do.	14,700	5,365,500
Thiokol Chemical Corp.	CE-57-GAP-003	35,000	CE-00-1910	CE-BE 28	Potomac Group	0	0
			CE-01-8877	CE-BE 56	do.	10,065	3,673,725
			CE-02-8003	--	do.	0	0
			CE-02-8004	--	do.	10,065	3,673,725
			CE-03-4146	--	do.	0	0
			CE-71-0164	--	do.	10,370	3,785,050
Meadowview Utilities, Inc.	CE-58-GAP-005	185,000	CE-02-9351	CE-BF 86	Patuxent Formation	62,500	22,812,500
			CE-73-1660	CE-BF 87	do.	62,500	22,812,500
			CE-03-2232	--	Potomac Group	0	0
Pirelli Cable Corp.	CE-60-GAP-011	48,000	CE-04-0481	--	Potomac Group	17,500	6,387,500
Elk Neck State Park	CE-60-GAP-013	20,000	CE-00-5756	CE-CD 43	Potomac Group	12,825	4,681,125
			CE-00-5757	CE-DD 2	do.	2,850	1,040,250
			CE-00-4275	CE-DD 49	do.	0	0
			CE-04-1165	CE-DD 68	do.	0	0
			CE-73-2457	CE-DD 77	do.	12,825	4,681,125
Pine Hills Water Supply	CE-61-GAP-002	45,000	CE-73-3908	CE-CE 57	Potomac Group	12,500	4,562,500
			CE-04-4723	CE-CE 58	do.	12,500	4,562,500
Town of Elkton	CE-61-GAP-007	800,000	CE-00-9835	CE-BF 15	Potomac Group	152,460	55,647,900
			CE-04-5556	CE-BF 59	do.	152,460	55,647,900
			CE-73-3244	CE-BF 64	do.	157,080	57,334,200
Morning Cheer, Inc.	CE-62-GAP-001	16,000	CE-00-7301	CE-CD 3	Potomac Group	0	0
			CE-04-3973	CE-CD 5	do.	0	0
			CE-00-1966	CE-CD 6	do.	0	0
			CE-04-5964	CE-CD 66	do.	0	0
			CE-73-3229	CE-CD 67	do.	4,500	1,642,500
Highlands Park	CE-63-GAP-002	12,000	CE-73-1763	CE-BC 72	Port Deposit Gneiss	[2]11,880	4,336,200
			CE-05-1217	--	do.	1,200	438,000
Maple Hill Mobile Home Park	CE-64-GAP-003	17,000	CE-05-6740	CE-BB 42	Potomac Group	62,500	22,812,500
			CE-72-0222	CE-BB 43	do.	62,500	22,812,500
Bay Country Estates	CE-66-GAP-011	18,000	CE-66-0196	CE-BC 89	Gilpins Falls member of the James Run Formation	[3]6,930	2,529,450
			CE-69-0306	CE-BC 90		6,930	2,529,450
			CE-81-0015	CE-BC 91	do.	7,140	2,602,450
Chestnut Point Marina	CE-66-GAP-020	15,000	CE-68-0190	CE-CC 55	Potomac Group	[3]300	109,500
			CE-71-0069	CE-CC 56	do.	200	71,200
			CE-73-2957	CE-CC 57	do.	500	182,500
			CE-66-0507	--	do.	0	0
Town and Country Mobile Home Park	CE-66-GAP-025	33,000	CE-66-0539	--	Potomac Group	3,465	1,264,725
			CE-66-0547	--	do.	3,465	1,264,725
			CE-73-1092	--	do.	3,570	1,303,050
Ceco Utilities, Inc.	CE-67-GAP-011	45,000	CE-05-4770	--	Port Deposit Gneiss	4,375	1,596,875
			CE-71-0036	--	do.	4,375	1,596,875
			CE-73-3532	--	do.	4,375	1,596,875
			CE-73-3555	--	do.	4,375	1,596,875
Stoney Chase Trailer Court	CE-69-GAP-001	16,000	CE-71-0229	CE-BD 120	Gilpins Falls member of the James Run Formation	3,960	1,445,400
			CE-73-1009	CE-BD 121		4,080	1,489,200
			CE-69-0035	CE-BD 122	do.	3,960	1,445,400
			CE-70-0253	CE-BD 123	do.	0	0
			CE-69-0326	CE-BD 125	do.	0	0
Crystal Beach Manor	CE-69-GAP-014	15,000	CE-02-7329	CE-DD 92	Potomac Group	16,625	6,068,125
			CE-69-0291	CE-DD 93	do.	0	0
			CE-73-0926	CE-DD 94	do.	875	319,375
			CE-73-0989	--	do.	0	0

Table 13. Ground-water appropriations greater than 10,000 gal/d—Continued

Name of appropriator	Appropriation: Permit no.	Appropriation: Average quantity (gal/d)	State permit no.	USGS well no.	Geologic unit	1982-83 reported pumpage (gal): Daily average	1982-83 reported pumpage (gal): Yearly total
Pinder, Harry	CE-70-GAP-003	19,600	CE-73-1638	--	Potomac Group	-----	-------
Conowingo Mobile Home Court	CE-71-GAP-003	18,000	CE-71-0046	CE-AA 33	Gabbro unit of the Baltimore complex	[2]3,250	1,186,250
			CE-71-0047	CE-AA 34		3,250	1,186,250
			CE-71-0029	CE-AA 35	do.	3,250	1,186,250
			CE-73-2978	CE-AA 36	do.	3,250	1,186,250
Cecil Community College	CE-71-GAP-015	11,000	CE-71-0154	CE-BD 104	Gilpins Falls member of the James Run Formation	-----	------
			CE-73-2682	CE-BD 105		-----	------
			CE-73-3565	CE-BD 106	do.	-----	------
			CE-73-1507	--	do.	-----	------
Sea & Forest Enterprises	CE-71-GAP-024	20,000	CE-71-0290	--	Patapsco	-----	------
			--	--	do.	-----	------
			--	--	do.	-----	------
Town of Cecilton	CE-72-GAP-004	40,000	CE-01-1551	CE-EE 11	Magothy	14,250	5,201,250
			CE-72-0111	CE-EE 45	do.	14,250	5,201,250
W. L. Gore & Associates, Inc.	CE-72-GAP-010	10,000	CE-73-2923	CE-AE 60	Gneiss (misc)	-----	------
			CE-72-0386	CE-AE 61	do.	-----	------
Town of Rising Sun	CE-73-GAP-012	130,000	--	CE-AC 37	Gabbro unit of the Baltimore complex	19,975	7,290,875
			--	CE-AC 38		19,975	7,290,875
			--	CE-AC 39	do.	0	0
			--	CE-AC 40	do.	19,975	7,290,875
			CE-66-0034	CE-AC 96	do.	18,800	6,862,000
			CE-66-0035	CE-AC 97	do.	18,800	6,862,000
			--	CE-AC 98	Boulder Gneiss	19,975	7,290,875
			--	CE-AC 99	do.	0	0
Woodlawn Mobile Estates	CE-74-GAP-010	22,200	CE-00-8498	CE-BC 3	Port Deposit Gneiss	1,800	657,000
			CE-73-0731	CE-BC 84	do.	2,700	985,500
			CE-73-2988	CE-BC 86	do.	4,050	1,478,250
			--	--	do.	450	164,250
Buttonwood Beach Camp	CE-74-GAP-017	60,000	CE-73-0774	CE-DD 84	Potomac Group	8,750	3,193,750
			CE-03-0759	CE-DD 86	do.	8,750	3,193,750
Highlands Water Supply	CE-74-GAP-018	18,000	CE-73-0736	CE-AF 27	Gneiss (misc)	9,350	3,412,750
			CE-73-0963	CE-AF 28	do.	9,075	3,312,375
			CE-73-1118	CE-AF 29	do.	9,075	3,312,375
			CE-73-0468	--	do.	0	0
Union Oil of California	CE-75-GAP-008	20,000	CE-73-0186	CE-BF 120	Serpentinite - Gabbro	8,250	3,011,250
			CE-73-1153	CE-BF 121	do.	8,250	3,011,250
Harbour View, Inc.	CE-76-GAP-005	60,000	CE-73-2280	CE-CE 52	Potomac Group	2,000	730,000
			CE-73-2410	CE-CE 61	do.	2,000	730,000
Town of Chesapeake City	CE-79-GAP-018	170,000	CE-03-3027	CE-CF 50	Potomac Group	0	0
			CE-03-2717	CE-CF 51	do.	68,000	24,820,000
			CE-73-3192	CE-CF 52	do.	68,000	24,820,000
Spectron, Inc.	CE-83-GAP-001	21,600	[4]	--	Lower James Run Formation	[5]1,000	365,000

1 Reported pumpage for 1982 and January-June 1983.
2 Reported pumpage for July-December 1983 only.
3 Reported pumpage for 1982 only.
4 Appropriation is for a cluster of wells.
5 Reported pumpage for August-December 1983 only. This figure shows total pumpage from all wells.

GEOPHYSICAL LOGS OF SELECTED WELLS

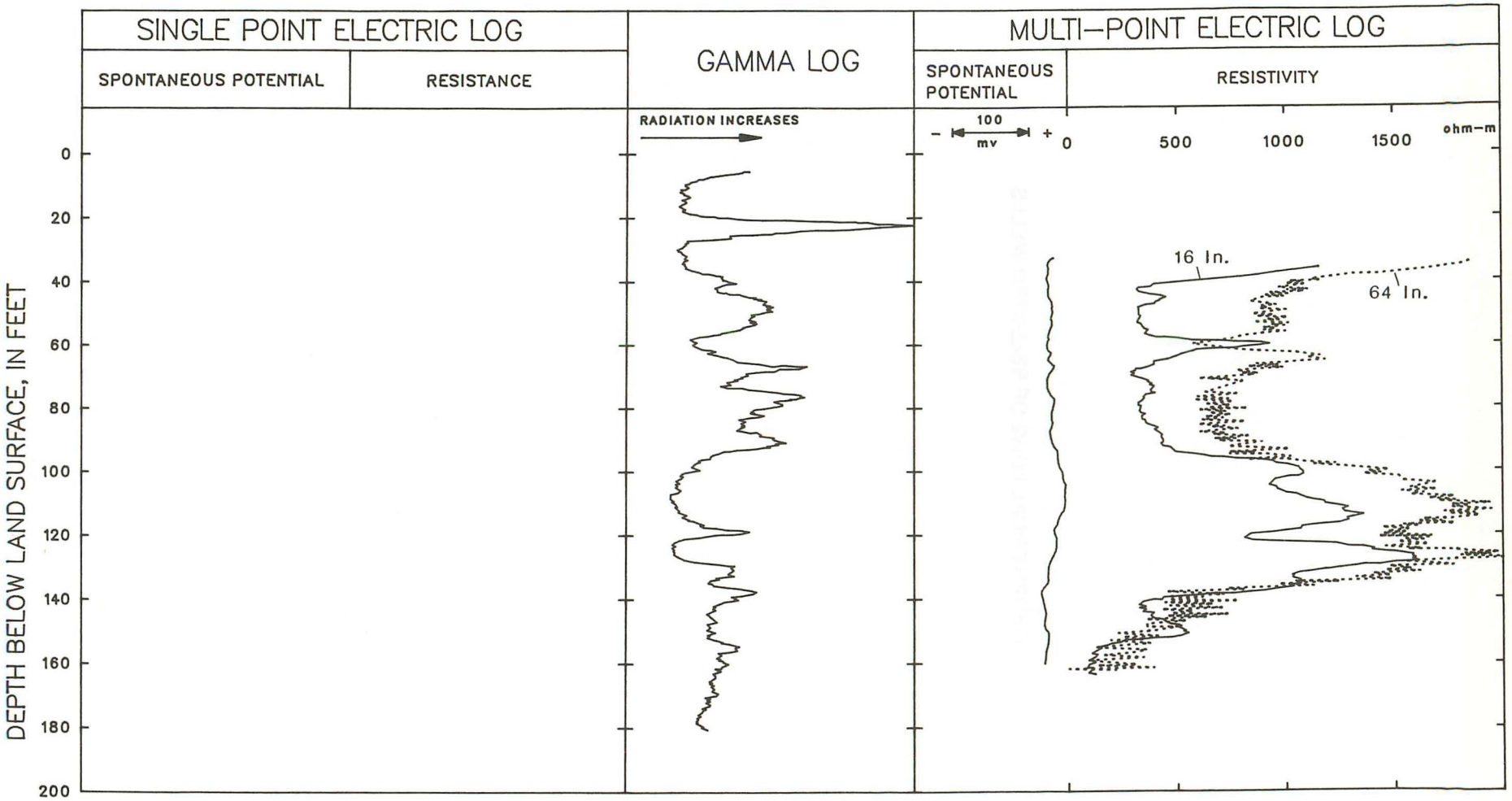


Figure 3. Geophysical logs of selected wells.

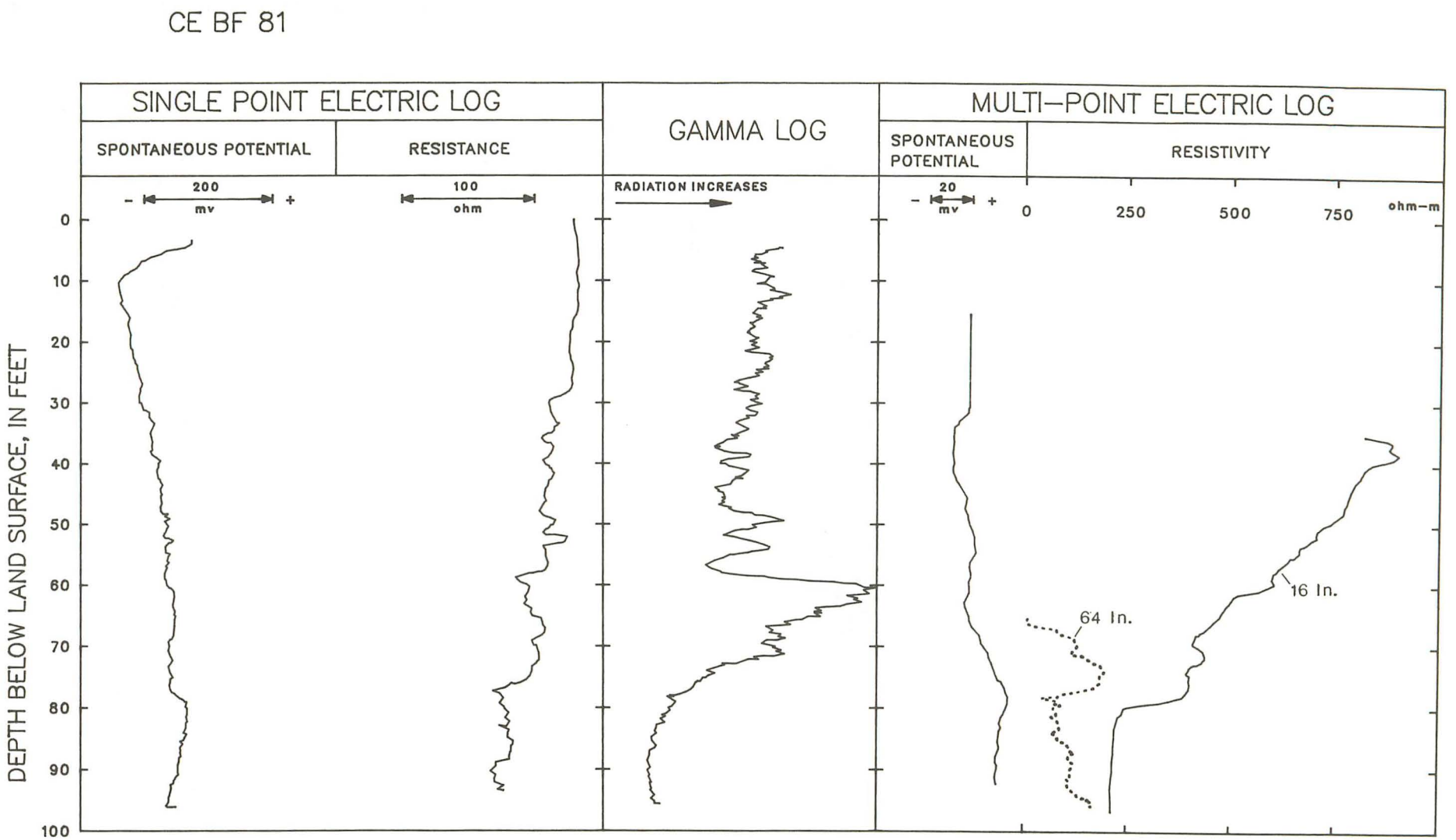


Figure 3. Geophysical logs of selected wells.

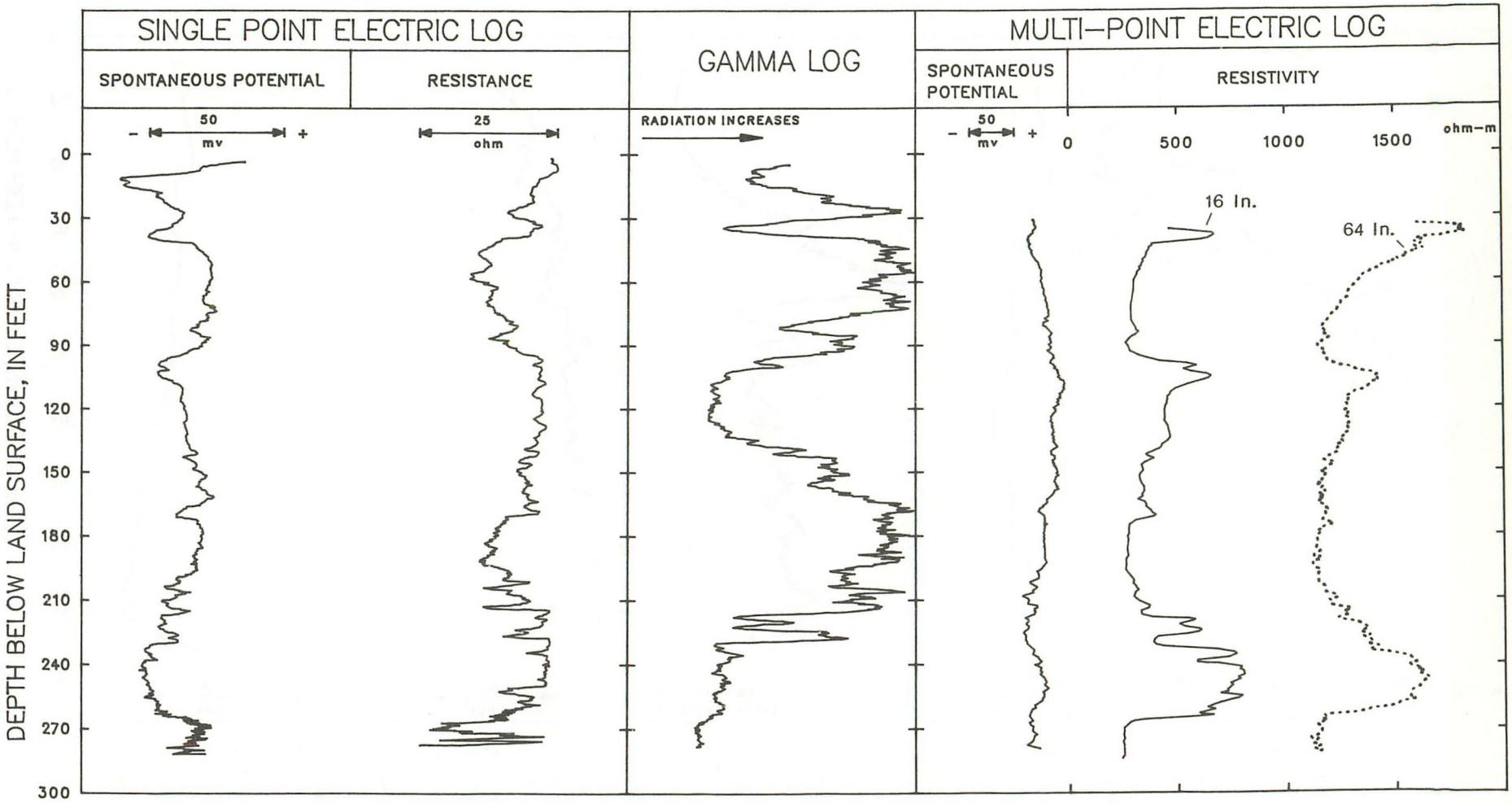


Figure 3. Geophysical logs of selected wells.

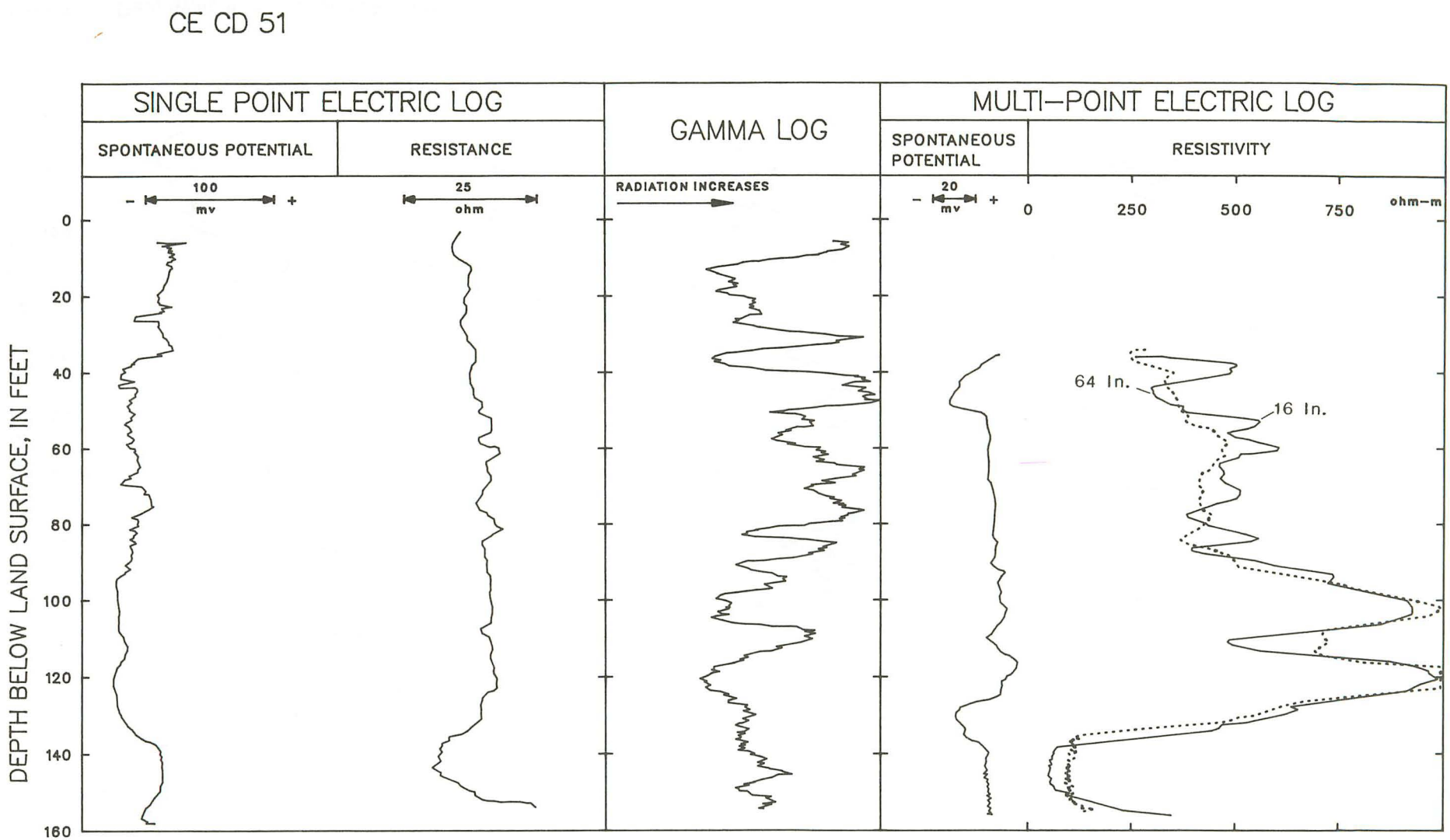


Figure 3. Geophysical logs of selected wells.

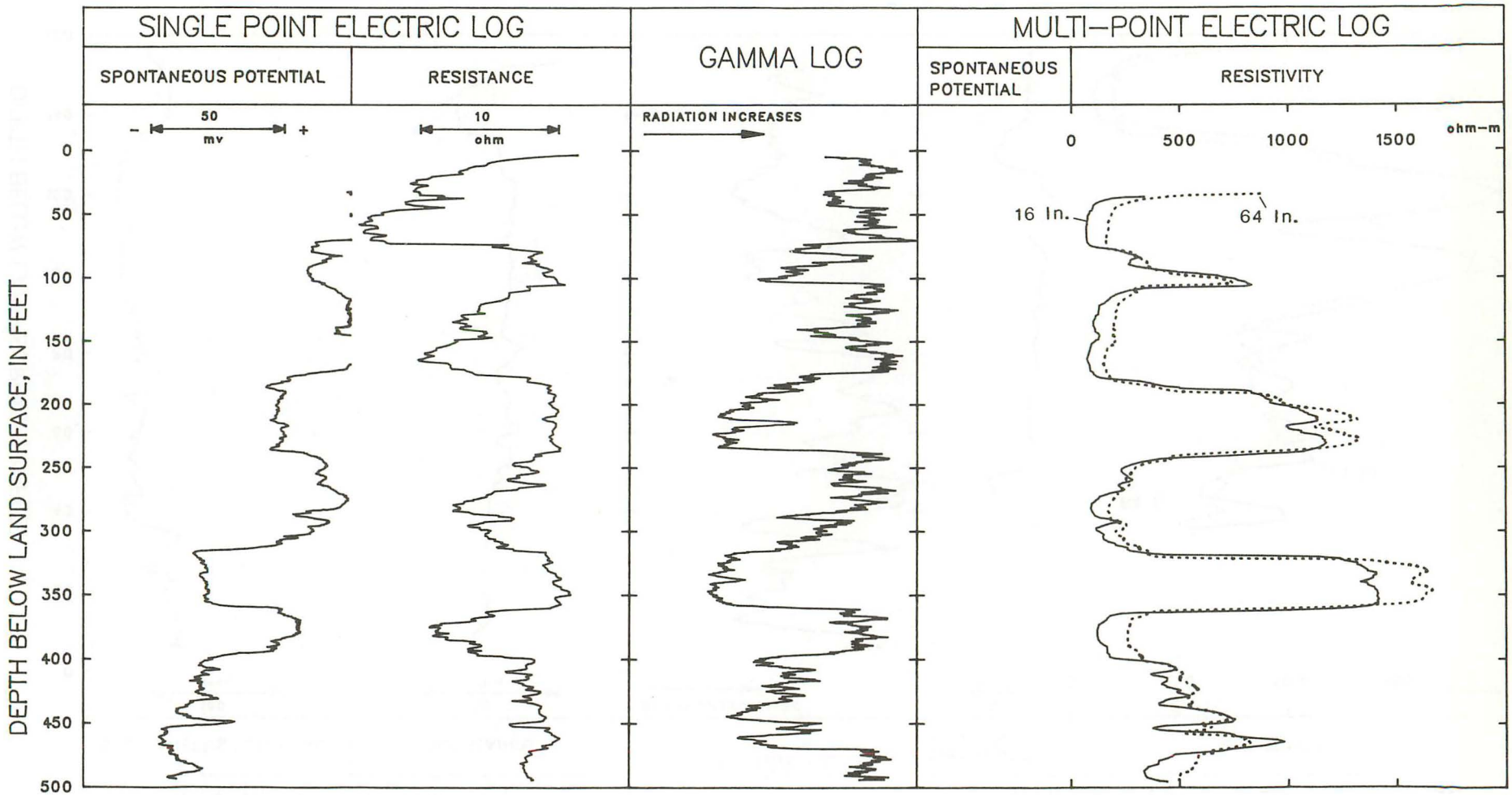


Figure 3. Geophysical logs of selected wells.

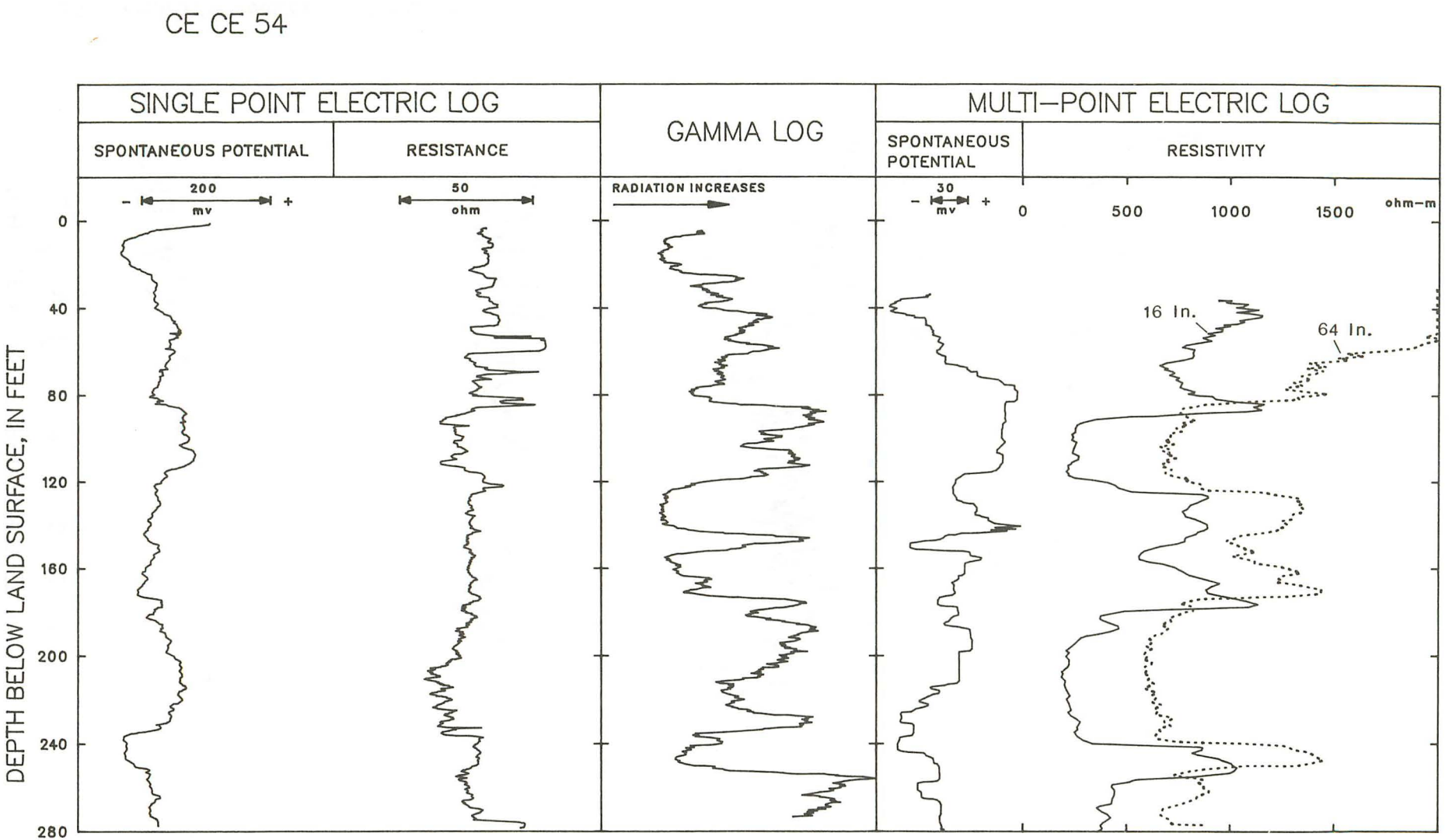


Figure 3. Geophysical logs of selected wells.

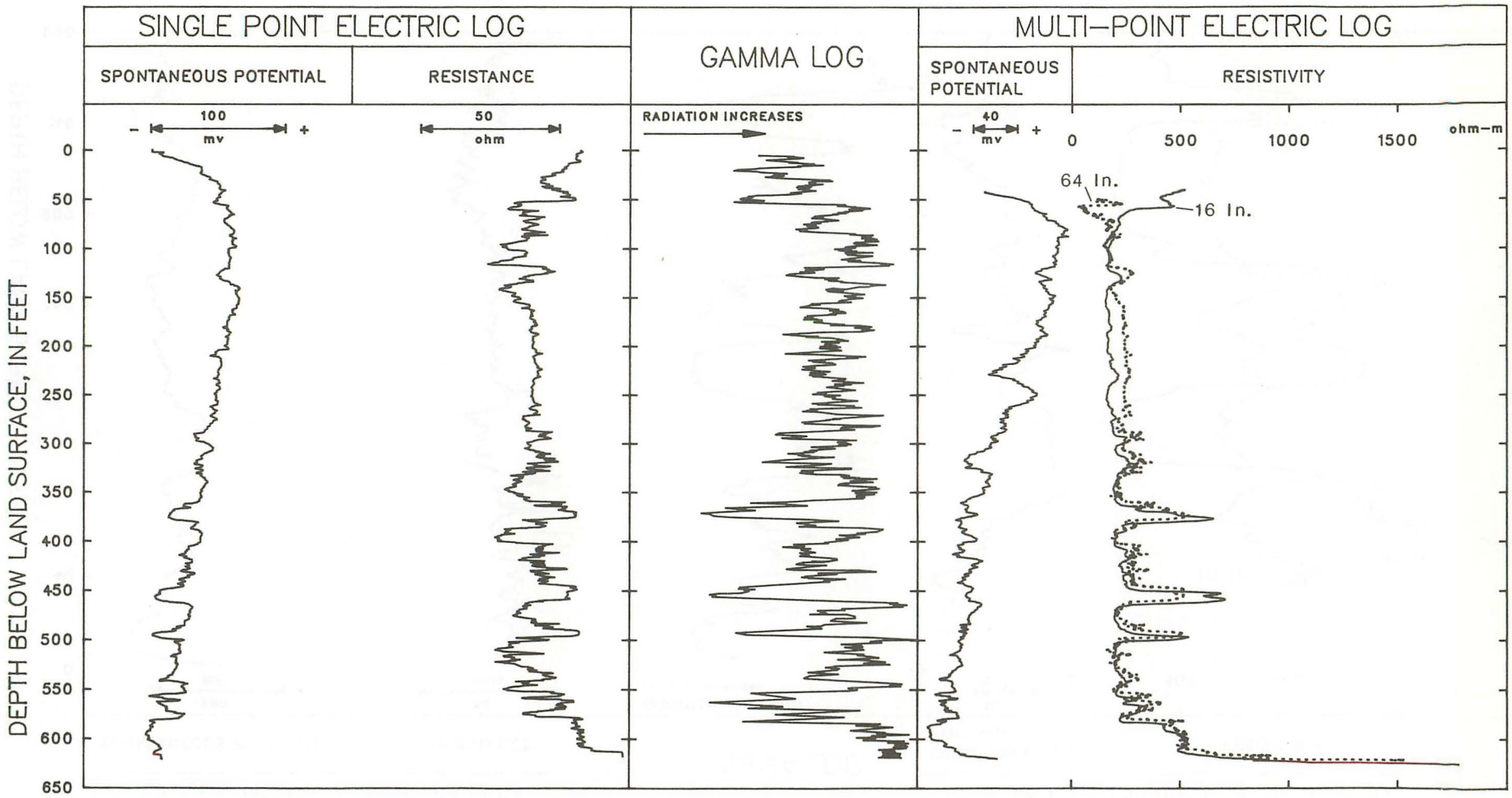


Figure 3. Geophysical logs of selected wells.

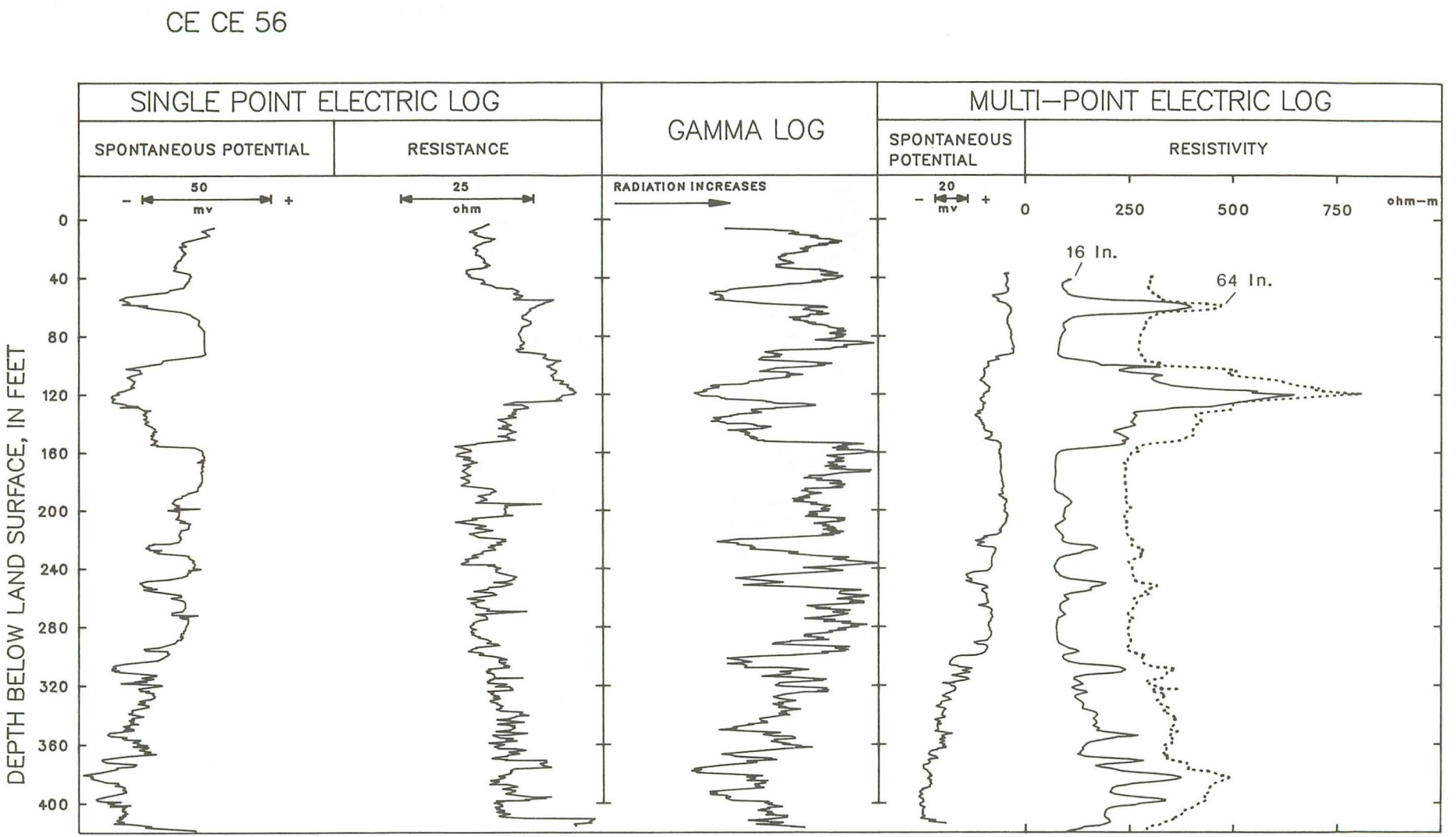


Figure 3. Geophysical logs of selected wells.

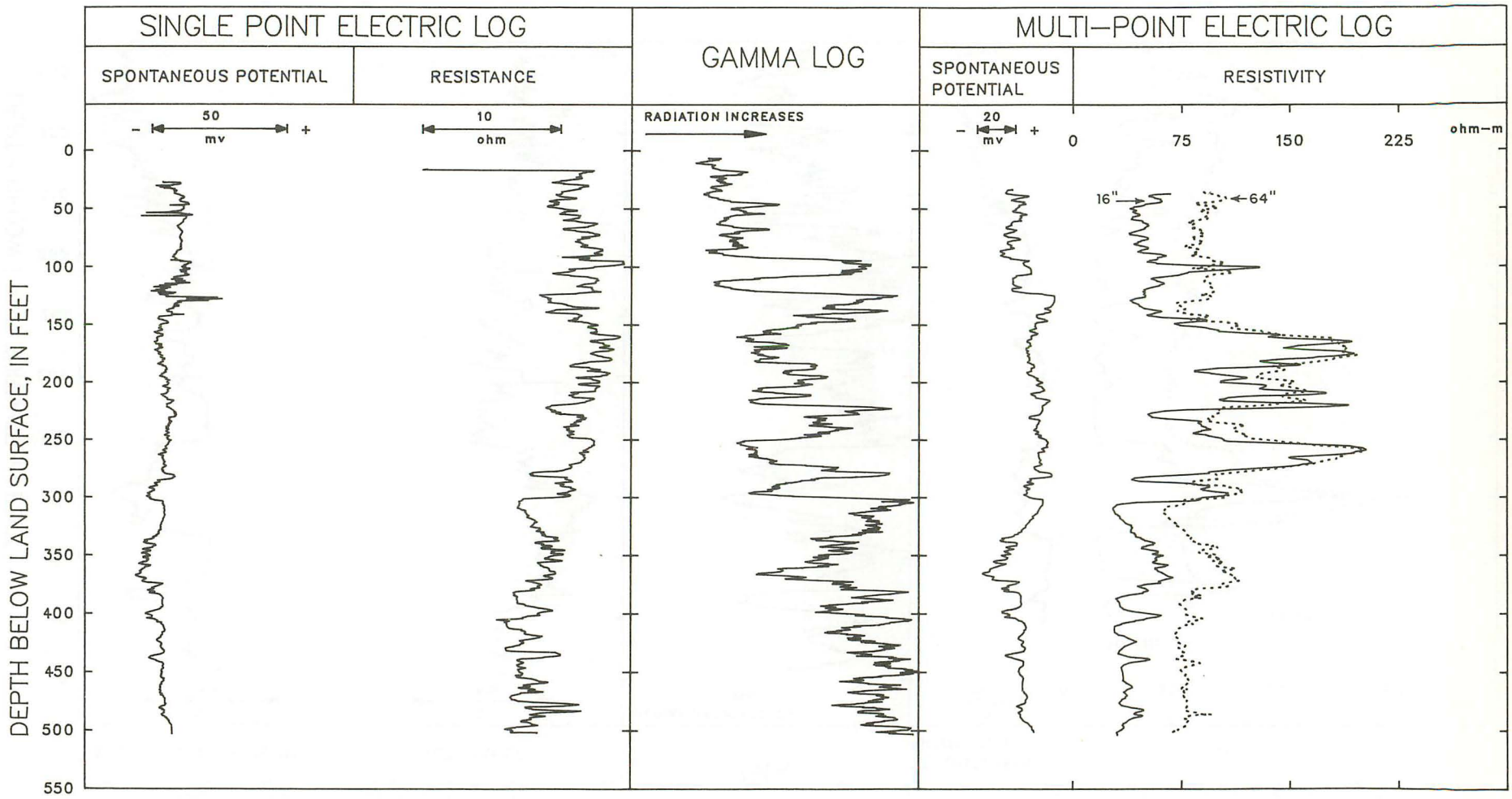


Figure 3. Geophysical logs of selected wells.

MAPS SHOWING LOCATIONS OF WELLS, BORINGS, SPRINGS, AND SURFACE-WATER SITES

MAP SYMBOLS

5 Well or test boring with site number

10 Spring with site number

Surface-Water Sites

Continuous streamflow record and chemical quality data site.

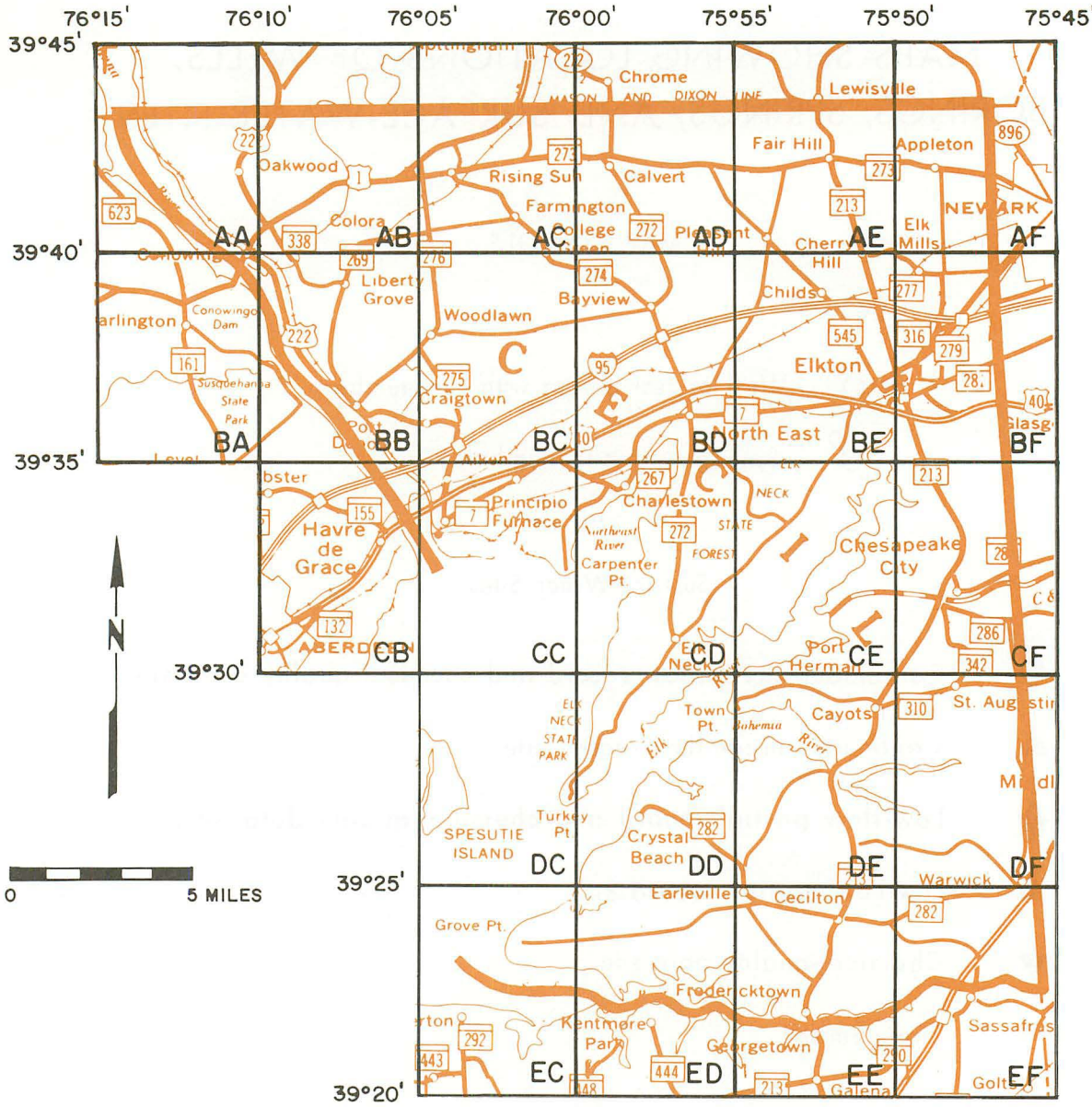
Continuous streamflow record site.

Low-flow partial record and chemical-quality data site.

Low-flow partial record site.

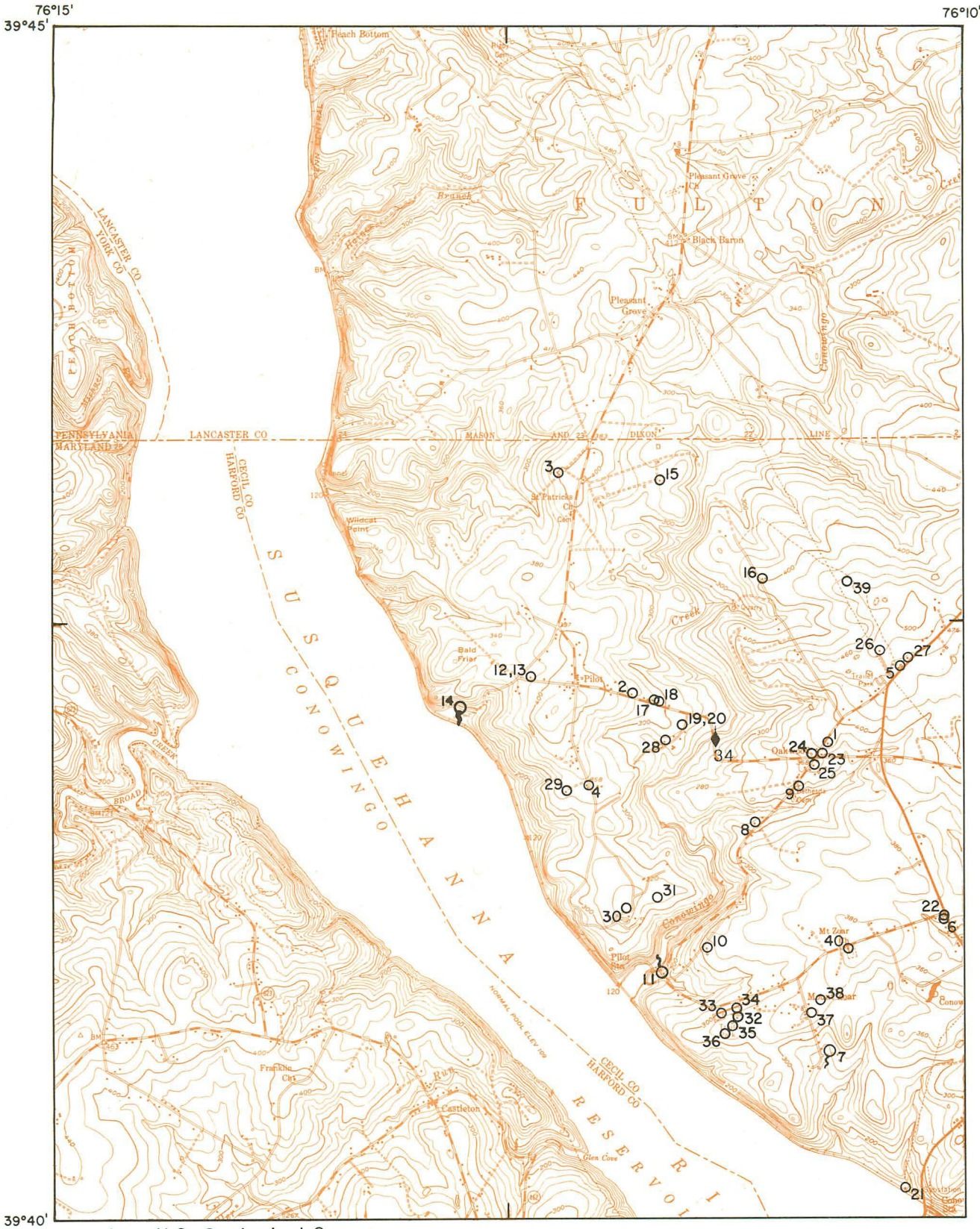
Chemical-quality data site.

41 Site number



Base from Maryland Department of Transportation, 1:380,160, 1975

Figure 4. Index map of 5-minute quadrangles.



Base from U.S. Geological Survey, 1:24,000 Quadrangles

AA

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey, 1:24,000 Quadrangles

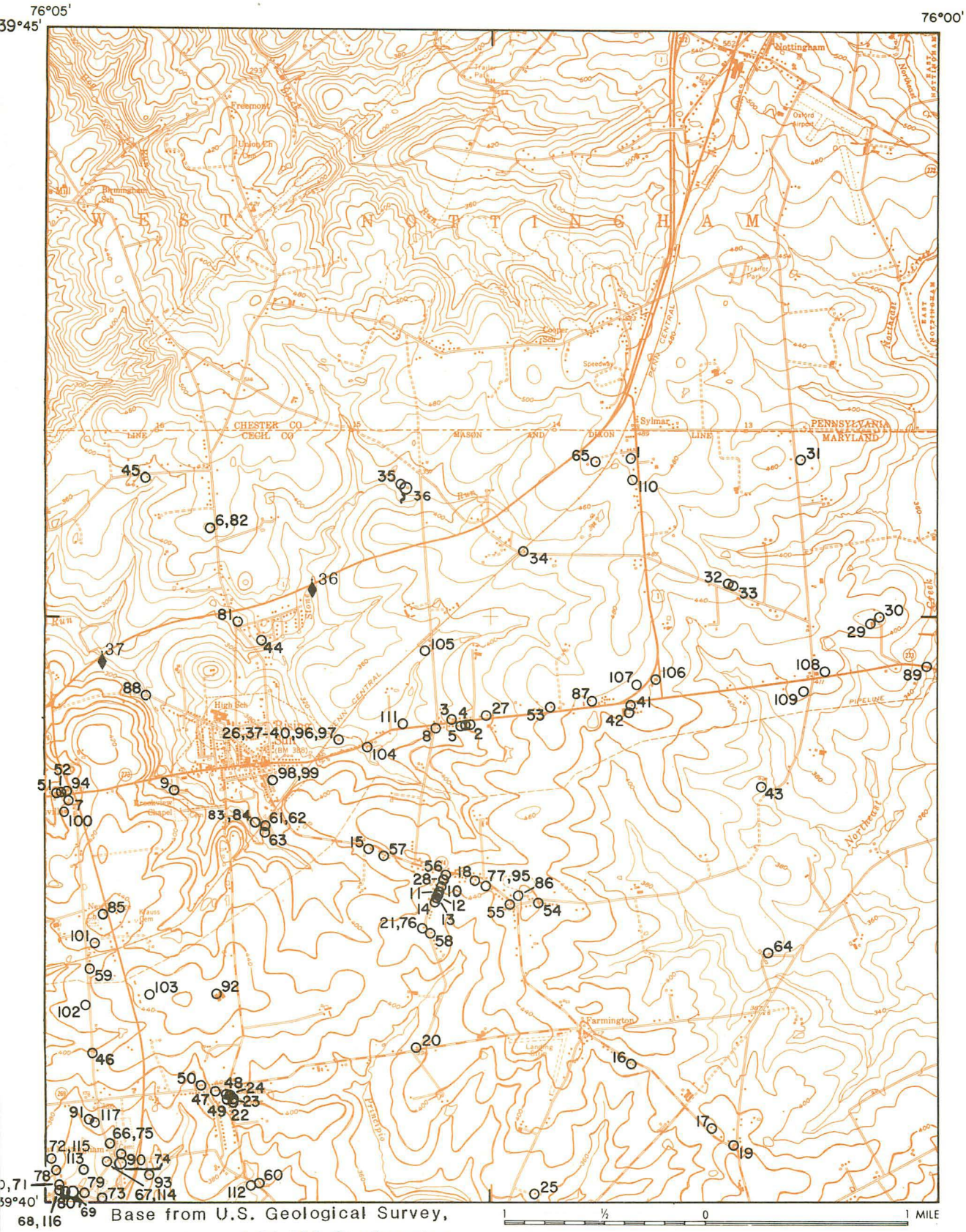
AB

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

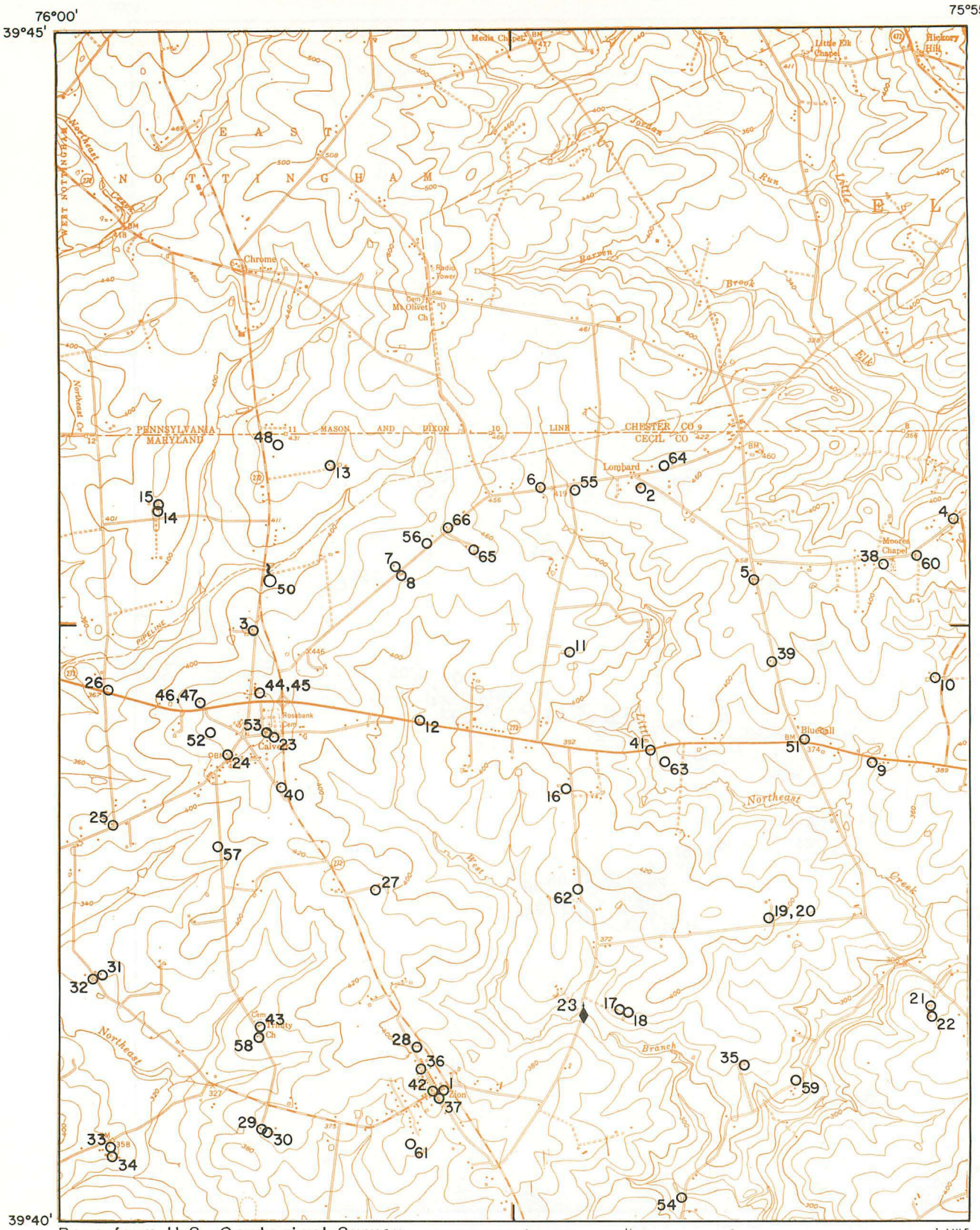
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

AC



Base from U.S. Geological Survey, 1:24,000 Quadrangles

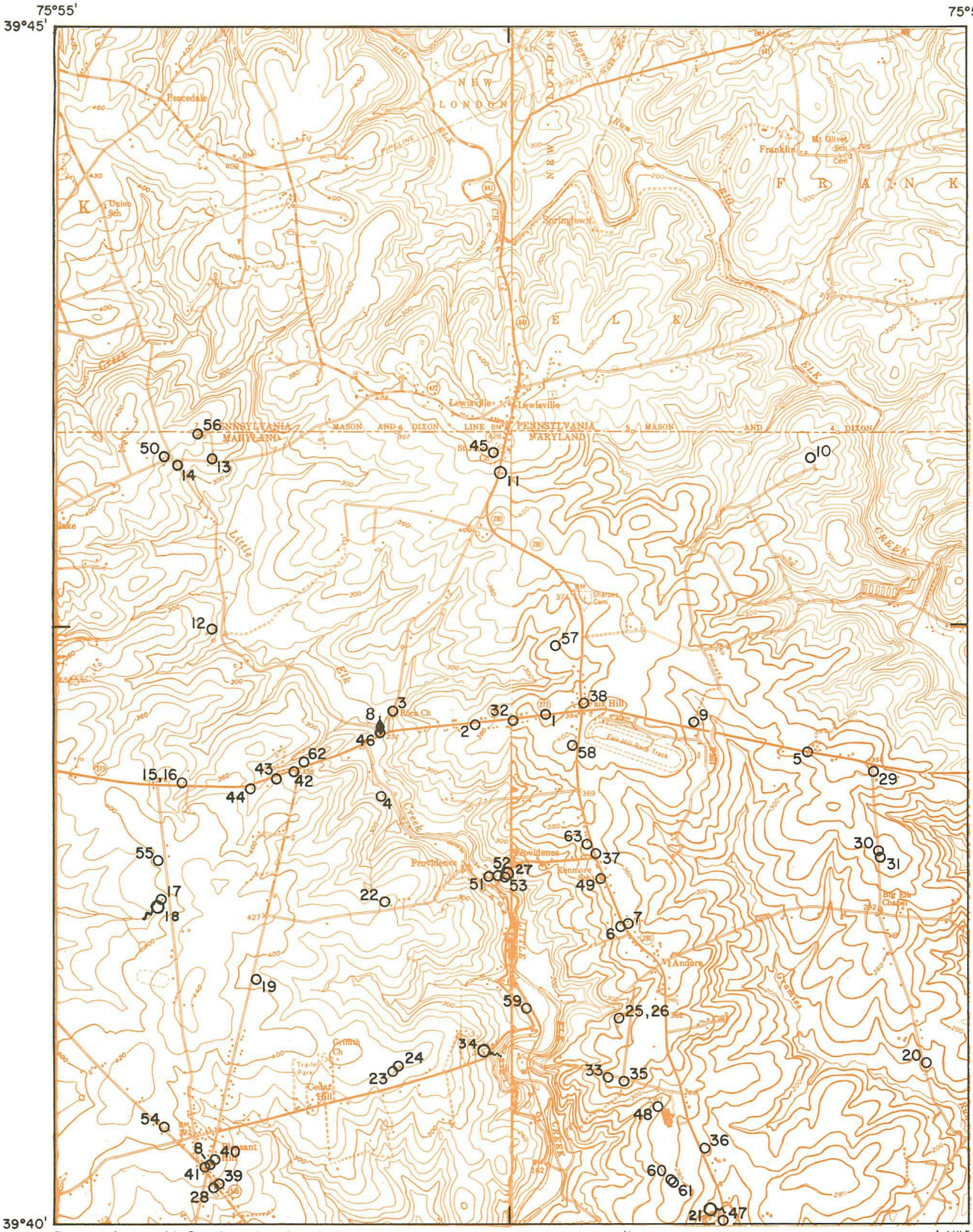
AD

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey,
1:24,000 Quadrangles

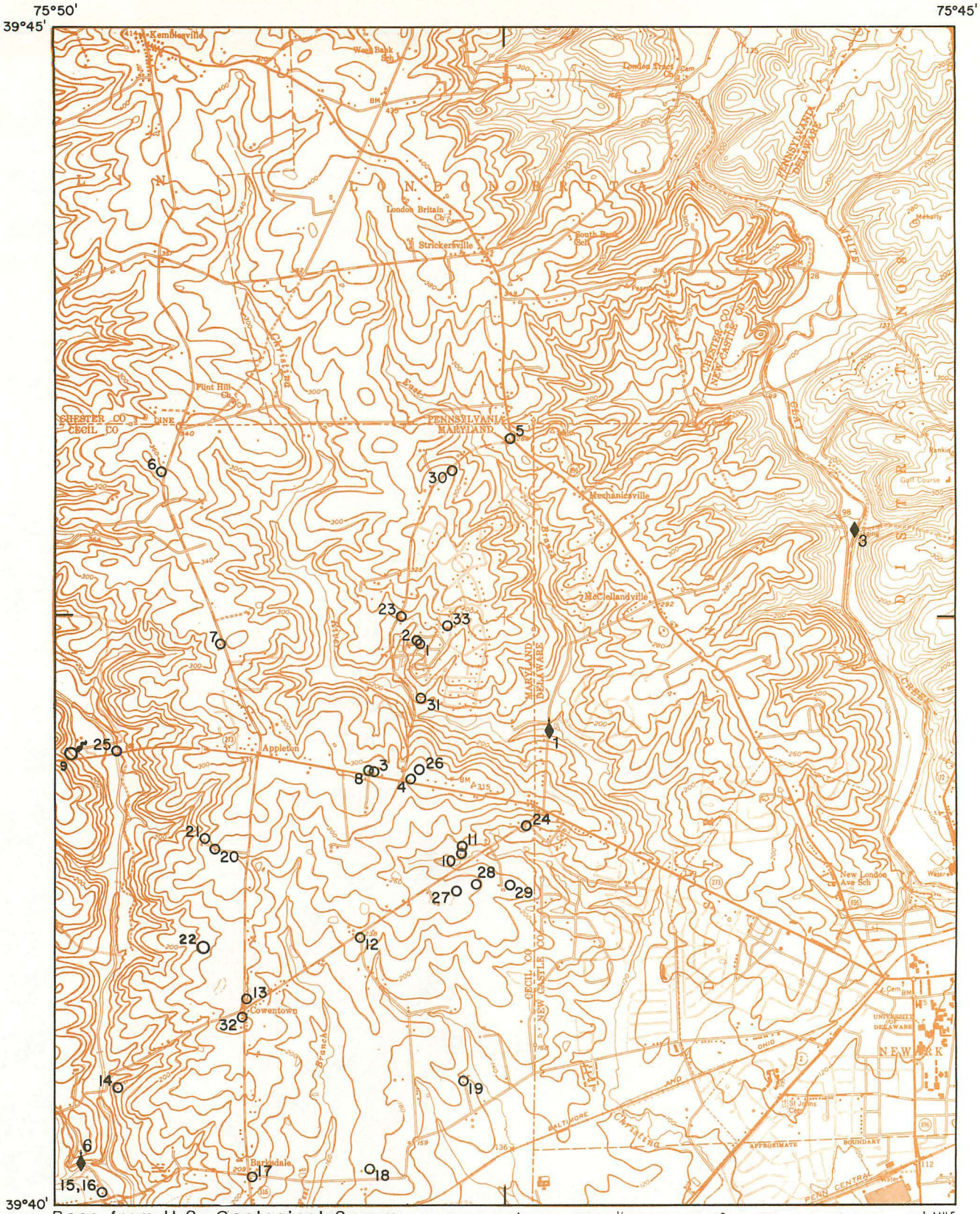
AE

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

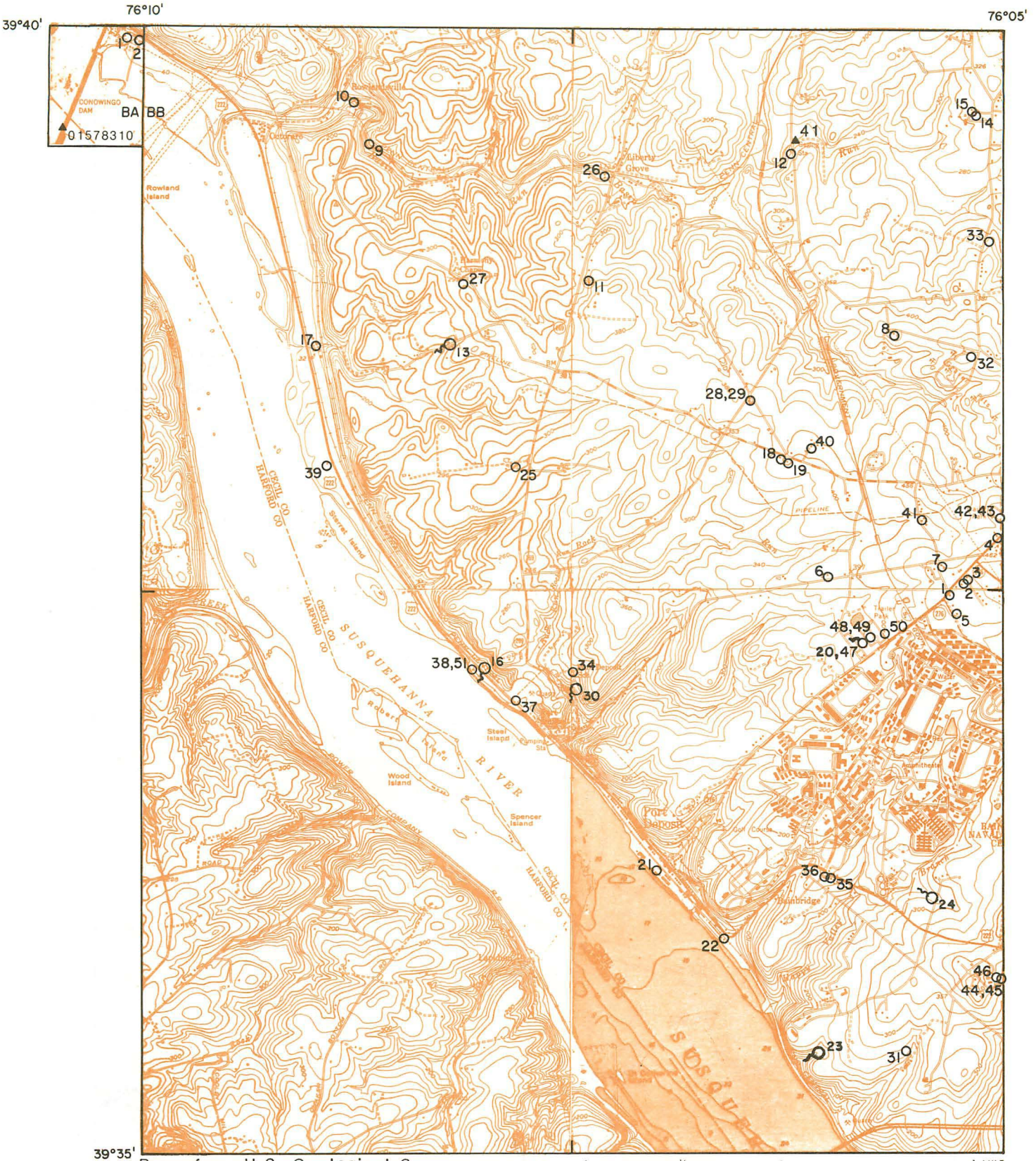
AF

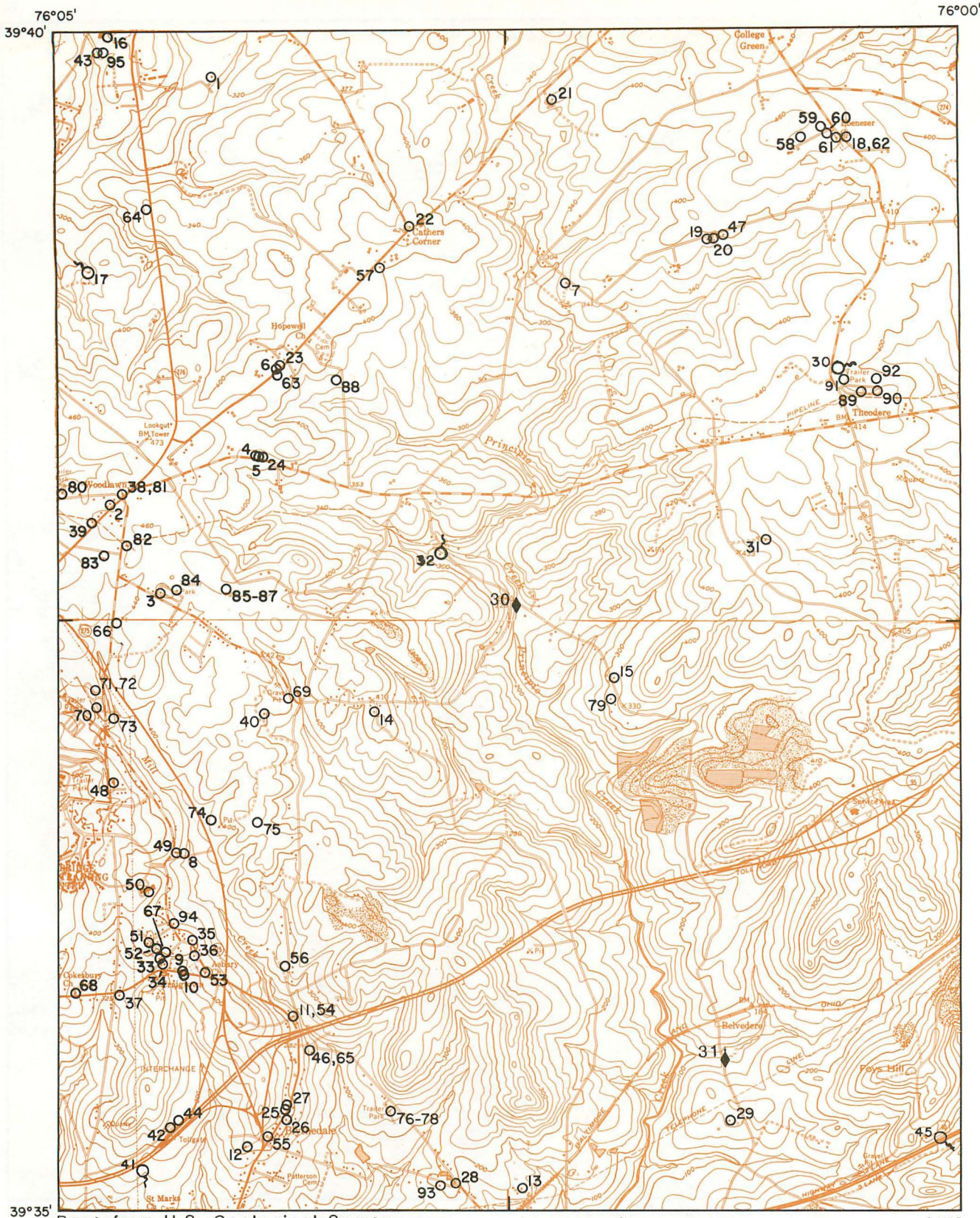
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929


39°40'
76°10'
76°05'
39°35'
CONOWINGO DAM
BA
BB
01578310
Rowland Island
Steared Island
Wood Island
Spencer Island
Steel Island
Port Deposit
Liberty Grove
Rock Run
SUSQUEHANNA RIVER
CECIL CO
HARFORD CO
PIPELINE
Base from U.S. Geological Survey,
1:24,000 Quadrangles
BA & BB
1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

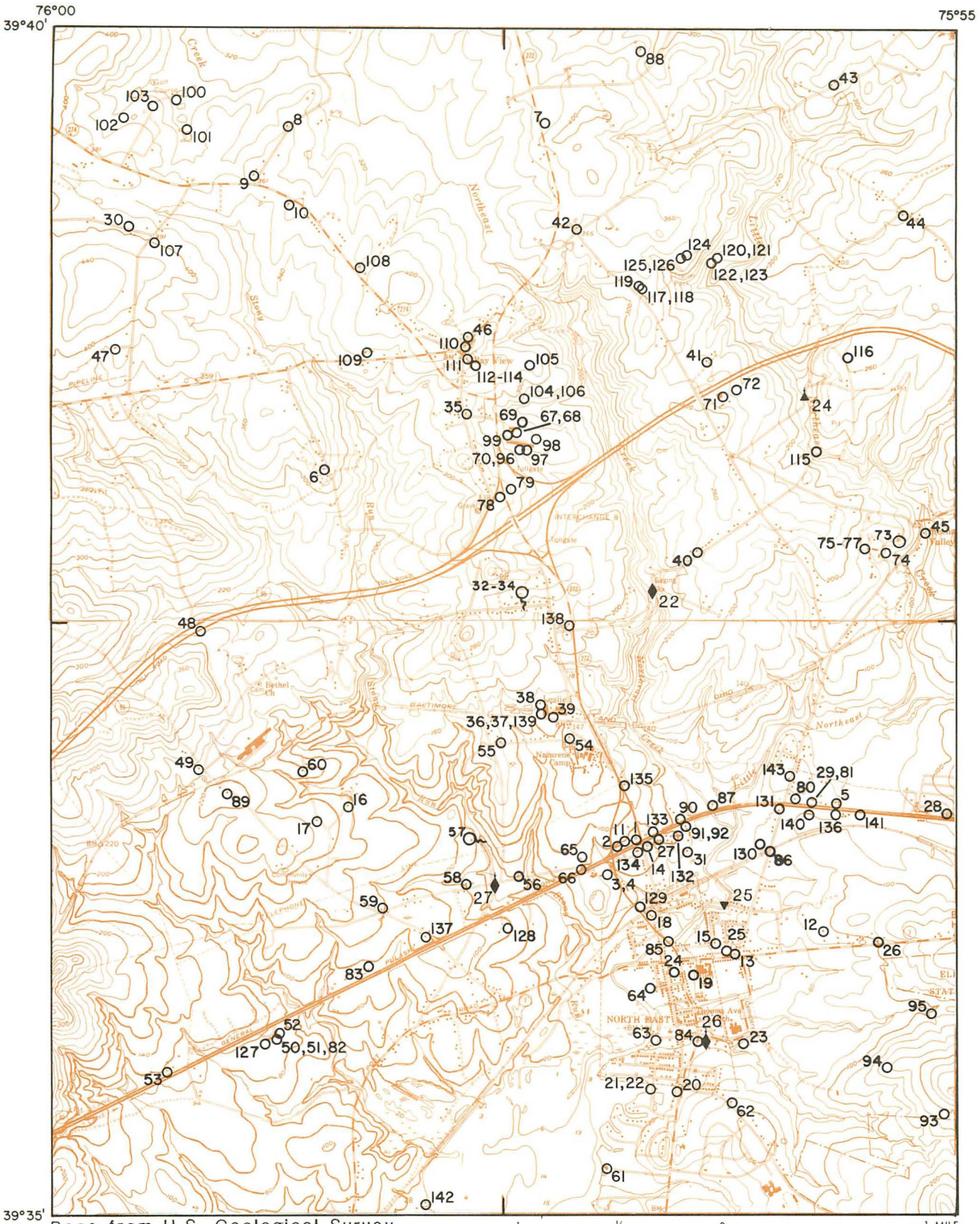
BC

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey,
1:24,000 Quadrangles

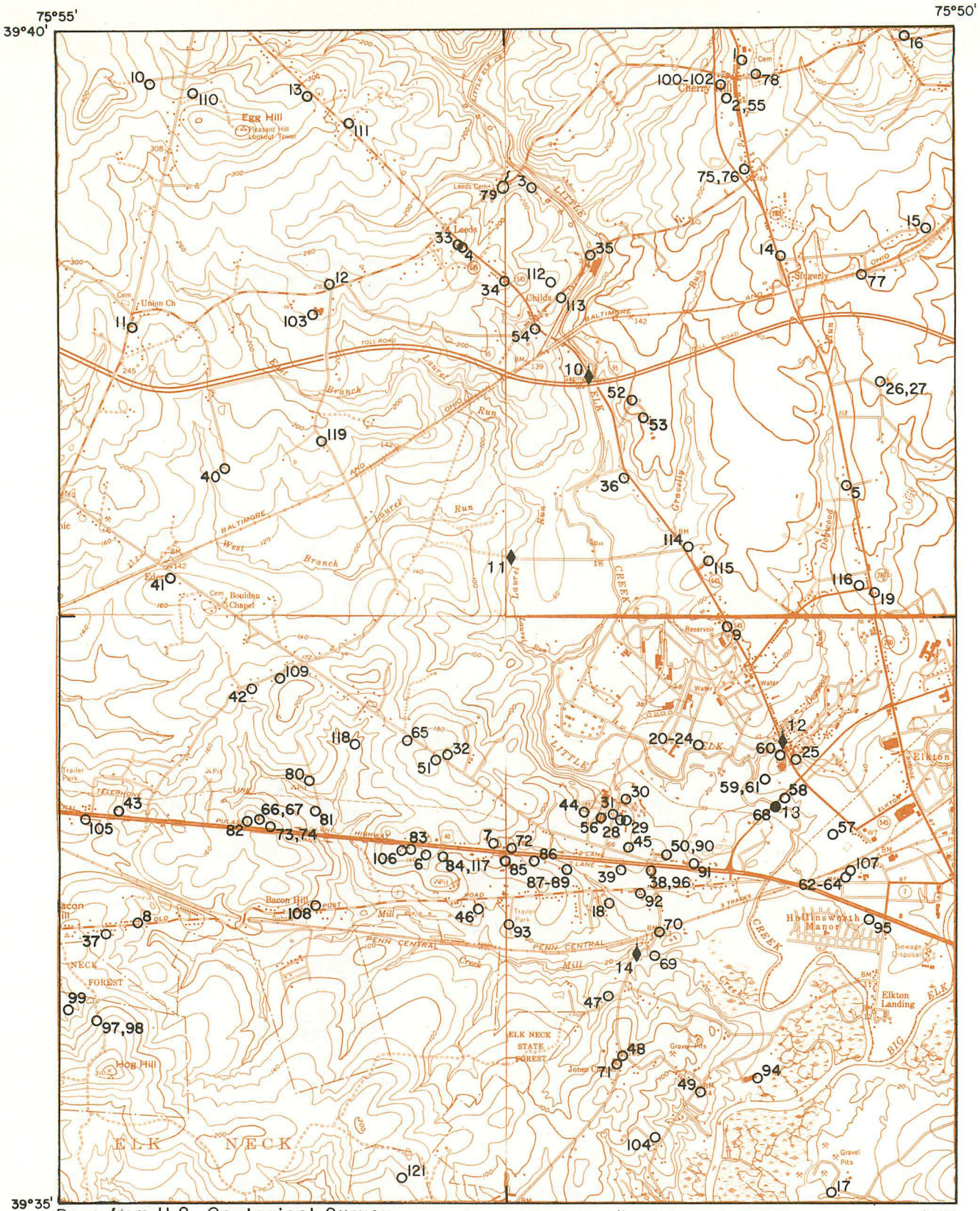
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

BD



Base from U.S. Geological Survey, 1:24,000 Quadrangles

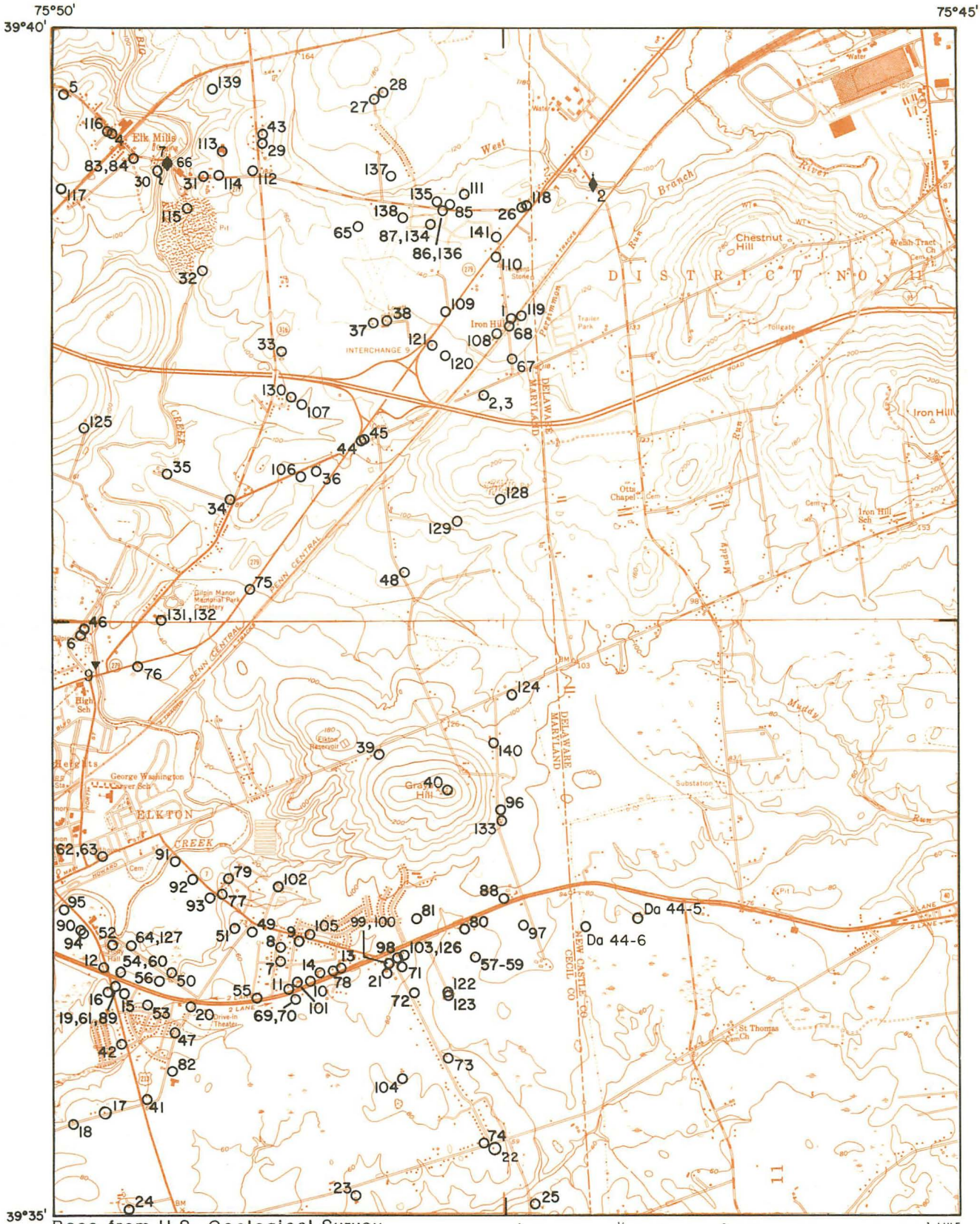
BE

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

BF

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey, 1:24,000 Quadrangles

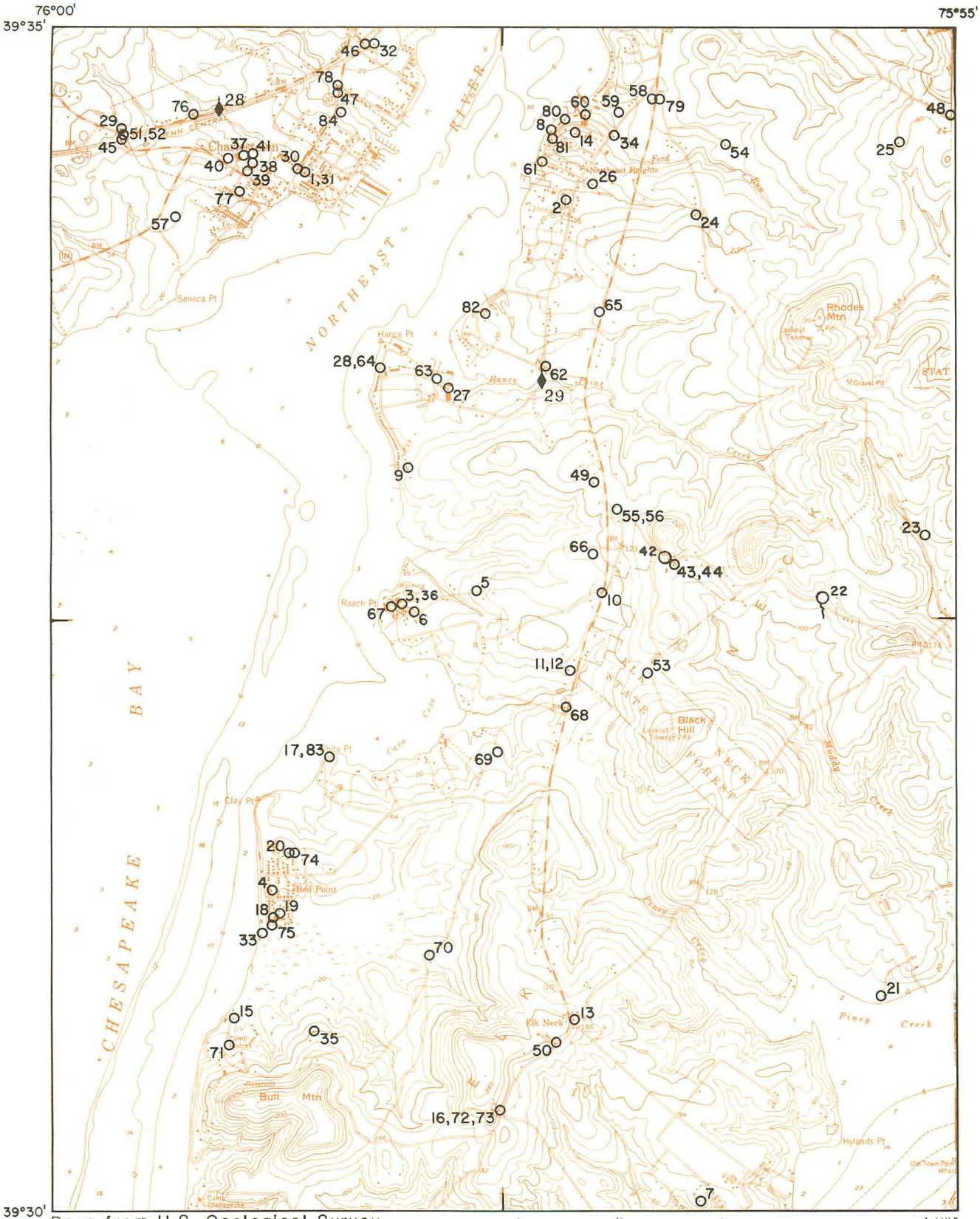
CB & CC

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

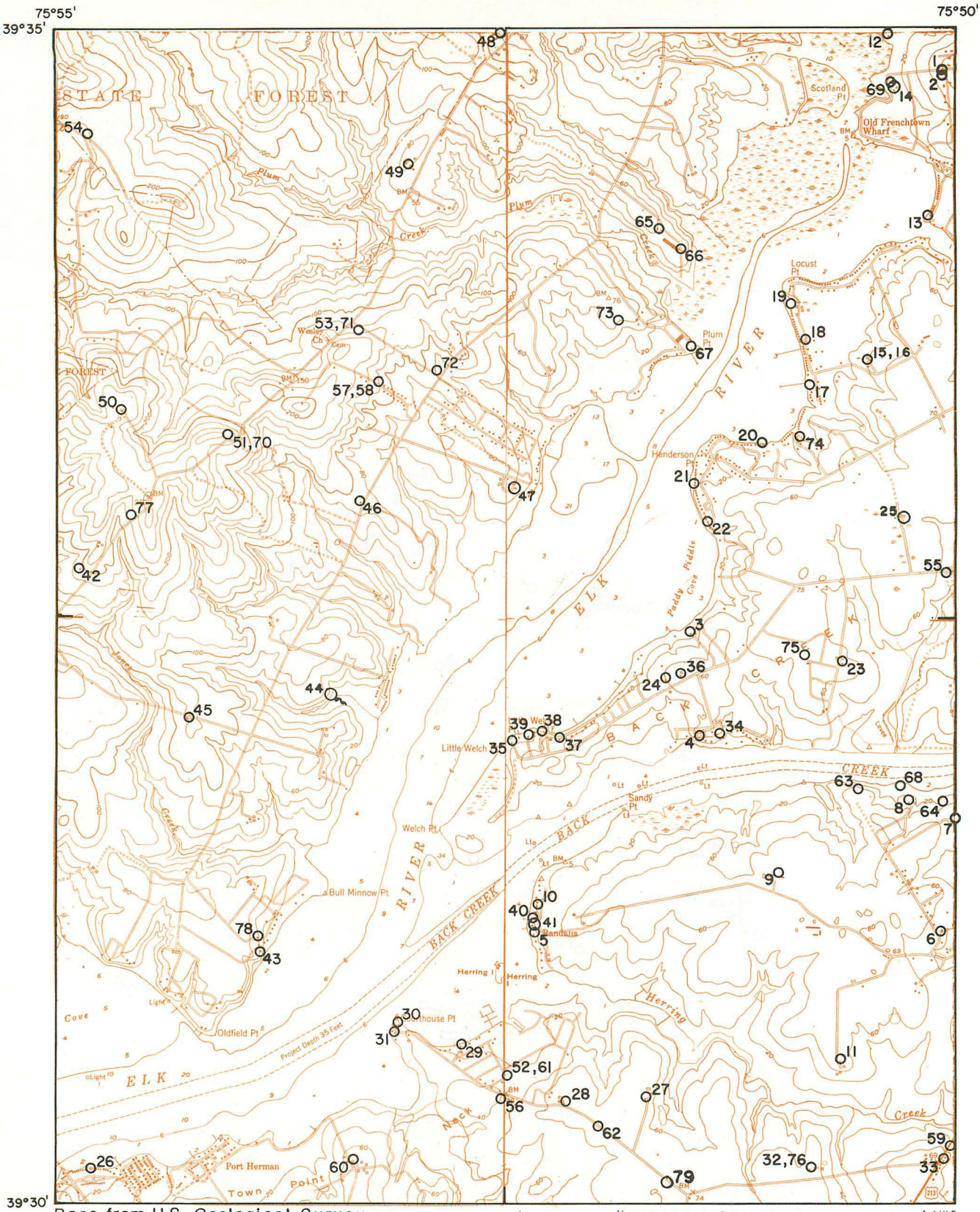
CD

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

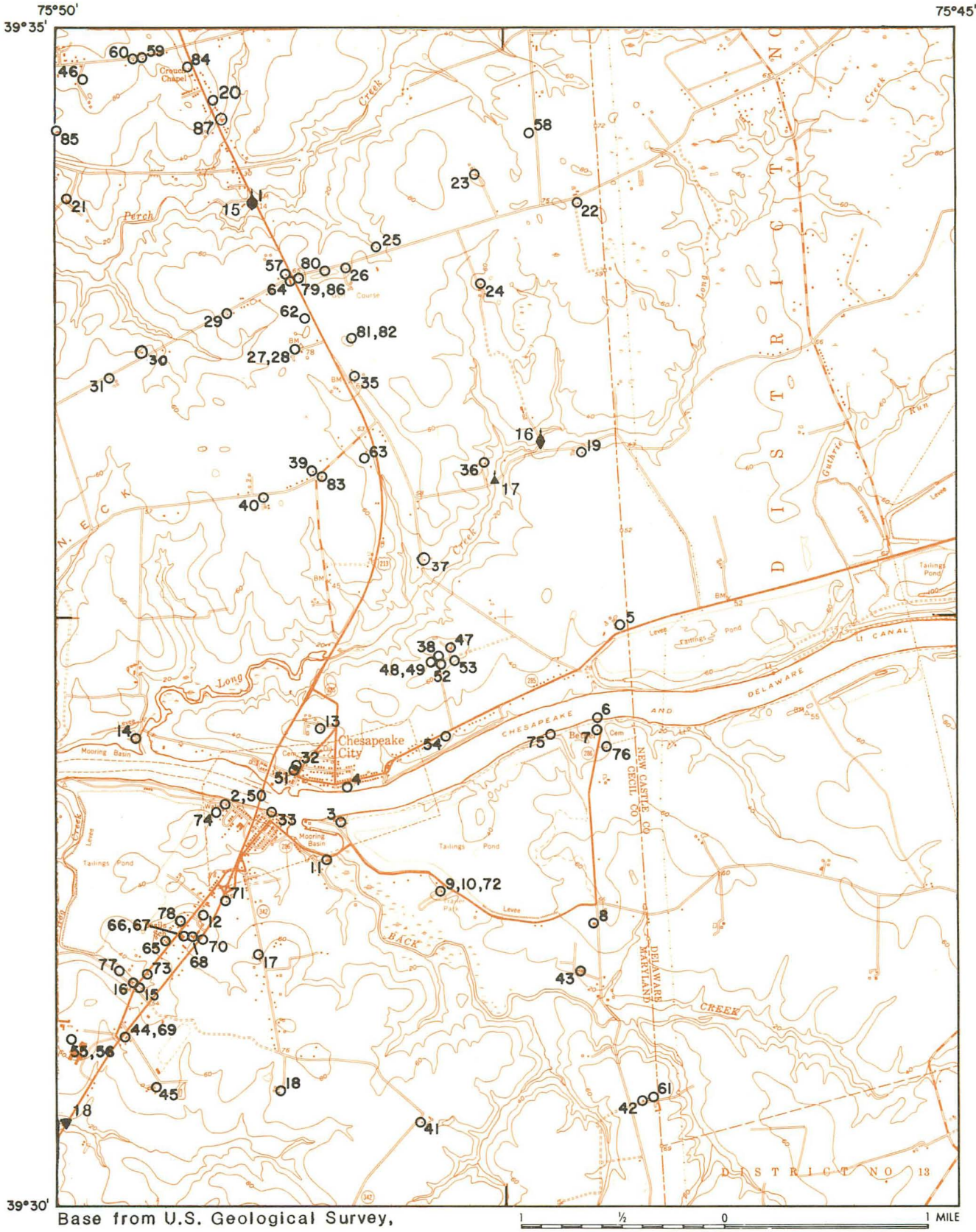
CE

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

CF

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

Base from U.S. Geological Survey, 1:24,000 Quadrangles

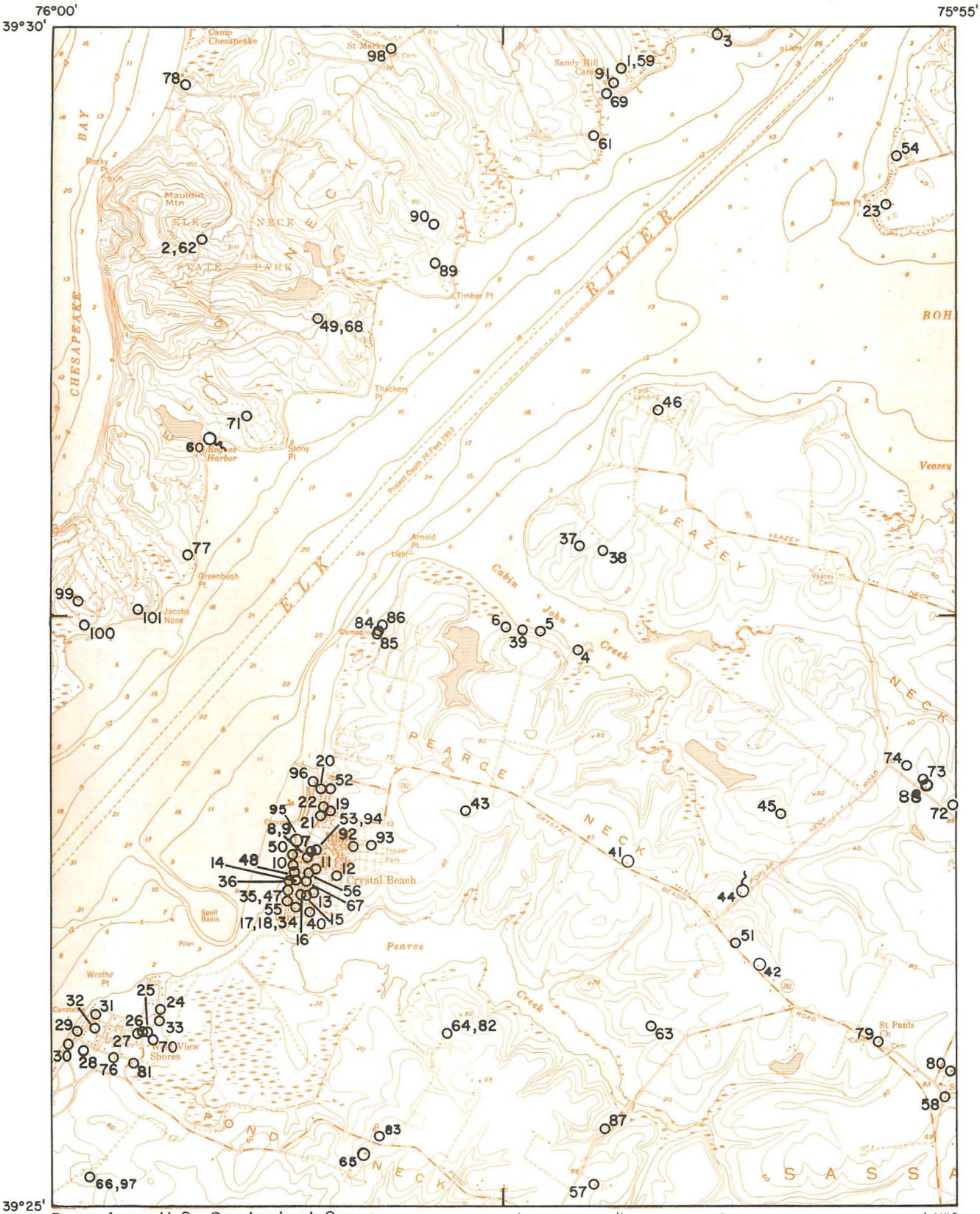
DC & EC

1 ½ 0 1 MILE

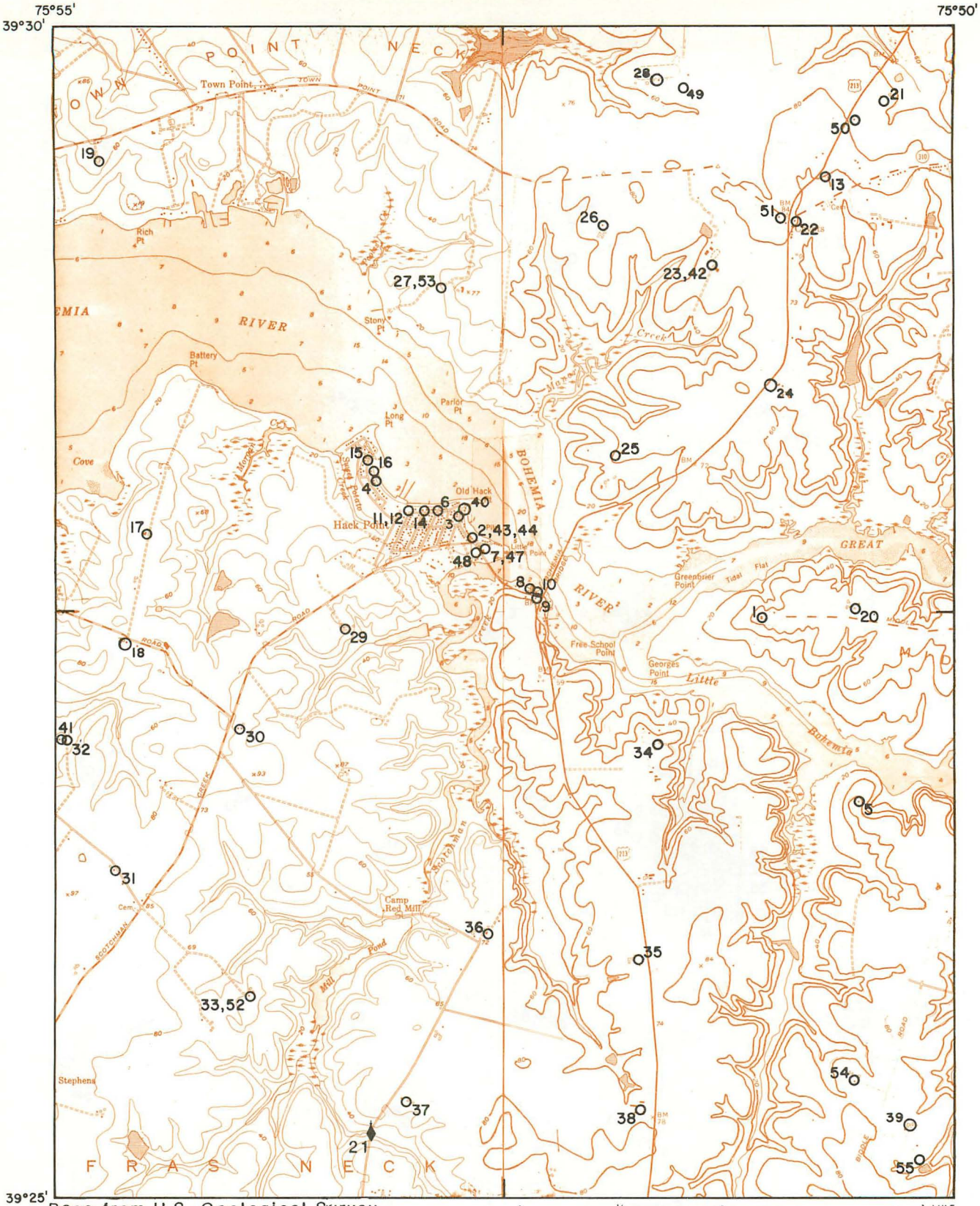
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929


76°00'
75°55'
39°30'
39°25'
CHESAPEAKE BAY
ELK NECK STATE PARK
ELK NECK
ELK RIVER
VEAZEY NECK
PEARCE NECK
POND NECK
SASSA
Crystal Beach
Pearce Creek
Cabin John Creek
Veazey
Camp Chesapeake
St Martin
Sandy Hill Camp
Rocky Pt
Mauldin Mtn
Timber Pt
Thackery Pt
Stony Pt
Rogers Harbor
Arnold Pt
Greenbush Pt
Jacobs Nose
Spoil Basin
Wrotha Pt
View Shores
Town Pt
St Pauls Ch
Veazey Cem
Trailer Park
Project Depth 20 Feet 1967
Base from U.S. Geological Survey, 1:24,000 Quadrangles
1 ½ 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER
CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

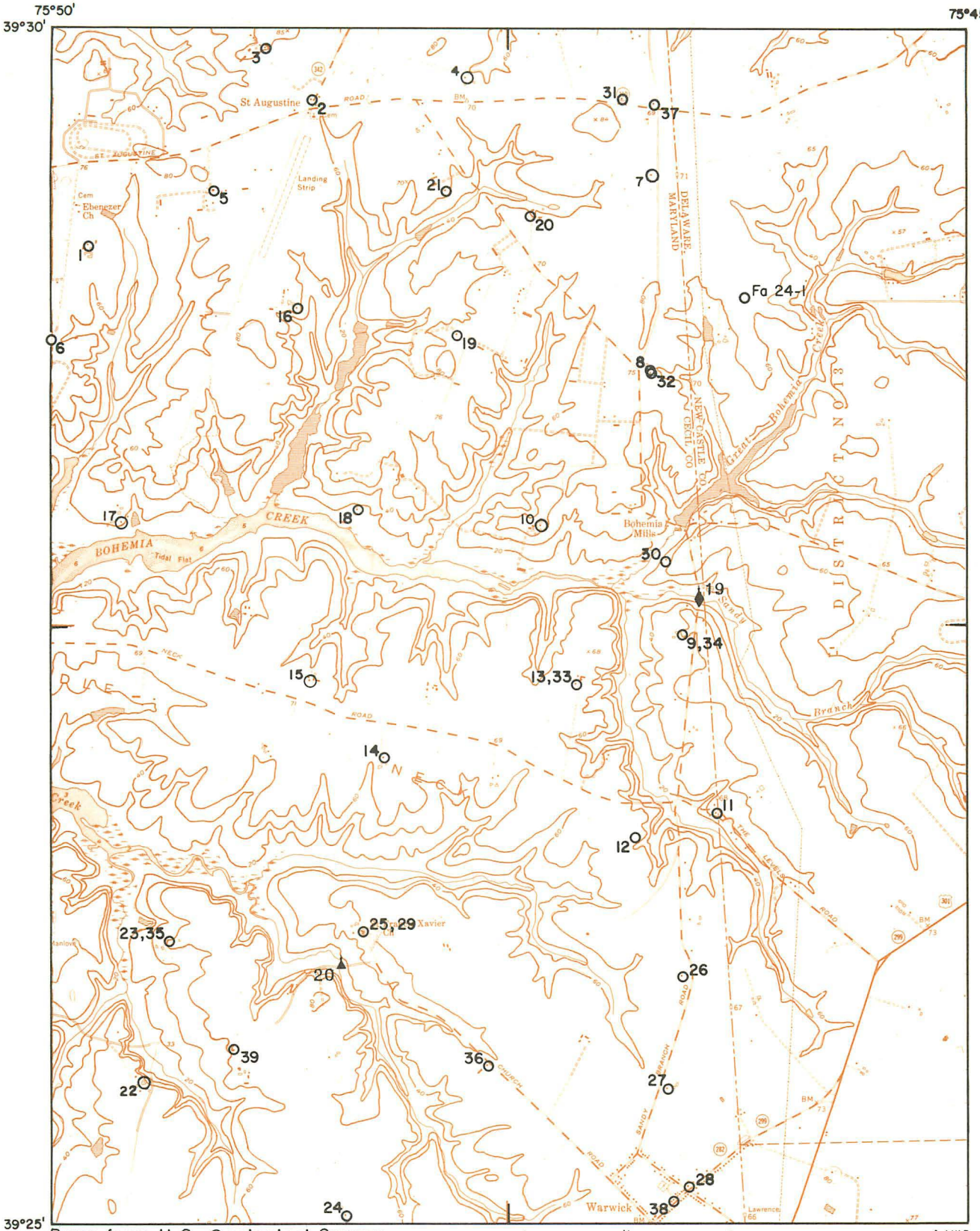
DD



Base from U.S. Geological Survey, 1:24,000 Quadrangles

DE

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

DF

1 ½ 0 1 MILE

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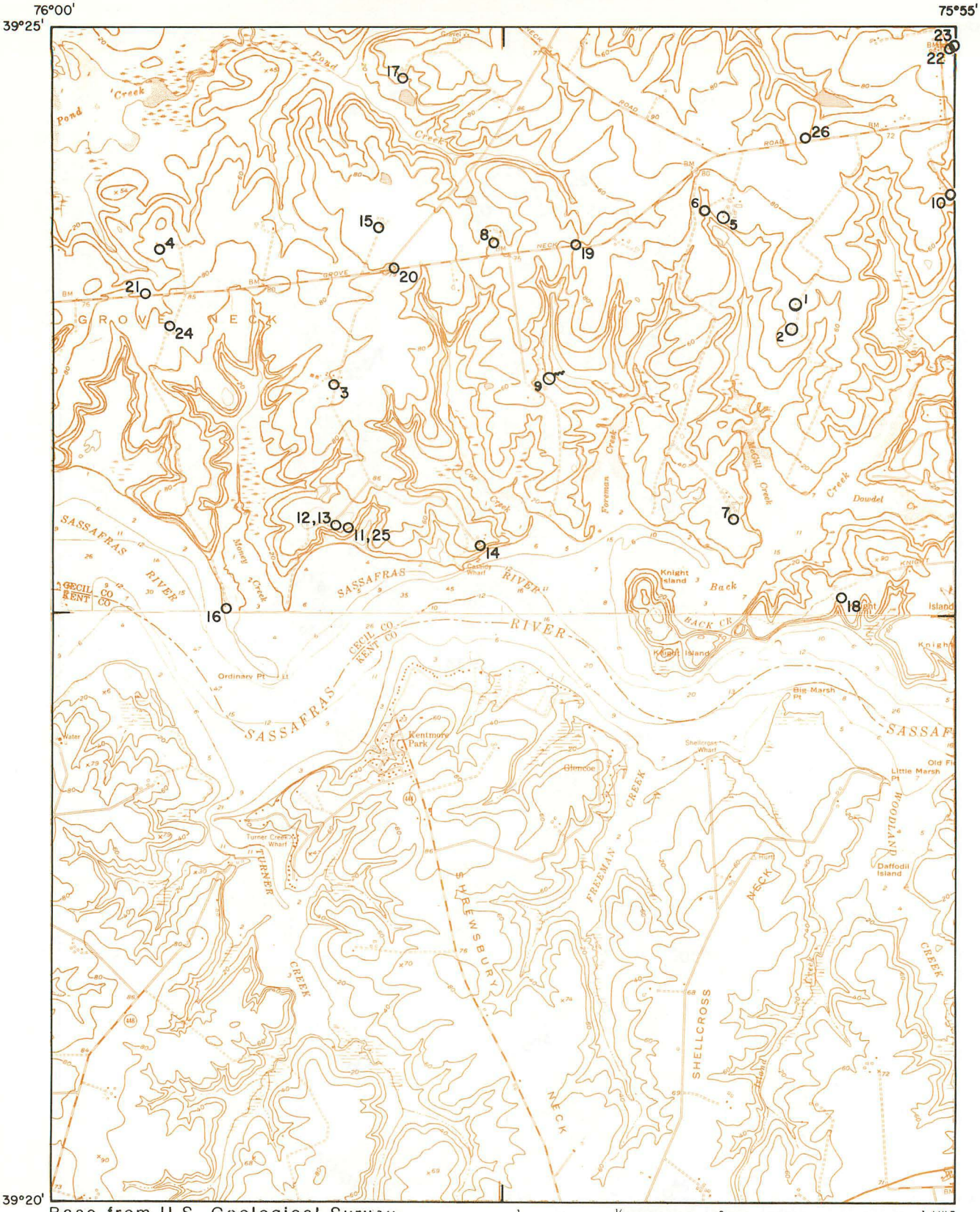
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

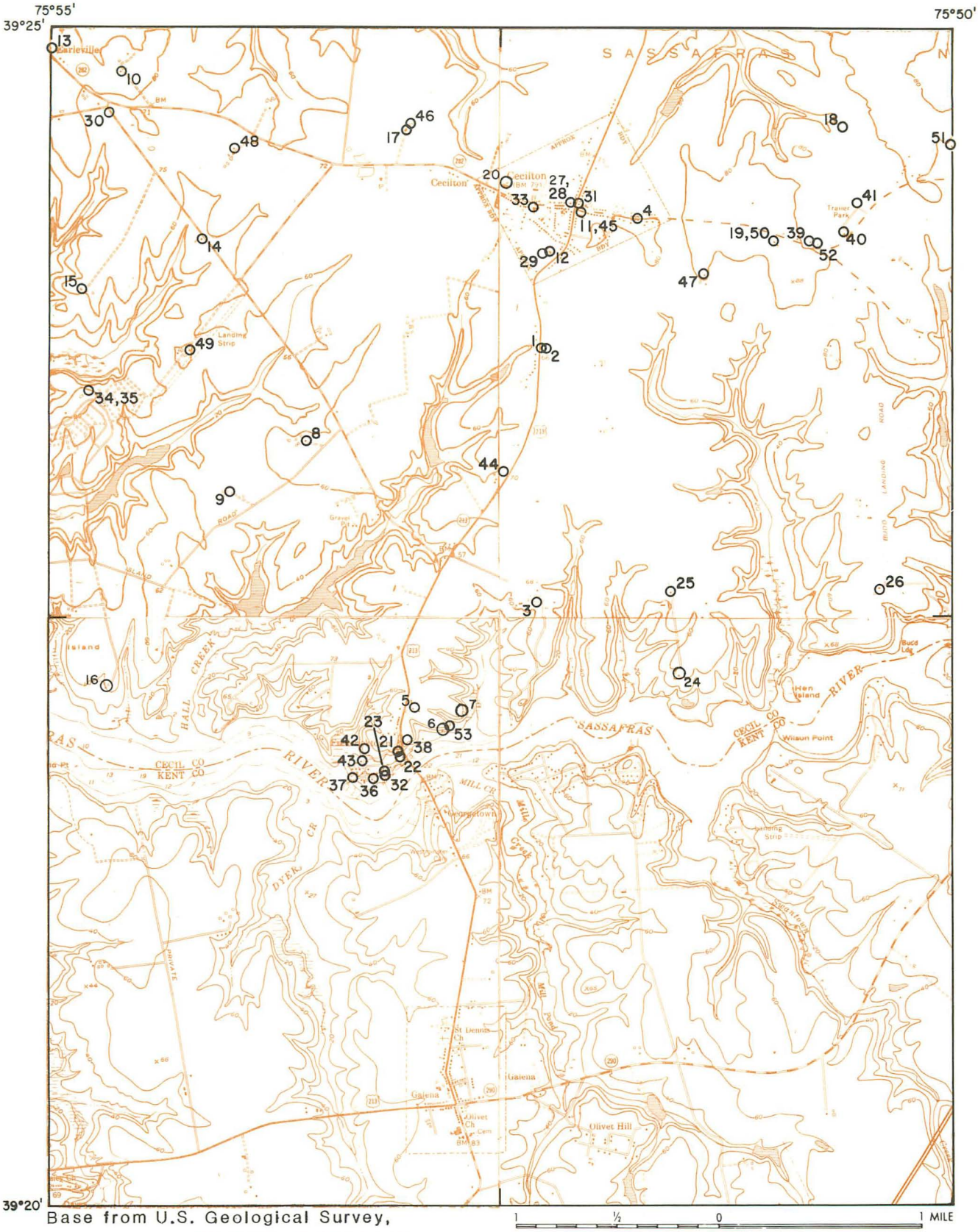
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

ED



Base from U.S. Geological Survey, 1:24,000 Quadrangles

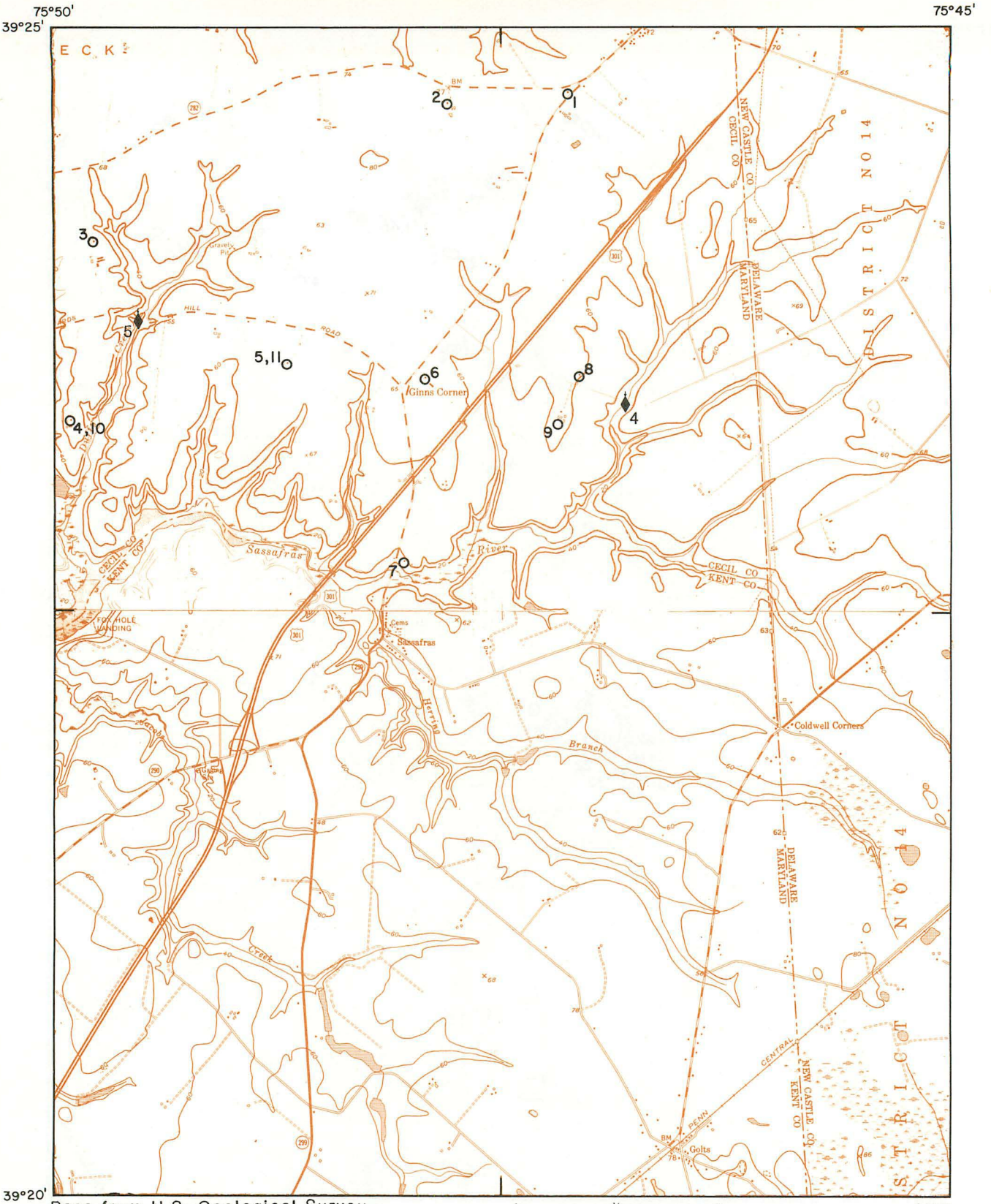
EE

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929



Base from U.S. Geological Survey, 1:24,000 Quadrangles

EF

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS NATIONAL GEODETIC VERTICAL DATUM OF 1929

MARYLAND GEOLOGICAL SURVEY
2300 St. Paul Street
Baltimore, Maryland 21218

Basic Data Reports:

1. Records of wells and springs in Baltimore County, Maryland, by C. P. Laughlin, 1966, 406 p. . . . . $ 3.50*
2. Records of wells and springs, chemical analyses, and selected well logs in Charles County, Maryland, by T. H. Slaughter and C. P. Laughlin, 1966, 93 p. . . . . $ 4.00
3. Hydrogeologic data from the Janes Island State Park test well (1,514 feet), Somerset County, Maryland, by H. J. Hansen, 1967, 24 p. . . . . $ 2.50
4. Southern Maryland—Records of selected wells, water levels, and chemical analyses, by J. M. Weigle and W. E. Webb, 1970, 48 p. . . . . $ 3.50*
5. Deep wells of Maryland, by Jonathan Edwards, Jr., 1970, 162 p. . . . . $ 3.00
6. Worcester County ground-water information: well records, pumpage, chemical-quality data, and selected well logs, compiled by Richard C. Lucas, 1972, 90 p. . . . . $ 3.75
7. Harford County ground-water information: well records, pumpage, and chemical-quality data, compiled by L. J. Nutter and M. J. Smigaj, 1975, 89 p. . . . . $ 3.75
8. Anne Arundel County ground-water information: selected well records, chemical-quality data, pumpage, appropriation data, and selected well logs, compiled by R. C. Lucas, 1976, 149 p. . . . . $ 5.00
9. Interstitial water chemistry of Chesapeake Bay sediments, by O. P. Bricker, G. Matisoff, and G. R. Holdren, Jr., 1977, 67 p. . . . . $ 2.50
10. Maryland ground-water information: chemical-quality data, compiled by R. S. Woll, 1978, 126 p. . . . . $ 9.50
11. Garrett County water well records, chemical-quality data, ground-water use, coal test-hole data, and surface-water data, compiled by L. J. Nutter, M. J. Smigaj, and L. L. Knobel; with a section on gas-well records, compiled by K. A. Schwarz and J. Edwards, Jr., 1980, 102 p. . . . . $ 7.00
12. Carroll County ground-water information: well records, spring records, and chemical-quality data, compiled by J. T. Hilleary and J. W. Weigle, 1981, 252 p. . . . . $ 9.50
13. Prince George's County ground-water information: well records, chemical-quality data, pumpage, appropriation data, observation well records, and well logs, compiled by M. D. Tompkins, 1983, 160 p. . . . . $ 8.50
14. Records of selected wells, Calvert and St. Mary's Counties, Maryland, compiled by D. D. Drummond, 1983, 117 p. $12.25
15. Ground-water and surface-water data for Frederick County, Maryland, compiled by J. R. Dine, M. D. Tompkins, and M. T. Duigon, 1985, 240 p. $14.25
16. Hydrologic data for Cecil County, Maryland, compiled by R. E. Willey, R. A. McGregor, J. de Grouchy, and M. D. Tompkins, 1987, 150 p. $15.00

*Available on microfiche only.