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

WATER RESOURCES BASIC DATA REPORT NO. 8

ANNE ARUNDEL COUNTY GROUND-WATER INFORMATION: SELECTED WELL RECORDS, CHEMICAL-QUALITY DATA, PUMPAGE, APPROPRIATION DATA, AND SELECTED WELL LOGS

compiled by
RICHARD C. LUCAS

prepared in cooperation with the
UNITED STATES GEOLOGICAL SURVEY
Department of the Interior

1976

LIST OF ABBREVIATIONS AND TABLE FOR CONVERTING ENGLISH UNITS TO INTERNATIONAL SYSTEM (SI) UNITS.

Multiply English units	By	To obtain SI units
	Length	
inches (in)	25.4	millimetres (mm)
feet (ft)	.3048	metres (m)
	Area	
square miles (mi^2)	2.590	square kilometres (km^2)
	Flow	
gallons per minute (gal/min)	.06309	litres per second (l/s)
gallons per day (gpd)	3.785	litres per day (l/d)
	Specific Capacity	
gallons per minute per foot of drawdown (gal/min/ft)	.2070	litres per second per metre of drawdown (l/s/m)

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ANNE ARUNDEL COUNTY GROUND-WATER INFORMATION: SELECTED WELL RECORDS, CHEMICAL-QUALITY DATA, PUMPAGE, APPROPRIATION DATA, AND SELECTED WELL LOGS

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INTRODUCTION

This is a compilation of previously published and unpublished ground-water data from Anne Arundel County collected between 1942 and 1974 by the Maryland Geological Survey, the Maryland Water Resources Administration, and the U.S. Geological Survey. These data include records for approximately 1,280 wells. Bulletins 5, 15, and 26 published by the Maryland Department of Geology, Mines and Water Resources[1]; and Basic Data Report No. 4, and Reports of Investigations Nos. 7 and 22, published by the Maryland Geological Survey, contain most of the previously published data.

Anne Arundel County is located in the Coastal Plain province of southern Maryland immediately west of the Chesapeake Bay. It is bordered on the north by Baltimore City and Baltimore County, on the west by Howard and Prince Georges Counties, and on the south by Calvert County. The county has an area of 458 mi^2 (1,186 km^2), which includes 41 mi^2 (106 km^2) of water. Land surface altitude ranges from sea level to about 320 ft (98 m) above sea level. The county is generally rolling or hilly, except adjacent to the Chesapeake Bay, where it is generally low and flat.

Ground water is used for most domestic, public, and industrial water supplies in the county. The wells furnishing these supplies are all less than 1,200 ft (366 m) deep and are generally finished in unconsolidated Coastal Plain deposits that are Cretaceous or younger in age. An occasional well or test hole in the northwestern section of the county has been drilled into consolidated bedrock of an earlier age. The lithology and hydrologic characteristics of the deposits that are penetrated by water wells in Anne Arundel County are shown in table 1.

As of 1974, the deepest test well in the county was a 1,262-ft (385 m) deep water-exploration well (AA-CC 104) in the Crofton Meadows area, which was abandoned and destroyed.

ACKNOWLEDGMENTS

Much of the data in this report came from well-completion reports submitted by water well drillers as part of Maryland's well permit system. The system was begun in 1945 by the Department of Geology, Mines and Water Resources of Maryland and was transferred to the authority of the Maryland Department of Water Resources in 1964.[2] The cooperation of the well drillers contributed significantly to the success of this system.

Personnel of the Maryland Water Resources Administration, the Maryland Geological Survey, the U.S. Geological Survey, the Anne Arundel County Department of Public Works, the Anne Arundel County public schools, other State, county and Federal agencies, plus many private individuals and well drillers supplied data for this publication.

John Glaser, geologist with the Maryland Geological Survey, provided valuable assistance by determining the aquifer tapped by several of the wells mentioned in this report.

Wayne E. Webb, hydrologist, U. S. Geological Survey, supervised the preparation of this report and developed a computer program for the preparation of the well tables.

During 1973-75, the writer inventoried wells in Anne Arundel County and assembled and organized most of the data in this report.

[1] The name of this agency was changed to the Maryland Geological Survey in June 1964.

[2] In 1972, the Department of Water Resources became an agency of the Department of Natural Resources and was renamed the Water Resources Administration (WRA).

WELL RECORDS

Well records are listed by well number in table 2. These well numbers were determined by the following method: U.S. Geological Survey topographic maps, covering Anne Arundel County, were subdivided into 5-minute quadrangles of latitude and longitude and used as base maps to show the locations of selected inventoried wells. The first letter of the well number designates a 5-minute segment of latitude; the second letter designates a 5-minute segment of longitude. The two letters together correspond to one of the 5-minute by 5-minute well location maps presented in this report. The wells in each 5-minute quadrangle are generally numbered in the order in which they were inventoried. Thus, well AA-AC 2 listed in table 2 is the second well inventoried in AC quadrangle. The AA is a county abbreviation prefix.

Owners' names for individuals are written last-name first. Company names and names of institutions are written in correct sequence.

Depth of well generally indicates the distance from land surface to the bottom of the completed well. However, the depth of well reported for test wells is the maximum depth to which these holes were drilled. Some water wells are completed at a more shallow depth than the maximum drilled depth.

Well "finish" refers to the type of openings that permit water to enter the well. Depth of bottom of casing or top of screen generally indicates the shallowest level at which water can enter the well.

Aquifer designations for individual wells in table 2 were made on the basis of drillers' logs; published geologic, structure, and thickness maps (Clark, 1916; Hansen, 1968; Hansen, 1974; Hansen and Otton, 1969; and Mack, 1962); and unpublished data (written communication, Kapple and Hansen, 1975).

Static water levels followed by an M are measured water levels; all others are reported water levels. If the well was flowing, or reported flowing, but the head was unknown, an F appears in the water-level column. A plus sign precedes the static water level if the static head was above land surface.

Specific capacity is the rate of discharge of water from a well divided by the drawdown of the water level in the well (Lohman and others, 1972, p. 11). Specific capacities shown in table 2 are, for the most part, based on data reported from drillers' acceptance tests. Therefore, the data serve only as an indication of well performance during short pumping periods and should not be used as an indication of aquifer transmissivity.

Under the remarks column, various information is given about the wells. Wells coded as test holes were drilled primarily to obtain hydrogeologic information and, in most cases, they have been destroyed. However, a test hole or other well that has been cased and maintained for observing water levels is coded as an observation well. Wells having no present nor anticipated use are marked "unused," whereas wells marked "destroyed" no longer exist. Where there are codes for caliper logs, electric logs, and gamma-ray logs, these logs are available for inspection at the Maryland-Delaware-D.C. District office of the U.S. Geological Survey, Water Resources Division, or at the office of the Maryland Geological Survey. The code "D" indicates that a descriptive log has been published for the well, and the log or the publication in which it appears is shown in table 5. Water from wells marked "Q" has been analyzed by the U.S. Geological Survey. (See table 3.)

CHEMICAL-QUALITY ANALYSES OF GROUND WATER

Approximately 204 chemical-quality analyses of ground-water samples from Anne Arundel County are presented in table 3. All analyses were made by laboratories of the U. S. Geological Survey.

The concentration of most dissolved constituents is expressed as milligrams per litre (MG/L), which represents the weight of solute (milligrams) per unit volume (litre) of water. One-thousand milligrams per litre is equivalent to 1 gram per litre. Iron, manganese, aluminum, copper, lithium, and zinc are reported as micrograms per litre (UG/L). One-thousand micrograms per litre is equivalent to 1 milligram per litre. (U.S. Department of the Interior, Geological Survey, 1973, p. 4).

Specific conductance measures the ability of water to conduct an electric current and is expressed in micromhos per centimetre at 25°C. It can be used to approximate the dissolved-solids content of water because specific conductance is related to the specific chemical types and numbers of ions in a solution. The following general relationship is applicable:

Specific conductance x (0.7) = dissolved solids (MG/L)

The pH of water is an indication of the balance between acids and alkalies. The pH of a solution is a measure of the effective hydrogen-ion concentration, or more specifically, the hydrogen-ion activity ($a_H + 1$).

Table 1.--Lithologic and hydrologic characteristics of geologic formations penetrated by water wells in Anne Arundel County.

System	Series	Group	Formation	Lithology	Hydrologic character	General character
Quaternary	Pleistocene	Columbia			Confining bed in most places. Poor aquifer in some places.	Sand, gravel, silt, and clay.
Tertiary	Miocene	Chesapeake	Calvert		Poor aquifer in places.	Sandy clay and fine sand, fossiliferous; diatomaceous earth.
	Eocene	Pamunkey	Nanjemoy		Confining bed	Sand, with clayey layers, glauconitic.
			Marlboro Clay 1/		Confining bed	Clay, plastic, pale-red.
	Paleocene		Aquia		Aquifer	Glauconitic, greenish to brown sand with indurated or "rock" layers in middle and basal parts.
			Brightseat		Confining bed in most places. Poor aquifer in some places.	Sand, silt, and clay, olive gray to black, glauconitic.
Cretaceous	Upper Cretaceous		Monmouth		Poor aquifer in places.	Sand, silty to fine, with some glauconite.
			Matawan		Confining bed	Silt and fine sand, clayey, dark gray to black, glauconitic.
			Magothy		Aquifer	Sand, light gray to white, with interbedded thin layers of organic black clay. Contains pyrite and lignite. Lower part composed of interbedded layers of sand and white to light gray clay. Layers of coarse sand and gravel near the base.
	Lower Cretaceous	Potomac	Patapsco		Confining bed Aquifer Confining bed Aquifer Confining bed Aquifer	Sand layers interbedded with thick clay layers. Color variegated but chiefly hues of red and yellow.
			Arundel Clay		Confining bed	Clay, red brown, and gray, contains some ironstone nodules and plant remains.
			Patuxent		Aquifer ? Confining bed Aquifer ?	Sand, gray and yellow, with interbedded clay; kaolinized feldspar and lignite common. Locally clay layers predominate
Lower Paleozoic (?) or Precambrian			Basement complex		Confining bed	Probably gneiss, granite, gabbro, metagabbro, quartz diorite, and granitized schist.

1/ The term Marlboro Clay is used in this report in accordance with usage proposed by Glaser (1971). The term does not conform to the stratigraphic nomenclature of the U.S. Geological Survey.

$$pH = \log \frac{1}{a_H + 1}$$

A pH of 7.0 indicates neutral water. Above a pH of 7, the water is alkaline; below 7, it is acid. The extremes are 0 and 14. A pH range of 6 to 8 is common for natural fresh water (Swenson and Baldwin, 1965, p. 19).

Temperature is reported in degrees Celsius (C), which is equivalent to degrees centigrade. Color is reported in platinum-cobalt units; one unit of color is that produced by 1 milligram of platinum per litre of water (the Hazen scale).

All phosphorus is reported as if it were in the form of phosphate (PO_4), and nitrate is reported as NO_3. Dissolved solids are determined as a residue on evaporation at 180°C.

Several chemical constituents and physical-chemical properties found in Anne Arundel County ground water can occur in high enough concentrations to create problems for potential ground-water users. In this area, the constituents and properties most likely to occur in troublesome concentrations are iron (Fe), manganese (Mn), nitrate (NO_3), and hardness. The following discussion of these constituents is paraphrased from "A Primer on Water Quality" (Swenson and Baldwin, 1965).

Iron is dissolved from many rocks and soils. Ground water may carry several milligrams per litre of iron. Acid water, however, commonly carries relatively large quantities. On exposure to air, iron in nonacid water oxidizes and settles out of solution. In concentrations as low as 0.3 MG/L, iron causes reddish-brown stains on white porcelain or enameled ware and fixtures and on fabrics washed in the water.

Manganese resembles iron in its chemical behavior and in its occurrence in natural waters. Manganese is especially objectionable in water used in laundry work and in textile processing. Concentrations as low as 0.2 MG/L may cause a dark-brown or black stain on fabrics and porcelain fixtures. Appreciable quantities of manganese are often found in water containing objectionable quantities of iron.

Nitrate in water is considered a final oxidation product of nitrogen-containing matter. Nitrate concentrations of several parts per million may indicate contamination by sewage or other organic matter. The effect of nitrate on industrial use of water is practically negligible; however, many studies by health officers and medical research scientists have shown that excess nitrate in drinking water is a contributing factor or perhaps the main cause of a condition in infants known as methemoglobinemia or "blue babies." A report published by the National Research Council concludes that a nitrate content in excess of 44 MG/L should be regarded as unsafe for infant feeding.

Hardness is the property of water attributable to the presence of alkaline earths, primarily compounds of calcium and magnesium, and is expressed as equivalent calcium carbonate ($CaCO_3$). Hard water requires more soap "to make a good lather," "shortens fabric life," and "leaves a scaly deposit on the inside of pipes and steam boilers." "On the other hand, hard water reacts more favorably with soils and is preferred for irrigation water" (Swenson and Baldwin, 1965, p. 18).

GROUND-WATER APPROPRIATIONS AND PUMPAGE DATA

In accordance with Maryland law, the users of ground water for other than domestic purposes are required (as of 1975) to obtain a ground-water appropriation permit from the Maryland Water Resources Administration. Table 4 is a list of all current ground-water appropriations of more than 10,000 gallons per day (37,850 l/d) in Anne Arundel County issued before the first of July, 1973. Included in this table is a list of the currently producing wells and the primary standby wells of each appropriator. The table also presents reported average daily pumpage figures for specified 12-month periods.

SELECTED WELL LOGS

A driller's log is on file at the Maryland Geological Survey or the Maryland Water Resources Administration for most wells for which there is a well permit number. These logs describe the lithology of the cuttings from the well and are part of a well completion report required by Maryland law.

A geologist's log in this report is a lithologic description of well cuttings by geologists of the U.S. Geological Survey or the Maryland Geological Survey.

Table 5 references all previously published geologists' logs and drillers' logs for wells in Anne Arundel County. Selected, previously unpublished drillers' logs are also presented in their entirety. Altitudes for most of the wells with logs are determined by the use of 1:24,000-scale U. S.

Geological Survey topographic maps. The locations of these wells are shown on the 5-minute quadrangle maps contained in this report, and their records are in table 2.

OBSERVATION WELLS

Table 6 is a list of observation wells in Anne Arundel County at which periodic water-level measurements have been made by the U.S. Geological Survey. Presently measured wells are marked with an asterisk (*) to distinguish them from wells which are no longer being measured. Published ground-water level data for Maryland may be found in the following U.S. Geological Survey Water-Supply Papers which may be obtained from the Government Printing Office, Washington, D.C.:

Year of Data	Water-Supply Paper Number	Year of Data	Water-Supply Paper Number
1936	817	1948	1127
1937	840	1949	1157
1938	845	1950	1166
1939	886	1951	1192
1940	907	1952	1222
1941	937	1953	1266
1942	945	1954	1322
1943	987	1955	1405
1944	1017	1956-58	1538
1945	1024	1959-63	1803
1946	1072	1964-68	1978
1947	1097	1969-73	2171

Ground-water level data for Anne Arundel County may also be found in Maryland Geological Survey Bulletins 5, 15, and 26.

GEOPHYSICAL LOGS

A list of 148 geophysical logs of 100 wells in Anne Arundel County comprises table 7. These logs include: single- and multiple-point electric logs; gamma-ray logs; and caliper logs. Copies of these logs may be inspected at the U.S. Geological Survey, Water Resources Division, Maryland-Delaware-D.C. District headquarters; they are not reproduced in this report.

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[1] The name of this agency was changed to the Maryland Geological Survey in June 1964.

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WEIGLE, J. M., and WEBB, W. E., 1970, *Southern Maryland—records of selected wells, water levels, and chemical analyses of water: Maryland Geol. Survey Basic Data Rept. no. 4, 48 p.*

TABLES TWO, THREE, FOUR AND FIVE
ARE CONTAINED IN THE FOLLOWING SECTIONS
OF THE REPORT

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
AC 2	-	DORSEY ELEM SCHOOL	-	1933	90	16	-	-	-	-
AC 3	-	OLD OAK DAIRY	H. H. BUNKER AND SONS, INC.	1933	200	290	6	S	-	-
AC 4	-	OLD OAK DAIRY	WASHINGTON PUMP AND WELL CO.	1945	200	165	6	S	149	12
AC 5	-	PITZINGER, JAMES	-	1941	70	61	48	W	-	-
AC 8	-	DUCKWORTH, C E	RANDALLSTOWN PUMP & WELL CO.	1945	180	128	6	S	122	6
AC 10	1222	GILES, C E	F. B. ROGERS	1947	125	153	6	-	-	-
AC 11	2445	BALTO-WASH INTR AIRPORT	WASHINGTON PUMP AND WELL CO.	1948	120	320	6	S	312	8
AC 14	5217	KULIS, STANLEY	LAYNE-ATLANTIC CO.	1950	150	220	6	S	200	10
AC 15	5218	GODDARD, STANLEY I	LAYNE-ATLANTIC CO.	1950	180	273	4	S	-	5
AC 16	3632	WEINER, M L	F. B. ROGERS	1949	175	240	6	O	240	-
AC 17	1950	DAVIS, JAMES	F. B. ROGERS	1947	140	182	6	-	-	-
AC 21	5470	SMITH, WM A	LAYNE-ATLANTIC CO.	1950	145	247	6	S	237	10
AC 22	6163	DUCKWORTH, C E	LAYNE-ATLANTIC CO.	1950	185	275	4	S	270	5
AC 23	9403	CAVEY, LYCESTER	LAYNE-ATLANTIC CO.	1952	190	332	4	S	327	5
AC 24	-	ASHBURN, H F	JOHN NOVAK	-	225	200	-	-	-	-
AC 26	-	BALTO-WASH INTR AIRPORT	-	-	170	32	48	-	-	-
AC 27	-	BALTO-WASH INTR AIRPORT	-	-	165	60	-	-	-	-
AC 28	22586	L B SMITH, INC.	G. EDGAR HARR SONS' CORP.	1956	210	204	6	S	187	-
AC 31	29495	ANDOVER RECREATION INC	H. H. BUNKER AND SONS, INC.	1958	205	188	4	S	178	10
AC 32	-	FORNERO, ADOLPH	-	1934	155	43	48	W	-	-
AC 34	33523	LISKEY ALUMINUM INC.	LAYNE-ATLANTIC CO.	1959	120	288	6	S	283	5
AC 37	-	ST MARKS METHODIST CHURCH	-	-	145	42	42	-	-	-
AC 39	-	POTTS, MRS.	-	-	180	8	2	-	-	-
AC 42	29078	DORSEY ELEM SCHOOL	LAYNE-ATLANTIC CO.	1958	90	155	6	X	52	103
AC 43	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	140	132	4	-	-	-
AC 44	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	162	47	4	-	-	-
AC 45	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	125	72	4	-	-	-
AC 46	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	135	42	4	-	-	-
AC 47	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	90	77	4	-	-	-
AC 48	20169	BLAND, HARRY H.	LAYNE-ATLANTIC CO.	1955	75	100	4	S	95	5
AC 52	-	DOWNING, HOWARD	OWNER	1953	95	31	36	-	-	-
AC 55	34244	DOWGALSKI, KATHERINE	LAYNE-ATLANTIC CO.	1959	130	195	4	S	190	5
AC 57	31478	GUTMAN, JOHN	RUSSELL LEISTER	1958	150	110	6	O	110	-

FINISH CODES

O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATUXENT	7M	12-45	-	-	-	-	-	-	U	N		AC 2
PATUXENT	145	1-46	-	-	-	-	-	-	U	-	U	AC 3
PATAPSCO	70	1-46	110	1-46	50	1-46	-	1.3	U	T	U D	AC 4
PATUXENT	57M	1-46	-	-	-	-	-	-	H	-		AC 5
PATUXENT	39M	1-46	-	-	-	-	-	-	H	-		AC 8
PATUXENT	95	3-47	-	-	10	-	-	-	H	J	D	AC 10
PATUXENT	91M	6-59	-	-	60	-	12	0.7	U	N	O D J	AC 11
PATUXENT	136	1-50	-	-	10	-	8	-	H	J	D	AC 14
PATUXENT	181M	4-60	-	-	10	-	8	-	H	P	Q D	AC 15
PATUXENT	160	2-49	-	-	20	-	-	-	H	P	D	AC 16
PATUXENT	95	12-47	-	-	8	-	4	-	H	-	D	AC 17
PATUXENT	84M	8-51	-	-	28	-	5	-	H	P	Q D	AC 21
PATUXENT	114	7-50	-	-	-	-	-	-	H	P	D	AC 22
PATUXENT	154M	3-52	-	-	20	-	3	0.7	H	J	D	AC 23
PATAPSCO	146M	4-52	-	-	-	-	-	-	H	P		AC 24
PATAPSCO	13M	6-59	-	-	-	-	-	-	U	P	U	AC 26
PATAPSCO	50M	6-59	-	-	-	-	-	-	H	P		AC 27
PATUXENT	120	5-56	150	5-56	60	5-56	27	2.0	C	S	D	AC 28
PATAPSCO	100	2-58	-	-	40	-	2	-	R	-	D	AC 31
PATAPSCO	40M	10-59	-	-	-	-	-	-	U	N	U	AC 32
PATUXENT	74	2-59	162	2-59	275	2-59	6	3.1	U	N	Z Q D	AC 34
PATAPSCO	40M	11-59	-	-	-	-	-	-	H	P		AC 37
PATAPSCO	4M	11-59	-	-	-	-	-	-	U	P	U	AC 39
BASEMENT COMPLEX	4	1-58	127	1-58	20	1-58	4	0.2	T	S	D	AC 42
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AC 43
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AC 44
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AC 45
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AC 46
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AC 47
PATUXENT	64	8-55	73	8-55	20	8-55	3	2.2	H	J	Q D	AC 48
PATAPSCO	24M	3-60	-	-	-	-	-	-	H	P		AC 52
PATUXENT	80	4-59	106	4-59	30	4-59	4	1.2	C	S	D	AC 55
PATUXENT	60M	4-60	-	-	12	-	3	1.2	U	N	U D	AC 57

WATER USE CODES

C COMMERCIAL
H DOMESTIC
R RECREATIONAL
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
AC 58	38406	BALTIMORE CLAY PRODUCTS CO	H. H. BUNKER AND SONS, INC.	1960	170	100	4	S	95	5
AC 60	AA66W 326	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1965	165	155	8	G	135	15
AC 61	AA68W1057	PARKWAY INDUSTRIAL CENTER	LAYNE-ATLANTIC CO.	1968	170	207	6	S	189	10
AC 63	AA68W1057	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1968	180	244	6	S	140	20
AC 65	AA66W 327	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1965	170	165	8	S	145	15
AC 66	AA66W 655	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1965	60	99	4	S	89	10
AD 1	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1926	30	65	18	-	-	-
AD 2	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1941	40	95	8	S	65	30
AD 3	-	A A CO DEPT OF PUBLIC WORKS	-	1927	40	62	18	S	49	13
AD 4	-	CHARLES WALTON & CO INC	HOSHALL	1919	45	94	6	-	-	-
AD 5	-	CHARLES WALTON & CO INC	HOSHALL	1919	45	127	6	-	-	-
AD 6	-	CHARLES WALTON & CO INC	HOSHALL	1919	45	157	6	-	-	-
AD 7	-	CHARLES WALTON & CO INC	HOSHALL	1923	45	312	6	-	-	-
AD 8	-	U S ARMY ORDNANCE DEPOT	-	1918	49	390	8	S	385	6
AD 9	-	U S ARMY ORDNANCE DEPOT	-	1918	46	150	8	O	150	-
AD 10	-	U S ARMY RESERVE CENTER	-	1918	45	108	8	S	-	-
AD 11	-	U S ARMY ORDNANCE DEPOT	-	1918	40	300	10	-	240	-
AD 14	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	36	-	-	-	-
AD 15	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	41	-	-	-	-
AD 16	-	U S ARMY ORDNANCE DEPOT	-	-	35	83	8	-	-	-
AD 20	-	KAVANAUGH PRODUCTS INC	WASHINGTON PUMP AND WELL CO.	1944	40	392	8	-	-	-
AD 21	-	PUMPHREY ELEM SCHOOL	-	-	35	160	6	-	-	-
AD 23	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1945	42	78	18	S	63	10
AD 24	-	LINTHICUM, SETH H.	-	1920	170	225	6	-	-	-
AD 27	-	TRACEY, S S	CRAIG	1916	30	73	4	O	73	-
AD 29	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1947	37	500	3	P	395	45
AD 30	-	A A CO DEPT OF PUBLIC WORKS	US GEOLOGICAL SURVEY	1948	35	13	4	-	-	-
AD 31	682	LAYNE ATLANTIC CO	LAYNE-ATLANTIC CO.	1946	55	155	6	S	145	10
AD 32	1612	MILLER, LILLIAN	GEO. E. CROUSE	1947	40	80	4	-	-	-
AD 33	1896	HALL, ADRIAN	GEO. E. CROUSE	1947	140	147	4	-	-	-
AD 34	2094	EVANS, JOHN A	GEO. E. CROUSE	1948	70	30	4	-	-	-
AD 36	-	HABERKORN, FRANK	-	-	20	-	36	W	-	-
AD 37	-	STRAUSS, L	-	1928	56	52	4	-	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
P PERF.-SLOTTED
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	65	3-60	68	3-60	10	3-60	1	3.3	C	J	D	AC 58
PATUXENT	88	10-65	124	10-65	72	10-65	12	2.0	P	S	D E	AC 60
PATUXENT	-	-	-	-	45	-	8	-	U	N	T D E J	AC 61
PATUXENT	108	7-68	140	7-68	33	7-68	7	1.0	U	N	T D	AC 63
PATUXENT	93	11-65	138	11-65	100	11-65	12	2.2	P	S	D	AC 65
PATUXENT	36	11-65	80	11-65	7	11-65	16	0.2	H	S	D	AC 66
PATAPSCO	3	-	-	-	220	-	-	-	U	T	U Q D	AD 1
PATAPSCO	34M	5-57	-	-	280	-	-	8.8	U	N	U Q D	AD 2
PATAPSCO	1M	9-59	-	-	175	-	-	-	U	N	Z Q	AD 3
PATAPSCO	-	-	-	-	28	-	24	-	N	A	Q	AD 4
PATAPSCO	-	-	-	-	32	-	24	-	N	A	Q	AD 5
PATAPSCO	-	-	-	-	46	-	24	-	N	A	Q	AD 6
PATAPSCO	-	-	-	-	48	-	24	-	N	A	Q	AD 7
PATUXENT	50	11-18	-	-	100	-	-	-	U	N	U D	AD 8
PATAPSCO	48	11-18	-	-	75	-	-	-	U	N	U D	AD 9
PATAPSCO	37M	8-44	-	-	50	-	-	-	U	N	O D	AD 10
PATAPSCO	25M	1-46	-	-	-	-	-	-	U	N	U D	AD 11
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AD 14
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AD 15
PATAPSCO	41	11-18	-	-	30	-	-	-	U	N	U D	AD 16
PATUXENT	76M	8-44	-	-	130	-	-	-	N	T	Q D	AD 20
PATUXENT	-	-	-	-	-	-	-	-	U	P		AD 21
PATAPSCO	-	-	-	-	150	-	-	-	P	T		AD 23
PATUXENT	74M	4-56	-	-	-	-	-	-	U	N	U	AD 24
PATAPSCO	21M	1-46	-	-	-	-	-	-	U	P	Z	AD 27
PATUXENT	+11M	6-48	-	-	12	-	-	-	U	N	O Q D	AD 29
PATAPSCO	9M	6-48	-	-	-	-	-	-	U	N	Z	AD 30
PATAPSCO	42	-	-	-	-	-	-	-	C	-	D	AD 31
PATAPSCO	33	7-47	40	7-47	5	7-47	4	0.7	H	-	D	AD 32
PATAPSCO	123	10-47	130	10-47	8	10-47	4	1.1	H	P	Q D	AD 33
PATAPSCO	20	3-48	-	-	5	-	4	-	H	-	D	AD 34
PLEISTOCENE	14M	11-48	-	-	-	-	-	-	H	P		AD 36
PATAPSCO	9M	11-48	-	-	-	-	-	-	H	P		AD 37

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

A AIR LIFT
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
AD 38	-	HABERKORN, PAUL	-	1929	50	13	36	W	-	-
AD 39	1613	HOWARD, J.C.	GEO. E. CROUSE	1947	140	178	4	-	-	-
AD 40	1629	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1947	57	102	20	-	80	22
AD 41	1630	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1947	39	146	18	-	126	20
AD 42	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1951	40	278	-	-	-	-
AD 43	9177	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1951	40	246	10	S	236	13
AD 44	9176	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1951	40	62	6	S	53	10
AD 45	-	BLACKBURN, JESSE	RADNOR DRILLING CO.	-	80	70	6	-	-	-
AD 46	-	BALTO-WASH INTR AIRPORT	-	-	110	29	48	W	-	-
AD 48	-	BALTO-WASH INTR AIRPORT	-	-	120	-	-	-	-	-
AD 51	23307	ARUNDEL CORPORATION	HENRY A. GROPP	1956	30	125	6	-	120	5
AD 52	-	ARUNDEL CORPORATION	-	-	30	130	6	-	-	-
AD 54	21948	ED-MAR TRAILER PARK	HENRY A. GROPP	1955	15	35	6	S	30	5
AD 60	19426	JOSEPH J HOCK, INC.	MARYLAND DRILLING CO.	1955	15	52	4	S	48	4
AD 61	12284	HIGHLAND FURNITURE CO	LAYNE-ATLANTIC CO.	1953	45	109	6	S	104	5
AD 62	12285	HIGHLAND FURNITURE CO	LAYNE-ATLANTIC CO.	1953	45	102	6	S	97	5
AD 63	18253	GAS OIL PRODUCTS CO	JOHN H. BROWN	1955	40	70	2	S	65	5
AD 66	-	KIEFER & BRAUN	OWNER	1938	15	10	6	-	-	-
AD 67	13957	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1953	43	151	10	G	131	20
AD 68	13958	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1953	56	160	10	S	140	20
AD 69	27725	TWO GUYS DEPT. STORE	H. H. BUNKER AND SONS, INC.	1957	60	119	8	-	97	22
AD 70	27726	TWO GUYS DEPT. STORE	H. H. BUNKER AND SONS, INC.	1957	60	121	8	-	99	22
AD 71	27724	TWO GUYS DEPT. STORE	H. H. BUNKER AND SONS, INC.	1957	60	120	8	S	108	12
AD 72	27723	TWO GUYS DEPT. STORE	H. H. BUNKER AND SONS, INC.	1957	60	122	8	S	110	12
AD 73	27834	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	87	186	6	S	171	15
AD 74	28580	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	90	186	12	S	171	15
AD 75	27835	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	75	535	-	-	-	-
AD 76	29134	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	75	474	12	S	449	25
AD 77	-	BALTO-WASH INTR AIRPORT	-	-	110	31	-	W	-	-
AD 78	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	130	18	4	-	-	-
AD 79	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1959	142	52	4	-	-	-
AD 80	28728	HOLY TRINITY SCHOOL	H. H. BUNKER AND SONS, INC.	1957	63	168	6	S	156	12
AD 81	31027	MINOR'S MAPLE INN	LAYNE-ATLANTIC CO.	1958	15	59	4	-	54	5

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PLEISTOCENE	8M	11-48	-	-	-	-	-	-	H	P		AD 38
PATAPSCO	117	8-47	125	8-47	8	8-47	4	1.0	H	P	D	AD 39
PATAPSCO	28	4-47	62	4-47	292	4-47	-	8.6	P	T	D	AD 40
PATAPSCO	10	6-47	68	6-47	250	6-47	-	4.3	P	T	D	AD 41
PATUXENT	-	-	-	-	-	-	-	-	U	-	T D	AD 42
PATUXENT	20M	9-51	-	-	250	-	48	2.7	U	N	Z D	AD 43
PATAPSCO	FM	9-59	-	-	100	-	24	-	U	N	U D	AD 44
CRETACEOUS	47M	4-52	-	-	-	-	-	-	H	J		AD 45
PATAPSCO	22M	3-55	-	-	-	-	-	-	H	-		AD 46
PATAPSCO	33M	4-56	-	-	-	-	-	-	U	N	U	AD 48
PATUXENT	26	6-56	66	6-56	80	6-56	4	2.0	U	T	Z D	AD 51
PATUXENT	21	-	-	-	-	-	-	-	U	N	Z	AD 52
-	2	9-55	8	9-55	20	9-55	3	3.3	U	N	Z D	AD 54
PATAPSCO	19	9-55	40	9-55	25	9-55	-	1.2	C	J	D	AD 60
PATAPSCO	20	5-53	49	5-53	80	5-53	3	2.8	A	S	D	AD 61
PATAPSCO	21	5-53	50	5-53	151	5-53	3	5.2		N	R D	AD 62
PATAPSCO	19	3-55	-	-	12	-	3	-	C	J	Q D	AD 63
-	2M	5-57	-	-	-	-	-	-	U	N	U	AD 66
PATAPSCO	12	11-53	120	11-53	487	11-53	-	4.5	P	T	D	AD 67
PATAPSCO	16	12-53	128	12-53	400	12-53	-	3.6	P	T	D	AD 68
PATAPSCO	32	7-57	62	7-57	270	7-57	8	9.0	A	S	D	AD 69
PATAPSCO	32	7-57	73	7-57	270	7-57	8	6.6		N	R D	AD 70
PATAPSCO	32	8-57	72	8-57	150	8-57	8	3.8	A	S	D	AD 71
PATAPSCO	32	8-57	100	8-57	165	8-57	24	2.4		N	R D	AD 72
PATAPSCO	31	9-57	182	9-57	184	9-57	3	1.2	U	N	T D	AD 73
PATAPSCO	37M	9-59	-	-	375	-	8	3.0	P	T	Q D	AD 74
BASEMENT COMPLEX	-	-	-	-	-	-	-	-	U	N	T D	AD 75
PATUXENT	42M	9-59	-	-	450	-	8	3.3	P	T	Q D	AD 76
PATAPSCO	14M	9-58	-	-	-	-	-	-	U	N	Z	AD 77
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AD 78
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	AD 79
PATAPSCO	43M	4-60	-	-	200	-	3	4.4	U	T	U Q D	AD 80
PATAPSCO	18	5-58	30	5-58	50	5-58	3	4.2	C	J	D	AD 81

WATER USE CODES

A AIR CONDITION
C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
R RECHARGE
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
AD 83	16106	WILFONG J H	LAYNE-ATLANTIC CO.	1954	145	81	4	S	76	5
AD 85	-	BALTO-WASH INTR AIRPORT	-	-	130	36	48	W	-	-
AD 86	38662	ARUNDEL ARENA, INC.	LAYNE-ATLANTIC CO.	1960	20	230	10	S	206	20
AD 87	39464	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	70	152	6	S	132	20
AD 88	39818	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	70	164	6	S	159	5
AD 89	39764	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	79	128	6	S	96	10 10
AD 90	40298	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	79	453	6	S	443	10
AD 91	39973	RITCHIE FARMERS MARKET	LAYNE-ATLANTIC CO.	1960	85	146	8	S	136	10
AD 92	42030	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	70	453	10	S	443	10
AD 93	AA66W1456	COOP FERTILIZER CO.	FRANK'S WELL DRILLING CO.	1966	17	260	6	S	-	10
AD 94	26010	MATLACK INC.	SAM SHANNAHAN WELL CO.	1957	38	213	6	S	198	15
AD 95	9583	MATLACK INC.	WILLIAM H. EILER	1953	38	211	4	S	201	10
AD 96	AA67W1279	USS AGRICULTURAL CHEMICALS	FRANK'S WELL DRILLING CO.	1967	15	370	6	S	355	15
AE 1	-	USS AGRICULTURAL CHEMICALS	-	1918	10	350	8	-	-	-
AE 2	-	COOP FERTILIZER CO.	OWNER	1936	10	23	48	W	-	-
AE 3	-	COOP FERTILIZER CO.	OWNER	1936	10	65	48	-	-	-
AE 4	-	U S COAST GUARD YARD	-	1934	22	193	10	S	185	7
AE 5	-	U S COAST GUARD YARD	-	-	15	189	6	-	-	-
AE 6	-	U S COAST GUARD YARD	DOWNIN	1901	20	216	6	-	-	-
AE 7	-	U S COAST GUARD YARD	-	-	20	100	-	-	-	-
AE 8	-	SOLLEYS GROCERY	-	1893	50	43	-	W	-	-
AE 9	-	SOLLEYS GROCERY	-	1883	50	45	48	-	-	-
AE 10	-	U S ARMY ORDNANCE DEPOT	-	1917	16	76	10	S	-	-
AE 11	-	U S ARMY ORDNANCE DEPOT	-	1918	17	75	8	X	48	-
AE 12	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	38	-	-	-	-
AE 13	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	39	-	-	-	-
AE 14	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	52	-	-	-	-
AE 15	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	52	-	-	-	-
AE 16	-	BALTO CITY WATER DEPT	UNDERGROUND EXPLORATION CO.	-	0	40	-	-	-	-
AE 17	-	U S COAST GUARD	-	-	22	192	-	-	-	-
AE 18	-	U S COAST GUARD	-	-	20	190	-	-	-	-
AE 19	-	U S COAST GUARD	-	-	20	195	-	-	-	-

FINISH CODES

S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	56	8-54	64	8-54	8	8-54	3	1.0	H	J	Q D	AD 83
-	26M	4-60	-	-	-	-	-	-	U	N	U	AD 85
PATUXENT	28M	7-60	-	-	250	-	8	-	A	T	D	AD 86
PATAPSCO	20M	7-60	-	-	250	-	32	3.6	U	-	T D E	AD 87
PATAPSCO	17M	10-60	-	-	-	-	-	-	U	N	U	AD 88
PATAPSCO PATAPSCO	7M	8-60	-	-	302	-	8	3.9	U	-	T D	AD 89
PATUXENT	34M	10-60	-	-	315	-	8	4.0	U	-	O D E	AD 90
PATAPSCO	27M	11-60	-	-	289	-	8	2.7	U	N	Z D E	AD 91
PATUXENT	52	6-61	370	6-61	260	6-61	-	0.8	U	-	Z E	AD 92
PATAPSCO	30	6-66	60	6-66	70	6-66	6	2.3	N	S	D E	AD 93
PATUXENT	34	5-57	65	5-57	75	5-57	10	2.4	C	S	D	AD 94
PATUXENT	30	1-53	55	1-53	50	1-53	16	2.0	U	-	Z D	AD 95
PATUXENT	20	6-67	45	6-67	400	6-67	25	16.0	N	T	D	AD 96
PATUXENT	42M	8-43	-	-	-	-	-	-	U	A	Z Q	AE 1
-	14M	8-43	-	-	9	-	-	-	U	P	Z Q	AE 2
PATAPSCO	7M	8-43	-	-	-	-	-	-	U	P	Z	AE 3
PATAPSCO	24	-41	-	-	-	-	-	-	F	T	Q D	AE 4
PATAPSCO	-	-	-	-	150	-	-	-	U	-	U D	AE 5
PATAPSCO	10	-	-	-	20	-	-	-	-	-		AE 6
PATAPSCO	-	-	-	-	-	-	-	-	U	-	U	AE 7
PATAPSCO	-	-	-	-	-	-	-	-	C	-		AE 8
PATAPSCO	-	-	-	-	-	-	-	-	H	-		AE 9
PATAPSCO	13	-18	30	-18	35	-18	-	2.1	U	-	U	AE 10
PATAPSCO	16	11-18	-	-	20	-	-	-	U	-	U D	AE 11
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AE 12
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AE 13
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AE 14
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AE 15
PATAPSCO	-	-	-	-	-	-	-	-	U	-	T D	AE 16
PATAPSCO	24	-	-	-	-	-	-	-	-	-		AE 17
PATAPSCO	-	-	-	-	-	-	-	-	-	-	D	AE 18
PATAPSCO	-	-	-	-	-	-	-	-	-	-	D	AE 19

WATER USE CODES

A AIR CONDITION
C COMMERCIAL
F FIRE PROTECT.
H DOMESTIC
N INDUSTRIAL
U UNUSED

PUMP TYPE CODES

A AIR LIFT
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
AE 20	-	U S COAST GUARD	-	-	20	400	-	-	-	-
AE 21	-	LARKIN, C L	-	1940	25	31	36	W	-	-
AE 22	-	ZAMOSTNYS AMOCO	DIETZ	1937	50	150	6	S	146	-
AE 24	-	CIORDANO BROS	-	1936	0	84	4	-	-	-
AE 25	-	SMITH, DR BRADY	-	-	20	150	4	-	-	-
AE 26	-	FEDDON, JOHN L	W. E. REIBOLD	1946	10	55	3	-	-	-
AE 27	64	REINHARDT, GEORGE J	WILLIAM H. EILER	1946	10	54	3	-	-	-
AE 28	66	CLARK, HARRY M	WILLIAM H. EILER	1946	10	238	3	-	-	-
AE 32	2603	MIAMI RUBBER CO	LAYNE-ATLANTIC CO.	1948	10	111	5	S	106	5
AE 33	5593	SOLLEY ELEMENTARY SCHOOL	LAYNE-ATLANTIC CO.	1950	50	108	6	S	103	5
AE 34	14685	SOLLEY ELEMENTARY SCHOOL	H. H. BUNKER AND SONS, INC.	1954	50	212	6	S	207	5
AE 35	45409	DIAMOND SHAMROCK CHEM CO	SHANNAHAN ARTESIAN WELL CO.	1961	30	567	2	Z	538	14
AE 36	46091	DIAMOND SHAMROCK CHEM CO	SHANNAHAN ARTESIAN WELL CO.	1962	30	555	16	S	450	73
BB 1	-	DISTRICT TRAINING SCHOOL	CHAS. HAGGERMAN	1927	150	135	-	-	-	-
BB 2	-	DISTRICT TRAINING SCHOOL	-	1928	150	222	8	-	177	20
BB 3	-	DISTRICT TRAINING SCHOOL	VIRGINA MACHINERY & WELL CO.	1930	150	240	10	S	-	10
BB 4	-	DISTRICT TRAINING SCHOOL	LAYNE-ATLANTIC CO.	1932	110	195	24	G	-	-
BB 5	-	DISTRICT TRAINING SCHOOL	WASHINGTON PUMP AND WELL CO.	1944	115	199	12	S	146	24
BB 7	-	MD HOUSE OF CORRECTION	DOWNIN	1907	225	675	6	X	275	400
BB 8	-	MD HOUSE OF CORRECTION	DOWNIN	1907	225	675	6	X	275	400
BB 9	-	U S ARMY, FORT MEADE	-	1917	160	96	-	-	-	-
BB 10	-	U S ARMY, FORT MEADE	-	1917	183	186	-	-	-	-
BB 11	-	U S ARMY, FORT MEADE	-	1917	296	352	-	-	-	-
BB 12	-	U S ARMY, FORT MEADE	SYDNOR PUMP AND WELL CO.	1917	201	188	10	-	-	-
BB 13	-	U S ARMY, FORT MEADE	SYDNOR PUMP AND WELL CO.	1917	130	166	10	-	-	-
BB 16	-	BARBER, PAUL	WASHINGTON PUMP AND WELL CO.	1905	160	80	-	-	-	-
BB 17	-	FORMERLY A.A.CO BD EDUCATION	-	1933	170	46	6	-	-	-
BB 18	-	HARRIS, WM J	-	-	174	108	-	-	-	-
BB 19	157	HARRIS, WM J	WASHINGTON PUMP AND WELL CO.	1946	170	72	6	S	65	7
BB 20	-	DISTRICT TRAINING SCHOOL	SHANNAHAN ARTESIAN WELL CO.	-	210	208	5	S	-	-
BB 21	249	HALL, EDWARD	THEODORE N. SMITH	1946	180	160	6	-	-	-
BB 22	1432	LAUREL RACE COURSE	LAYNE-ATLANTIC CO.	1947	150	60	5	S	50	10

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE
Z OTHER

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATUXENT	-	-	-	-	-	-	-	-	-	-	D	AE 20
-	26M	1-46	-	-	-	-	-	-	H	C		AE 21
PATAPSCO	60	-	-	-	-	-	-	-	H	P	Q	AE 22
PATAPSCO	F	1-46	-	-	2	-	-	-	H	-		AE 24
PATAPSCO	28M	12-56	-	-	-	-	-	-	H	J		AE 25
PATAPSCO	13	3-46	18	3-46	10	3-46	-	2.0	H	P	D	AE 26
PATAPSCO	11	5-46	14	5-46	10	5-46	-	3.3	H	P	D	AE 27
PATAPSCO	19	6-46	21	6-46	6	6-46	-	3.0	H	P	D	AE 28
PATAPSCO	12	5-48	-	-	15	-	5	-	-	-	D	AE 32
PATAPSCO	-	-	-	-	100	-	-	-	U	N	Z D	AE 33
PATAPSCO	50	4-54	63	4-54	60	4-54	-	4.6	T	-	D	AE 34
PATUXENT	37	11-61	46	11-61	22	11-61	4	2.4	U	N	T D	AE 35
PATUXENT	36	4-62	76	4-62	740	4-62	24	18.5	N	T	D	AE 36
PATUXENT	-	-	-	-	-	-	-	-	U	N	U	BB 1
PATUXENT	-	-	-	-	35	-	-	-	T	T		BB 2
PATUXENT	24	-43	58	-43	43	-43	-	1.3	T	P		BB 3
PATUXENT	20	-32	-	-	110	-	-	-	T	T		BB 4
PATUXENT	13M	9-44	-	-	69	-	-	-	T	T	Q D	BB 5
BASEMENT COMPLEX	60	-	-	-	50	-	-	-	U	N	U	BB 7
BASEMENT COMPLEX	60	-	-	-	50	-	-	-	U	N	U	BB 8
CRETACEOUS	-	-	-	-	-	-	-	-	U	N	U	BB 9
CRETACEOUS	-	-	-	-		-	-	-	U	N	U	BB 10
PATUXENT	-	-	-	-	-	-	-	-	U	N	Z	BB 11
CRETACEOUS	85	-	-	-	115	-	-	-	U	N	U	BB 12
CRETACEOUS	50	-	-	-	-	-	-	-	U	N	U	BB 13
PATUXENT	24M	12-45	-	-	40	-	-	-	H	J		BB 16
PATUXENT	44M	12-45	-	-	15	-	-	-	U	N	U	BB 17
PATUXENT	22M	4-46	-	-	-	-	-	-	U	N	U	BB 18
PATUXENT	21M	2-56	-	-	8	-	-	0.3	H	J	Q D	BB 19
PATUXENT	80M	2-46	-	-	-	-	-	-	T	-	D	BB 20
PATUXENT	51	4-46	57	4-46	19	4-46	1	3.2	H	-	D	BB 21
PATUXENT	3M	6-60	-	-	60	-	8	5.5	C	T	Q D	BB 22

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

C CENTRIFUGAL
J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BB 23	-	STEPHENSON, B Y	EDMONDSON	-	145	-	-	-	-	-
BB 24	9633	BELL, MARY A	LAYNE-ATLANTIC CO.	1952	270	180	4	S	170	5
BB 25	-	CLARK, THOMAS	-	-	240	145	6	-	-	-
BB 26	10984	U S ARMY, FORT MEADE	H. H. BUNKER AND SONS, INC.	1952	290	188	6	S	183	5
BB 33	26070	LAUREL JOINT VENTURE	LAYNE-ATLANTIC CO.	1957	235	193	6	S	167	10
BB 34	26071	LAUREL JOINT VENTURE	LAYNE-ATLANTIC CO.	1957	165	126	6	S	94	10
BB 37	8358	PARKWAY MANOR MOTEL	LAYNE-ATLANTIC CO.	1951	290	240	6	S	228	10
BB 38	25503	PARKWAY MANOR MOTEL	H. H. BUNKER AND SONS, INC.	1956	290	276	6	S	266	10
BB 44	-	SINGLETON, ROSCOE	-	1949	225	44	48	-	-	-
BB 46	29418	U S ARMY, FORT MEADE	H. H. BUNKER AND SONS, INC.	1958	200	218	4	S	213	5
BB 47	37288	STARTING GATE RESTAURANT	H. H. BUNKER AND SONS, INC.	1960	220	108	4	S	103	5
BB 48	15746	LAUREL RACE COURSE	LAYNE-ATLANTIC CO.	1954	143	62	6	S	52	10
BB 49	1432	LAUREL RACE COURSE	LAYNE-ATLANTIC CO.	1947	147	61	6	S	52	10
BB 50	38337	COLONY 7 MOTOR INN	LAYNE-ATLANTIC CO.	1960	170	161	6	S	151	10
BB 51	31862	DAILY DOUBLE BINGO	SHANNAHAN ARTESIAN WELL CO.	1958	150	68	6	S	48	10
BB 52	-	DAILY DOUBLE BINGO	-	-	-	13	36	O	-	-
BB 54	41034	COLONY 7 MOTOR INN	LAYNE-ATLANTIC CO.	1960	170	223	6	S	218	5
BB 55	16608	WELSH, ROBERT L	LAYNE-ATLANTIC CO.	1954	135	145	6	S	140	5
BB 57	38779	MD HOUSE OF CORRECTION	SHANNAHAN ARTESIAN WELL CO.	1960	155	85	4	S	64	10
BB 59	6210	FAIRVIEW TRAILER COURT	WASHINGTON PUMP AND WELL CO.	1950	155	99	6	S	94	5
BB 60	11317	FAIRVIEW TRAILER COURT	LAYNE-ATLANTIC CO.	1952	165	136	6	S	136	5
BB 61	38024	FAIRVIEW TRAILER COURT	SHANNAHAN ARTESIAN WELL CO.	1960	180	126	6	S	116	10
BB 62	29364	BARBERSVILLE DEVELOPMENT	LAYNE-ATLANTIC CO.	1957	270	209	6	S	204	5
BB 63	23865	BARBER, WILLIAM	LAYNE-ATLANTIC CO.	1956	215	197	8	S	178	10
BB 64	47686	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	165	140	8	S	104	20
BB 65	AA64W7687	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1968	210	184	8	S	146	-
BB 66	AA66W 811	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1965	160	126	10	S	78	30
BB 67	AA68W 666	U S ARMY, FORT MEADE	SHANNAHAN ARTESIAN WELL CO.	1968	130	516	4	S	461	20
BB 68	AA68W 753	U S ARMY, FORT MEADE	SHANNAHAN ARTESIAN WELL CO.	1968	130	497	16	S	454	43
BB 69	AA71 757	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1971	205	145	8	G	100	45
BB 70	50529	COLONY 7 MOTOR INN	LAYNE-ATLANTIC CO.	1963	170	219	6	S	214	5
BB 71	53130	PARKWAY MANOR MOTEL	H. H. BUNKER AND SONS, INC.	1963	290	310	6	S	285	25
BB 72	AA69 553	HOLIDAY INN	H. H. BUNKER AND SONS, INC.	1969	225	200	6	S	190	10

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
-	11M	10-51	-	-	-	-	-	-	H	-		BB 23
PATUXENT	140	3-52	160	3-52	15	3-52	16	0.8	U	J	U D	BB 24
PATUXENT	58M	3-52	-	-	-	-	-	-	U	N	U	BB 25
CRETACEOUS	151	10-52	174	10-52	14	10-52	4	0.6	U	-	U D	BB 26
PATUXENT	98	3-57	174	3-57	278	3-57	4	3.7	U	-	T D	BB 33
PATUXENT	27	3-57	103	3-57	315	3-57	4	4.1	U	-	T D	BB 34
PATUXENT	172	8-51	190	8-51	20	8-51	6	1.1	U	N	Z D	BB 37
PATUXENT	-	-	190	-	15	-	24	0.3	C	S	Q D	BB 38
CRETACEOUS	42M	10-59	-	-	-	-	-	-	U	N	U	BB 44
CRETACEOUS	120	3-58	-	-	25	-	3	-	U	S	U D	BB 46
PATUXENT	76M	4-60	-	-	10	-	1	1.4	C	-	D	BB 47
PATUXENT	5M	6-60	-	-	100	-	-	-	C	T	D	BB 48
PATUXENT	4M	6-60	-	-	100	-	-	11.1	C	T	D	BB 49
PATUXENT	31	6-60	125	6-60	200	6-60	136	2.1	U	N	T D E	BB 50
PATUXENT	18	8-58	31	8-58	32	8-58	4	2.5	C	S	D	BB 51
PATUXENT	-	-	-	-	-	-	-	-	U	-	Z	BB 52
PATUXENT	60	11-60	140	11-60	330	11-60	-	4.1	C	-	D	BB 54
PATUXENT	24	8-54	-	-	100	-	-	-	P	J	Q D	BB 55
PATUXENT	17	4-60	24	4-60	25	4-60	4	3.6	T	-	D	BB 57
PATUXENT	45	9-50	60	9-50	30	9-50	12	2.0	P	J	D	BB 59
PATUXENT	62	11-52	103	11-52	50	11-52	3	1.2	P	T	D	BB 60
PATUXENT	61	3-60	78	3-60	60	3-60	-	3.5	P	S	D	BB 61
PATUXENT	147	12-57	203	12-57	35	12-57	3	0.6	P	S	D	BB 62
PATUXENT	118	7-56	155	7-56	100	7-56	4	2.7	P	-	D	BB 63
PATUXENT	57M	6-62	-	-	300	-	24	6.3	P	T	D E	BB 64
PATUXENT	93M	6-62	-	-	270	-	5	5.2	P	T	D E	BB 65
PATUXENT	47	12-65	72	12-65	250	12-65	24	10.0	P	T	D E	BB 66
PATUXENT	62	2-68	102	2-68	60	2-68	4	1.5	U	-	T D	BB 67
PATUXENT	65	4-68	225	4-68	700	4-68	4	4.4	P	-	D	BB 68
PATUXENT	68	5-71	99	5-71	300	5-71	24	9.7	P	T	D	BB 69
PATUXENT	44	4-63	119	4-63	190	4-63	8	2.5	C	T	D	BB 70
PATUXENT	200	10-63	208	10-63	12	10-63	5	1.5	C	S	D	BB 71
PATUXENT	98	10-69	180	10-69	35	10-69	24	0.4	C	S	D	BB 72

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BB 73	AA70 323	HOLIDAY INN	H. H. BUNKER AND SONS, INC.	1969	225	192	6	S	182	10
BB 74	45224	U S ARMY, FORT MEADE	LAYNE-ATLANTIC CO.	1961	170	225	6	S	180	15
BB 75	AA66W 36	U S ARMY, FORT MEADE	LAYNE-ATLANTIC CO.	1965	170	195	8	S	180	15
BC 1	-	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1944	130	166	10	S	146	20
BC 2	-	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1908	130	165	4	-	-	-
BC 3	-	SEVERN ELEMENTARY SCHOOL	WASHINGTON PUMP AND WELL CO.	-	160	105	6	-	-	-
BC 4	-	U S ARMY, FORT MEADE	SYDNOR PUMP AND WELL CO.	1917	125	43	-	-	-	-
BC 5	-	U S ARMY, FORT MEADE	SYDNOR PUMP AND WELL CO.	1917	124	253	-	-	-	-
BC 6	-	U S ARMY, FORT MEADE	-	1917	150	138	-	-	-	-
BC 7	-	U S ARMY, FORT MEADE	-	1917	183	292	-	-	-	-
BC 8	-	U S ARMY, FORT MEADE	SYDNOR PUMP AND WELL CO.	1917	139	593	10	-	-	-
BC 9	-	U S ARMY, FORT MEADE	-	1917	148	245	-	-	-	-
BC 10	-	U S ARMY, FORT MEADE	-	1917	164	243	-	S	-	-
BC 11	-	MEADAWAY RESTAURANT	WASHINGTON PUMP AND WELL CO.	1942	170	127	6	S	118	9
BC 12	-	BARATTINI, MRS LOUIS	LEATHERBURY	1942	170	125	3	S	-	-
BC 17	-	WEBER, GEORGE	-	-	150	50	48	W	-	-
BC 20	-	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1945	131	180	8	S	160	20
BC 21	214	BARATTINI, MRS LOUIS	H. H. BUNKER AND SONS, INC.	1946	170	96	6	S	86	10
BC 22	-	ODENTON VOLUNTEER FIRE CO	-	1946	165	25	36	-	-	-
BC 24	-	O'MALLEY, MURRAY F	CUNNINGHAM	-	150	315	6	-	-	-
BC 26	-	SHAW, JAMES	-	1883	230	56	36	-	-	-
BC 28	458	KOWALSKI, STEVE	THEODORE N. SMITH	1946	200	210	6	O	206	-
BC 29	-	OLD FARM INN	H. H. BUNKER AND SONS, INC.	1942	250	140	4	S	-	6
BC 30	827	OTTO, J H	GEO. E. CROUSE	1946	180	148	4	-	-	-
BC 31	2135	A D RIDEN CO	WASHINGTON PUMP AND WELL CO.	1947	145	91	6	S	86	5
BC 35	2230	BURMICK, ERNEST	GEO. E. CROUSE	1948	180	130	4	-	-	-
BC 38	3444	ODENTON VOLUNTEER FIRE CO	LAYNE-ATLANTIC CO.	1948	162	187	6	S	177	10
BC 39	1275	CENTURY DUNBRIC & DUNSTON CO	GEO. E. CROUSE	1947	140	152	4	-	-	-
BC 40	1710	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1947	130	168	12	S	146	22
BC 42	5116	MD FOREST SERVICE	R. L. BUNKER	1949	125	43	4	S	38	5
BC 47	5895	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1950	137	185	18	G	153	32
BC 48	-	COURVILLE, F E	-	-	110	-	6	-	-	-
BC 49	-	SMITH, N C	GEO. E. CROUSE	1942	125	97	6	-	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PATUXENT	94	10-69	180	10-69	50	10-69	16	0.6	C	S	D	BB 73
PATUXENT	50	12-61	137	12-61	200	12-61	12	2.3	U	N	T D	BB 74
PATUXENT	51	7-65	129	7-65	150	7-65	24	1.9	-	T	D	BB 75
PATAPSCO	41	-	88	-	250	-	-	5.3	N	T	D	BC 1
PATAPSCO	-	-	-	-	80	-	-	-	N	T		BC 2
PATAPSCO	-	-	-	-	15	-	-	-	U	-		BC 3
PATAPSCO	18	-	-	-	20	-	-	-	U	N	U	BC 4
CRETACEOUS	60	-	-	-	115	-	-	-	U	N	U	BC 5
CRETACEOUS	38	-	-	-	50	-	-	-	U	N	U	BC 6
CRETACEOUS	80	-	-	-	65	-	-	-	U	N		BC 7
BASEMENT COMPLEX	70	-	-	-	100	-	-	-	U	N	Z	BC 8
CRETACEOUS	-	-	-	-	-	-	-	-	U	N	Z	BC 9
CRETACEOUS	80	-	-	-	100	-	-	-	U	N	U	BC 10
PATAPSCO	-	-	-	-	15	-	-	-	C	P	D	BC 11
PATAPSCO	-	-	-	-	3	-	-	-	U	N	Z	BC 12
PATAPSCO	33M	3-46	-	-	-	-	-	-	H	-		BC 17
PATAPSCO	42	6-45	94	6-45	307	6-45	-	5.9	N	T		BC 20
PATAPSCO	30	2-46	-	-	35	-	-	-	U	-	Z D	BC 21
CRETACEOUS	17	-	-	-	-	-	-	-	F	-		BC 22
PATAPSCO	-	-	-	-	50	-	-	-	U	N	U	BC 24
CRETACEOUS	53M	4-46	-	-	-	-	-	-	H	-		BC 26
PATUXENT	106M	7-46	-	-	-	-	-	-	H	-	D	BC 28
PATAPSCO	120	-	-	-	-	-	-	-	C	-		BC 29
PATAPSCO	113	12-46	-	-	-	-	-	-	H	P	D	BC 30
PATAPSCO	30	11-47	50	11-47	15	11-47	6	0.8	H	P	D	BC 31
PATAPSCO	90	3-48	-	-	6	-	4	-	U	-	U D	BC 35
PATAPSCO	77M	2-53	-	-	30	-	8	-	F	-	D	BC 38
PATAPSCO	45	5-47	60	5-47	5	5-47	2	0.3	N	J	D	BC 39
PATAPSCO	37	12-47	105	12-47	615	12-47	24	9.0	N	T	Q D	BC 40
PATAPSCO	14	12-49	-	-	15	-	2	-	H	J	D	BC 42
PATAPSCO	51M	10-51	-	-	281	-	8	12.2	N	T	D	BC 47
-	30M	12-51	-	-	-	-	-	-	H	J		BC 48
PATAPSCO	30M	12-51	-	-	-	-	-	-	H	J		BC 49

WATER USE CODES

C COMMERCIAL
F FIRE PROTECT.
H DOMESTIC
N INDUSTRIAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BC 50	-	CHASE, J H	-	-	223	-	4	-	-	-
BC 51	-	MOORE, T K	H. H. BUNKER AND SONS, INC.	-	180	96	4	-	-	-
BC 52	11226	HOLLENBECK, CHARLES	R. L. BUNKER	-	194	182	4	S	177	5
BC 53	11814	PENNSYLVANIA RAILROAD CO	DONALD BUNKER	1953	160	180	6	G	175	5
BC 55	-	MAYS, CECIL	GEO. E. CROUSE	1953	126	127	3	-	-	-
BC 57	29547	WHITMORE'S RESTAURANT	LAYNE-ATLANTIC CO.	1957	160	93	4	S	88	5
BC 59	-	-	-	-	150	26	36	-	-	-
BC 60	-	-	-	-	165	30	-	-	-	-
BC 61	-	TOLES, MR.	-	-	145	31	-	-	-	-
BC 62	-	-	-	-	105	18	36	-	-	-
BC 63	-	OWENS, HARRY	-	-	140	38	36	-	-	-
BC 64	-	JOHNS, MCGINNIS	-	-	180	32	48	-	-	-
BC 66	-	FORMERLY A.A.CO BD EDUCATION	-	1951	150	34	36	-	-	-
BC 67	-	ST MARKS METHODIST CHURCH	-	-	130	28	-	W	-	-
BC 68	19158	MAYS, BENJ.	LAYNE-ATLANTIC CO.	1955	160	120	4	S	115	5
BC 69	-	BALTO-WASH INTR AIRPORT	-	-	160	82	6	-	-	-
BC 72	27327	CHESAPEAKE MOBILE HOMES	LAYNE-ATLANTIC CO.	1957	205	144	6	S	139	5
BC 73	36344	BISOGNE, A D	H. H. BUNKER AND SONS, INC.	1959	143	36	4	S	31	5
BC 74	14779	TIDEWATER HARDWOOD LUMBER	GEO. E. CROUSE	1954	140	96	6	-	-	-
BC 76	32540	V F W POST 160	LAYNE-ATLANTIC CO.	1958	135	84	4	S	79	5
BC 77	24411	ROBINHOOD DELL MOBILE HOMES	G. EDGAR HARR SONS' CORP.	1957	180	340	-	-	-	-
BC 85	-	BALTO-WASH INTR AIRPORT	US GEOLOGICAL SURVEY	1959	125	15	4	X	-	-
BC 88	21457	BRODSKYS MODERN TRAILER PARK	LAYNE-ATLANTIC CO.	1955	175	136	6	S	131	5
BC 89	30181	BRODSKYS MODERN TRAILER PARK	LAYNE-ATLANTIC CO.	1958	175	127	6	S	122	5
BC 92	20216	ADA VALLEY INC	LAYNE-ATLANTIC CO.	1955	180	495	-	-	-	-
BC 94	-	MARCHAK, STEPHEN A	-	1885	235	36	-	W	-	-
BC 95	38260	MARCHAK, STEPHEN A	-	1960	235	53	6	S	48	5
BC 96	-	MD FOREST SERVICE	H. H. BUNKER AND SONS, INC.	1949	120	50	-	-	-	-
BC 99	30748	BARATTINI, MRS LOUIS	H. H. BUNKER AND SONS, INC.	1958	165	121	4	S	116	5
BC 100	32196	ODENTON PHARMACY	LAYNE-ATLANTIC CO.	1958	165	94	6	S	89	5
BC 105	-	MITCHELL, MELVIN R	-	-	150	12	48	O	-	-
BC 107	38164	ATAS, CHARLES	H. H. BUNKER AND SONS, INC.	1960	165	189	4	S	184	5
BC 108	37429	SINCLAIR REFINING CO	H. H. BUNKER AND SONS, INC.	1959	165	112	-	S	107	5

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
-	128M	11-51	-	-	-	-	-	-	H	P		BC 50
PATAPSCO	85M	12-51	-	-	-	-	-	-	H	J		BC 51
PATAPSCO	92M	6-61	-	-	-	-	-	-	H	P	D	BC 52
PATAPSCO	51	11-53	-	-	35	-	5	-	C	S	D	BC 53
PATAPSCO	30M	2-53	-	-	-	-	-	-	H	-		BC 55
PATAPSCO	38	11-57	60	11-57	30	11-57	3	1.4	C	S	D	BC 57
PATAPSCO	26M	3-55	-	-	-	-	-	-	-	-		BC 59
PATAPSCO	27M	3-55	-	-	-	-	-	-	H	P		BC 60
PATAPSCO	28M	3-55	-	-	-	-	-	-	H	J		BC 61
PATAPSCO	15M	3-55	-	-	-	-	-	-	-	-		BC 62
PATAPSCO	38M	3-55	-	-	-	-	-	-	H	P		BC 63
PATAPSCO	30M	3-55	-	-	-	-	-	-	H	P		BC 64
PATAPSCO	27M	4-56	-	-	-	-	-	-	H	-		BC 66
PATAPSCO	23M	10-59	-	-	-	-	-	-	H	P		BC 67
PATAPSCO	40	5-55	48	5-55	35	5-55	3	4.4	H	J	Q D	BC 68
PATAPSCO	54M	5-58	-	-	-	-	-	-	H	P	Q	BC 69
PATAPSCO	97	9-57	140	9-57	100	9-57	3	2.3	P	T	E J	BC 72
CRETACEOUS	12	10-59	28	10-59	5	10-59	1	0.3	H	-	D	BC 73
PATAPSCO	33	6-54	60	6-54	15	6-54	4	0.6	N	J	Q D	BC 74
PATAPSCO	22	9-58	55	9-58	35	9-58	3	1.1	C	S	D	BC 76
	-	-	-	-	-	-	-	-	U	N	Z D	BC 77
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	BC 85
PATAPSCO	65	11-55	90	11-55	310	11-55	4	12.4	P	T	Q D	BC 88
PATAPSCO	69	4-58	110	4-58	275	4-58	8	6.7	U	N	Z D	BC 89
CRETACEOUS	-	-	-	-	-	-	-	-	U	N	T D	BC 92
CRETACEOUS	33M	3-60	-	-	-	-	-	-	U	J	U	BC 94
PATAPSCO	41	3-60	43	3-60	12	3-60	2	6.0	H	J	D	BC 95
PATAPSCO	-	-	-	-	-	-	-	-	-	J	Q	BC 96
PATAPSCO	45	6-58	-	-	80	-	1	-	P	S	D	BC 99
PATAPSCO	26	8-58	66	8-58	75	8-58	3	1.9	C	J	D	BC 100
PATAPSCO	7M	4-60	-	-	-	-	-	-	H	-		BC 105
PATAPSCO	89M	3-60	-	-	35	-	1	1.1	H	J	D	BC 107
PATAPSCO	50M	4-60	-	-	10	-	1	0.4	C	J	Q D	BC 108

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BC 112	-	STEWART, MRS CARL H	-	-	150	34	-	W	-	-
BC 118	-	SHIPLEY, IRVIN E	-	1925	270	64	36	W	-	-
BC 120	-	KENT NARROWS REALTY CO	-	-	250	64	36	W	-	-
BC 126	15573	HARMANS ELEM SCHOOL	LAYNE-ATLANTIC CO.	1954	210	138	6	S	133	5
BC 128	16809	RIDGEWAY ELEM SCHOOL	LAYNE-ATLANTIC CO.	1955	125	102	6	S	97	5
BC 137	-	CONSTANT, ANTHONY	LAYNE-ATLANTIC CO.	1950	242	171	4	S	166	5
BC 142	18114	CEDARHURST WATER CO.	H. H. BUNKER AND SONS, INC.	1955	150	153	6	S	143	10
BC 143	-	EHMKE, THEODORE	-	-	220	31	36	-	-	-
BC 145	-	MONTGOMERY, MILDRED B	-	-	155	10	40	W	-	-
BC 146	-	WARFEL, DAVID	-	1951	160	12	36	W	-	-
BC 148	8690	AMERICAN LEGION POST 199	H. H. BUNKER AND SONS, INC.	1951	165	101	4	S	96	5
BC 149	23942	SID'S DEPARTMENT STORE	LAYNE-ATLANTIC CO.	1956	165	88	4	S	83	5
BC 150	24091	JOSEPH'S BEAUTY SALON	LAYNE-ATLANTIC CO.	1956	165	98	6	S	93	5
BC 151	15696	GORDON, YALE	WILLIAM H. EILER	1954	165	83	6	S	78	5
BC 152	12702	CHESAPEAKE & POTOMAC TELE	MARYLAND DRILLING CO.	1953	165	111	4	S	106	5
BC 153	12287	ODENTON LODGE 209 AF & AM	LAYNE-ATLANTIC CO.	1953	150	186	4	S	181	5
BC 154	-	PUMPHREY, MAISIE	-	1917	165	27	36	W	-	-
BC 155	39423	CHESAPEAKE MOBILE HOMES	LAYNE-ATLANTIC CO.	1960	205	150	6	S	145	5
BC 157	13484	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1953	125	155	18	S	125	30
BC 158	40229	HINSON AVIATION	HOUSTON AND BROWN	1961	143	80	4	S	75	5
BC 159	AA65W 774	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1965	125	435	4	S	290	40
BC 160	AA65W 753	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1965	80	702	-	S	-	-
BC 161	AA65W 777	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1965	80	458	6	S	230	15
BC 162	AA67W1045	GULF SERVICE STATION	CHAS. TRIFILLIS	1967	190	222	4	S	217	5
BC 163	AA68W 667	U S ARMY, FORT MEADE	SHANNAHAN ARTESIAN WELL CO.	1968	130	604	4	S	542	20
BC 164	AA68W 754	U S ARMY, FORT MEADE	SHANNAHAN ARTESIAN WELL CO.	1968	130	594	16	G	493	101
BC 165	AA68W 455	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1968	125	161	12	S	136	25
BC 166	AA69 520	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1969	125	735	4	S	638	31
BC 167	AA66W1316	PIONEER CITY REALTY CO	LAYNE-ATLANTIC CO.	1966	140	412	6	S	260	30
BC 168	AA70 355	PIONEER CITY REALTY CO	LAYNE-ATLANTIC CO.	1969	150	272	6	S	242	30
BC 169	AA70 369	PIONEER CITY REALTY CO	LAYNE-ATLANTIC CO.	1970	145	265	8	S	240	25
BC 170	AA71 35	CITADEL LAND INC.	-	1970	265	567	6	S	500	40
BC 171	AA65W1220	EXXON CHEMICAL COMPANY	LAYNE-ATLANTIC CO.	1965	125	404	-	S	272	48 37

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	13M	4-60	-	-	-	-	-	-	U	-	U	BC 112
CRETACEOUS	50M	4-60	-	-	-	-	-	-	H	P		BC 118
CRETACEOUS	58M	4-60	-	-	-	-	-	-	U	N	U	BC 120
PATAPSCO	96	9-54	121	9-54	140	9-54	5	5.6	U	T	U D	BC 126
PATAPSCO	20	1-55	50	1-55	350	1-55	4	11.7	T	T	Q D	BC 128
PATAPSCO	127	4-50	-	-	15	-	-	-	H	-		BC 137
PATAPSCO	60	7-55	125	7-55	140	7-55	8	2.2	P	S	D	BC 142
PATAPSCO	23M	6-60	-	-	-	-	-	-	U	P	U	BC 143
PATAPSCO	5M	6-60	-	-	-	-	-	-	H	-		BC 145
PATAPSCO	9M	6-60	-	-	-	-	-	-	H	-		BC 146
PATAPSCO	33	9-51	-	-	50	-	2	-	C	J	D	BC 148
PATAPSCO	36	7-56	46	7-56	35	7-56	3	3.5	C	S	D	BC 149
PATAPSCO	37	7-56	49	7-56	35	7-56	3	2.9	C	J	D	BC 150
PATAPSCO	45	7-54	68	7-54	60	7-54	10	2.6	-	S	D	BC 151
PATAPSCO	48	7-53	80	7-53	15	7-53	3	0.5	C	J	D	BC 152
PATAPSCO	60	5-53	80	5-53	20	5-53	3	1.0	C	J	D	BC 153
MAGOTHY	23M	9-60	-	-	-	-	-	-	U	N	U	BC 154
PATAPSCO	97	7-60	145	7-60	60	7-60	12	1.3	P	T	D	BC 155
PATAPSCO	41	12-54	109	12-54	600	12-54	24	8.8	N	T	D	BC 157
PATAPSCO	33M	9-60	-	-	15	-	4	-	C	S	D	BC 158
PATAPSCO	52	2-65	64	2-65	31	2-65	4	2.6	U	N	T D E J	BC 159
-	-	-	-	-	-	-	-	-	U	N	T D E	BC 160
PATAPSCO	1	4-65	110	4-65	250	4-65	24	2.3	U	N	T D E	BC 161
PATUXENT	125	4-67	175	4-67	10	4-67	1	0.2	C	S	D E J	BC 162
PATUXENT	70	2-68	107	2-68	58	2-68	4	1.6	U	N	T D E	BC 163
PATUXENT	70	3-68	153	3-68	884	3-68	24	10.7	P	-	D	BC 164
PATAPSCO	54	2-68	123	2-68	500	2-68	8	7.2	N	-	D	BC 165
PATUXENT	75	2-69	87	2-69	40	2-69	4	3.3	U	-	T D	BC 166
PATAPSCO	64	4-66	165	4-66	112	4-66	24	1.1	U	-	T D E	BC 167
PATAPSCO	72	11-69	96	11-69	175	11-69	8	7.3	U	-	T D	BC 168
PATAPSCO	72	3-70	120	3-70	440	3-70	8	9.2	P	T	D	BC 169
PATUXENT	203	7-70	280	7-70	150	7-70	24	1.9	U	N	T E J D	BC 170
PATAPSCO CRETACEOUS	58	7-65	220	7-65	600	7-65	8	3.7	N	T	D	BC 171

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BC 173	AA70 799	EXXON CHEMICAL COMPANY	SHANNAHAN ARTESIAN WELL CO.	1970	120	680	16	S	628	52
BC 175	AA71 122	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1970	190	243	8	S	223	20
BC 176	AA71 123	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1970	190	280	8	S	260	20
BC 177	51459	HOLIDAY MOBILE ESTATES	H. H. BUNKER AND SONS, INC.	1963	220	257	6	S	247	10
BC 178	AA71 790	HOLIDAY MOBILE ESTATES	FRANK'S WELL DRILLING CO.	1971	240	273	6	G	263	10
BC 179	AA68W 825	DIAMOND INTER-NATIONAL CO	FRANK'S WELL DRILLING CO.	1968	130	225	8	S	210	15
BC 180	AA68W 828	DIAMOND INTER-NATIONAL CO	FRANK'S WELL DRILLING CO.	1968	130	210	8	S	190	15
BC 181	AA73 53	HARMANS ELEM SCHOOL	H. H. BUNKER AND SONS, INC.	1972	210	370	6	G	360	10
BC 182	46278	MACMILLAN BLOED-EL PACKAGING	LAYNE-ATLANTIC CO.	1962	125	130	6	S	115	10
BC 183	52745	WALL, EDWARD J	LAYNE-ATLANTIC CO.	1963	200	362	4	S	356	6
BC 184	AA66W 985	KOPPERS CO, INC	LAYNE-ATLANTIC CO.	1966	125	162	6	S	105	25 10
BC 185	AA67W 305	KOPPERS CO, INC	LAYNE-ATLANTIC CO.	1967	125	359	8	S	334	20
BC 186	AA67W 306	KOPPERS CO, INC	LAYNE-ATLANTIC CO.	1966	125	167	8	S	120	25
BC 187	AA67W1347	BRODSKYS MODERN TRAILER PARK	LAYNE-ATLANTIC CO.	1967	175	127	6	S	122	5
BC 188	AA69 393	MIDWAY INDUS-TRIAL PARK	LAYNE-ATLANTIC CO.	1968	125	107	8	S	92	15
BC 189	AA70 503	DUBIN CONSTRUC-TION CO.	LAYNE-ATLANTIC CO.	1970	120	372	6	S	240	40
BC 190	AA69 54	CEDARHURST WATER CO.	H. H. BUNKER AND SONS, INC.	1968	150	185	6	S	173	15
BC 191	AA70 715	CEDARHURST WATER CO.	H. H. BUNKER AND SONS, INC.	1970	150	173	6	S	163	10
BC 192	AA71 1090	THE PROVINCES WATER CO.	SHANNAHAN ARTESIAN WELL CO.	1971	260	556	10	G	500	56
BC 193	AA71 1103	THE PROVINCES WATER CO.	SHANNAHAN ARTESIAN WELL CO.	1971	255	526	10	G	481	45
BC 194	AA70 667	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1970	190	321	4	S	270	10
BC 195	AA70 370	PIONEER CITY REALTY CO	LAYNE-ATLANTIC CO.	1970	150	220	8	S	182	30
BC 196	AA65W 34	GORDON, YALE	H. H. BUNKER AND SONS, INC.	1964	165	105	4	S	100	5
BC 197	46808	SEVERN ELEMEN-TARY SCHOOL	LAYNE-ATLANTIC CO.	1962	155	130	6	S	125	5
BC 198	46303	ROBINHOOD DELL MOBILE HOMES	LAYNE-ATLANTIC CO.	1962	180	210	6	S	170	20
BC 199	55723	ROBINHOOD DELL MOBILE HOMES	HENRY A. GROPP	1963	180	188	-	-	-	-
BC 200	AA69 283	ROBINHOOD DELL MOBILE HOMES	H. H. BUNKER AND SONS, INC.	1968	190	247	6	S	237	10
BD 1	-	ARUNDEL CORPORATION	LAYNE-ATLANTIC CO.	1927	140	65	48	S	-	-
BD 2	-	MD TRAINING SCH FOR GIRLS	SHANNAHAN ARTESIAN WELL CO.	1932	90	91	10	-	69	-
BD 5	-	DELLA, HOWARD	JOHN NOVAK	1945	40	136	4	-	-	-
BD 6	-	RAE, MR	H. H. BUNKER AND SONS, INC.	1945	2	84	2	-	-	-
BD 7	-	FURMAN, GEORGE B.	-	-	20	80	-	-	-	-
BD 8	-	KAMSCH, ROBERT	JOHN NOVAK	1945	10	81	-	-	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATUXENT	85	11-70	157	11-70	800	11-70	8	11.1	N	-	D	BC 173
PATAPSCO	110	10-70	148	10-70	250	10-70	12	6.6	P	T	D	BC 175
PATAPSCO	105	11-70	139	11-70	300	11-70	12	8.8	P	T	D	BC 176
PATUXENT	118	5-63	120	5-63	175	5-63	24	87.5	P	T	D	BC 177
PATUXENT	150	5-71	200	5-71	155	5-71	24	3.1	P	S	D	BC 178
PATAPSCO	52	7-68	98	7-68	275	7-68	4	6.0	N	S	D	BC 179
PATAPSCO	52	8-68	98	8-68	450	8-68	-	9.8	N	S	D	BC 180
PATUXENT	157	9-72	198	9-72	65	9-72	36	1.6	T	S	D	BC 181
PATAPSCO	38	3-62	88	3-62	200	3-62	8	4.0	N	T	D	BC 182
PATUXENT	125	7-63	154	7-63	6	7-63	4	0.2	H	S	D	BC 183
PATAPSCO	42	2-66	92	2-66	178	2-66	16	3.6	U	N	T D	BC 184
PATUXENT	43	5-67	135	5-67	200	5-67	-	2.2	N	T	D	BC 185
PATAPSCO	32	10-66	121	10-66	200	10-66	8	2.2	F	T	D	BC 186
PATAPSCO	72	6-67	90	6-67	50	6-67	8	2.8	P	S	D	BC 187
PATAPSCO	34	10-68	59	10-68	305	10-68	16	12.2	N	T	D	BC 188
PATAPSCO	48	2-70	130	2-70	250	2-70	12	3.0	U	N	T D	BC 189
PATAPSCO	57	8-68	90	8-68	128	8-68	96	3.9	U	N	Z D	BC 190
PATAPSCO	54	10-70	145	10-70	145	10-70	160	1.6	P	S	D	BC 191
PATUXENT	205	9-71	232	9-71	401	9-71	24	14.9	P	T	D	BC 192
PATUXENT	197	11-71	254	11-71	362	11-71	24	6.4	P	-	D	BC 193
PATAPSCO	103	5-70	163	5-70	180	5-70	35	3.0	U	N	T D	BC 194
PATAPSCO	72	2-70	122	2-70	450	2-70	8	9.0	P	T	D	BC 195
PATAPSCO	38	6-64	40	6-64	15	6-64	1	7.5	-	-	D	BC 196
PATAPSCO	36	5-62	56	5-62	250	5-62	16	12.5	T	T	D	BC 197
CRETACEOUS	80	4-62	170	4-62	130	4-62	8	1.4	U	N	T D	BC 198
CRETACEOUS	121	9-63	170	9-63	100	9-63	48	2.0	P	S	D	BC 199
PATUXENT	123	10-68	180	10-68	25	10-68	30	0.4	P	-	D	BC 200
PATAPSCO	-	-	180	-	178	-	-	3.7	U	N	Z D	BD 1
PATAPSCO	5	-32	22	-32	78	-32	-	4.6	U	-	U D	BD 2
PATAPSCO	25M	1-46	-	-	10	-	-	0.3	-	-	D	BD 5
PATAPSCO	F	-	-	-	6	-	-	-	H	T	Q	BD 6
PATAPSCO	F	-	-	-	20	-	-	-	H	N	Q	BD 7
PATAPSCO	-	-	-	-	10	-	-	-	H	P	D	BD 8

WATER USE CODES

F FIRE PROTECT.
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BD 9	-	SCHERER, JOHN A	-	-	70	29	4	-	-	-
BD 12	-	FURMAN, GEORGE	-	-	80	100	4	-	-	-
BD 18	-	CROUSE, GEORGE	GEO. E. CROUSE	1941	100	106	4	-	-	-
BD 20	553	ANDERSON, MRS. E W	GEO. E. CROUSE	1946	70	75	4	-	-	-
BD 21	-	OLD GLEN THEATRE	H. H. BUNKER AND SONS, INC.	1939	45	108	6	S	88	20
BD 22	-	NEW GLEN THEATRE	H. H. BUNKER AND SONS, INC.	1941	45	110	6	S	100	10
BD 23	2803	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1948	30	617	4	X	-	-
BD 24	1362	PAYNE, AGNES V	CURTIS E. CAMPBELL	1947	85	120	4	-	-	-
BD 25	1292	FISHER, WILLIAM	GEO. E. CROUSE	-	85	76	4	-	-	-
BD 26	781	DICUS, M F	GEO. E. CROUSE	1946	115	73	4	-	-	-
BD 27	627	CHURCHILL, WILLIAM G	GEO. E. CROUSE	1946	120	105	4	-	-	-
BD 28	1049	KIERSEY, BERNARD G	CURTIS E. CAMPBELL	1946	140	68	4	-	-	-
BD 36	2803	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1948	31	123	20	S	98	25
BD 37	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1949	38	115	20	G	90	25
BD 38	8315	ALBERTS, MR	H. H. BUNKER AND SONS, INC.	1950	132	141	4	S	-	-
BD 39	-	STEVENSON, ROBERT	GEO. E. CROUSE	-	110	150	4	-	-	-
BD 40	-	FISHER, JAMES	GEO. E. CROUSE	1949	80	203	4	-	-	-
BD 41	-	RICHARDSON, C O	-	-	110	50	4	-	-	-
BD 42	-	WIESAND	H. H. BUNKER AND SONS, INC.	-	85	85	4	S	80	5
BD 43	8672	SCHUMACHER, HOWARD	GEO. E. CROUSE	1951	100	166	4	-	-	-
BD 44	-	LEIGHT'S STORE	HOUSTON AND BROWN	-	110	65	6	-	-	-
BD 45	11809	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1953	70	556	-	-	-	-
BD 47	-	HANEY, L	-	-	80	22	-	-	-	-
BD 48	-	DICUS, S	-	-	60	20	40	W	-	-
BD 49	-	WELLS, GEORGE	-	-	75	29	36	-	-	-
BD 50	-	-	-	-	125	29	36	-	-	-
BD 51	-	SUNNYSIDE SCHOOL	-	-	135	18	48	W	-	-
BD 52	-	-	-	-	105	33	36	-	-	-
BD 53	-	CHAPPELL, S	OWNER	-	150	62	36	-	-	-
BD 54	-	-	-	-	120	69	48	W	-	-
BD 55	21548	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	70	131	10	S	111	20
BD 56	21550	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	-	62	153	10	S	133	20
BD 57	21549	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1956	68	510	10	S	485	25

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	9M	3-46	-	-	-	-	-	-	H	P		BD 9
PATAPSCO	-	-	-	-	-	-	-	-	U	-	U	BD 12
PATAPSCO	43M	5-46	-	-	-	-	-	-	H	P		BD 18
PATAPSCO	40M	12-51	-	-	-	-	-	-	H	J	D	BD 20
PATAPSCO	-	-	-	-	-	-	-	-	A	T		BD 21
PATAPSCO	8	-	28	-	100	-	-	5.0	A	T		BD 22
PATUXENT	-	-	-	-	16	-	8	-	U	N	T D	BD 23
PATAPSCO	33	8-47	63	8-47	5	8-47	5	0.2	H	J	D	BD 24
PATAPSCO	55	4-47	-	-	5	-	-	-	H	J	D	BD 25
PATAPSCO	48	9-46	-	-	5	-	6	-	H	P	D	BD 26
PATAPSCO	33	8-46	-	-	-	-	-	-	H	N	D	BD 27
CRETACEOUS	51	12-46	-	-	4	-	2	-	H	P	D	BD 28
PATAPSCO	3M	7-51	-	-	439	-	-	6.1	P	T		BD 36
PATAPSCO	7	1-49	67	1-49	450	1-49	48	7.5	P	T	D	BD 37
PATAPSCO	111M	9-51	-	-	-	-	-	-	H	P	D	BD 38
PATAPSCO	45M	12-51	-	-	-	-	-	-	H	P		BD 39
PATAPSCO	30M	12-51	-	-	-	-	-	-	H	J		BD 40
PATAPSCO	23M	12-51	-	-	-	-	-	-	H	J		BD 41
PATAPSCO	37M	12-51	-	-	20	-	-	-	C	-		BD 42
PATAPSCO	76M	12-51	-	-	5	-	4	0.8	H	-	D	BD 43
PATAPSCO	21M	12-51	-	-	-	-	-	-	H	J		BD 44
BASEMENT COMPLEX	-	-	-	-	-	-	-	-	U	N	T D	BD 45
PATAPSCO	22M	3-55	-	-	-	-	-	-	U	P	U	BD 47
PATAPSCO	18M	3-55	-	-	-	-	-	-	H	J		BD 48
PATAPSCO	25M	3-55	-	-	-	-	-	-	H	J		BD 49
PATAPSCO	26M	3-55	-	-	-	-	-	-	H	B		BD 50
CRETACEOUS	17M	3-55	-	-	3	-	-	-	U	N	Z	BD 51
PATAPSCO	31	3-55	-	-	-	-	-	-	H	-		BD 52
CRETACEOUS	62	3-55	-	-	-	-	-	-	H	B		BD 53
PATAPSCO	62M	3-55	-	-	-	-	-	-	H	-		BD 54
PATAPSCO	11	12-55	52	12-55	450	12-55	8	11.0	P	T	D	BD 55
PATAPSCO	7	2-56	118	2-56	350	2-56	4	3.2	P	T	D	BD 56
PATUXENT	12	1-56	127	1-56	475	1-56	4	4.1	P	T	D	BD 57

WATER USE CODES

A AIR CONDITION
C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BD 58	-	-	-	-	65	30	48	W	-	-
BD 60	19686	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	40	236	-	-	-	-
BD 61	19874	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	42	206	10	S	186	21
BD 62	20138	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	20	224	-	-	-	-
BD 63	20138	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	28	180	10	S	160	20
BD 64	28059	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	73	181	12	S	161	-
BD 65	27939	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	90	545	-	X	-	-
BD 66	28416	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1957	85	517	12	S	497	20
BD 67	11809	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1953	70	188	-	-	-	-
BD 69	20684	KAYLORS ROLLER RINK ARENA	DOVE	1955	70	91	2	G	78	5
BD 72	-	BALTO-WASH INTR AIRPORT	US GEOLOGICAL SURVEY	1959	100	107	4	X	-	-
BD 73	24386	PIONEER RESTAURANT	WM. GILLELAND	1956	95	110	4	G	90	6
BD 74	29245	MOOSE LODGE NO 1456	JOSEPH K. HEWITT	1957	95	82	4	S	70	10
BD 75	17547	GLEN BURNIE COACH LINES	LAYNE-ATLANTIC CO.	1955	100	125	6	S	120	5
BD 76	33956	HOWARD JOHNSON RESTAURANT	JOHN H. BROWN	1959	80	146	4	S	138	7
BD 77	33957	HOWARD JOHNSON RESTAURANT	JOHN H. BROWN	1959	80	142	4	S	135	7
BD 78	20137	SUNNYSIDE SCHOOL	LAYNE-ATLANTIC CO.	1955	135	126	6	S	121	5
BD 79	-	SCHERER, JOHN	-	-	125	29	4	-	-	-
BD 81	-	THOMPSON, C F	-	-	80	26	36	-	-	-
BD 82	-	JONES, L N	-	-	130	52	-	-	-	-
BD 83	-	WALKER, M	-	-	130	37	36	-	-	-
BD 84	38721	BROOKWOOD FARMS	H. H. BUNKER AND SONS, INC.	1960	60	95	6	S	85	10
BD 85	4787	BROOKWOOD FARMS	H. H. BUNKER AND SONS, INC.	1949	60	82	6	S	-	-
BD 86	8466	BROOKWOOD FARMS	H. H. BUNKER AND SONS, INC.	1952	60	90	6	S	85	5
BD 87	34569	DICUS, MRS M F	-	1959	115	75	4	-	-	-
BD 88	-	WARFIELD CLAYTON & BARNSL	LAYNE-ATLANTIC CO.	1949	145	228	8	S	208	20
BD 89	33024	ROL-PARK TRAILER VILLAGE	H. H. BUNKER AND SONS, INC.	1958	80	67	6	S	57	10
BD 90	38765	SIMONDS, WAYNE	HOUSTON AND BROWN	1960	150	190	4	S	185	5
BD 91	42029	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	79	160	6	S	155	5
BD 92	42472	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	85	157	10	S	132	25
BD 93	-	KINDER, AUGUST	H. H. BUNKER AND SONS, INC.	1959	142	113	4	S	108	5
BD 94	48154	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	70	176	8	S	150	20
BD 95	50489	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1963	70	178	10	S	150	20

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	28M	11-56	-	-	-	-	-	-	U	N	U	BD 58
-	-	-	-	-	-	-	-	-	U	N	T D	BD 60
PATAPSCO	13	8-55	45	8-55	500	8-55	5	15.6	P	T		BD 61
-	-	-	-	-	-	-	-	-	U	-	T D	BD 62
PATAPSCO	0	9-55	110	9-55	500	9-55	5	4.5	P	T	Q D	BD 63
PATAPSCO	13	9-57	170	9-57	375	9-57	8	2.4	P	T	D	BD 64
BASEMENT COMPLEX	-	-	-	-	-	-	-	-	U	N	T D	BD 65
PATUXENT	31	10-57	214	10-57	375	10-57	8	2.0	P	T		BD 66
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	BD 67
PATAPSCO	40M	2-60	-	-	7	-	12	0.6	H	J	D	BD 69
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	BD 72
PATAPSCO	42M	4-60	-	-	8	-	5	0.3	C	J	Q D	BD 73
PATAPSCO	40	11-57		11-57	-	11-57	3	-	C	S	D	BD 74
PATAPSCO	47	1-55	53	1-55	50	1-55	3	8.3	H	J	Q D	BD 75
PATAPSCO	42	9-59	-	-	30	-	4	-	C	S	D	BD 76
PATAPSCO	43	9-59	-	-	30	-	3	-	C	S	Q D	BD 77
PATAPSCO	70	8-55	80	8-55	30	8-55	3	3.0	U	S	U Q D	BD 78
PATAPSCO	14M	4-60	-	-	-	-	-	-	U	-	U	BD 79
PATAPSCO	25M	4-60	-	-	-	-	-	-	-	-		BD 81
CRETACEOUS	49M	5-60	-	-	-	-	-	-	H	B		BD 82
CRETACEOUS	32M	5-60	-	-	-	-	-	-	H	B		BD 83
PATAPSCO	26	5-60	60	5-60	50	5-60	5	1.5	C	S	D	BD 84
PATAPSCO	24	9-49	-	-	25	-	10	-	C	J	D	BD 85
PATAPSCO	28	3-52	-	-	45	-	10	-	C	J	D	BD 86
CRETACEOUS	43M	5-60	-	-	15	-	-	-	H	J	Q	BD 87
PATAPSCO	66	11-49	-	-	350	-	-	-	I	T	D	BD 88
PATAPSCO	24M	2-61	-	-	20	-	1	-	P	S	D	BD 89
PATAPSCO	129M	4-60	-	-	5	-	2	-	H	-	D	BD 90
PATAPSCO	15M	3-61	-	-	-	-	-	-	U	N	O D	BD 91
PATAPSCO	22	5-61	120	5-61	200	5-61	24	2.0	P	T	D E	BD 92
PATAPSCO	75M	11-59	-	-	10	-	1	-	H	-	D	BD 93
PATAPSCO	19	8-62	133	8-62	350	8-62	72	3.1	U	N	T D	BD 94
PATAPSCO	19	2-63	142	2-63	350	2-63	24	2.8	P	T	D	BD 95

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BD 96	48155	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	75	548	6	S	510	20
BD 97	49554	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	75	534	10	S	504	30
BD 98	57226	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1964	75	625	10	S	552	39
BD 99	-	RENAUD, FREDERICK	CHAS. TRIFILLIS	-	137	-	-	-	-	-
BD 100	AA69 804	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	55	265	6	S	172	40
BD 101	AA69 871	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	55	212	10	S	172	40
BD 102	AA69 802	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	80	275	6	S	176	35
BD 103	AA69 954	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	80	221	10	S	176	35
BD 104	AA69 805	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	90	265	6	S	197	40
BD 105	AA69 1128	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	90	237	10	S	197	40
BD 106	AA69 955	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	20	288	6	S	180	40
BD 107	AA69 1195	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1969	20	240	10	S	185	35
BD 108	AA71 554	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1971	70	205	10	G	175	30
BD 109	AA71 553	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1971	190	300	10	G	260	40
BD 110	42738	CHARTWELL GOLF & COUNTRY CL	LAYNE-ATLANTIC CO.	1961	115	260	6	S	250	10
BD 111	49529	TRANSIT TRUCK STOP, INC.	H. H. BUNKER AND SONS, INC.	1962	95	126	6	S	116	10
BD 112	50761	MYERS PLANT FARM	LAYNE-ATLANTIC CO.	1963	160	161	6	S	156	5
BD 113	AA68W 885	A A CO FIRE DEPT	LAYNE-ATLANTIC CO.	1968	75	248	6	S	238	11
BD 114	-	A A CO POLICE DEPT HQ	-	-	115	-	-	-	-	-
BD 115	AA73 583	MILLERSVILLE INN & MOTEL	FRANK'S WELL DRILLING CO.	1972	100	237	6	G	222	15
BE 2	-	HILLMAN'S STORE	-	-	110	22	48	W	-	-
BE 3	-	LAKE SHORE ELEM SCHOOL ANNEX	WASHINGTON PUMP AND WELL CO.	1932	115	385	4	-	-	-
BE 4	-	MATHEWS, N H	JOHN NOVAK	1944	50	125	4	O	119	-
BE 6	-	HIGH POINT ELEM SCHOOL	JOHN NOVAK	1944	40	134	6	S	129	5
BE 7	-	WILLIAMS, MR	WILLIAM H. EILER	1945	20	99	2	O	-	-
BE 8	52	CRISTY, EARL R	-	1945	20	157	3	O	-	-
BE 9	120	GREENE, JOHN P	WILLIAM H. EILER	1945	20	146	3	-	-	-
BE 10	-	CULOTTA, MR	WILLIAM H. EILER	1945	20	90	2	-	-	-
BE 11	153	KATOSKI, ANDREW & ROSELLE	WILLIAM H. EILER	1945	50	96	4	-	-	-
BE 13	-	LEMOINE, RAYMOND	JOHN NOVAK	1940	20	232	4	-	-	-
BE 19	-	DOLOW, MRS	WILLIAM H. EILER	1944	10	42	2	O	-	-
BE 21	-	BRYCE, G	OWNER	1943	0	150	3	-	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PATUXENT	26	10-62	218	10-62	300	10-62	72	1.6	U	N	T D E	BD 96
PATUXENT	26	11-62	147	11-62	500	11-62	40	4.1	P	T	D	BD 97
PATUXENT	58	8-64	205	8-64	907	8-64	8	6.2	P	T	D E J	BD 98
MAGOTHY	83M	3-70	-	-	-	-	-	-	H	S		BD 99
PATAPSCO	19	4-69	49	4-69	300	4-69	16	10.0	U	N	T D	BD 100
PATAPSCO	20	4-69	83	4-69	608	4-69	24	9.7	P	T	D	BD 101
PATAPSCO	66	5-69	108	5-69	220	5-69	16	5.2	U	N	T D	BD 102
PATAPSCO	67	5-69	152	5-69	554	5-69	24	6.5	P	T	D	BD 103
PATAPSCO	33	6-69	52	6-69	263	6-69	16	13.8	U	N	T D	BD 104
PATAPSCO	32	6-69	70	6-69	554	6-69	24	14.6	P	T	D	BD 105
PATAPSCO	F	6-69	70	6-69	289	6-69	16	22.2	U	N	T D	BD 106
PATAPSCO	F	7-69	70	7-69	650	7-69	24	10.2	P	T	D	BD 107
PATAPSCO	30	5-71	158	5-71	325	5-71	24	2.5	P	T	D	BD 108
PATAPSCO	125	7-71	164	7-71	326	7-71	24	8.4	P	T	D	BD 109
PATAPSCO	85	5-61	114	5-61	250	5-61	40	8.6	C	S	D	BD 110
PATAPSCO	57	10-62	90	10-62	240	10-62	10	7.3	C	T	D	BD 111
PATAPSCO	90	3-63	156	3-63	200	3-63	5	3.0	I	S	D	BD 112
PATAPSCO	85	6-68	142	6-68	40	6-68	8	0.7	F	S	D	BD 113
-	-	-	-	-	-	-	-	-	-	-		BD 114
PATAPSCO	65	11-72	75	11-72	70	11-72	2	7.0	C	J	D	BD 115
MAGOTHY	-	-	-	-	-	-	-	-	H	P		BE 2
PATAPSCO	-	-	-	-	15	-	-	-	U	-	U	BE 3
PATAPSCO	28M	9-44	-	-	15	-	-	-	H	-	D	BE 4
PATAPSCO	39M	11-44	-	-	10	-	-	-	U	-	Z D	BE 6
CRETACEOUS	14	-	20	-	5	-	-	0.8	H	-	D	BE 7
PATAPSCO	18	10-45	22	10-45	5	10-45	-	1.3	H	J	D	BE 8
PATAPSCO	13	11-45	17	11-45	10	11-45	-	2.5	H	J	D	BE 9
PATAPSCO	-	-	-	-	-	-	-	-	-	-	D	BE 10
PATAPSCO	39M	12-45	-	-	8	-	-	2.0	C	J	D	BE 11
PATAPSCO	18M	2-46	-	-	7	-	-	7.0	U	-	Z	BE 13
PATAPSCO	-	-	-	-	-	-	-	-	H	-	D	BE 19
PATAPSCO	-	-	-	-	10	-	-	-	H	P	Q	BE 21

WATER USE CODES

C COMMERCIAL
F FIRE PROTECT.
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BE 23	-	CHESAPEAKE & POTOMAC TELE	JOHN NOVAK	1945	60	45	4	-	-	-
BE 24	-	REAMERS STORE	-	-	40	51	-	-	-	-
BE 26	-	REALTY CORP	-	1926	20	480	4	S	-	-
BE 27	-	REALTY CORP	-	1926	20	510	4	S	-	-
BE 29	-	WOLFE'S TAVERN	-	-	100	53	4	-	-	-
BE 30	-	B.B.L.RESEARCH FARM	JOHN NOVAK	1938	50	82	4	S	-	-
BE 32	-	GRIEBEL, WEBSTER	ED GARVAN	-	3	160	3	-	-	-
BE 33	-	MANK, GEORGE H	ED GARVAN	1928	2	180	4	-	-	-
BE 35	121	BOYER, CHARLES	WILLIAM H. EILER	1946	23	100	4	-	-	-
BE 36	-	A A CO BD EDUCA MAINTAN H Q	LEATHERBURY	1933	80	120	6	-	-	-
BE 37	-	WOLLE, MR	H. H. BUNKER AND SONS, INC.	1943	5	42	4	S	-	-
BE 40	-	WEST, HAROLD E	CROUSE & STONE	1930	30	140	4	T	-	-
BE 41	-	WEST, HAROLD E	H. H. BUNKER AND SONS, INC.	1942	30	62	4	S	-	5
BE 42	-	YOUNG, W R	OWNER	-	5	110	-	-	-	-
BE 44	182	KATOSKI, ROSELLA	WILLIAM H. EILER	1946	45	98	4	O	-	-
BE 45	-	BUNKER, HAROLD	H. H. BUNKER AND SONS, INC.	1945	80	67	-	S	-	10
BE 46	-	APPLETON, MRS	-	1939	65	24	48	W	-	-
BE 47	158	KLASMIER, HARRY J	WILLIAM H. EILER	1946	20	147	-	O	147	-
BE 48	119	REISER, JOHN JR	WILLIAM H. EILER	1946	23	254	3	O	254	-
BE 49	-	NEIRENBURG, A	-	-	100	51	48	W	-	-
BE 50	51	FOSTER, RICHARD J.	W. E. REIBOLD	1946	25	97	3	-	-	-
BE 51	178	CORRIGAN, CHARLES T	JOHN NOVAK	1946	20	57	4	S	54	3
BE 52	421	WALLACE, RUSSELL	W. E. REIBOLD	1946	20	158	3	O	-	-
BE 53	610	SHRIVER, CHARLES	CURTIS E. CAMPBELL	1946	100	145	4	P	142	3
BE 54	-	-	-	-	20	16	36	W	-	-
BE 55	2046	GRAHAM, FRANK E	H. H. BUNKER AND SONS, INC.	1947	70	63	4	S	58	5
BE 56	2319	IRVIN, MR	H. H. BUNKER AND SONS, INC.	1948	115	108	4	S	97	11
BE 57	1193	STALLINGS, JAMES B	CURTIS E. CAMPBELL	1947	65	128	4	S	-	-
BE 58	1644	MD FOREST SERVICE	LAYNE-ATLANTIC CO.	1947	160	483	4	S	463	20
BE 59	-	WHITTING TURNER CONTRACTING		-	0	90	-	-	-	-
BE 61	3331	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	-	80	91	4	S	81	10
BE 63	-	COTTAGE GROVE BEACH INC	MARYLAND DRILLING CO.	-	5	76	6	S	70	6
BE 64	578	FEDDON, JOHN L	W. E. REIBOLD	1946	20	328	3	-	-	-

FINISH CODES

O OPEN END
P PERF.-SLOTTED
S SCREEN
T SAND POINT
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
CRETACEOUS	17	-	-	-	-	-	-	-	H	P		BE 23
MAGOTHY	-	-	-	-	-	-	-	-	H	-		BE 24
PATAPSCO	-	-	-	-	-	-	-	-	U	N	U	BE 26
PATAPSCO	-	-	-	-	-	-	-	-	U	N	U	BE 27
PATAPSCO	26M	2-46	-	-	-	-	-	-	U	N	U	BE 29
PATAPSCO	18	-	-	-	6	-	-	-	S	-		BE 30
PATAPSCO	FM	2-46	-	-	3	-	-	-	H	-	Q	BE 32
PATAPSCO	FM	2-46	-	-	4	-	-	-	H	-	Q	BE 33
PATAPSCO	18	2-46	21	2-46	6	2-46	-	2.0	H	J	D	BE 35
PATAPSCO	-	-	-	-	15	-	-	-	U	N	Q	BE 36
PATAPSCO	4M	2-46	-	-	-	-	-	-	P	-		BE 37
PATAPSCO	12M	2-46	-	-	-	-	-	-	U	-	U	BE 40
MAGOTHY	28M	2-46	-	-	-	-	-	-	H	T		BE 41
PATAPSCO	F	-	-	-	-	-	-	-	H	P	Q	BE 42
PATAPSCO	40	3-46	44	3-46	6	3-46	-	1.5	H	J	D	BE 44
CRETACEOUS	32	-	-	-	25	-	-	-	P	P	Q	BE 45
MAGOTHY	19M	4-46	-	-	-	-	-	-	P	P	Q	BE 46
PATAPSCO	14	4-46	18	4-46	8	4-46	-	2.0	H	J	D	BE 47
PATAPSCO	18	4-46	24	4-46	8	4-46	-	1.3	H	J	D	BE 48
PATAPSCO	43M	5-46	-	-	-	-	-	-	H	B		BE 49
PATAPSCO	15	3-46	20	3-46	10	3-46	8	2.0	H	J	D	BE 50
PATAPSCO	17	4-46	20	4-46	10	4-46	8	3.3	H	-	D	BE 51
PATAPSCO	13	6-46	17	6-46	6	6-46	-	1.5	H	C	D	BE 52
PATAPSCO	76	7-46	-	-	5	-	-	-	H	-	D	BE 53
MAGOTHY	14M	9-46	-	-	-	-	-	-	U	N	U	BE 54
MAGOTHY	31	11-47	-	-	-	-	-	-	H	-	D	BE 55
MAGOTHY	63	2-48	-	-	4	-	2	-	H	J	D	BE 56
PATAPSCO	41	4-47	80	4-47	3	4-47	-	0.1	H	J	D	BE 57
PATAPSCO	165	10-47	180	10-47	25	10-47	8	1.7	H	P	D	BE 58
PATAPSCO	F	11-46	-	-	12	-	-	-	-	-	Z	BE 59
PATAPSCO	32	11-48	-	-	40	-	48	-	U	-	Z D	BE 61
PATAPSCO	12	-	-	-	-	-	-	-	C	P	D	BE 63
PATAPSCO	14	8-46	19	8-46	12	8-46	12	2.4	H	P	D	BE 64

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
S STOCK
U UNUSED

PUMP TYPE CODES

B BUCKET
C CENTRIFUGAL
J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BE 70	1917	ARCHWAY RESTAURANT	MARYLAND DRILLING CO.	1947	70	74	6	S	69	5
BE 72	12286	MT. ZION METHODIST CHURCH	LAYNE-ATLANTIC CO.	1953	90	88	5	S	83	5
BE 73	28257	ASBURY METHODIST CHURCH	H. H. BUNKER AND SONS, INC.	1957	30	84	4	S	79	5
BE 74	-	EARLEIGH HTS. FIRE DEPT	H. H. BUNKER AND SONS, INC.	-	91	100	4	S	-	-
BE 75	9046	MADARY, MELVIN	H. H. BUNKER AND SONS, INC.	1951	104	79	4	S	74	5
BE 78	-	-	-	-	24	-	4	-	-	-
BE 79	-	GEORGE FOX JR HIGH SCHOOL	LAYNE-ATLANTIC CO.	1948	70	200	-	-	-	-
BE 80	-	SLEDMAN, R K	H. H. BUNKER AND SONS, INC.	-	65	80	4	-	-	-
BE 81	-	JESSE ROSENSTEIN REALTY	-	-	25	11	96	-	-	-
BE 82	-	REALTY CORP	-	-	-	-	-	-	-	-
BE 85	-	PASADENA METHODIST CHURCH	-	-	60	62	4	S	57	5
BE 90	-	VILLAGE BEAUTY SHOP	JOHN H. BROWN	1957	55	88	4	S	83	5
BE 93	31845	BUTLER & NEALE INC.	WILLIAM H. EILER	1958	75	127	2	S	122	5
BE 94	31843	BUTLER & NEALE INC.	WILLIAM H. EILER	1958	95	147	2	S	142	5
BE 96	22777	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	1956	105	118	-	-	-	-
BE 97	22708	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	1955	105	168	6	S	158	10
BE 98	22707	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	1955	105	168	6	S	158	10
BE 99	29805	FREETOWN ELEM SCHOOL	H. H. BUNKER AND SONS, INC.	1958	80	131	6	S	121	10
BE 102	AA70 217	ELMORE, RICHARD R	FRANK'S WELL DRILLING CO.	1969	36	60	4	S	55	5
BE 103	AA72 1197	MD STATE HWY. ADMIN.	H. H. BUNKER AND SONS, INC.	1972	75	104	4	G	99	5
BE 104	50096	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	1962	55	95	8	S	84	11
BE 105	AA66W 135	PASADENA WATER CO	H. H. BUNKER AND SONS, INC.	1965	45	272	8	S	260	12
BF 1	-	BALTO CITY DEPT REC & PARKS	-	1929	10	377	6	S	360	17
BF 2	-	BALTO CITY DEPT REC & PARKS	SHANNAHAN ARTESIAN WELL CO.	-	10	378	6	S	360	18
BF 3	-	BALTO CITY DEPT REC & PARKS	-	-	10	23	48	W	-	-
BF 4	-	ROGERS TOWNSEND BOAT CO	-	1936	5	140	2	-	-	-
BF 5	-	ROBINSON, E E	SHANNAHAN ARTESIAN WELL CO.	1926	10	173	6	S	165	8
BF 6	-	ROBINSON, E E	SHANNAHAN ARTESIAN WELL CO.	1926	10	276	8	S	260	16
BF 10	-	SOUTHERN PRODUCTS CO	SHANNAHAN ARTESIAN WELL CO.	1908	10	431	8	-	-	-
BF 13	-	MONTILLARO, MR	JOHN NOVAK	1941	5	56	4	S	52	4
BF 16	-	HORTON, W K	-	-	50	26	48	W	-	-
BF 18	-	MILLDURN, R P	WILLIAM H. EILER	1946	2	85	4	-	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	37	11-47	-	-	5	-	-	-	C	J	D	BE 70
MAGOTHY	58	5-53	70	5-53	30	5-53	3	2.5	H	-	D	BE 72
CRETACEOUS	26	9-57	47	9-57	10	9-57	1	0.5	H	-	D	BE 73
CRETACEOUS	54M	9-51	-	-	-	-	-	-		J	D	BE 74
MAGOTHY	50M	11-51	-	-	10	-	1	-	H	N	D	BE 75
-	11M	12-51	-	-	-	-	-	-	-	-		BE 78
PATAPSCO	47M	12-51	-	-	175	-	-	-	U	N	Z	BE 79
PATAPSCO	26M	12-51	-	-	-	-	-	-	H	J		BE 80
MAGOTHY	5M	1-60	-	-	-	-	-	-	P	P		BE 81
MAGOTHY	-	-	-	-	-	-	-	-	P	-		BE 82
CRETACEOUS	17	7-58	22	7-58	15	7-58	1	3.0	-	J	D	BE 85
PATAPSCO	26	7-57	-	-	25	-	2	-	C	J	D	BE 90
PATAPSCO	77M	2-60	-	-	15	-	8	0.9	H	J	D	BE 93
PATAPSCO	79	7-58	90	7-58	15	7-58	8	1.4	H	J	D	BE 94
PATAPSCO	69	12-56	-	-	100	-	-	-	U	N	Z D	BE 96
PATAPSCO	70	12-55	-	-	240	-	-	-	U	-	Z D	BE 97
PATAPSCO	69	12-55	-	-	240	-	8	-	U	-	Z D	BE 98
PATAPSCO	55	1-58	115	1-58	50	1-58	24	0.8	U	N	Z D	BE 99
MAGOTHY	27M	4-70	-	-	15	-	2	3.0	H	S	D O	BE 102
PATAPSCO	23	6-72	50	6-72	8	6-72	3	0.3	U	J	U D	BE 103
PATAPSCO	13	12-62	70	12-62	200	12-62	50	3.5	P	T	D	BE 104
PATAPSCO	29	8-65	130	8-65	150	8-65	8	1.5	P	T	D	BE 105
PATAPSCO	-	-	-	-	50	-	-	-	P	-	Q	BF 1
PATAPSCO	29	-	59	-	84	-	-	2.8	U	T	Z Q D	BF 2
PATAPSCO	13M	4-56	-	-	-	-	-	-	U	N	O	BF 3
PATAPSCO	2M	8-43	-	-	3	-	-	-	-	-	Q	BF 4
PATAPSCO	15	-	-	-	50	-	-	-	U	N	U D	BF 5
PATAPSCO	15	-	31	-	90	-	-	5.6	P	-	D	BF 6
PATAPSCO	4	-	-	-	10	-	-	-	-	N	Z D	BF 10
MAGOTHY	5	-	11	-	6	-	-	1.0	H	P	D	BF 13
MAGOTHY	21M	-	-	-	-	-	-	-	H	-		BF 16
MAGOTHY	F	5-46	11	5-46	13	5-46	10	3.3	C	-	D	BF 18

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
O OBSERVATION
Q CHEM ANALYSIS
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
BF 19	334	MUSCH, WILLIAM L.	WILLIAM H. EILER	1946	15	56	3	-	-	-
BF 20	3662	MENDELIS, DR. C	HENRY A. GROPP	1949	15	150	4	S	145	5
BF 21	-	FAIR, J H	-	-	8	-	2	-	-	-
BF 22	-	BAILEY	-	-	-	-	4	-	-	-
BF 23	-	PASADENA HARD-WARE	JOHN NOVAK	1949	65	198	6	-	-	-
BF 28	-	FALATICO, MR	-	-	13	53	4	-	-	-
BF 29	-	-	-	1951	55	23	4	-	-	-
BF 30	19038	CUMMINGS, MR	JOHN H. BROWN	1955	50	89	4	S	84	5
BF 31	14537	LAKE SHORE DEM-OCRATIC CLUB	JOHN H. BROWN	1954	35	70	2	S	65	-
BF 39	14885	BUCK, DONALD E	LAYNE-ATLANTIC CO.	1954	15	78	4	S	73	5
BF 42	19654	OPEN BIBLE BROADCASTS	LAYNE-ATLANTIC CO.	1955	10	42	6	S	37	5
BF 43	-	OPEN BIBLE BROADCASTS	-	-	10	18	55	-	-	-
BF 45	20055	FORT SMALLWOOD ELEM SCHOOL	H. H. BUNKER AND SONS, INC.	1955	85	227	8	S	217	10
BF 46	20056	FORT SMALLWOOD ELEM SCHOOL	H. H. BUNKER AND SONS, INC.	1955	65	209	8	S	199	10
BF 48	10205	LAKE SHORE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1952	50	95	6	S	85	10
BF 49	15773	MISSLER, CHARLES	LAYNE-ATLANTIC CO.	1954	50	661	10	S	294	20
BF 50	AA69 1129	BODKIN ELEM SCHOOL	LAYNE-ATLANTIC CO.	1969	45	179	6	S	150	20
BF 51	AA70 392	BODKIN ELEM SCHOOL	LAYNE-ATLANTIC CO.	-	45	169	12	G	147	20
BF 52	AA69 155	LANKFORD, DR. ARTHUR JR.	H. H. BUNKER AND SONS, INC.	1968	27	68	4	S	63	5
BF 53	AA70 729	LANKFORD, DR. ARTHUR JR.	H. H. BUNKER AND SONS, INC.	1970	27	106	4	S	101	5
BF 54	AA73 3421	RESEARCH HOMES INC.	DELMARVA DRILLING CO.	1974	18	283	6	G	200	40
CB 1	35695	U S ARMY, FORT MEADE	LAYNE-ATLANTIC CO.	1959	126	515	6	S	485	20
CB 2	35694	U S ARMY, FORT MEADE	LAYNE-ATLANTIC CO.	1959	170	650	6	S	-	25 20
CB 3	40179	U S ARMY, FORT MEADE	HAGMANN CO.	1960	150	605	6	X	244	361
CC 1	-	U S NAVAL ACAD DAIRY FARM	LAYNE-ATLANTIC CO.	1941	200	245	10	-	-	-
CC 2	-	U S NAVAL ACAD DAIRY FARM	SHANNAHAN ARTESIAN WELL CO.	1914	200	397	10	S	378	19
CC 3	-	U S NAVAL ACAD DAIRY FARM	SHANNAHAN ARTESIAN WELL CO.	1914	200	241	8	-	-	-
CC 4	-	U S NAVAL ACAD DAIRY FARM	-	-	200	60	-	W	-	-
CC 5	-	ODENTON ELEMEN-TARY SCHOOL	WASHINGTON PUMP AND WELL CO.	1933	155	210	6	-	-	-
CC 6	-	TURNER, IRVING	WASHINGTON PUMP AND WELL CO.	1945	140	171	6	S	-	6
CC 7	-	A D RIDEN CO	-	1910	80	300	5	-	-	-
CC 12	-	WAGNER, J W	-	1910	210	92	4	-	-	-
CC 13	-	BARTON, ALAN E	-	-	65	14	30	W	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	13	7-46	18	7-46	15	7-46	-	3.0	-	C	D	BF 19
CRETACEOUS	21	3-49	-	-	10	-	8	-	H	J	D	BF 20
MAGOTHY	5M	9-51	-	-	-	-	-	-	H	P		BF 21
	4M	9-51	-	-	-	-	-	-	H	-		BF 22
PATAPSCO	-	-	-	-	-	-	-	-	C	J		BF 23
MAGOTHY	10M	10-51	-	-	-	-	-	-	U	N	U	BF 28
MAGOTHY	12M	10-51	-	-	-	-	-	-	H	P		BF 29
MAGOTHY	30	7-55	-	-	19	-	2	-	C	J	D	BF 30
MAGOTHY	20	4-54	-	-	18	-	-	-	-	J	D	BF 31
MAGOTHY	22M	1-60	-	-	30	-	3	4.3	H	J	D	BF 39
MAGOTHY	11M	1-60	-	-	45	-	3	11.3	P	-	D	BF 42
MAGOTHY	-	-	-	-	-	-	-	-	P	-		BF 43
PATAPSCO	50	-	115	-	88	-	24	1.4	T	S	Q D	BF 45
PATAPSCO	50	10-55	100	10-55	20	10-55	24	0.4	T	T	D	BF 46
MAGOTHY	15M	6-60	-	-	108	-	20	4.2	T	T	Q D	BF 48
PATAPSCO	-	-	-	-	210	-	-	-	U	N	T D	BF 49
PATAPSCO	35	7-69	63	7-69	100	7-69	8	3.6	U	N	T D	BF 50
PATAPSCO	35	12-69	76	12-69	130	12-69	12	3.2	T	T	D	BF 51
MAGOTHY	27M	3-70	-	-	10	-	1	0.5	U	N	Z D	BF 52
MAGOTHY	28M	9-70	-	-	30	-	1	2.1	H	S	D O	BF 53
PATAPSCO	5	10-74	54	10-74	300	10-74	24	6.1	U	N	T Q D +	BF 54
PATUXENT	44	9-59	188	9-59	276	9-59	24	1.9	U	N	O Q D E	CB 1
PATUXENT	90M	12-59	-	-	-	-	-	-	U	N	T Q D E	CB 2
PATAPSCO BASEMENT COMPLEX	45	-	105	-	26	-	48	0.4	U	T	U D	CB 3
PATAPSCO	109M	3-46	-	-	260	-	-	-	U	N	Z Q	CC 1
PATAPSCO	109M	3-46	-	-	42	-	-	-	U	N	U	CC 2
PATAPSCO	-	-	-	-	10	-	-	-	U	N	U D	CC 3
MAGOTHY	-	-	-	-	-	-	-	-	U	N	U	CC 4
PATAPSCO	-	-	-	-	15	-	-	-	U	N	Z	CC 5
PATAPSCO	92	-		-	-	-	-	-	-	P	D	CC 6
PATAPSCO	7M	4-46	-	-	40	-	-	-	H	P	Q	CC 7
CRETACEOUS	-	-	-	-	-	-	-	-	H	P	Q	CC 12
PLEISTOCENE	11M	5-46	-	-	-	-	-	-	H	P	Q	CC 13

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

C CENTRIFUGAL
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CC 15	-	CHOWANETZ, JOSEPH	-	-	90	21	30	O	-	-
CC 16	-	WALCH, RUDOLPH	-	-	60	19	48	W	-	-
CC 17	-	DUCKETT, STEPHEN W.	-	-	145	100	4	-	-	-
CC 19	446	LLOYD, J F	THEODORE N. SMITH	1946	220	136	6	O	129	-
CC 20	1625	BARTON, ALLEN C	WASHINGTON PUMP AND WELL CO.	1947	65	143	6	S	-	6
CC 21	-	BECK, LEVI C	RAYNOR HEIGHTS DRILLING CO.	1948	230	200	-	-	-	-
CC 22	3119	A A CO BOARD OF EDUCATION	LAYNE-ATLANTIC CO.	1948	120	129	4	S	119	10
CC 23	3610	ARUNDEL SR HIGH SCHOOL	LAYNE-ATLANTIC CO.	1949	220	265	10	-	-	-
CC 24	3169	PRESTON, CAPT. HAROLD D	LAYNE-ATLANTIC CO.	1948	169	95	4	S	90	5
CC 28	4441	JUSTUS, JOSEPH	MARYLAND DRILLING CO.	1950	185	168	6	S	164	4
CC 30	-	TYLER, JOHN	H. H. BUNKER AND SONS, INC.	1945	112	73	4	S	-	2
CC 31	-	SMITH'S ESSO STATION	-	1948	120	75	6	-	-	-
CC 32	-	TAYLOR, P S SR	GEO. E. CROUSE	-	135	105	4	-	-	-
CC 33	-	HUTCHINS, JOHN	H. H. BUNKER AND SONS, INC.	-	186	-	4	-	-	-
CC 34	-	ODENTON ELEMENTARY SCHOOL	LAYNE-ATLANTIC CO.	1951	155	197	6	-	-	-
CC 36	20999	WINWOOD CORP	SHANNAHAN ARTESIAN WELL CO.	1955	223	306	2	-	-	-
CC 37	20999	WINWOOD CORP	SHANNAHAN ARTESIAN WELL CO.	1955	223	130	2	-	-	-
CC 38	-	MD STATE HWY. ADMIN.	-	-	130	59	48	W	-	-
CC 39	24456	U S NAVAL ACAD DAIRY FARM	LAYNE-ATLANTIC CO.	1956	200	269	10	S	194	20
CC 40	35693	U S ARMY, FORT MEADE	LAYNE-ATLANTIC CO.	1959	138	238	6	S	208	30
CC 41	36565	SOUTHERN MARYLAND OIL CO	H. H. BUNKER AND SONS, INC.	1959	100	78	4	S	73	5
CC 42	17068	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	180	163	10	S	148	15
CC 43	17069	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1955	180	164	10	S	149	15
CC 44	27045	DUCKETT, STEPHEN W.	LAYNE-ATLANTIC CO.	1957	145	145	6	S	135	10
CC 45	17809	DUCKETT, STEPHEN W.	H. H. BUNKER AND SONS, INC.	1955	145	87	6	-	81	6
CC 46	-	HOPKINS, MELVIN L	H. H. BUNKER AND SONS, INC.	1956	210	203	5	S	198	5
CC 48	22991	COLONIAL BUILDERS INC	H. H. BUNKER AND SONS, INC.	1956	175	155	4	S	150	5
CC 51	-	SHORTER, MARY	-	-	75	6	42	W	-	-
CC 53	18278	JUSTUS, JOSEPH	HENRY W. CROUSE	1955	185	79	6	-	79	-
CC 55	-	CRAWFORD, LEONARD	-	-	180	51	48	W	-	-
CC 56	39561	CRAWFORD, LEONARD	LAYNE-ATLANTIC CO.	1960	230	124	4	S	119	5
CC 57	39560	CRAWFORD, DELBERT L	LAYNE-ATLANTIC CO.	1960	230	241	4	S	236	5
CC 60	27897	STACH, CHARLES	LAYNE-ATLANTIC CO.	1957	200	194	6	S	189	5

FINISH CODES

O OPEN END
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PLEISTOCENE	17	-	-	-	-	-	-	-	-	P	Q	CC 15
PLEISTOCENE	12M	5-46	-	-	-	-	-	-	U	-	Z	CC 16
MAGOTHY	50	-	-	-	-	-	-	-	U	-	U	CC 17
CRETACEOUS	104M	5-46	-	-	-	-	-	-	H	-	D	CC 19
PATAPSCO	FM	7-47	-	-	10	-	6	-	H	P	D	CC 20
PATAPSCO	129M	8-48	-	-	-	-	-	-	-	N		CC 21
PATAPSCO	75	9-48	-	-	150	-	8	-	U	-	Z D	CC 22
PATAPSCO	-	-	-	-	300	-	-	-	U	N	Z Q D	CC 23
MAGOTHY	51M	8-49	-	-	12	-	8	-	H	-	D	CC 24
PATAPSCO	95M	6-61	-	-	12	-	-	0.2	U	N	U D	CC 28
MAGOTHY	63M	12-51	-	-	-	-	-	-	H	P		CC 30
MAGOTHY	44M	11-51	-	-	-	-	-	-	C	J		CC 31
CRETACEOUS	65M	11-51	-	-	-	-	-	-	H	-		CC 32
CRETACEOUS	91M	11-51	-	-	-	-	-	-	H	J		CC 33
PATAPSCO	66	2-51	-	-	140	-	-	-	U	-		CC 34
PATAPSCO	138	10-55	143	10-55	10	10-55	-	2.0	U	N	T D	CC 36
PATAPSCO	104	10-55	-	-	-	-	-	-	U	-	T	CC 37
MAGOTHY	53M	9-59	-	-	-	-	-	-	U	N	Z	CC 38
PATAPSCO	112	10-56	151	10-56	340	10-56	8	8.7	S	T	D	CC 39
PATAPSCO	46	8-59	130	8-59	350	8-59	-	4.2	U	N	O D E	CC 40
CRETACEOUS	31M	-59	-	-	40	-	1	-	C	J	D	CC 41
PATAPSCO	50	1-55	140	1-55	275	1-55	4	3.1	U	N	O D	CC 42
PATAPSCO	51	1-55	141	1-55	350	1-55	4	3.9	P	T	Q D	CC 43
MAGOTHY	82	9-57	130	9-57	200	9-57	4	4.2	H	S	D	CC 44
MAGOTHY	30	2-55	-	-	8	-	-	-	H	P		CC 45
PATAPSCO	60M	7-60	-	-	-	-	-	-	U	N	U D J	CC 46
PATAPSCO	83	5-56	100	5-56	7	5-56	1	0.4	C	J	D	CC 48
-	2M	9-60	-	-	-	-	-	-	H	P		CC 51
PATAPSCO	34	4-55	44	4-55	15	4-55	4	1.5	P	P	D	CC 53
CRETACEOUS	29M	9-60	-	-	-	-	-	-	H	P		CC 55
PATAPSCO	91M	9-60	-	-	20	-	4	1.0	H	-	D	CC 56
PATAPSCO	137M	9-60	-	-	10	-	3	0.2	H	-	D	CC 57
PATAPSCO	126	8-57	190	8-57	45	8-57	190	0.7	I	S	D	CC 60

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
S STOCK
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CC 62	23114	LO-MAR-RO TRAILER PARK	LAYNE-ATLANTIC CO.	1956	97	88	6	S	83	5
CC 64	-	TURNER, EVELYN	-	-	125	53	36	O	-	-
CC 74	3119	CARVER ELEMENTARY SCHOOL	LAYNE-ATLANTIC CO.	1948	145	130	4	S	120	10
CC 77	38112	MAYNARD, VINTON	H. H. BUNKER AND SONS, INC.	1960	165	73	4	S	68	5
CC 78	45085	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	916	4	S	270	-
CC 79	46508	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	462	10	S	442	20
CC 80	46965	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	873	1	T	870	3
CC 81	46965	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	723	1	T	720	3
CC 82	46965	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	458	1	T	455	3
CC 83	46965	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1962	178	285	1	T	282	3
CC 84	46506	PATUXENT SEWAGE TREATMENT PL	H. H. BUNKER AND SONS, INC.	1961	70	220	6	S	210	10
CC 85	53892	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	-	60	1069	8	X	-	-
CC 86	56079	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1964	60	960	20	S	850	110
CC 87	AA66W 299	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1966	178	758	20	S	684	64
CC 88	AA66W 300	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1966	178	885	20	S	775	65
CC 89	AA65W 672	A A CO DEPT OF PUBLIC WORKS	HENRY A. GROPP	1965	60	605	10	S	575	30
CC 90	55782	CROFTON CORP	-	1964	110	86	4	S	81	5
CC 91	56514	CROFTON CORP	-	1964	85	72	4	S	67	5
CC 92	AA67W 396	LONG'S FENCE CO	R. M. LEATHERBURY	1967	105	100	2	S	60	40
CC 93	AA70 398	LONG'S FENCE CO	H. J. GREER DRILLING CO.	1969	102	80	4	S	75	5
CC 95	AA70 556	BALTO. GAS & ELECTRIC CO.	LAYNE-ATLANTIC CO.	1970	130	127	10	S	102	20
CC 96	AA70 555	BALTO. GAS & ELECTRIC CO.	LAYNE-ATLANTIC CO.	1970	134	127	10	S	103	20
CC 97	AA70 620	BALTO. GAS & ELECTRIC CO.	LAYNE-ATLANTIC CO.	1970	135	123	10	S	108	15
CC 98	AA70 540	HAMILTON, EMORY E.	H. J. GREER DRILLING CO.	1970	110	87	4	S	82	5
CC 99	AA70 577	MCDONOUGH, THOMAS J	C. C. PURNER WELL DRILLING CO. INC.	1970	135	75	4	S	60	15
CC 101	AA73 88	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1972	115	1231	-	-	-	-
CC 102	AA72 907	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1972	60	960	20	G	850	110
CC 103	AA73 86	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1973	125	1150	10	G	1030	100
CC 104	AA73 87	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1973	135	1262	-	-	-	-
CC 105	AA73 87	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1973	130	1195	10	S	1040	110
CC 106	AA73 808	LONG'S FENCE CO	H. J. GREER DRILLING CO.	1973	105	60	4	S	55	5
CC 107	AA73 2802	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1974	120	1000	-	-	-	-
CC 108	AA69 480	GARDNERS GRAVEL PIT	H. J. GREER DRILLING CO.	1968	60	404	6	S	309	95

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
T SAND POINT
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	36	5-56	80	5-56	178	5-56	4	4.0	P	S	D	CC 62
CRETACEOUS	47M	9-60	-	-	-	-	-	-	H	-		CC 64
CRETACEOUS	75	9-48	-	-	150	-	8	-	T	T	D	CC 74
PATAPSCO	46M	1-60	-	-	10	-	1	0.8	H	-	D	CC 77
PATAPSCO PATUXENT	-	-	-	-	-	-	-	-	U	N	T Q D E	CC 78
PATAPSCO	105	4-62	160	4-62	500	4-62	24	9.1	P	T		CC 79
PATUXENT	106M	10-62	-	-	-	-	-	-	U	N	O	CC 80
PATUXENT	105M	10-62	-	-	-	-	-	-	U	N	O	CC 81
PATAPSCO	110M	10-62	-	-	-	-	-	-	U	N	O	CC 82
PATAPSCO	74M	10-62	-	-	-	-	-	-	U	N	U	CC 83
PATAPSCO	F	7-61	160	7-61	50	7-61	24	7.1	-	S	D	CC 84
PATUXENT	-	-	-	-	-	-	-	-	U	-	T D E	CC 85
PATUXENT	+14M	7-64	-	-	825	-	24	11.1	P	T	D E	CC 86
PATUXENT	110	2-66	229	2-66	556	2-66	24	4.7	P	T	E J	CC 87
PATUXENT	119	8-66	182	8-66	1241	8-66	24	19.7	P	T		CC 88
PATAPSCO	70	10-65	-	-	618	-	240	-	P	T	D	CC 89
MAGOTHY	48	1-64	74	1-64	20	1-64	3	0.8	U	-	U D	CC 90
MAGOTHY	32	3-64	-	-	30	-	3	-	U	-	U D	CC 91
CRETACEOUS	40	-	50	-	5	-	2	0.5	U	N	U D	CC 92
MAGOTHY	44M	12-69	-	-	12	-	1	1.7	U	S	Z D	CC 93
PATAPSCO	41M	4-70	-	-	75	-	10	2.1	F	T	D E J O	CC 95
PATAPSCO	47M	4-70	-	-	75	-	10	2.8	F	T	D	CC 96
PATAPSCO	44	6-70	92	6-70	80	6-70	10	1.7	N	T	D	CC 97
MAGOTHY	60	4-70	65	4-70	12	4-70	1	2.4	H	S	D J	CC 98
MAGOTHY	52	3-70	75	3-70	15	3-70	2	0.7	C	J	D	CC 99
PATUXENT	-	-	-	-	-	-	-	-	U	N	Z E J D	CC 101
PATUXENT	21	12-72	90	12-72	800	12-72	24	11.6	P	T	D E	CC 102
PATUXENT	83	7-73	182	7-73	609	7-73	24	6.2	P	T		CC 103
-	-	-	-	-	-	-	-	-	U	N	Z E J	CC 104
PATUXENT	103	8-73	239	8-73	726	8-73	24	5.3	P	T	Q D	CC 105
MAGOTHY	35	2-73	40	2-73	10	2-73	1	2.0	C	S	D	CC 106
PATUXENT	-	-	-	-	-	-	-	-	P	T	Q E J	CC 107
PATAPSCO	20	1-68	30	1-68	80	1-68	1	8.0	N	S	D	CC 108

WATER USE CODES

C COMMERCIAL
F FIRE PROTECT.
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CC 109	AA69 294	WALCH, RUDOLPH	H. J. GREER DRILLING CO.	1968	60	358	4	S	351	7
CC 110	AA71 944	GOLDEN TRIANGLE GOLF COURSE	H. J. GREER DRILLING CO.	1971	140	102	4	S	97	5
CC 111	AA72 28	GOLDEN TRIANGLE GOLF COURSE	H. J. GREER DRILLING CO.	1971	110	82	6	S	77	5
CC 112	AA73 2033	U S NAVAL ACAD DAIRY FARM	DELMARVA DRILLING CO.	1973	205	245	8	G	223	22
CD 3	-	MILLERSVILLE ELEM SCHOOL	WASHINGTON PUMP AND WELL CO.	1943	125	133	6	S	125	8
CD 4	-	A A CO BOARD OF EDUCATION	LEATHERBURY	1938	125	130	6	S	-	6
CD 5	39	WILHELM, S H	THEODORE N. SMITH	1945	100	142	6	O	139	-
CD 6	156	SCHAUL, M W	WASHINGTON PUMP AND WELL CO.	1946	180	153	6	S	147	6
CD 7	-	BALDWIN MEMORIAL CHURCH	WASHINGTON PUMP AND WELL CO.	1946	100	97	6	S	91	6
CD 8	-	CROWNSVILLE ST HOSPITAL	-	-	110	380	4	-	-	-
CD 9	-	CROWNSVILLE ST HOSPITAL	-	1915	130	396	8	S	361	24
CD 10	-	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1915	137	668	8	S	654	14
CD 11	-	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1930	105	226	20	S	206	20
CD 12	-	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1936	101	227	10	S	202	25
CD 15	-	DORR, WILLIAM A	CUNNINGHAM	1928	125	96	4	S	-	-
CD 18	-	COOK, MRS A G	WASHINGTON PUMP AND WELL CO.	1944	140	179	6	-	-	-
CD 19	-	WHITALL, MRS RICHARD	HAGMANN CO.	1931	180	208	6	S	-	-
CD 20	-	WHITALL, MRS RICHARD	HAGMANN CO.	1931	100	50	4	-	-	-
CD 21	-	WHITALL, MRS RICHARD	HAGMANN CO.	-	100	55	6	-	-	-
CD 23	-	KACZYNSKI, FRANK	CROUSE	1939	65	107	4	O	-	-
CD 25	502	ERDMAN, GERTRUDE	CURTIS E. CAMPBELL	1946	80	126	4	S	-	4
CD 26	562	MACHIN, ISAAC W	CURTIS E. CAMPBELL	1946	80	112	4	S	-	6
CD 27	-	CHANCE, G C	GEO. E. CROUSE	-	170	68	4	-	-	-
CD 28	1784	PAWLIK, STEPHEN	GEO. E. CROUSE	1947	100	125	4	-	-	-
CD 29	2589	O'HARA, W J	WILLIAM STONE	1948	150	95	6	-	92	-
CD 33	4997	ST STEPHEN'S CHURCH	H. H. BUNKER AND SONS, INC.	1949	160	142	4	S	140	2
CD 34	-	WEBB, JOHN W	WILLIAM STONE	-	65	130	4	-	-	-
CD 35	-	HEILAND, CHARLES W	WILLIAM STONE	-	63	106	4	-	-	-
CD 36	-	MASON, DR WM B	WILLIAM STONE	-	83	78	6	-	-	-
CD 37	9074	JARMAN, BENJAMIN	GEO. E. CROUSE	1951	134	120	4	-	-	-
CD 40	-	MISENHOLT	WILLIAM STONE	1951	115	61	-	-	-	-
CD 41	4624	FULLER, W F	GEO. E. CROUSE	1949	130	97	4	-	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PATAPSCO	0	9-68	5	9-68	15	9-68	2	3.0	H	J	D	CC 109
MAGOTHY	70	5-71	75	5-71	12	5-71	1	2.4	C	S	D	CC 110
MAGOTHY	50	7-71	57	7-71	30	7-71	1	4.3	I	S	D	CC 111
PATAPSCO	110	9-73	125	9-73	150	9-73	8	10.0	S	T	D	CC 112
MAGOTHY	-	-	-	-	-	-	-	-	U	-	Z	CD 3
PATAPSCO	-	-	-	-	-	-	-	-	U	N	Z	CD 4
PATAPSCO	84	11-45	-	-	-	-	-	-	H	P	D	CD 5
MAGOTHY	119	2-46	140	2-46	15	2-46	-	0.7	H	P	Q D	CD 6
MAGOTHY	38	3-46	55	3-46	25	3-46	-	1.5	H	P	D	CD 7
PATAPSCO	87M	4-46	-	-	-	-	-	-	U	N	U	CD 8
PATAPSCO	109	2-15	-	-	120	-	-	-	U	A	U D	CD 9
PATAPSCO	110M	3-49	-	-	120	-	-	-	U	N	U D	CD 10
MAGOTHY	73M	4-51	-	-	308	-	-	11.4	T	T	Q D	CD 11
MAGOTHY	82M	8-60	-	-	175	-	-	-	U	T	O D J	CD 12
CRETACEOUS	77M	9-60	-	-	-	-	-	-	U	N	U	CD 15
MAGOTHY	105M	5-46	-	-	-	-	-	-	P	P		CD 18
MAGOTHY	-	-	-	-	-	-	-	-	P	T	Q	CD 19
MAGOTHY	46M	5-46	-	-	-	-	-	-	U	N	U	CD 20
MAGOTHY	48M	5-46	-	-	-	-	-	-	U	P	U	CD 21
PATAPSCO	-	-	-	-	-	-	-	-	H	P	Q	CD 23
PATAPSCO	75M	7-46	-	-	5	-	-	0.2	H	J	D	CD 25
PATAPSCO	77	7-46		7-46	-	7-46	-	-	H	P	D	CD 26
MAGOTHY	57M	7-46	-	-	-	-	-	-	H	-	D	CD 27
PATAPSCO	78	9-47	88	9-47	10	9-47	4	1.0	H	J	D	CD 28
CRETACEOUS	82	5-48	86	5-48	3	5-48	2	0.8	H	-	D	CD 29
MAGOTHY	108	11-49	-	-	5	-	3	-	H	P	D	CD 33
PATAPSCO	57M	11-51	-	-	-	-	-	-	H	P		CD 34
PATAPSCO	58M	11-51	-	-	-	-	-	-	H	P		CD 35
MAGOTHY	59M	11-51	-	-	-	-	-	-	H	-		CD 36
MAGOTHY	52M	11-51	-	-	5	-	2	-	H	P	D	CD 37
MAGOTHY	43M	12-51	-	-	-	-	-	-	H	-		CD 40
MAGOTHY	63M	12-51	-	-	5	-	4	1.3	H	P	D	CD 41

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
S STOCK
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

A AIR LIFT
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CD 42	8763	JARMAN, BENJAMIN	GEO. E. CROUSE	1951	130	68	4	O	-	-
CD 43	12737	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1953	130	285	20	S	255	30
CD 44	18162	CROWNSVILLE ST HOSPIT. FARM	LAYNE-ATLANTIC CO.	1955	85	103	6	S	98	5
CD 45	23365	CROWNSVILLE ST HOSPIT. FARM	SHANNAHAN ARTESIAN WELL CO.	1956	85	235	8	S	198	19
CD 46	-	STREET, CAPT. WILLIAM	-	-	90	23	36	O	-	-
CD 48	14566	CAMP BARRETT	LAYNE-ATLANTIC CO.	1954	105	202	8	S	197	5
CD 49	33629	MCKAY, GEORGE W	LAYNE-ATLANTIC CO.	1959	25	125	4	S	120	5
CD 50	25525	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1957	131	276	10	S	249	27
CD 51	29408	A A CO BOARD OF EDUCATION	H. H. BUNKER AND SONS, INC.	1957	125	112	6	S	102	10
CD 52	18490	SHERMAN ENTER-PRISES INC	SHANNAHAN ARTESIAN WELL CO.	1955	150	108	6	S	102	6
CD 53	40314	SUMMER HILL TRAILER PARK	R. M. LEATHERBURY	1960	135	200	4	S	190	10
CD 57	-	SMITH, JOHN JR	-	-	140	58	60	W	-	-
CD 58	-	SMITH, JOHN JR	WILLIAM STONE	1960	140	72	4	O	-	-
CD 61	21129	MILLERSVILLE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1955	125	123	6	S	118	5
CD 63	-	DORR, WILLIAM A	WASHINGTON PUMP AND WELL CO.	1947	125	108	6	O	108	8
CD 64	23979	WHITE GABLES RESTAURANT	LAYNE-ATLANTIC CO.	1956	140	115	6	S	105	10
CD 65	9965	GAMBRILLS ATH-LETIC CLUB	H. H. BUNKER AND SONS, INC.	1952	145	74	4	S	69	5
CD 67	36238	BALDWIN, WILLIAM E JR	H. H. BUNKER AND SONS, INC.	1959	160	144	4	S	139	5
CD 68	38061	TWIGG, WILLIAM I	H. H. BUNKER AND SONS, INC.	1960	100	68	4	S	63	5
CD 70	25461	SOUTH SHORE ELEM SCHOOL	LAYNE-ATLANTIC CO.	-	145	188	6	S	178	10
CD 71	37970	HAAS, CHARLES	H. H. BUNKER AND SONS, INC.	1960	150	90	4	S	85	5
CD 72	42495	CROWNSVILLE ST HOSPITAL	SHANNAHAN ARTESIAN WELL CO.	1961	130	269	10	S	244	25
CD 74	AA70 90	CAMP BARRETT	JOHN E. BRANHAM	1969	100	159	4	S	152	7
CD 78	-	TONGUE, RICHARD JR.	FRANK'S WELL DRILLING CO.	-	129	110	4	S	105	5
CD 79	AA70 542	JERMAN, CLARIS E.	H. H. BUNKER AND SONS, INC.	1970	101	84	4	S	79	5
CD 80	-	TOLODZIECKI, J. E.	LEATHERBURY	1958	89	124	4	-	-	-
CD 81	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1970	60	99	-	X	-	-
CD 82	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1970	33	138	1	T	48	2
CD 83	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1970	110	149	-	X	-	-
CD 84	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1970	17	99	-	X	-	-
CD 85	-	U S GEOLOGICAL SURVEY	US GEOLOGICAL SURVEY	1970	59	30	1	T	27	3
CD 86	-	U S GEOLOGICAL SURVEY	MARYLAND WATER RESOURCES ADMIN.	1970	100	46	6	X	-	-
CD 87	-	U S GEOLOGICAL SURVEY	MARYLAND WATER RESOURCES ADMIN.	1970	75	32	1	T	29	3

FINISH CODES

O OPEN END
S SCREEN
T SAND POINT
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	50M	11-51	-	-	5	-	4	-	H	-	D	CD 42
MAGOTHY	103	9-53	151	9-53	365	9-53	12	7.6	T	T	Q D E	CD 43
	71	3-55	80	3-55	20	3-55	4	2.2	H	J	D	CD 44
PATAPSCO	77	6-56	130	6-56	250	6-56	24	4.7	U	T	U D	CD 45
MAGOTHY	17M	9-59	-	-	-	-	-	-	U	N	U	CD 46
MAGOTHY	80M	6-69	-	-	100	-	3	10.0	P	T	D O	CD 48
PATAPSCO	40M	2-60	-	-	25	-	3	0.7	H	S	D	CD 49
MAGOTHY	110	1-57	170	1-57	415	1-57	24	6.9	T	T	D J	CD 50
MAGOTHY	60	12-57	90	12-57	200	12-57	3	6.7	T	S	D	CD 51
	54	4-55	88	4-55	20	4-55	4	0.6	N	J	D	CD 52
MAGOTHY	117M	-	-	-	30	-	8	1.2	U	N	U D	CD 53
MAGOTHY	55M	9-60	-	-	-	-	-	-	U	N	U	CD 57
MAGOTHY	55M	9-60	-	-	8	-	-	-	H	P	D	CD 58
MAGOTHY	42	10-55	50	10-55	35	10-55	3	4.4	T	T	D	CD 61
CRETACEOUS	81	7-47	94	7-47	10	7-47	4	0.8	C	J	D	CD 63
CRETACEOUS	91	7-56	102	7-56	8	7-56	4	0.7	C	S	D	CD 64
MAGOTHY	24	8-52	-	-	20	-	2	-	C	-	D	CD 65
MAGOTHY	90	9-59	95	9-59	10	9-59	1	2.0	H	S	D	CD 67
MAGOTHY	41	2-60	42	2-60	10	2-60	1	10.0	H	-	D	CD 68
MAGOTHY	125	12-56	145	12-56	120	12-56	8	6.0	T	T	D	CD 70
MAGOTHY	50	2-60	75	2-60	10	2-60	1	0.4	H	-	D	CD 71
MAGOTHY	110	5-61	214	5-61	404	5-61	24	3.9	T	T	D	CD 72
MAGOTHY	78M	4-70	-	-	6	-	2	0.4	H	S	D	CD 74
MAGOTHY	84M	4-70	-	-	14	-	2	4.7	H	S	D O	CD 78
MAGOTHY	41M	4-70	-	-	10	-	1	2.0	H	J	D O	CD 79
MAGOTHY	75M	4-70	-	-	-	-	-	-	H	J	O	CD 80
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T D E J	CD 81
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T E D	CD 82
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T D J	CD 83
MAGOTHY	FM	11-70	-	-	-	-	-	-	U	N	T D J	CD 84
MAGOTHY	10M	5-71	-	-	-	-	-	-	U	N	O D J	CD 85
MATAWAN - MONMOUTH	16	12-70	-	-	-	-	-	-	U	N	T E J	CD 86
MAGOTHY	14M	4-71	-	-	-	-	-	-	U	N	O D J	CD 87

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CD 89	-	U S GEOLOGICAL SURVEY	MARYLAND WATER RESOURCES ADMIN.	1970	100	45	1	P	42	3
CD 90	AA71 530	GULF OIL CO	EAST COAST WELL & PUMP INC.	1971	160	190	6	G	180	10
CD 91	-	CROWNSVILLE ST HOSPITAL	MARYLAND WATER RESOURCES ADMIN.	1971	42	50	1	T	32	3
CD 92	AA72 185	ARUNDEL NURSING CENTER INC	H. H. BUNKER AND SONS, INC.	1971	145	200	6	G	190	10
CD 93	54254	SUMMER HILL TRAILER PARK	R. M. LEATHERBURY	1964	135	201	4	S	185	16
CD 94	AA73 2448	SUMMER HILL TRAILER PARK	H. H. BUNKER AND SONS, INC.	1973	145	207	4	G	197	10
CD 95	AA65W 873	SCRUGGS, JESSE	CHAS. TRIFILLIS	1965	135	367	4	S	362	5
CD 96	AA66W1128	BEN OAKS CIVIC ASSOCIATION	LAYNE-ATLANTIC CO.	1966	10	107	4	S	101	-
CD 97	AA70 828	BEN OAKS CIVIC ASSOCIATION	FRANK'S WELL DRILLING CO.	1970	10	127	4	S	122	5
CD 98	AA69 25	CALVIN GRAY AND ASSOCIATES	LAYNE-ATLANTIC CO.	1968	65	307	7	S	292	15
CD 99	-	-	EAST COAST WELL & PUMP INC.	1967	125	115	-	-	-	-
CE 1	-	A A CO DEPT OF PUBLIC WORKS	H. H. BUNKER AND SONS, INC.	1933	12	213	8	S	203	10
CE 2	-	A A CO DEPT OF PUBLIC WORKS	H. H. BUNKER AND SONS, INC.	1933	12	200	4	S	190	10
CE 4	83	ERNEST, CHARLES A.	THEODORE N. SMITH	1945	5	106	6	-	102	-
CE 5	-	JESSA, J.J.	WASHINGTON PUMP AND WELL CO.	-	65	92	6	-	-	-
CE 6	-	DALTON, PETER J	WILLIAM H. EILER	-	32	170	3	-	-	-
CE 8	-	HILGENBERG, W F	-	-	15	12	-	-	-	-
CE 9	-	-	-	1945	15	13	48	W	-	-
CE 10	-	JACOBS, J H	-	1932	10	175	4	-	-	-
CE 12	-	ZEPP	JOHN NOVAK	-	10	133	4	S	-	5
CE 14	-	MCKINSEY, FOLGER	-	1920	2	140	4	-	-	-
CE 17	-	LITTLE, H B	ED GARVAN	1928	1	220	2	-	-	-
CE 18	-	HEINSTADT, JOHN	ED GARVAN	-	1	90	2	-	-	-
CE 20	-	SALMON	JOHN NOVAK	1939	126	255	6	-	-	-
CE 21	-	CHAPMAN, MRS N. P.	ED GARVAN	1923	3	164	-	-	-	-
CE 21	-	CHAPMAN, MRS N. P.	ED GARVAN	1923	3	164	-	-	-	-
CE 22	-	CHAPMAN, MRS N. P.	ED GARVAN	1923	3	164	-	-	-	-
CE 24	-	VOSBURY, R F	-	1925	60	211	6	-	-	-
CE 26	-	WROXETER SCHOOL	H. H. BUNKER AND SONS, INC.	1940	10	266	6	-	-	-
CE 28	-	WEISMAN, MRS.	-	1921	140	96	48	-	-	-
CE 29	-	PULSEFER, C C	-	-	70	65	48	W	-	-
CE 30	-	JOYCE LANE COMMUNITY WATER	H. H. BUNKER AND SONS, INC.	-	60	149	6	-	-	-

FINISH CODES

G GR PK&SCREEN
P PERF.-SLOTTED
S SCREEN
T SAND POINT
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T D J	CD 89
MAGOTHY	131	3-71	136	3-71	30	3-71	4	6.0	C	S	D E J	CD 90
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T D J	CD 91
MAGOTHY	121M	9-71	-	-	50	-	50	1.3	T	S	D	CD 92
MAGOTHY	120	1-64	127	1-64	20	1-64	6	2.9	P	S	D	CD 93
MAGOTHY	123	8-73	160	8-73	30	8-73	24	0.8	P	S	D	CD 94
PATAPSCO	100	3-65	120	3-65	15	3-65	1	0.8	S	S	D	CD 95
PATAPSCO	F	3-66	120	3-66	60	3-66	4	6.0	Z	S	D	CD 96
PATAPSCO	1	6-70	-	-	21	-	2	-	R	S	D	CD 97
PATAPSCO	36M	-	-	-	100	-	8	6.3	U	N	U D	CD 98
-	-	-	-	-	-	-	-	-	H	-	J	CD 99
MAGOTHY	11M	9-59	-	-	46	-	-	-	U	N	Z Q D	CE 1
MAGOTHY	9	-	-	-	150	-	-	-	U	N	Z	CE 2
PATAPSCO	F	-	52	-	15	-	-	1.7	H	-	Q D	CE 4
MAGOTHY	52	-	65	-	20	-	-	1.5	H	P	D	CE 5
PATAPSCO	26	1-46	30	1-46	5	1-46	-	1.3	H	J	D	CE 6
PLEISTOCENE	10M	2-46	-	-	-	-	-	-	H	-		CE 8
PLEISTOCENE	11M	2-46	-	-	-	-	-	-	H	-		CE 9
CRETACEOUS	F	2-46	-	-	4	-	-	-	U	N	U Q	CE 10
CRETACEOUS	4M	2-46	-	-	10	-	-	2.0	-	T		CE 12
CRETACEOUS	F	2-46	-	-	-	-	-	-	H	-	Q	CE 14
PATAPSCO	F	2-46	-	-	4	-	-	-	H	P	Q	CE 17
MAGOTHY	F	2-46	-	-	4	-	-	-	U	-	U Q	CE 18
CRETACEOUS	133M	6-46	-	-	20	-	-	-	U	N	U	CE 20
PATAPSCO	F	-	-	-	-	-	-	-	P	P		CE 21
PATAPSCO	F	-	-	-	-	-	-	-	P	P		CE 21
PATAPSCO	F	-	-	-	-	-	-	-	P	P		CE 22
PATAPSCO	73M	3-46	-	-	-	-	-	-	U	N	Z	CE 24
PATAPSCO	6M	3-46	-	-	50	-	-	-	T	P		CE 26
CRETACEOUS	92M	3-46	-	-	-	-	-	-	H	P		CE 28
AQUIA	62M	3-46	-	-	-	-	-	-	H	J		CE 29
MAGOTHY	11M	3-46	-	-	17	-	-	-	P	P		CE 30

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
R RECREATIONAL
S STOCK
T INSTITUTIONAL
U UNUSED
Z OTHER

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CE 31	-	DORSEY, LOTTIE	-	-	60	30	48	W	-	-
CE 32	-	CLIFFORD, ELINOR	H. H. BUNKER AND SONS, INC.	-	13	512	10	-	-	-
CE 33	-	CLIFFORD, ELINOR	H. H. BUNKER AND SONS, INC.	-	5	200	-	-	-	-
CE 34	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1944	5	165	3	G	-	10
CE 35	-	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1944	5	160	3	S	-	10
CE 36	-	ZIMMERMAN, L S	-	1920	3	100	-	-	-	-
CE 37	-	FULTON, MRS ELIZABETH	H. H. BUNKER AND SONS, INC.	1941	40	160	4	-	-	-
CE 38	-	MENTZELL, W	-	1926	3	208	3	-	-	-
CE 39	-	ROGERS, WM.C.	-	1920	170	86	48	-	-	-
CE 40	-	KUBITZ, OTTO	-	-	165	90	72	W	-	-
CE 41	-	SHERWOOD FOREST WATER CO.	-	1920	5	337	6	-	-	-
CE 43	-	EPPING FOREST WATER CO.	LEATHERBURY	1928	3	96	2	-	-	-
CE 44	-	EPPING FOREST WATER CO.	LEATHERBURY	1928	4	96	2	-	-	-
CE 45	-	EPPING FOREST WATER CO.	LEATHERBURY	1929	5	96	2	-	-	-
CE 46	-	EPPING FOREST WATER CO.	LEATHERBURY	1931	3	96	8	-	-	-
CE 49	-	RIDGLEY, G G	WASHINGTON PUMP AND WELL CO.	1938	50	450	8	S	-	-
CE 50	-	HILGENBERG, W F	WILLIAM H. EILER	-	10	68	3	-	-	-
CE 51	1691	RECKENWALD, MATHAIS J	LAYNE-ATLANTIC CO.	1947	20	60	4	S	55	5
CE 52	1894	A A CO BD EDUCA AREA H Q	LAYNE-ATLANTIC CO.	1947	134	477	6	S	455	22
CE 58	-	ARNOLD VOL FIRE DEPARTMENT	H. H. BUNKER AND SONS, INC.	1951	120	-	4	-	-	-
CE 59	10128	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1952	5	194	8	S	184	10
CE 60	6432	DREISONSTOK, JOSEPH Y.	GEO. E. CROUSE	1951	80	242	4	S	-	20
CE 62	-	ST CONRAD'S FRIARY	H. H. BUNKER AND SONS, INC.	-	10	195	6	-	-	-
CE 63	8592	FRANTUM, A E	LAYNE-ATLANTIC CO.	1951	85	127	4	S	122	5
CE 64	34494	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1959	15	232	8	S	123	20
CE 65	35523	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1959	10	150	10	S	130	20
CE 66	4035	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1950	10	119	8	S	109	10
CE 67	15241	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1954	10	185	10	S	175	10
CE 68	30385	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1958	10	554	6	S	183	15
CE 69	36387	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1959	15	203	10	S	183	20
CE 70	36388	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1959	15	416	10	S	396	20
CE 80	38680	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	80	602	6	S	538	15
CE 81	38680	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1960	80	490	6	S	194	15

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MATAWAN - MONMOUTH	22M	4-46	-	-	-	-	-	-	H	P		CE 31
PATAPSCO	F	-	-	-	100	-	-	-	H	Z	Q	CE 32
PATAPSCO	F	-	-	-	20	-	-	-	H	N	Q	CE 33
PATAPSCO	F	-	-	-	43	-	-	-	U	N	Z Q	CE 34
PATAPSCO	F	-	-	-	-	-	-	-	U	N	Z	CE 35
PATAPSCO	F	-	-	-	5	-	-	-	H	P	Q	CE 36
PATAPSCO	70	-	-	-	-	-	-	-	H	J	Q	CE 37
PATAPSCO	F	-	-	-	3	-	-	-	H	P	Q	CE 38
MATAWAN - MONMOUTH	77M	5-46	-	-	-	-	-	-	H	P		CE 39
MATAWAN - MONMOUTH	81M	5-46	-	-	-	-	-	-	H	P		CE 40
PATAPSCO	F	-	-	-	-	-	-	-	U	N	Z	CE 41
MAGOTHY	F	-	-	-	-	-	-	-	U	N	Z	CE 43
MAGOTHY	F	-	-	-	-	-	-	-	U	N	Z	CE 44
MAGOTHY	F	-	-	-	-	-	-	-	U	N	Z	CE 45
MAGOTHY	F	-	-	-	-	-	-	-	U	T	Z Q	CE 46
PATAPSCO	32M	6-46	-	-	-	-	-	-	U	N	U	CE 49
MAGOTHY	9	-	14	-	12	-	-	2.4	H	-	D	CE 50
MAGOTHY	44	9-47	50	9-47	20	9-47	6	3.3	H	J	D	CE 51
PATAPSCO	128	9-47	150	9-47	90	9-47	8	4.1	U	-	U D	CE 52
-	-	-	-	-	-	-	-	-	H	P		CE 58
MAGOTHY	0	5-52	10	5-52	100	5-52	3	10.0	U	-	Z D	CE 59
MAGOTHY	115	8-51	140	8-51	5	8-51	8	0.2	H	P	D	CE 60
MAGOTHY	1M	11-51	-	-	-	-	-	-	U	N	U	CE 62
MATAWAN - MONMOUTH	70M	11-51	-	-	14	-	-	-	H	J	D	CE 63
PATAPSCO	5	5-59	70	5-59	350	5-59	18	5.4	U	N	T D	CE 64
PATAPSCO	10	7-59	50	7-59	350	7-59	8	8.8	P	T	D	CE 65
PATAPSCO	F	-	-	-	50	-	3	-	P	T	D	CE 66
PATAPSCO	1	8-54	60	8-54	174	8-54	5	2.9	P	T	D	CE 67
MAGOTHY	10	4-58	120	4-58	275	4-58	4	2.5	U	N	T D	CE 68
PATAPSCO MAGOTHY	12M	1-60	-	-	440	-	24	6.0	P	T	Q D	CE 69
PATAPSCO	10M	1-60	-	-	450	-	8	8.8	P	T	Q D	CE 70
PATAPSCO	58M	5-60	-	-	328	-	-	5.0	U	N	T D E	CE 80
PATAPSCO	62M	5-60	-	-	259	-	-	3.2	U	N	T Q	CE 81

WATER USE CODES

H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
T TURBINE
Z OTHER

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CE 83	-	BERNAN, NANNIE	-	-	75	29	-	-	-	-
CE 84	-	MCCANN, R. HAROLD	H. H. BUNKER AND SONS, INC.	1936	120	75	48	-	-	-
CE 89	31954	ASBURY METHODIST CHURCH	H. H. BUNKER AND SONS, INC.	1958	120	102	4	S	95	7
CE 94	43201	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	90	550	10	S	530	20
CE 95	43202	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	89	508	10	S	432	-
CE 96	43203	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1961	89	198	10	S	183	15
CE 97	AA69 731	A A CO REC. & PARKS DEPT	H. J. GREER DRILLING CO.	1969	58	162	4	S	158	4
CE 98	55132	SHERWOOD FOREST WATER CO.	LAYNE-ATLANTIC CO.	1964	12	160	8	S	140	20
CE 99	AA66W 871	EPPING FOREST WATER CO.	COLUMBIA PUMP & WELL CO.	1966	10	94	6	S	78	16
CE 100	-	EPPING FOREST WATER CO.	-	1940	10	79	6	-	-	-
CE 101	AA68W 460	EPPING FOREST WATER CO.	EAST COAST WELL & PUMP INC.	1967	10	95	6	S	80	15
CE 102	AA69 1081	MELTZ, ARMIDA O	H. J. GREER DRILLING CO.	1969	67	82	4	S	77	5
CE 103	AA69 431	SCHUTT, ARTHUR C.	H. H. BUNKER AND SONS, INC.	1969	59	112	4	S	107	5
CE 105	AA69 1164	WIRTS, DR. CARL A.	H. H. BUNKER AND SONS, INC.	1969	40	106	4	S	101	5
CE 106	AA69 1089	AKERSON, FRED B	H. J. GREER DRILLING CO.	1969	69	152	4	S	147	5
CE 108	AA69 1091	ANDERSON, CHARLES H	H. J. GREER DRILLING CO.	1969	75	150	4	S	145	5
CE 109	AA69 1010	CARR, MAYNARD D	C. C. PURNER WELL DRILLING CO. INC.	1969	75	135	4	G	119	16
CE 110	AA70 419	MOONEY, DAVID H JR.	C. C. PURNER WELL DRILLING CO. INC.	1969	76	125	4	S	105	20
CE 112	AA70 188	HAKE, THOMAS H	H. H. BUNKER AND SONS, INC.	1969	40	115	4	S	110	5
CE 113	AA70 534	BAY COUNTRY SCHOOL	H. H. BUNKER AND SONS, INC.	1970	48	83	4	S	78	5
CE 114	AA70 606	HIGGINS, D W	H. H. BUNKER AND SONS, INC.	1970	84	224	4	S	219	5
CE 115	AA70 639	SOUTH FOREST CO	H. H. BUNKER AND SONS, INC.	1970	50	139	4	S	134	5
CE 116	AA71 411	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1971	42	403	6	S	292	30
CE 117	-	A A CO DEPT OF PUBLIC WORKS	-	-	80	-	-	-	-	-
CE 118	AA69 732	A A CO REC. & PARKS DEPT	H. J. GREER DRILLING CO.	1969	140	219	4	S	214	5
CE 119	AA73 1300	EPPING FOREST WATER CO.	EAST COAST WELL & PUMP INC.	1973	10	105	8	G	88	17
CF 1	-	A A CO DEPT OF PUBLIC WORKS	SHANNAHAN ARTESIAN WELL CO.	1923	25	319	10	S	298	20
CF 2	-	A A CO DEPT OF PUBLIC WORKS	SHANNAHAN ARTESIAN WELL CO.	1929	25	323	10	S	298	25
CF 3	-	GRYMES, H L	G. EDGAR HARR SONS' CORP.	1942	25	630	6	O	-	-
CF 4	-	HARE, L V	G. EDGAR HARR SONS' CORP.	1932	10	205	6	O	-	-
CF 5	-	DE GRUCY	-	1933	10	-	4	-	-	-
CF 6	-	CHELTON, F P	LEATHERBURY	1945	15	93	4	S	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	17M	6-60	-	-	-	-	-	-	H	-	Q	CE 83
AQUIA	68M	5-60	-	-	-	-	-	-	U	N	O	CE 84
MATAWAN - MONMOUTH	68	9-58	80	9-58	15	9-58	2	1.3	H	S	D	CE 89
PATAPSCO	61	9-61	116	9-61	500	9-61	24	9.1	P	T	D E	CE 94
PATAPSCO	59	8-61	101	8-61	500	8-61	24	11.9	P	T	D E	CE 95
PATAPSCO	63	10-61	125	10-61	400	10-61	24	6.5	P	T	D	CE 96
MAGOTHY	47M	6-69	-	-	10	-	1	1.0	C	S	D J O	CE 97
MAGOTHY	12M	7-69	-	-	350	-	8	5.2	P	T	D	CE 98
MAGOTHY	0	3-66	65	3-66	70	3-66	8	1.1	P	S	D	CE 99
MAGOTHY	10M	7-69	-	-	-	-	-	-	U	N	U J	CE 100
MAGOTHY	5	11-67	60	11-67	70	11-67	8	1.3	U	S	Z D	CE 101
MAGOTHY	61M	11-69	-	-	10	-	1	2.0	H	S	D	CE 102
MAGOTHY	56M	4-70	-	-	50	-	1	16.7	H	S	D	CE 103
MAGOTHY	41M	4-70	-	-	20	-	2	6.7	H	J	D	CE 105
MAGOTHY	65M	12-69	-	-	12	-	1	2.4	H	S	D	CE 106
MAGOTHY	70M	12-69	-	-	12	-	1	1.2	H	S	D	CE 108
MAGOTHY	65	5-69	90	5-69	30	5-69	2	1.2	R	S	D	CE 109
MAGOTHY	79M	2-70	-	-	10	-	2	0.8	H	S	D	CE 110
MATAWAN - MONMOUTH	33M	3-70	-	-	6	-	1	0.4	H	S	D	CE 112
MAGOTHY	45M	3-70	-	-	20	-	6	1.2	T	S	D O	CE 113
MAGOTHY	83M	4-70	-	-	35	-	8	2.1	H	S	D E J O	CE 114
MAGOTHY	47	4-70	75	4-70	30	4-70	2	1.1	U	N	T D J	CE 115
PATAPSCO	30	3-71	63	3-71	300	3-71	24	9.1	U	N	T Q D +	CE 116
PATUXENT	-	-	-	-	-	-	-	-	U	-	O	CE 117
MAGOTHY	120	3-69	130	3-69	12	3-69	1	1.2	C	-	D	CE 118
MAGOTHY	3	8-73	56	8-73	90	8-73	8	1.7	P	S	D	CE 119
PATAPSCO	32	-	114	-	100	-	-	1.2	U	N	Z Q D	CF 1
PATAPSCO	13M	9-59	-	-	100	-	-	-	P	T		CF 2
PATAPSCO	-	-	-	-	-	-	-	-	H	P	D	CF 3
PATAPSCO	15	-	-	-	25	-	-	-	-	-	Q	CF 4
-	8M	1-46	-	-	-	-	-	-	H	P		CF 5
MAGOTHY	12M	2-46	-	-	7	-	-	-	H	P		CF 6

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
R RECREATIONAL
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CF 7	-	FISHPOLE, B J	-	1946	146	78	60	-	-	-
CF 8	-	LYNCH, CHARLES B	-	-	15	18	A2	W	-	-
CF 9	-	HANEKE, HENRY	-	1924	120	74	48	W	-	-
CF 11	-	DIPAULA, FRANK	H. H. BUNKER AND SONS, INC.	1933	5	95	2	-	-	-
CF 13	-	RUCK, LEONARD	-	1938	10	190	4	-	-	-
CF 15	-	LABROT, WILLIAM	LEATHERBURY	1945	3	280	2	S	-	-
CF 17	-	MANRESA ON THE SEVERN	H. H. BUNKER AND SONS, INC.	1939	5	85	4	-	-	-
CF 18	-	HIRSCHFELD, O K	-	-	80	72	60	W	-	-
CF 21	4208	LEESE, K H	MARYLAND DRILLING CO.	1949	40	145	6	S	138	7
CF 22	6923	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1950	25	319	10	S	304	15
CF 25	8496	TYSON, DONALD G	H. H. BUNKER AND SONS, INC.	1951	19	60	4	S	55	5
CF 26	6306	PRINCE	H. H. BUNKER AND SONS, INC.	1950	55	80	4	S	75	5
CF 27	-	MIMMS, ROBERT L	-	-	58	44	2	-	-	-
CF 28	7906	MIMMS, ROBERT L	C. C. PURNER WELL DRILLING CO. INC.	1951	58	70	4	G	-	10
CF 34	-	YANTZ, R	H. SMITH	1951	20	20	36	-	-	-
CF 38	16737	U S ARMY	H. H. BUNKER AND SONS, INC.	1955	80	270	8	S	260	10
CF 39	16738	U S NAVAL SHIP R & D CENTER	H. H. BUNKER AND SONS, INC.	1955	23	280	8	S	270	10
CF 40	16747	KIRBY, W F	C. C. PURNER WELL DRILLING CO. INC.	1954	110	121	3	T	-	-
CF 41	13779	CHESAPEAKE INN	H. H. BUNKER AND SONS, INC.	1953	35	51	4	S	43	8
CF 42	-	CAPE ST CLAIRE VOL FIRE CO	R. M. LEATHERBURY	1956	20	42	4	G	32	10
CF 43	-	PETTEBONE, CHAS & ELLIOTT	-	-	30	20	-	-	-	-
CF 44	-	DOW, F H	BERNARD WHITTINGTON	1955	19	-	36	-	-	-
CF 45	-	FISHER, ETHEL E	-	1920	15	13	48	W	-	-
CF 46	-	RIDOUT, ORLANDO IV	H. H. BUNKER AND SONS, INC.	1951	15	60	-	-	-	-
CF 47	-	RIDOUT, ORLANDO IV	H. H. BUNKER AND SONS, INC.	1951	15	40	2	-	-	-
CF 48	-	CHESAPEAKE BAY INSTITUTE	-	-	25	28	-	W	-	-
CF 49	-	CHESAPEAKE BAY INSTITUTE	-	-	25	16	48	-	-	-
CF 50	-	HANNA, FRANK	-	-	85	48	36	W	-	-
CF 51	22876	ESSO STD OIL CO	LAYNE-ATLANTIC CO.	1956	30	52	4	S	47	5
CF 52	22990	SHEPHARD & VANOUS	H. H. BUNKER AND SONS, INC.	1956	25	60	4	S	55	5
CF 54	15074	HAMMOND, RICHARD	H. H. BUNKER AND SONS, INC.	1954	120	98	4	S	93	5
CF 55	-	HANEKE, C S	-	1856	125	65	-	W	-	-
CF 56	-	RICHARD LYDEL'S SINCLAIR STA	-	1956	60	62	4	-	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
T SAND POINT
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
AQUIA	73M	4-46	-	-	-	-	-	-	H	P		CF 7
PLEISTOCENE	16M	4-46	-	-	-	-	-	-	S	P		CF 8
AQUIA	69M	4-46	-	-	-	-	-	-	H	P		CF 9
MAGOTHY	F	-	-	-	-	-	-	-	H	P	Q	CF 11
MAGOTHY	F	-	-	-	2	-	-	-	H	-	Q	CF 13
MAGOTHY	FM	4-46	-	-	12	-	-	-	S	N	Q	CF 15
MATAWAN - MONMOUTH	-	-	-	-	-	-	-	-	T	P		CF 17
AQUIA	66M	4-46	-	-	-	-	-	-	H	-		CF 18
MAGOTHY	21	7-49	71	7-49	15	7-49	-	0.3	H	-	D	CF 21
PATAPSCO	19M	1-51	-	-	300	-	36	4.2	P	T	D	CF 22
CRETACEOUS	17M	10-51	-	-	20	-	-	-	H	J	D	CF 25
AQUIA	45M	10-51	-	-	5	-	1	-	H	J	D	CF 26
AQUIA	32M	10-51	-	-	-	-	-	-	U	N	U	CF 27
AQUIA	30	5-51	40	5-51	10	5-51	6	1.0	C	J	D	CF 28
-	18M	10-51	-	-	-	-	-	-	H	-		CF 34
MAGOTHY	52	1-55	105	1-55	20	1-55	20	0.4	-	J	Q D E J	CF 38
MAGOTHY	21M	10-69	-	-	28	-	30	0.5	-	J	D J	CF 39
MATAWAN - MONMOUTH	73	10-54	78	10-54	5	10-54	2	1.0	H	P	Q D	CF 40
AQUIA	15	11-53	-	-	20	-	2	-	C	J	Q D	CF 41
AQUIA	10	3-56	-	-	30	-	-	-	H	P	Q D	CF 42
PLEISTOCENE	-	-	-	-	-	-	-	-	H	J	Q	CF 43
PLEISTOCENE	-	-	-	-	3	-	-	-	H	-	Q	CF 44
PLEISTOCENE	15M	9-56	-	-	-	-	-	-	H	-	Q	CF 45
AQUIA	-	-	-	-	-	-	-	-	H	J	Q	CF 46
AQUIA	12M	9-56	-	-	-	-	-	-	H	P	Q	CF 47
PLEISTOCENE	20M	9-56	-	-	-	-	-	-	H	J	Q	CF 48
PLEISTOCENE	15M	9-56	-	-	-	-	-	-	-	-		CF 49
AQUIA	44M	9-56	-	-	3	-	-	-	H	J	Q	CF 50
AQUIA	5	5-56	15	5-56	35	5-56	3	3.5	C	-	D	CF 51
AQUIA	20	4-56	-	-	10	-	1	-	H	J	Q D	CF 52
AQUIA	67	5-54	-	-	6	-	1	-	H	J	Q D	CF 54
AQUIA	57M	2-61	-	-	-	-	-	-	H	J	Q	CF 55
AQUIA	-	-	-	-	-	-	-	-	C	J	Q	CF 56

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
S STOCK
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CF 57	-	MARTIN, DR	T. LEATHERBURY	1956	60	110	4	-	-	-
CF 58	20963	CLOUD, E G	C. C. PURNER WELL DRILLING CO. INC.	1955	80	101	3	S	91	10
CF 59	4435	RIVER BAY CO	R. M. LEATHERBURY	1949	15	63	1	S	42	21
CF 60	12685	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	-	40	302	8	S	292	10
CF 61	14758	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1954	58	1008	-	-	-	-
CF 62	14758	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1954	58	325	12	S	310	15
CF 63	23741	A A CO DEPT OF PUBLIC WORKS	SHANNAHAN ARTESIAN WELL CO.	1956	65	360	5	-	90	13 10
CF 64	24455	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1956	65	332	8	S	312	20
CF 65	-	DAVIDSON, W T	H. H. BUNKER AND SONS, INC.	1922	60	38	48	W	-	-
CF 66	18744	HOWARD JOHNSON RESTAURANT	M. J. WILMER	1955	90	218	2	-	194	-
CF 67	19788	HOWARD JOHNSON RESTAURANT	M. J. WILMER	1955	95	252	4	-	-	-
CF 68	22042	HOWARD JOHNSON RESTAURANT	M. J. WILMER	1955	95	167	4	-	-	-
CF 69	22082	HOWARD JOHNSON RESTAURANT	M. J. WILMER	1956	95	140	6	G	120	20
CF 70	29651	HOWARD JOHNSON RESTAURANT	H. H. BUNKER AND SONS, INC.	1958	95	88	6	S	77	11
CF 71	30372	HOWARD JOHNSON RESTAURANT	H. H. BUNKER AND SONS, INC.	1958	105	118	6	S	108	10
CF 72	29717	HOWARD JOHNSON MOTOR LODGE	H. H. BUNKER AND SONS, INC.	1958	100	107	6	S	97	10
CF 73	30371	HOWARD JOHNSON MOTOR LODGE	H. H. BUNKER AND SONS, INC.	1958	110	115	6	S	105	10
CF 74	29278	HOWARD JOHNSON MOTOR LODGE	R. M. LEATHERBURY	1957	100	240	6	S	220	20
CF 75	24095	ANNAPOLIS TERRACE MOTEL	R. M. LEATHERBURY	1956	50	210	6	S	190	20
CF 76	31094	CAPTAIN'S TABLE RESTAURANT	H. H. BUNKER AND SONS, INC.	1958	40	52	-	-	-	-
CF 77	31759	ANNAPOLIS TERRACE MOTEL	H. H. BUNKER AND SONS, INC.	1858	50	60	6	S	50	10
CF 78	31760	ANNAPOLIS TERRACE MOTEL	H. H. BUNKER AND SONS, INC.	1958	50	60	6	-	50	10
CF 79	34620	CHARTERHOUSE MOTEL & REST	LAYNE-ATLANTIC CO.	1959	95	128	6	S	123	5
CF 80	34619	CHARTERHOUSE MOTEL & REST	LAYNE-ATLANTIC CO.	1959	95	125	6	S	120	5
CF 81	14541	DUTCH MILL FARM RESTAURANT	R. M. LEATHERBURY	1954	95	102	4	S	82	20
CF 82	22115	CAPTAIN'S TABLE RESTAURANT	LEATHERBURY	1955	40	92	4	S	67	25
CF 83	22116	ANNAPOLIS TERRACE MOTEL	LEATHERBURY	1955	50	92	4	S	67	25
CF 84	22117	ANNAPOLIS TERRACE MOTEL	LEATHERBURY	1955	50	92	4	S	67	25
CF 87	-	SCHMINCKE, CHARLES O	-	-	25	28	48	-	-	-
CF 88	33505	COLONIAL MANOR	LEATHERBURY	1959	110	126	6	G	-	-
CF 91	6592	CAPE ST.CLAIRE IMPRVMNT ASN	R. M. LEATHERBURY	1950	45	60	2	S	28	32
CF 94	37878	BASSFORD, ROBERT	R. M. LEATHERBURY	1960	70	84	2	S	74	10
CF 95	34853	SHORE ACRES INN	H. H. BUNKER AND SONS, INC.	1959	20	105	4	S	100	5

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	-	-	-	-	-	-	-	-	H	P	Q	CF 57
AQUIA	64	10-55	72	10-55	5	10-55	6	0.6	H	J	Q D	CF 58
MATAWAN - MONMOUTH	10M	2-60	-	-	10	-	5	3.3	U	P	U Q D	CF 59
PATAPSCO	70	11-53	130	11-53	147	11-53	8	2.4	U	N	Z D	CF 60
CRETACEOUS	-	-	-	-	-	-	-	-	U	N	T D	CF 61
PATAPSCO	63	4-54	76	4-54	150	4-54	4	11.5	P	T	Q	CF 62
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	CF 63
PATAPSCO	54	10-56	100	10-56	465	10-56	8	10.1	P	T	D	CF 64
AQUIA	30M	9-59	-	-	-	-	-	-	U	P	U D	CF 65
MAGOTHY	54	1-55	62	1-55	5	1-55	3	0.6	U	N	T D	CF 66
MAGOTHY	56	10-55	94	10-55	18	10-55	36	0.5	U	N	Z D	CF 67
MATAWAN - MONMOUTH	48	11-55	62	11-55	16	11-55	72	1.1	U	N	Z D	CF 68
MATAWAN - MONMOUTH	48	3-56	76	3-56	26	3-56	24	0.9	U	N	Z D	CF 69
AQUIA	46	1-58	75	1-58	32	1-58	-	1.1	C	S	D	CF 70
AQUIA	68	3-58	110	3-58	25	3-58	5	0.6	C	J	D	CF 71
AQUIA	62	1-58	100	1-58	20	1-58	24	0.5	C	J	D	CF 72
AQUIA	65	3-58	110	3-58	25	3-58	3	0.6	C	J	D	CF 73
MAGOTHY	130	-	150	-	10	-	1	0.5	U	N	Z D	CF 74
MAGOTHY	50	8-56	56	8-56	35	8-56	8	5.8	U	N	Z D	CF 75
AQUIA	20	5-58	38	5-58	25	5-58	3	1.4	U	S	U D	CF 76
AQUIA	21	8-58	43	8-58	15	8-58	3	0.7	C	S	D	CF 77
AQUIA	21	8-58	43	8-58	20	8-58	4	0.9	C	J	D	CF 78
AQUIA	67M	5-60	-	-	30	-	4	0.5	C	S	Q D	CF 79
AQUIA	61	4-59	123	4-59	30	4-59	4	0.5	C	S	D	CF 80
AQUIA	55	3-54	65	3-54	5	3-54	2	0.5	C	J	D	CF 81
AQUIA	53M	1-60	-	-	10	-	2	1.0	U	N	Z D	CF 82
AQUIA	50	-	60	-	10	-	2	1.0	U	N	Z D	CF 83
AQUIA	50	-	60	-	10	-	2	1.0	U	N	Z D	CF 84
AQUIA	21M	1-60	-	-	-	-	-	-	H	-		CF 87
AQUIA	45	3-59	65	3-59	12	3-59	4	0.6	P	S	D J	CF 88
AQUIA	18M	1-60	-	-	15	-	4	1.5	C	J	D	CF 91
AQUIA	46M	2-60	-	-	3	-	-	-	H	J	D	CF 94
MAGOTHY	18	6-59	-	-	40	-	2	-	C	J	D	CF 95

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CF 97	AA68W 210	CAPE ST CLAIRE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1967	70	275	10	S	250	25
CF 98	0 199	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1963	93	100	2	G	90	10
CF 99	AA70 199	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1969	94	220	2	G	210	10
CF 100	AA70 199	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1969	94	326	2	G	316	10
CF 101	AA70 199	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1969	90	373	6	G	254	60
CF 102	-	LAMB, WILLIAM JR.	-	-	30	10	-	-	-	-
CF 103	AA70 110	LAMB, WILLIAM JR.	H. H. BUNKER AND SONS, INC.	1969	28	79	4	S	74	5
CF 104	AA69 1141	PRINCE, C S	C. C. PURNER WELL DRILLING CO. INC.	1969	27	122	4	G	96	26
CF 105	AA70 424	FRITZ, ALBERT G	C. C. PURNER WELL DRILLING CO. INC.	1969	30	144	5	S	134	10
CF 106	AA70 483	ANDERSON, FREDERICK	JOHN H. BROWN	1970	107	145	4	S	135	10
CF 107	AA72 1270	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1973	40	570	6	S	530	25
CF 108	AA73 0472	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1973	130	520	6	S	420	70
CF 109	54783	JENKINS, DR. DAVID S.	LAYNE-ATLANTIC CO.	1963	90	475	4	S	470	5
CF 110	AA69 53	CAPE ST.CLAIRE SWIMMING CLB	C. C. PURNER, JR.	1968	50	53	4	G	43	10
CF 111	AA69 53	CAPE ST.CLAIRE SWIMMING CLB	C. C. PURNER, JR.	1968	50	63	4	G	53	10
CF 112	AA69 692	COLONIAL MANOR ESTATES	H. H. BUNKER AND SONS, INC.	1969	110	108	4	S	98	10
CF 113	AA71 246	HOWARD JOHNSON MOTOR LODGE	C. C. PURNER, JR.	1970	105	235	4	S	202	23
CF 114	AA71 247	HOWARD JOHNSON MOTOR LODGE	C. C. PURNER, JR.	1970	105	150	4	S	145	5
CF 115	AA71 251	CAPE ST.CLAIRE IMPRVMNT ASN	C. C. PURNER, JR.	1970	15	50	4	S	46	4
CF 116	AA73 1078	CAPE ST.CLAIRE IMPRVMNT ASN	H. H. BUNKER AND SONS, INC.	1973	20	114	4	G	109	5
CG 1	-	MD STATE HWY. ADMIN.	LEATHERBURY	1941	9	270	3	P	-	10
CG 2	-	MD STATE HWY. ADMIN.	LEATHERBURY	1941	9	138	6	S	126	12
CG 3	-	WESTINGHOUSE ELECTRIC CO	-	-	5	400	-	-	-	-
CG 4	-	MARYLAND PARK SERVICE	-	1938	6	700	-	-	-	-
CG 5	-	MARYLAND PARK SERVICE	LEATHERBURY	1936	7	300	-	-	-	-
CG 6	4686	MARYLAND PARK SERVICE	LAYNE-ATLANTIC CO.	1949	19	268	6	S	258	10
CG 7	5228	MARYLAND PARK SERVICE	LAYNE-ATLANTIC CO.	1950	17	275	10	S	260	15
CG 8	5228	MARYLAND PARK SERVICE	LAYNE-ATLANTIC CO.	1950	18	272	10	G	257	15
CG 9	-	MARYLAND PARK SERVICE	LAYNE-ATLANTIC CO.	1950	18	265	4	S	-	-
CG 10	39188	MD STATE HWY. ADMIN.	-	1949	12	265	4	S	255	10
CG 11	-	KRIEGER, MR & MRS	-	-	20	24	48	W	-	-
CG 12	15697	ROYO, MRS JOHN	WILLIAM H. EILER	1954	15	87	4	S	79	8

FINISH CODES

G GR PK&SCREEN
P PERF.-SLOTTED
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	72M	6-69	-	-	79	-	8	1.2	T	T	D	CF 97
MATAWAN - MONMOUTH	40M	5-71	-	-	-	-	-	-	U	N	O	CF 98
MAGOTHY	92M	5-71	-	-	12	-	3	-	U	N	O	CF 99
MAGOTHY	92M	5-71	-	-	25	-	1	-	U	N	O D E J	CF 100
MAGOTHY	89M	10-69	-	-	302	-	40	3.1	U	N	T Q D +	CF 101
PLEISTOCENE	7M	11-69	-	-	-	-	-	-	-	P		CF 102
MAGOTHY	20	8-69	40	8-69	10	8-69	1	0.5	H	J	D	CF 103
MAGOTHY	25M	11-69	-	-	22	-	1	1.5	H	S	D	CF 104
MAGOTHY	50	12-69	90	12-69	25	12-69	2	0.6	H	S	D	CF 105
MAGOTHY	104M	3-70	-	-	10	-	2	-	H	S	D	CF 106
PATAPSCO	33	3-73	74	3-73	244	3-73	24	6.0	U	N	T D E J	CF 107
PATAPSCO	121	3-73	201	3-73	300	3-73	24	3.8	U	N	T D E J	CF 108
PATAPSCO	98	12-63	134	12-63	25	12-63	5	0.7	U	J	U D	CF 109
AQUIA	23	7-68	40	7-68	15	7-68	4	0.9	-	S	D	CF 110
AQUIA	25	7-68	53	7-68	30	7-68	4	1.1	-	S	D	CF 111
AQUIA	69	3-69	80	3-69	8	3-69	2	0.7	P	S	D	CF 112
MAGOTHY	110	10-70	180	10-70	50	10-70	8	0.7	C	S	D	CF 113
MATAWAN - MONMOUTH	65	9-70	145	9-70	12	9-70	8	0.1	C	S	D	CF 114
MATAWAN - MONMOUTH	8	11-70	46	11-70	12	11-70	1	0.3	Z	S	D	CF 115
MAGOTHY	20	6-73	35	6-73	15	6-73	1	1.0	Z	S	D	CF 116
MAGOTHY	9M	5-45	-	-	4	-	-	-	H	-		CG 1
MATAWAN - MONMOUTH	7M	1-46	-	-	20	-	-	0.2	U	N	U	CG 2
PATAPSCO	F	-	-	-	-	-	-	-	U	N	Z	CG 3
PATAPSCO	F	4-46	-	-	-	-	-	-	U	N	Z	CG 4
MAGOTHY	F	-	-	-	-	-	-	-	-	N		CG 5
MAGOTHY	14M	4-72	-	-	200	-	8	5.0	P	T	Q D	CG 6
MAGOTHY	11M	3-50	-	-	210	-	-	2.3	P	T	D	CG 7
MAGOTHY	13M	3-66	-	-	250	-	-	6.0	P	T	D J	CG 8
MAGOTHY	23M	5-51	-	-	-	-	-	-	U	N	O D	CG 9
MAGOTHY	1M	4-51	-	-	64	-	12	8.0	H	P	D	CG 10
PLEISTOCENE	19M	9-56	-	-	3	-	-	-	H	-	Q	CG 11
AQUIA	13M	9-56	-	-	5	-	8	0.2	H	P	D	CG 12

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED
Z OTHER

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
CG 13	-	PUMPHREY, DAVID	-	-	30	25	36	-	-	-
CG 15	-	MARYLAND PARK SERVICE	LAYNE-ATLANTIC CO.	1950	18	277	-	S	-	-
CG 16	39853	SHELL OIL CO	H. H. BUNKER AND SONS, INC.	1960	20	58	4	S	53	5
CG 18	AA66W1439	WESTINGHOUSE ELECTRIC CO	LAYNE-ATLANTIC CO.	1966	8	530	14	S	510	20
CG 19	AA67W 122	WESTINGHOUSE ELECTRIC CO	LAYNE-ATLANTIC CO.	1966	8	518	14	S	498	20
CG 20	AA69 382	A A CO DEPT OF PUBLIC WORKS	EAST COAST WELL & PUMP INC.	1968	20	262	6	S	247	15
CG 21	AA71 797	MARYLAND PARK SERVICE	VERGIL S. ERNSBERGER	1971	17	88	4	G	78	10
DC 1	-	O'DELL, H M	-	1942	130	27	24	W	-	-
DC 5	3734	BARBER, EDWARD S	LAYNE-ATLANTIC CO.	1949	170	254	4	S	244	10
DC 6	-	RED'S DOVE SAND & GRAVEL CO	-	1950	5	60	2	-	-	-
DC 7	7513	U S AIR FORCE TRANSMIT. ST	COLUMBIA PUMP & WELL CO.	1951	120	183	6	S	173	10
DC 8	-	PIGEON HOUSE INN	W.S. WARD	-	45	245	2	-	230	15
DC 9	12945	EUTSLER, W M	H. H. BUNKER AND SONS, INC.	1953	180	84	4	S	77	7
DC 10	-	EUTSLER, W M	H. H. BUNKER AND SONS, INC.	-	180	83	4	S	76	7
DC 11	-	-	-	-	170	38	-	W	-	-
DC 13	40813	U S AIR FORCE TRANSMIT. ST	HAGMANN CO.	1960	123	272	10	S	237	35
DC 15	AA70 157	SEVEN-ELEVEN STORE	H. H. BUNKER AND SONS, INC.	1969	105	118	4	S	113	5
DC 16	AA69 1072	WAYSON, CLIFTON	EAST COAST WELL & PUMP INC.	1969	90	188	-	-	-	-
DD 1	-	BOTTNER, JOSEPH	-	1928	200	98	72	-	-	-
DD 3	-	HOPKINS, C E	-	1925	150	65	36	-	-	-
DD 6	-	WOOD, J E	-	1946	110	21	48	-	-	-
DD 7	-	DAVIDSONVILLE ELEM SCHOOL	-	-	145	-	-	-	-	-
DD 9	-	BARBOUR, MRS. ST.GEORGE	-	-	100	65	48	W	-	-
DD 12	-	HAUER, KENNETH	MILLER	-	50	45	2	S	-	-
DD 14	-	WILLIAMS, RICHARD	-	1946	110	14	36	-	-	-
DD 16	1733	DAVIDSONVILLE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1947	145	331	4	S	321	10
DD 17	2386	WINANT, H B	T. LEATHERBURY	1948	60	78	3	S	-	-
DD 19	-	KLEIN, J H	-	-	145	23	36	-	-	-
DD 21	-	RUTLAND SCHOOL	-	-	100	16	-	W	-	-
DD 22	-	-	-	-	100	23	-	W	-	-
DD 23	-	DOVE, R E	-	-	105	16	36	-	-	-
DD 24	20365	WATKINS, BENJAMIN 3RD	CYPHERS	1955	164	235	4	X	230	5

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
PLEISTOCENE	-	-	-	-	-	-	-	-	H	J	Q	CG 13
MAGOTHY	9	-	-	-	45	-	-	-	U	N	T D	CG 15
AQUIA	12	7-60	40	7-60	10	7-60	1	0.4	C	J	D	CG 16
PATAPSCO	8	6-66	25	6-66	100	6-66	24	5.9	N	T	D E	CG 18
PATAPSCO	6	11-66	41	11-66	349	11-66	24	10.0	N	T	D	CG 19
MAGOTHY	22M	3-70	-	-	25	-	24	0.2	H	S	D	CG 20
AQUIA	6M	5-74	-	-	20	-	2	-	U	S	U D	CG 21
PLEISTOCENE	11M	6-46	-	-	-	-	-	-	H	P		DC 1
MAGOTHY	130	3-49	136	3-49	15	3-49	8	2.5	H	-	D	DC 5
MATAWAN - MONMOUTH	-	-	-	-	-	-	-	-	N	P		DC 6
MAGOTHY	82M	4-51	-	-	47	-	48	2.5	-	T	Q D	DC 7
PATAPSCO	12	10-53	16	10-53	5	10-53	16	1.3	C	J	D	DC 8
AQUIA	45	7-53	-	-	12	-	2	-	H	P	Q D	DC 9
AQUIA	45	7-53	-	-	12	-	2	-	H	J	Q D	DC 10
-	34M	3-55	-	-	-	-	-	-	H	P		DC 11
MAGOTHY	89M	8-60	-	-	335	-	8	6.4	Z	S	Q D	DC 13
MAGOTHY	75M	11-69	-	-	10	-	6	0.3	C	S	D J	DC 15
MAGOTHY	61M	3-70	-	-	-	-	-	-	H	-		DC 16
AQUIA	70M	6-46	-	-	-	-	-	-	S	P		DD 1
-	47M	6-46	-	-	-	-	-	-	H	B		DD 3
PLEISTOCENE	12M	6-46	-	-	-	-	-	-	H	-		DD 6
-	-	-	-	-	-	-	-	-	U	N	Z	DD 7
AQUIA	57M	6-46	-	-	-	-	-	-	H	-		DD 9
AQUIA	36	-	-	-	-	-	-	-	H	P	Q	DD 12
CALVERT	11M	6-46	-	-	-	-	-	-	H	-		DD 14
MAGOTHY	105	8-47	115	8-47	20	8-47	6	2.0	U	N	Z	DD 16
AQUIA	52	3-48	74	3-48	3	3-48	8	0.1	U	N	U D	DD 17
PLEISTOCENE	26M	3-55	-	-	-	-	-	-	H	-		DD 19
-	-	-	-	-	-	-	-	-	U	-		DD 21
-	15M	3-55	-	-	-	-	-	-	H	P		DD 22
AQUIA	12M	3-55	-	-	-	-	-	-	H	J		DD 23
MAGOTHY	130M	10-60	-	-	3	-	-	0.1	H	S	O D	DD 24

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
S STOCK
U UNUSED
Z OTHER

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DD 25	7128	SULLIVAN, HOWARD C	H. H. BUNKER AND SONS, INC.	1951	165	166	4	S	161	5
DD 26	24203	A A CO ROADS COMMISSION	H. H. BUNKER AND SONS, INC.	1956	75	94	4	S	89	5
DD 27	27420	HOWELL, JOHN	C. C. PURNER WELL DRILLING CO. INC.	1957	65	68	4	S	62	6
DD 28	23381	BECK, EDWARD	MCGEE	1956	65	30	24	-	-	-
DD 29	20346	MURRAY, JEROME	JOSEPH K. HEWITT	1955	120	235	4	S	229	6
DD 31	24107	A A CO ROADS COMMISSION	LEATHERBURY BROS.	1956	95	172	4	G	152	20
DD 32	-	TEUNIS, ALFRED	-	1960	120	186	3	S	171	15
DD 33	-	WATKINS, BENJAMIN 3RD	-	1959	130	29	36	-	-	-
DD 34	-	WATKINS, BENJAMIN 3RD	-	-	140	21	36	-	-	-
DD 35	-	ANNAPOLIS COMMU BIBLE CHURCH	-	1910	100	32	30	-	-	-
DD 36	41099	DAVIDSONVILLE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1960	145	344	6	S	339	5
DD 37	AA69 1066	FORSYTHE, WILLIAM	H. H. BUNKER AND SONS, INC.	1969	133	270	4	S	265	5
DD 40	AA66W 902	GARDINER, FRANCIS	COLUMBIA PUMP & WELL CO.	1966	136	306	6	S	302	4
DD 41	AA71 231	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1970	105	372	2	G	360	12
DD 42	AA71 231	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1970	105	275	4	S	190	30
DD 43	AA71 231	U S GEOLOGICAL SURVEY	EAST COAST WELL & PUMP INC.	1970	105	503	-	X	-	-
DD 44	AA71 291	ARCHER, NORMAN	H. H. BUNKER AND SONS, INC.	1970	80	320	4	S	315	5
DD 45	AA66W1112	WAYSON, A S	COLUMBIA PUMP & WELL CO.	1966	160	337	6	S	332	5
DD 46	-	WATKINS, BENJAMIN 3RD	-	-	160	45	36	W	-	-
DE 1	-	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1939	17	237	10	G	-	30
DE 2	-	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1939	14	258	18	G	-	45
DE 3	-	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1930	20	152	-	-	-	-
DE 5	-	HARBONIM CAMP	-	-	40	48	60	-	-	-
DE 8	-	KROUSE, HARRY	LEATHERBURY	1939	40	35	3	-	-	-
DE 9	-	TUCKER, HOWARD	H. H. BUNKER AND SONS, INC.	1926	35	29	6	-	-	-
DE 10	-	SHAW, FRED SR.	-	-	45	53	-	W	-	-
DE 11	-	DONALD, P A	LEATHERBURY	1943	100	85	-	-	-	-
DE 12	-	DANIELS, A J	MC KNIGHT	-	70	65	2	-	-	-
DE 13	-	NIMS, L M	LEATHERBURY	-	15	75	2	-	-	-
DE 16	-	MD STATE HWY. ADMIN.	H. H. BUNKER AND SONS, INC.	1931	85	43	6	-	-	-
DE 18	-	ANNAPOLIS DAIRY	-	1928	40	80	4	S	-	-
DE 19	-	ANNAPOLIS DAIRY	-	1929	40	160	4	S	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
AQUIA	85	3-51	-	-	6	-	1	-	H	P	Q D	DD 25
AQUIA	35	8-56	-	-	10	-	1	-	H	S	D	DD 26
AQUIA	19	7-57	25	7-57	6	7-57	1	1.0	C	J	D	DD 27
AQUIA	17M	5-56	-	-	25	-	-	-	U	N	U D	DD 28
MAGOTHY	90M	5-70	-	-	35	-	13	0.3	H	J	D	DD 29
MAGOTHY	100	9-56	-	-	15	-	5	-	-	S	D	DD 31
MATAWAN - MONMOUTH	61	-	71	-	10	-	-	1.0	H	J	Q D	DD 32
AQUIA	18M	3-60	-	-	-	-	-	-	H	-		DD 33
PLEISTOCENE	16M	6-60	-	-	-	-	-	-	H	-	Q	DD 34
AQUIA	26M	5-60	-	-	2	-	-	-	H	P		DD 35
MAGOTHY	115M	11-60	-	-	162	-	8	5.4	T	T	D E	DD 36
MAGOTHY	121M	12-69	-	-	35	-	3	1.4	H	S	D J	DD 37
MAGOTHY	113M	3-70	-	-	20	-	8	0.3	H	S	D	DD 40
MAGOTHY	81M	4-71	-	-	8	-	-	-	U	-	O E J	DD 41
MAGOTHY	82M	10-70	-	-	65	-	8	2.1	U	N	O Q E J	DD 42
-	-	-	-	-	-	-	-	-	U	N	T	DD 43
MAGOTHY	70M	10-70	-	-	75	-	3	1.1	H	S	D J	DD 44
MAGOTHY	141M	5-71	-	-	20	-	8	0.5	H	S	D J	DD 45
AQUIA	38M	4-71	-	-	-	-	-	-	-	B		DD 46
MAGOTHY	F	2-43	181	2-43	400	2-43	-	5.3	U	T	O J	DE 1
MAGOTHY	F	2-43	181	2-43	700	2-43	-	10.0	P	T	J	DE 2
MAGOTHY	FM	2-43	-	-	-	-	-	-	U	N	Z Q D	DE 3
AQUIA	42M	6-46	-	-	-	-	-	-	P	P		DE 5
AQUIA	22M	6-46	-	-	-	-	-	-	H	P		DE 8
AQUIA	22M	6-46	-	-	-	-	-	-	H	P		DE 9
AQUIA	42M	6-46	-	-	-	-	-	-	U	-	U	DE 10
AQUIA	-	-	-	-	-	-	-	-	H	P	Q	DE 11
AQUIA	40	-	-	-	-	-	-	-	H	P	Q	DE 12
AQUIA	-	-	-	-	-	-	-	-	H	-		DE 13
AQUIA	-	-	-	-	4	-	-	-	-	P		DE 16
AQUIA	-	-	-	-	-	-	-	-	U	N	Z	DE 18
MATAWAN - MONMOUTH	-	-	-	-	15	-	-	-	U	N	Z	DE 19

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DE 20	-	VICKERS, W M	-	-	35	31	2	-	-	-
DE 26	-	VANOUS, WM. J	-	-	52	55	48	W	-	-
DE 27	-	SYLVAN SHORES SERVICES CO	LEATHERBURY	1931	2	55	6	O	-	-
DE 28	-	SYLVAN SHORES SERVICES CO	LEATHERBURY	1931	2	55	6	O	-	-
DE 29	-	SYLVAN SHORES SERVICES CO	LEATHERBURY	1931	2	55	6	O	-	-
DE 30	-	SYLVAN SHORES SERVICES CO	HALLECK	1930	2	55	6	O	-	-
DE 31	-	SYLVAN SHORES SERVICES CO	LEATHERBURY	1931	2	55	6	O	-	-
DE 32	-	SYLVAN SHORES SERVICES	LEATHERBURY	1931	2	55	-	O	-	-
DE 33	-	ADAMS, JAMES M	PHIPPS	1935	30	90	3	S	-	-
DE 34	-	FLEET, A GORDON	H. H. BUNKER AND SONS, INC.	1941	32	60	3	S	-	-
DE 35	-	MEEKS,GEORGE C	PHIPPS	1937	10	81	2	-	-	-
DE 38	-	SOUTH DOWN SHORES INC	C. C. PURNER WELL DRILLING CO. INC.	-	7	100	4	-	-	-
DE 39	-	ARUNDEL GAS CO.	LEATHERBURY	1945	30	50	3	S	38	12
DE 42	-	SEMPLE, J B JR	H. H. BUNKER AND SONS, INC.	1941	14	230	6	S	-	10
DE 43	-	ADDISON, PEARL	-	-	40	48	36	W	-	-
DE 44	1627	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1947	20	793	4	-	-	-
DE 45	1627	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1947	28	242	20	S	192	52
DE 46	1628	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1947	24	248	20	-	199	49
DE 47	-	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1931	20	258	14	G	143	53
DE 48	8928	SIDMOUR CON-STRUCTION CO	T. LEATHERBURY	1951	38	73	3	-	-	-
DE 59	24247	OAK GROVE BEACH INC	H. H. BUNKER AND SONS, INC.	1956	10	57	4	S	52	5
DE 60	-	TASTEE FREEZE	C. C. PURNER WELL DRILLING CO. INC.	-	25	80	4	S	65	5
DE 61	19374	LONDON TOWN PUBLIK HOUSE	C. C. PURNER WELL DRILLING CO. INC.	1955	20	75	4	S	64	12
DE 62	-	LONDON TOWN PUBLIK HOUSE	-	-	30	65	4	-	-	-
DE 63	30598	ZANG & SON BUILDERS	C. C. PURNER WELL DRILLING CO. INC.	1958	35	42	2	-	30	-
DE 64	21718	ROSE, MORRIS	LEATHERBURY	1956	30	55	4	S	40	15
DE 65	15349	SPRINGFIELD, G. E.	C. C. PURNER WELL DRILLING CO. INC.	1954	30	55	2	-	40	-
DE 66	20808	GREEN SPRING DAIRY	M. J. WILMER	1955	35	81	4	-	68	-
DE 67	-	GREEN SPRING DAIRY	-	-	30	75	4	-	-	-
DE 68	30856	SOUTH DOWN SHORES, INC	H. H. BUNKER AND SONS, INC.	1958	30	60	6	-	-	-
DE 69	22000	SYLVAN SHORES SERVICES CO	H. H. BUNKER AND SONS, INC.	1956	65	325	6	S	312	12
DE 71	33574	MEYER, WILLIAM J.	C. C. PURNER WELL DRILLING CO. INC.	1959	15	76	2	-	54	-
DE 73	7959	CAMP ROYAL	H. H. BUNKER AND SONS, INC.	1951	20	60	4	S	55	5

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	25M	6-46	-	-	-	-	-	-	H	P	Q	DE 20
AQUIA	93M	6-46	-	-	-	-	-	-	H	P		DE 26
AQUIA	-	-	-	-	-	-	-	-	U	P	U	DE 27
AQUIA	1M	6-46	-	-	-	-	-	-	U	P	U	DE 28
AQUIA	-	-	-	-	-	-	-	-	U	P	U	DE 29
AQUIA	-	-	-	-	-	-	-	-	U	N	U	DE 30
AQUIA	-	-	-	-	-	-	-	-	U	P	U	DE 31
AQUIA	-	-	-	-	-	-	-	-	U	P	U	DE 32
AQUIA	18	-	-	-	-	-	-	-	C	P		DE 33
AQUIA	35M	12-60	-	-	-	-	-	-	H	-	Q	DE 34
AQUIA	10	-	-	-	-	-	-	-	H	P	Q	DE 35
AQUIA	3	-	-	-	-	-	-	-	U	J	Z	DE 38
AQUIA	18	-	-	-	-	-	-	-	C	-		DE 39
MAGOTHY	F	-	-	-	22	-	-	-	-	T	Q	DE 42
AQUIA	43M	3-47	-	-	-	-	-	-	H	P		DE 43
-	-	-	-	-	-	-	-	-	U	N	T D	DE 44
MAGOTHY	8	8-47	110	8-47	1000	8-47	48	9.8	P	T	D J	DE 45
MAGOTHY	12	7-47	110	7-47	1000	7-47	24	10.2	P	T	D	DE 46
MAGOTHY	F	7-31	110	7-31	947	7-31	-	23.1	U	N	Z Q D	DE 47
AQUIA	32M	11-51	-	-	-	-	-	-	H	P		DE 48
AQUIA	22	8-56	-	-	12	-	1	-	C	P	D	DE 59
AQUIA	22	5-59	30	5-59	8	5-59	6	1.0	C	J	D	DE 60
AQUIA	35	5-55	48	5-55	10	5-55	2	0.8	T	J	D	DE 61
AQUIA	-	-	-	-	-	-	-	-	U	P	U	DE 62
AQUIA	2	5-58	12	5-58	5	5-58	2	0.5	-	-	D	DE 63
AQUIA	7	4-56	16	4-56	10	4-56	4	1.1	H	J	Q D	DE 64
AQUIA	10M	9-59	-	-	5	-	2	0.8	H	-	D	DE 65
AQUIA	29	9-55	36	9-55	12	9-55	6	1.7	C	J	D	DE 66
AQUIA	-	-	-	-	-	-	-	-	C	S		DE 67
AQUIA	20	5-58	40	5-58	25	5-58	3	1.3	P	J	D	DE 68
MAGOTHY	42	4-56	110	4-56	240	4-56	24	3.5	P	T	Q D	DE 69
AQUIA	10M	9-59	-	-	8	-	6	1.3	H	-	D	DE 71
-	35	5-51	-	-	15	-	3	-	P	J	D	DE 73

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DE 74	34055	GEARY, WILLIAM L.	C. C. PURNER WELL DRILLING CO. INC.	1959	20	74	4	S	63	-
DE 75	30705	WILSON & BALDWIN, FRANK	SHANNAHAN ARTESIAN WELL CO.	1958	67	220	4	S	215	5
DE 76	10106	A A GIRL SCOUT COUNCIL, INC	LAYNE-ATLANTIC CO.	1952	40	282	6	S	277	5
DE 78	14657	WOODLAND BEACH COMMU CHURCH	R. M. LEATHERBURY	1954	45	105	2	-	-	-
DE 79	14658	WOODLAND BEACH COMMU CHURCH	LEATHERBURY	1954	45	105	2	-	-	-
DE 85	19108	MAHLSTEDT, J W	C. C. PURNER WELL DRILLING CO. INC.	1955	15	70	2	-	63	-
DE 87	16782	COACH-N-FOUR RESTAURANT	LEATHERBURY	1954	70	80	4	-	55	-
DE 88	17076	ANNAPOLIS, CITY OF	SHANNAHAN ARTESIAN WELL CO.	1955	120	345	20	S	287	58
DE 89	36157	INTERNATIONAL ELECTRONICS	T. LEATHERBURY	1959	130	125	3	S	105	20
DE 90	10206	EDGEWATER ELEM SCHOOL	LAYNE-ATLANTIC CO.	1952	23	90	6	S	75	15
DE 91	41125	FRED'S DRIVE-IN RESTAURANT	LAYNE-ATLANTIC CO.	1960	70	229	4	S	224	5
DE 92	AA65W 821	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1965	130	1054	6	S	460	-
DE 93	AA66W1494	ANNAPOLIS CONCRETE CO	CHAS. TRIFILLIS	1966	85	440	6	S	420	20
DE 94	AA65W 822	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1965	130	1040	12	S	906	80
DE 95	AA68W 175	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1967	95	480	6	S	465	15
DE 96	AA68W 188	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1967	65	492	12	S	447	45
DE 97	AA68W 189	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1967	90	495	12	S	445	50
DE 98	AA66W 995	MURRAY, JEROME S.	HAROLD GREER	1966	12	353	4	S	348	5
DE 99	AA69 87	U S GEOLOGICAL SURVEY	IDEAL WELL DRILLERS INC.	1968	41	106	2	G	96	10
DE 100	-	U S GEOLOGICAL SURVEY	IDEAL WELL DRILLERS INC.	1968	41	350	2	G	340	10
DE 101	AA69 332	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1968	50	450	2	G	410	40
DE 102	AA69 332	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1968	50	96	2	S	70	26
DE 103	AA69 332	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1968	50	338	2	G	298	40
DE 104	AA69 332	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1968	50	460	6	-	313	-
DE 105	AA69 332	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1968	50	83	6	S	63	20
DE 106	AA70 1	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1969	41	283	9	X	-	-
DE 107	AA70 1	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1969	41	283	4	G	256	27
DE 108	-	ANNAPOLIS, CITY OF	LAYNE-ATLANTIC CO.	1930	17	244	14	G	130	52
DE 109	16803	ANNAPOLIS, CITY OF	SHANNAHAN ARTESIAN WELL CO.	1954	120	400	-	X	-	-
DE 110	AA65W1015	AERONAUTICAL RADIO INC	H. H. BUNKER AND SONS, INC.	1965	70	115	6	S	103	12
DE 111	AA66W 105	AERONAUTICAL RADIO INC	H. H. BUNKER AND SONS, INC.	1965	70	102	6	S	89	13
DE 112	AA70 712	A A CO BOARD OF EDUCATION	LAYNE-ATLANTIC CO.	1970	65	380	6	S	338	20
DE 113	AA70 680	MD STATE HWY. ADMIN.	SHANNAHAN ARTESIAN WELL CO.	1970	90	332	4	S	299	10

FINISH CODES

G GR PK&SCREEN
S SCREEN
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
-	38M	9-59		-	-	-	-	-	H	J	D	DE 74
MAGOTHY	51M	5-61	-	-	15	-	4	0.4	H	S	D	DE 75
MAGOTHY	45	9-52	56	9-52	75	9-52	3	6.8	P	J	D	DE 76
AQUIA	17	5-54	29	5-54	9	5-54	3	0.8	H	-	D	DE 78
AQUIA	12	5-54	20	5-54	12	5-54	3	1.5	H	-	D	DE 79
AQUIA	19	6-55	24	6-55	5	6-55	2	1.0	H	-	D	DE 85
AQUIA	35	12-54	48	12-54	20	12-54	12	1.5	C	J	D	DE 87
MAGOTHY	120	3-55	145	3-55	600	3-55	24	24.0	P	T	Q D J	DE 88
-	72	11-59	-	-	6	-	-	-	N	P	Q D	DE 89
AQUIA	14	5-52	29	5-52	60	5-52	3	4.0	T	T	Q D	DE 90
MAGOTHY	63M	11-60	-	-	35	-	5	0.4	C	S	D E	DE 91
PATAPSCO	101	3-65	118	3-65	203	3-65	48	11.9	U	N	T D E J	DE 92
PATAPSCO	76	6-66	110	6-66	120	6-66	1	3.5	N	S	D E	DE 93
PATAPSCO	97	8-65	162	8-65	1100	8-65	48	16.9	P	T		DE 94
PATAPSCO	68	8-67	91	8-67	267	8-67	8	11.6	U	N	O D J	DE 95
PATAPSCO	65	9-67	122	9-67	1001	9-67	30	17.6	P	T	D E	DE 96
PATAPSCO	84	10-67	150	10-67	1001	10-67	30	15.2	P	T	D E	DE 97
MAGOTHY	3	3-66	10	3-66	50	3-66	4	7.1	U	N	Z D	DE 98
AQUIA	19M	9-70	-	-	-	-	-	-	U	N	O	DE 99
MAGOTHY	-	-	-	-	-	-	-	-	U	N	O D E J	DE 100
MAGOTHY	35M	3-71	-	-	15	-	-	-	U	N	O E J D	DE 101
AQUIA	40M	3-71	-	-	-	-	-	-	U	N	O	DE 102
MAGOTHY	34M	3-71	-	-	-	-	-	-	U	N	O	DE 103
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T Q D +	DE 104
AQUIA	39M	11-68	-	-	23	-	2	1.4	U	N	T Q	DE 105
MAGOTHY	-	-	-	-	-	-	-	-	U	N	Z	DE 106
MAGOTHY	35M	9-70	-	-	-	-	-	-	U	N	O D	DE 107
MAGOTHY	F	12-30	55	12-30	947	12-30	-	19.7	U	N	Z D	DE 108
-	120	10-54	-	-	-	-	-	-	U	N	T D	DE 109
MATAWAN - MONMOUTH	24	4-65	70	4-65	30	4-65	2	0.7	C	S	D	DE 110
-	20	8-65	50	8-65	20	8-65	2	0.7	C	S	D	DE 111
MAGOTHY	54	5-70	145	5-70	120	5-70	8	1.3	U	N	T D E J	DE 112
MAGOTHY	86M	6-70	-	-	13	-	10	2.2	H	S	D E J	DE 113

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DE 114	AA71 449	PIERA, M	EAST COAST WELL & PUMP INC.	1970	45	235	4	G	232	-
DE 115	AA71 478	CENTRAL AVENUE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1971	40	290	12	G	270	20
DE 116	-	MD WATER RE-SOURCES ADMN	MARYLAND WATER RESOURCES ADMIN.	1971	42	25	-	X	-	-
DE 117	AA71 449	PIERA, MICHAEL	EAST COAST WELL & PUMP INC.	1971	40	84	4	G	-	10
DE 118	-	SOUTH DOWN SHORES INC.	-	1956	10	22	36	O	-	-
DE 119	48199	SOUTH DOWN SHORES INC	H. H. BUNKER AND SONS, INC.	1962	5	52	6	S	42	10
DE 120	AA66W 21	SOUTH DOWN SHORES INC	H. H. BUNKER AND SONS, INC.	1965	30	53	6	S	45	8
DE 121	AA66W 468	SOUTH DOWN SHORES INC	H. H. BUNKER AND SONS, INC.	1965	35	83	6	S	63	20
DE 122	AA73 1868	SYLVAN SHORES SERVICES CO	H. H. BUNKER AND SONS, INC.	1973	60	324	6	G	314	10
DE 123	AA70 617	GREEN, MR.	FREEMAN DRILLING CO.	1970	65	46	24	O	46	-
DF 1	-	U S NAVAL ACADEMY	P. H. & J. CONLON	1902	10	587	8	-	582	-
DF 2	-	U S NAVAL ACADEMY	SHANNAHAN ARTESIAN WELL CO.	1904	10	601	12	S	587	14
DF 3	-	U S NAVAL ACADEMY	-	1910	13	602	12	S	-	-
DF 4	-	U S NAVAL ACADEMY	SHANNAHAN ARTESIAN WELL CO.	1912	10	603	12	S	597	6
DF 5	-	U S NAVAL ACADEMY	-	-	10	588	10	S	551	36
DF 6	-	U S NAVAL ACADEMY	-	1918	10	601	8	S	569	32
DF 7	-	U S NAVAL ACADEMY	-	1925	10	586	8	S	552	34
DF 8	-	U S NAVAL ACADEMY	-	1925	10	588	8	S	-	42
DF 9	-	U S NAVAL ACADEMY	-	1933	9	306	12	S	224	61
DF 10	-	U S NAVAL ACADEMY	H. H. BUNKER AND SONS, INC.	1933	9	350	6	-	-	-
DF 11	-	U S NAVAL ACADEMY	-	1936	10	564	12	S	510	46
DF 12	-	U S NAVAL ACADEMY	LAYNE-ATLANTIC CO.	1939	-	593	18	G	526	67
DF 13	-	U S NAVAL ACADEMY	LAYNE-ATLANTIC CO.	1944	14	588	18	G	518	70
DF 14	-	U S NAVY RIFLE RANGE	-	1920	80	578	8	-	-	-
DF 15	-	U S NAVAL SHIP R & D CENTER	H. H. BUNKER AND SONS, INC.	1932	8	210	6	S	-	10
DF 16	-	U S NAVAL SHIP R & D CENTER	LAYNE-ATLANTIC CO.	1944	8	583	12	G	513	70
DF 17	-	U S NAVY RADIO TRANSMITTER	-	-	23	600	3	-	-	-
DF 18	-	U S NAVY RADIO TRANSMITTER	-	-	15	587	6	-	-	-
DF 19	-	U S NAVY RADIO TRANSMITTER	WASHINGTON PUMP AND WELL CO.	1931	13	590	10	G	565	-
DF 20	-	U S NAVY RADIO TRANSMITTER	WASHINGTON PUMP AND WELL CO.	1933	22	255	10	S	233	20
DF 23	-	LABROT, SYLVESTER	-	-	15	500	3	-	-	-
DF 24	-	LABROT, SYLVESTER	-	-	15	21	36	W	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
MAGOTHY	-	-	-	-	-	-	-	-	H	-	J	DE 114
MAGOTHY	26	1-71	129	1-71	150	1-71	8	1.5	T	T	D E J	DE 115
-	-	-	-	-	-	-	-	-	U	N	T J	DE 116
AQUIA	40	-	60	-	18	-	4	0.9	H	S	D	DE 117
AQUIA	6M	7-74	-	-	-	-	-	-	U	-	U	DE 118
AQUIA	34	9-62	45	9-62	15	9-62	1	1.4	P	J	D	DE 119
AQUIA	2	7-65	24	7-65	15	7-65	5	0.7	P	S	D	DE 120
AQUIA	23	10-65	48	10-65	20	10-65	3	0.8	P	T	D	DE 121
MAGOTHY	47	10-73	130	10-73	70	10-73	20	0.8	P	S	D	DE 122
AQUIA	28	4-70	32	4-70	8	4-70	1	2.0	H	S	D	DE 123
PATAPSCO	-	-	-	-	250	-	-	-	U	N	U D	DF 1
PATAPSCO	-	-	-	-	50	-	-	-	U	N	U D	DF 2
PATAPSCO	-	-	-	-	478	-	-	-	U	N	U D	DF 3
PATAPSCO	-	-	-	-	300	-	48	-	U	N	U D	DF 4
PATAPSCO	0	9-18	62	9-18	748	9-18	-	12.1	U	N	U	DF 5
PATAPSCO	5	8-18	90	8-18	374	8-18	-	4.4	U	N	U	DF 6
PATAPSCO	1	3-25	49	3-25	501	3-25	-	10.4	U	N	U D	DF 7
PATAPSCO	2	6-25	45	6-25	499	6-25	-	11.6	U	N	U D	DF 8
MAGOTHY	8	-	90	-	235	-	-	2.9	U	T	U Q D	DF 9
MAGOTHY	F	-	-	-	-	-	-	-	U	N	T D	DF 10
PATAPSCO	-	-	-	-	-	-	-	-	U	N	U D	DF 11
PATAPSCO	2	1-39	107	1-39	1510	1-39	-	14.4	T	T	Q J	DF 12
PATAPSCO	-	-	107	-	1280	-	-	13.5	T	T	Q D	DF 13
PATAPSCO	68M	1-46	-	-	20	-	-	-	U	N	U	DF 14
MAGOTHY	F	-	-	-	170	-	-	-	-	N	Q	DF 15
PATAPSCO	F	9-44	107	9-44	620	9-44	-	14.1	-	T	Q D	DF 16
PATAPSCO	14M	2-46	-	-	-	-	-	-	U	N		DF 17
PATAPSCO	3M	2-46	-	-	-	-	-	-	U	N	U J	DF 18
PATAPSCO	14M	5-69	-	-	79	-	-	-	U	N	U D	DF 19
MAGOTHY	20M	5-69	-	-	28	-	-	0.2	U	N	O D J	DF 20
PATAPSCO	15M	4-46	-	-	-	-	-	-	U	N	U	DF 23
-	18M	4-46	-	-	-	-	-	-	H	P		DF 24

WATER USE CODES

H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DF 25	-	SEVERN RESTAURANT	H. H. BUNKER AND SONS, INC.	1938	5	48	4	-	-	-
DF 29	287	SNADOR, MR.	LEATHERBURY	1946	55	70	4	S	50	-
DF 30	359	MACK, C J	H. H. BUNKER AND SONS, INC.	1946	25	94	4	S	87	5
DF 31	357	PAULSON, E H	H. H. BUNKER AND SONS, INC.	1946	20	70	2	-	50	-
DF 32	358	GATES,DR. HERBERT	H. H. BUNKER AND SONS, INC.	1946	20	65	2	-	48	-
DF 33	361	HANE, GEORGE	H. H. BUNKER AND SONS, INC.	1946	20	100	2	-	73	-
DF 34	360	DIXON, MR.	H. H. BUNKER AND SONS, INC.	1946	15	100	2	-	72	-
DF 35	362	KINGSBURY, K W	H. H. BUNKER AND SONS, INC.	1946	20	100	2	-	68	-
DF 36	401	WITT, MR.	H. H. BUNKER AND SONS, INC.	1946	30	75	2	-	48	-
DF 37	397	TRULLINGER, ROBERT	H. H. BUNKER AND SONS, INC.	1946	25	100	3	-	77	-
DF 38	-	TOWBES, LOUIS H	H. H. BUNKER AND SONS, INC.	1946	15	95	4	-	73	-
DF 39	399	BURKA, I S	H. H. BUNKER AND SONS, INC.	1946	15	90	4	-	75	-
DF 40	-	MURRAY, DR.J.L.B.	H. H. BUNKER AND SONS, INC.	1946	10	73	2	-	52	-
DF 41	-	BRAUN PACKING CO.	-	1908	10	218	6	-	-	-
DF 42	-	CHESAPEAKE SEA FOOD	STAR DRILLING CO.	-	5	285	2	-	-	-
DF 43	-	NEWMYER, A G	GEORGE TURNER	1943	5	52	2	-	-	-
DF 47	-	A A CO S.P.C.A. SHELTER	H. H. BUNKER AND SONS, INC.	1936	25	-	-	-	-	-
DF 48	-	A A CO S.P.C.A. SHELTER	H. H. BUNKER AND SONS, INC.	1946	15	57	2	-	-	-
DF 50	-	SMITH, MRS. MARTIN	-	-	38	48	6	-	-	-
DF 51	-	ANNAPOLIS ROADS CLUB	COLUMBIA PUMP & WELL CO.	-	40	725	8	S	-	-
DF 52	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	-	20	110	3	S	-	-
DF 53	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	-	20	100	3	S	-	-
DF 54	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	-	20	60	3	S	-	-
DF 55	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	-	20	70	3	S	-	-
DF 56	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	1930	20	90	3	-	-	-
DF 57	-	ANNAPOLIS ROADS CLUB	H. H. BUNKER AND SONS, INC.	1930	20	100	3	-	-	-
DF 58	-	A A COUNTY	H. H. BUNKER AND SONS, INC.	1940	20	207	6	S	-	10
DF 59	2262	U S NAVAL SHIP R & D CENTER	AMERICAN DRILLING CO.	1947	36	1000	9	X	-	-
DF 60	2313	U S NAVAL SHIP R & D CENTER	AMERICAN DRILLING CO.	1948	32	628	-	-	-	-
DF 62	-	ROMADNIK, CHARLES H	-	1951	28	40	4	-	-	-
DF 64	2313	U S NAVAL SHIP R & D CENTER	AMERICAN DRILLING CO.	1948	32	402	12	G	350	52
DF 65	10550	U S NAVAL SHIP R & D CENTER	LAYNE-ATLANTIC CO.	1952	52	590	18	S	535	50
DF 68	8081	SPARROW, MRS. FLORENCE	C. C. PURNER WELL DRILLING CO. INC.	1951	5	55	6	-	-	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
AQUIA	-	-	-	-	-	-	-	-	C	P		DF 25
AQUIA	30	4-46	38	4-46	8	4-46	8	1.0	C	-	D	DF 29
AQUIA	36	4-46	-	-	5	-	-	-	H	-	D	DF 30
AQUIA	6	4-46	-	-	4	-	-	-	H	-	D	DF 31
AQUIA	6	4-46	-	-	4	-	-	-	H	-	D	DF 32
AQUIA	12	4-46	-	-	4	-	-	-	H	-	D	DF 33
AQUIA	12	9-46	-	-	4	-	-	-	H	-	D	DF 34
AQUIA	18	4-46	-	-	4	-	-	-	H	-	D	DF 35
AQUIA	20	4-46	-	-	4	-	-	-	H	-	D	DF 36
AQUIA	24	4-46	-	-	4	-	-	-	H	-	D	DF 37
AQUIA	25	4-46	-	-	12	-	-	-	H	-	D	DF 38
AQUIA	24	4-46	-	-	12	-	-	-	H	-	D	DF 39
AQUIA	5	4-46	-	-	4	-	-	-	H	-	D	DF 40
MAGOTHY	F	-	-	-	50	-	-	-	U	N		DF 41
MAGOTHY	20	-	-	-	-	-	-	-	U	N		DF 42
AQUIA	2M	6-46	-	-	-	-	-	-	I	-		DF 43
-	-	-	-	-	-	-	-	-	S	P		DF 47
AQUIA	6M	6-46	-	-	-	-	-	-	S	-		DF 48
AQUIA	29M	6-46	-	-	-	-	-	-	U	-		DF 50
PATAPSCO	-	-	-	-	-	-	-	-	U	P	U	DF 51
AQUIA	-	-	-	-	-	-	-	-	C	-		DF 52
AQUIA	-	-	-	-	-	-	-	-	C	-		DF 53
AQUIA	-	-	-	-	-	-	-	-	C	-		DF 54
AQUIA	-	-	-	-	-	-	-	-	C	-		DF 55
AQUIA	-	-	-	-	-	-	-	-	U	N	U	DF 56
AQUIA	-	-	-	-	-	-	-	-	U	N	U	DF 57
MAGOTHY	19	-	-	-	100	-	-	-	U	T	Z	DF 58
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	DF 59
PATAPSCO	-	-	-	-	-	-	-	-	U	N	T D	DF 60
AQUIA	32M	10-51	-	-	3	-	-	-	H	J		DF 62
MAGOTHY	32M	4-69	-	-	500	-	-	-	-	T	Q	DF 64
PATAPSCO	61M	4-69	-	-	650	-	24	11.8	-	T	Q D J	DF 65
AQUIA	10	8-51	30	8-51	40	8-51	24	2.0	C	T	D	DF 68

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
S STOCK
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
DF 72	32760	JONES, RICHARD F.	C. C. PURNER WELL DRILLING CO. INC.	1958	40	105	4	O	-	-
DF 74	28220	PANETTI, J FRANK JR.	H. H. BUNKER AND SONS, INC.	1957	25	47	4	S	42	5
DF 76	34046	GAZAWAY, PRESTON	T. LEATHERBURY	1959	10	100	2	-	-	-
DF 79	37867	U S NAVAL ACADEMY	LAYNE-ATLANTIC CO.	1960	5	705	6	S	300	-
DF 80	40906	U S NAVAL ACADEMY	LAYNE-ATLANTIC CO.	1960	5	698	12	S	568	55
DF 81	54278	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1964	88	285	6	S	275	10
DF 82	54277	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1964	88	371	8	S	346	20
DF 83	AA69 494	U S NAVAL ACADEMY	LAYNE-ATLANTIC CO.	1969	65	705	12	S	532	85
DF 84	AA69 676	U S COAST GUARD	CHAS. TRIFILLIS	1969	7	306	6	S	296	10
DF 85	-	U S NAVY RADIO TRANSMITTER	-	-	-	24	48	W	-	-
DF 86	AA70 141	U S COAST GUARD	H. H. BUNKER AND SONS, INC.	1969	6	49	4	S	44	5
DF 87	AA65W 176	U S NAVY RADIO TRANSMITTER	LAYNE-ATLANTIC CO.	1964	15	225	6	S	215	10
DF 88	AA70 134	MD HISTORICAL TRUST	H. H. BUNKER AND SONS, INC.	1969	15	53	4	S	48	5
DF 89	AA70 806	U S NAVAL ACAD GOLF ASSOC	LAYNE-ATLANTIC CO.	1970	15	535	16	S	505	30
DF 90	AA71 80	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1970	5	510	6	S	400	40
DF 91	-	U S NAVY RADIO TRANSMITTER	-	-	5	-	-	-	-	-
DF 92	AA71 80	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1970	5	440	6	G	400	40
DF 93	2263	U S NAVAL SHIP R & D CENTER	AMERICAN DRILLING CO.	1947	47	620	-	S	-	10
DF 94	AA65W 22	BAY RIDGE BEACH INC.	LAYNE-ATLANTIC CO.	1964	10	80	6	S	75	5
DF 95	-	BAY RIDGE BEACH INC.	-	1968	10	60	6	-	-	-
DF 96	AA71 898	BAY RIDGE BEACH INC.	LAYNE-ATLANTIC CO.	1971	15	113	6	G	108	5
DF 97	AA67W 619	HILLSMERE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1966	25	375	6	S	324	10
EC 2	-	SCHAFFER, WM E JR.	T. LEATHERBURY	-	65	95	4	-	-	-
EC 3	-	-	-	-	70	14	36	-	-	-
EC 4	-	-	-	-	85	25	48	-	-	-
EC 5	AA67W 498	STEINBERG, OLIVER	EAST COAST WELL & PUMP INC.	1966	60	-	-	-	-	-
EC 6	AA70 726	MARYLAND MANOR HOMES	R. M. LEATHERBURY	1970	50	295	4	S	275	20
EC 7	AA70 727	MARYLAND MANOR HOMES	R. M. LEATHERBURY	1970	55	300	4	S	280	20
EC 8	AA70 728	MARYLAND MANOR HOMES	R. M. LEATHERBURY	1970	55	305	4	S	285	20
EC 9	AA65W1343	MARYLAND MANOR HOMES	R. M. LEATHERBURY	1965	55	84	2	S	63	21
ED 1	-	PUILES, J C	-	-	120	66	48	W	-	-
ED 2	-	GRYMES, MR.	-	-	160	47	48	W	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	38M	5-60	-	-	8	-	2	1.6	H	-	D	DF 72
AQUIA	23M	9-59	-	-	15	-	1	3.0	H	J	D	DF 74
AQUIA	17M	9-59	-	-	10	-	4	0.9	H	-	D	DF 76
PATAPSCO	7M	6-69	-	-	-	-	-	-	U	N	O Q D +	DF 79
PATAPSCO	7M	12-60	-	-	1548	-	12	10.7	T	T	J	DF 80
MAGOTHY	83	5-64	126	5-64	125	5-64	8	2.9	U	-	U Q D	DF 81
MAGOTHY	95	1-64	160	1-64	200	1-64	12	3.1	U	-	O D E	DF 82
PATAPSCO	72	3-69	134	3-69	1200	3-69	24	19.4	P	T	D E J	DF 83
MAGOTHY	13	4-69	-	-	-	-	-	-	U	N	O Q E J	DF 84
PLEISTOCENE	20M	5-69	-	-	-	-	-	-	U	N	U	DF 85
AQUIA	3M	2-70	-	-	20	-	1	1.3	T	J	D	DF 86
MAGOTHY	14	8-64	42	8-64	117	8-64	8	4.2	I	S	D	DF 87
AQUIA	2	9-69	25	9-69	15	9-69	2	0.7	I	S	D	DF 88
PATAPSCO	20	6-70	85	6-70	305	6-70	12	4.7	I	T	D E J	DF 89
MAGOTHY	-	-	-	-	-	-	-	-	U	N	T D E J	DF 90
-	-	-	-	-	-	-	-	-	U	-	U Q	DF 91
MAGOTHY	+5M	9-70	-	-	123	-	8	9.5	U	S	T Q	DF 92
PATAPSCO	40	10-47	60	10-47	20	10-47	24	1.0	U	N	T D	DF 93
AQUIA	5	6-64	40	6-64	50	6-64	4	1.4	U	-	U D	DF 94
AQUIA	-	-	-	-	-	-	-	-	C	S		DF 95
AQUIA	21	6-71	65	6-71	50	6-71	4	1.1	C	S	D	DF 96
MAGOTHY	19	12-66	90	12-66	160	12-66	8	2.3	U	N	T D	DF 97
AQUIA	-	-	-	-	4	-	-	-	H	J	Q	EC 2
PLEISTOCENE	10M	11-60	-	-	-	-	-	-	U	P	U	EC 3
PLEISTOCENE	23M	11-60	-	-	-	-	-	-	H	P		EC 4
MAGOTHY	34M	3-70	-	-	-	-	-	-	H	S		EC 5
MAGOTHY	140	6-70	155	6-70	55	6-70	5	3.7	P	S	D	EC 6
MAGOTHY	140	6-70	150	6-70	65	6-70	4	6.5	P	S	D	EC 7
MAGOTHY	120	6-70	140	6-70	60	6-70	5	3.0	P	S	D	EC 8
AQUIA	50	7-65	53	7-65	5	7-65	2	1.7	U	-	Z D	EC 9
AQUIA	23M	6-46	-	-	-	-	-	-	U	P	U	ED 1
-	35M	6-46	-	-	-	-	-	-	H	P		ED 2

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
ED 8	-	LANKFORD, FLOYD	LEATHERBURY	1945	125	265	2	S	-	-
ED 10	-	GIDDINGS, DR. J C	-	-	185	169	2	-	-	-
ED 12	-	SOUTH CO FAMILY HEALTH CENT	LEATHERBURY	1932	160	325	6	-	-	-
ED 13	-	CHRIST CHURCH RECTORY	LEATHERBURY	1940	160	350	2	-	-	-
ED 14	-	MORELAND, THOMAS	-	-	140	62	36	W	-	-
ED 15	-	COLLINSON, T. CLYDE	LEATHERBURY	1946	140	274	2	S	-	40
ED 16	2326	GARDINER, FRANCIS	T. LEATHERBURY	1948	150	190	2	S	-	-
ED 17	2475	COLHOUN, HARRISON	T. LEATHERBURY	1948	165	222	3	S	-	-
ED 19	5355	CLAGGETT, F M	WASHINGTON PUMP AND WELL CO.	1950	165	463	6	-	456	-
ED 21	6251	CLAGGETT, KATHERINE	WASHINGTON PUMP AND WELL CO.	1950	170	270	6	S	265	5
ED 24	16680	U S ARMY	COLUMBIA PUMP & WELL CO.	1954	140	310	8	S	302	8
ED 27	25348	COBB, JOHN H	MCGEE	1956	185	90	20	O	-	-
ED 28	35028	RICHARDS, J D	MCGEE	1959	170	70	20	O	-	-
ED 32	23379	GOTT, HERBERT	MCGEE	1956	165	30	20	O	-	-
ED 35	-	GOTT, ESTEP T	-	-	150	10	16	W	-	-
ED 36	-	OWENS, DOROTHY	-	-	145	46	-	W	-	-
ED 37	-	DRURY, PLUMMER	-	-	160	62	36	W	-	-
ED 38	-	SPICKNELL, FRANK	MCGEE	-	180	65	18	O	-	-
ED 39	AA68W 209	SOUTHERN SENIOR HIGH SCHOOL	LAYNE-ATLANTIC CO.	1967	175	480	12	S	455	25
ED 40	AA68W 606	BAKER SHEET METAL CO	COLUMBIA PUMP & WELL CO.	1968	80	126	-	S	-	8
ED 41	AA67W 286	SOUTHERN SENIOR HIGH SCHOOL	LAYNE-ATLANTIC CO.	1966	180	480	6	S	450	30
ED 42	AA66W 693	WILSON, DR. EMILY	H. J. GREER DRILLING CO.	1965	165	474	4	S	469	5
ED 43	AA67W 290	SKOLNICK, DR L	H. J. GREER DRILLING CO.	1966	145	501	4	S	496	5
ED 44	AA73 663	ROHE, LOUIS P	C. C. PURNER WELL DRILLING CO. INC.	1973	65	100	4	S	80	20
EE 1	-	LEATHERBURY, BROS.	LEATHERBURY BROS.	-	4	200	2	-	-	-
EE 2	-	LEATHERBURY, BROS.	LEATHERBURY BROS.	1939	4	150	6	-	-	-
EE 3	239	CYSINGER, A	LEATHERBURY	1946	10	110	2	X	95	-
EE 4	307	STUART, GEN. JAMES	WASHINGTON PUMP AND WELL CO.	1946	40	140	6	S	133	7
EE 6	-	FOREST, ROBERT L.	LAYNE-ATLANTIC CO.	1933	15	138	8	G	-	8
EE 7	-	HARDESTY, WINTERSON	-	-	60	30	48	W	-	-
EE 9	-	CAMP LETTS	H. H. BUNKER AND SONS, INC.	1928	10	105	4	-	-	-
EE 10	-	CAMP LETTS	H. H. BUNKER AND SONS, INC.	1934	5	72	4	-	-	-
EE 11	-	CAMP LETTS	H. H. BUNKER AND SONS, INC.	1934	3	75	4	-	-	-

FINISH CODES

G GR PK&SCREEN
O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
MATAWAN - MONMOUTH	-	-	-	-	-	-	-	-	S	P	Q	ED 8
NANJEMOY	160M	7-46	-	-	-	-	-	-	H	P		ED 10
AQUIA	144M	6-46	-	-	15	-	-	-	T	S		ED 12
AQUIA	-	-	-	-	-	-	-	-	H	P		ED 13
CALVERT	29M	7-46	-	-	-	-	-	-	U	-	U	ED 14
AQUIA	140	-	-	-	-	-	-	-	H	P	Q	ED 15
AQUIA	-	-	-	-	5	-	6	-	H	P	Q D D	ED 16
AQUIA	140	4-48	-	-	4	-	6	-	H	P	D	ED 17
MAGOTHY	155	4-50	217	4-50	45	4-50	12	0.7	H	S	D	ED 19
AQUIA	137M	10-50	-	-	6	-	8	-	H	P	D	ED 21
MAGOTHY	148	11-54	240	11-54	60	11-54	24	0.7	-	T	D	ED 24
CALVERT	24M	11-59	-	-	-	-	-	-	H	J	D	ED 27
NANJEMOY	27M	11-59	-	-	-	-	-	-	H	J	D	ED 28
CALVERT	16M	11-59	-	-	12	-	-	-	H	J	D	ED 32
-	1M	12-59	-	-	-	-	-	-	H	J		ED 35
CALVERT	32M	11-60	-	-	-	-	-	-	H	P		ED 36
CALVERT	45M	11-60	-	-	-	-	-	-	H	P		ED 37
CALVERT	24M	11-60	-	-	-	-	-	-	H	J		ED 38
MAGOTHY	144	11-67	197	11-67	150	11-67	24	2.8	T	T	D E	ED 39
AQUIA	40	1-68	115	1-68	7	1-68	4	0.1	N	S	D	ED 40
MAGOTHY	130	9-66	200	9-66	80	9-66	8	1.1	U	N	U D	ED 41
MAGOTHY	160	12-65	180	12-65	30	12-65	4	1.5	U	-	U D	ED 42
MAGOTHY	150	8-66	170	8-66	20	8-66	1	1.0	H	S	D	ED 43
AQUIA	49	3-73	65	3-73	10	3-73	2	0.6	H	S	D	ED 44
AQUIA	2	-	-	-	20	-	-	-	N	P		EE 1
AQUIA	4M	4-46	-	-	30	-	-	2.5	N	P		EE 2
AQUIA	9	2-46	14	2-46	6	2-46	-	1.2	H	-	D	EE 3
AQUIA	40	4-46	120	4-46	20	4-46	12	0.3	H	J	D	EE 4
AQUIA	13	-	-	-	210	-	-	-	U	T	U Q	EE 6
NANJEMOY	14M	6-46	-	-	-	-	-	-	H	-		EE 7
AQUIA	15	-	-	-	25	-	-	-	P	-		EE 9
AQUIA	5	-	-	-	50	-	-	-	P	-	Q	EE 10
AQUIA	3	-	-	-	50	-	-	-	P	-	Q	EE 11

WATER USE CODES

H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
S STOCK
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
Q CHEM ANALYSIS
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
EE 12	-	ROBEY, H R	C. C. PURNER WELL DRILLING CO. INC.	1931	5	104	2	-	-	-
EE 14	-	SMITH, A B	LEATHERBURY	1941	33	101	2	S	-	-
EE 15	-	MAYO ELEMENTARY SCHOOL	WASHINGTON PUMP AND WELL CO.	1939	40	107	6	S	98	9
EE 16	-	BEVERLY BEACH CLUB	LEATHERBURY	-	4	50	2	S	-	6
EE 17	-	BEVERLY BEACH CLUB	LEATHERBURY	-	4	60	2	S	-	6
EE 18	-	BEVERLY BEACH CLUB	LEATHERBURY	-	4	80	5	S	-	12
EE 19	-	BEVERLY BEACH CLUB	LEATHERBURY	-	10	103	2	S	-	6
EE 20	-	WABANNA BIBLE CONFERENCE	-	-	10	30	-	-	-	-
EE 21	-	WABANNA BIBLE CONFERENCE	WASHINGTON PUMP AND WELL CO.	1941	14	95	-	-	-	-
EE 22	-	COLHOUN, JOHN M	RUDE	-	6	329	2	-	-	-
EE 24	-	MURRAY, E. CHURCHILL	-	1894	45	34	36	W	-	-
EE 26	-	SKINNER, J B	-	-	80	99	36	W	-	-
EE 27	-	WOODFIELD FISH & OYSTER CO	LEATHERBURY	1926	5	180	2	-	-	-
EE 28	-	WOODFIELD FISH & OYSTER CO	LEATHERBURY	1936	5	180	2	-	-	-
EE 29	-	ANDREWS HOTEL	LEATHERBURY	1906	9	120	2	-	-	-
EE 30	-	ANDREWS HOTEL	LEATHERBURY	1923	9	-	2	-	-	-
EE 31	-	ANDREWS HOTEL	LEATHERBURY	1946	9	139	2	X	119	20
EE 32	-	HARTGES BOAT YARD	C. C. PURNER WELL DRILLING CO. INC.	1935	1	150	2	-	-	-
EE 33	-	ST JOHNS CHURCH	FRANK WILDE	1932	10	156	2	-	-	-
EE 34	1299	WILLIAMS, JAMES D.	LEATHERBURY	1947	10	160	3	-	-	-
EE 35	1572	MAY, ROBERT	LEATHERBURY	1947	5	160	2	X	135	-
EE 36	2492	HARDY, JOHN	LEATHERBURY	1947	5	140	2	X	103	-
EE 38	1937	OWENS, JOHN	T. LEATHERBURY	1947	105	175	2	S	147	28
EE 39	1372	CARR, NORMAN	T. LEATHERBURY	1947	15	160	2	X	118	-
EE 42	-	METHODIST CHURCH	C. C. PURNER WELL DRILLING CO. INC.	1950	9	150	2	-	-	-
EE 43	-	METHODIST CHURCH	-	-	12	125	2	-	-	-
EE 46	29751	NEUDECKER, RAYMOND	H. H. BUNKER AND SONS, INC.	1958	45	123	4	S	118	5
EE 48	-	LEE, CHARLES F	-	-	25	24	48	W	-	-
EE 49	31288	MAYO ELEMENTARY SCHOOL	LAYNE-ATLANTIC CO.	1958	45	106	6	S	101	5
EE 51	35796	BUSH, JOHN	CLARENCE PHIPPS	1859	10	84	2	T	63	21
EE 53	6227	A COMMUNITY CENTER	LEATHERBURY BROS.	1950	40	165	4	S	-	55
EE 56	36921	MAYO EPISCOPAL CHURCH	C. C. PURNER WELL DRILLING CO. INC.	1959	35	70	4	S	60	10
EE 57	13921	LULA SCOTT ELEM SCHOOL	H. H. BUNKER AND SONS, INC.	1954	8	137	6	X	97	-
EE 58	41101	CARRIE WEEDON ELEM SCHOOL	LAYNE-ATLANTIC CO.	1960	18	142	6	S	137	5

FINISH CODES

S SCREEN
T SAND POINT
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
AQUIA	-	-	-	-	-	-	-	-	H	P	Q	EE 12
AQUIA	24M	6-46	-	-	-	-	-	-	U	P	U	EE 14
AQUIA	39	-	61	-	20	-	-	0.9	U	N	Z D	EE 15
AQUIA	4	-	-	-	-	-	-	-	C	P		EE 16
AQUIA	4	-	-	-	-	-	-	-	C	P		EE 17
AQUIA	4	-	-	-	-	-	-	-	C	P		EE 18
AQUIA	10	-	-	-	-	-	-	-	H	P		EE 19
NANJEMOY	11M	7-46	-	-	-	-	-	-	P	P		EE 20
AQUIA	13M	7-46	-	-	27	-	-	0.5	U	T	U D	EE 21
MAGOTHY	+5M	5-68	-	-	15	-	-	-	U	N	O Q J	EE 22
PLEISTOCENE	24M	7-46	-	-	-	-	-	-	U	B	U	EE 24
NANJEMOY	78M	7-46	-	-	-	-	-	-	H	P		EE 26
AQUIA	10	-	-	-	-	-	-	-	U	N	Z	EE 27
AQUIA	10	-	-	-	-	-	-	-	N	-		EE 28
AQUIA	7M	7-46	-	-	-	-	-	-	U	N	U	EE 29
-	-	-	-	-	-	-	-	-	U	N	Z	EE 30
AQUIA	-	-	-	-	-	-	-	-	C	-		EE 31
AQUIA	F	-	-	-	2	-	-	-	C	P	Q	EE 32
AQUIA	5	-	-	-	-	-	-	-	H	-		EE 33
AQUIA	6M	7-48	-	-	6	-	-	1.0	-	J	D	EE 34
AQUIA	6M	7-48	-	-	6	-	-	0.5	H	P	D	EE 35
AQUIA	9M	7-48	-	-	8	-	-	1.0	H	P	D	EE 36
AQUIA	80	10-47	-	-	4	-	12	-	H	P	D	EE 38
AQUIA	9M	8-48	-	-	6	-	4	0.6	H	P	D	EE 39
AQUIA	7M	9-50	-	-	-	-	-	-	H	P		EE 42
AQUIA	10M	10-50	-	-	-	-	-	-	U	-	U	EE 43
AQUIA	37	1-58	-	-	10	-	1	-	H	P		EE 46
PLEISTOCENE	22M	9-59	-	-	-	-	-	-	U	J	U	EE 48
AQUIA	37	7-58	90	7-58	60	7-58	8	1.1	T	T	D	EE 49
AQUIA	3M	9-59	-	-	12	-	2	2.0	H	-	D	EE 51
AQUIA	37	8-50	45	8-50	20	8-50	16	2.5	H	J	D	EE 53
AQUIA	31M	5-60		-	-	-	-	-	H	-	D	EE 56
AQUIA	8	1-54	-	-	100	-	5	-	U	T	U Q D	EE 57
AQUIA	16M	12-60	-	-	128	-	-	1.5	T	T	D	EE 58

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
J GAMMA RAY LOG
O OBSERVATION
Q CHEM ANALYSIS
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
EE 59	32888	CHESAPEAKE INSTRUMENT CO	GILBERT LEATHERBURY	-	3	169	3	-	130	-
EE 60	AA70 545	SHADY SIDE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1970	10	301	6	S	189	30
EE 61	13578	WOODFIELD FISH & OYSTER CO	C. C. PURNER WELL DRILLING CO. INC.	1954	5	159	4	X	115	44
EE 62	AA71 330	SHADY SIDE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1970	9	300	12	S	185	15 15
EE 63	9590	WABANNA BIBLE CONFERENCE	C. C. PURNER WELL DRILLING CO. INC.	1952	10	84	2	X	66	-
EF 1	-	GOLDSTEIN, DR A E	ATWELL	1926	15	40	2	-	-	-
EF 2	-	RUDD, E L	-	1928	5	65	2	-	-	-
EF 3	-	MITCHELL, CLARENCE JR	-	1928	7	61	2	-	-	-
EF 5	-	STONEBRAKER, H B	-	-	20	44	48	W	-	-
EF 7	-	TRITON BEACH CLUB	LEATHERBURY	1941	5	40	2	S	-	6
EF 8	-	TRITON BEACH CLUB	LEATHERBURY	1941	5	40	2	S	-	6
EF 9	-	TRITON BEACH CLUB	LEATHERBURY	1941	5	40	2	S	-	6
EF 10	-	TRITON BEACH CLUB	LEATHERBURY	1941	5	130	8	-	-	-
EF 11	-	IDLEWILDE HOTEL	FRANK WILDE	1945	5	180	2	S	-	-
EF 12	-	IDLEWILDE DEVELOPMENT CO	LEATHERBURY	1935	10	175	2	S	-	-
EF 13	1406	COOK, R	FRANK WILDE	1947	5	225	2	-	190	-
EF 14	-	CROSBY, JAMES JR.	OWNER	1958	10	33	2	-	-	-
EF 15	41365	THOMAS POINT CO	H. H. BUNKER AND SONS, INC.	1960	10	312	4	S	307	5
EF 16	AA69 1151	WILSON, JAMES W	H. H. BUNKER AND SONS, INC.	1969	5	300	4	S	295	5
EF 4	-	STONEBRAKER, H B	-	-	10	-	-	-	-	-
FC 1	-	WAYSON, MORGAN B.	LEATHERBURY	1939	45	120	6	S	-	-
FC 3	-	WELCH, T H	-	1941	160	87	60	W	-	-
FC 4	-	KRAUSS, FRANK C	C. C. PURNER WELL DRILLING CO. INC.	1940	3	327	2	X	200	-
FC 5	-	CROSBY, J W	-	1932	90	36	48	W	-	-
FC 6	1571	SHEPHARD, ASHBY LEE	T. LEATHERBURY	1947	48	105	3	S	-	30
FC 7	2375	HUNTER, WALTER & HELEN	T. LEATHERBURY	1948	30	125	4	S	-	-
FC 8	3969	AMERICAN WAREHOUSE TOBACC	T. LEATHERBURY	1949	45	110	3	S	82	28
FC 9	-	WAYSON, MORGAN B.	-	1949	48	120	4	-	-	-
FC 10	17052	HOLMES, ELIZABETH	T. LEATHERBURY	1954	80	155	3	-	-	-
FC 11	13010	DANIELS, J C, MOBIL GAS ST	T. LEATHERBURY	1953	65	126	3	S	-	25
FC 12	14684	BRISTOL ELEMENTARY SCHOOL	H. H. BUNKER AND SONS, INC.	1954	85	377	6	S	369	8
FC 13	-	SOLLERS METHOD. EPISC.CHURCH	-	-	85	19	48	-	-	-

FINISH CODES

S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	6	12-58	15	12-58	10	12-58	16	1.1	C	J	D	EE 59
AQUIA	9	3-70	80	3-70	271	3-70	8	3.8	U	N	T D E J	EE 60
AQUIA	12	9-54	35	9-54	100	9-54	12	4.3	N	T	D	EE 61
AQUIA	12	11-70	43	11-70	150	11-70	16	4.8	T	T	D	EE 62
AQUIA	20	2-52	25	2-52	6	2-52	2	1.2	P	-	D	EE 63
AQUIA	15M	6-46	-	-	-	-	-	-	H	P		EF 1
AQUIA	5	-	-	-	-	-	-	-	H	-	Q	EF 2
AQUIA	5M	6-46	-	-	-	-	-	-	U	N	U	EF 3
AQUIA	18M	6-46	-	-	-	-	-	-	H	J		EF 5
-	5	-	-	-	-	-	-	-	C	P		EF 7
-	5	-	-	-	-	-	-	-	C	P		EF 8
-	5	-	-	-	-	-	-	-	C	P		EF 9
AQUIA	-	-	-	-	-	-	-	-	U	N	Z	EF 10
AQUIA	5	-	-	-	-	-	-	-	C	J		EF 11
AQUIA	-	-	-	-	-	-	-	-	P	-		EF 12
AQUIA	-	-	-	-	6	-	3	-	H	P		EF 13
AQUIA	-	-	-	-	-	-	-	-	H	J	Q D	EF 14
MAGOTHY	+6M	12-60	-	-	14	-	-	-	H	-	Q D	EF 15
MAGOTHY	+1	9-69	40	9-69	12	9-69	10	0.3	H	J	D	EF 16
-	-	-	-	-	-	-	-	-	-	P		EF 4
AQUIA	34	-	-	-	-	-	-	-	C	P	Q	FC 1
CALVERT	45M	7-46	-	-	-	-	-	-	H	P		FC 3
MAGOTHY	F	-	-	-	9	-	-	-	H	-	Q	FC 4
-	28M	7-46	-	-	-	-	-	-	H	-		FC 5
AQUIA	32	7-47	46	7-47	4	7-47	6	0.3	C	P	D	FC 6
AQUIA	31	3-48	54	3-48	8	3-48	12	0.3	H	P	D	FC 7
AQUIA	36	5-49	65	5-49	4	5-49	5	0.1	C	-	D	FC 8
AQUIA	47M	10-50	-	-	-	-	-	-	C	J		FC 9
AQUIA	85	12-54	-	-	5	-	15	-	H	P	D	FC 10
AQUIA	48	8-53	64	8-53	5	8-53	4	0.3	C	J	D	FC 11
MAGOTHY	58	4-54	-	-	100	-	8	-	U	S	U D	FC 12
PLEISTOCENE	14M	11-59	-	-	-	-	-	-	H	P		FC 13

WATER USE CODES

C COMMERCIAL
H DOMESTIC
N INDUSTRIAL
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
J GAMMA RAY LOG
Q CHEM ANALYSIS
T TEST HOLE
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
FC 14	35039	WELCH, HARRY T	W.S. WARD	1959	110	252	2	S	-	10
FC 15	-	PUMPHREY, JOHN SR.	-	-	62	13	36	-	-	-
FC 16	-	-	-	-	65	13	36	O	-	-
FC 17	21460	DOUGLAS, ALLEN	T. LEATHERBURY	1955	65	115	3	S	95	20
FC 18	38839	WAYSONS TRAILER PARK INC.	COLUMBIA PUMP & WELL CO.	1960	50	289	6	S	279	10
FC 19	50678	WAYSONS TRAILER PARK INC.	COLUMBIA PUMP & WELL CO.	1963	50	291	6	S	281	10
FC 20	56639	WAYSONS TRAILER PARK INC.	COLUMBIA PUMP & WELL CO.	1964	40	110	8	S	95	15
FC 21	AA68W 37	WAYSONS TRAILER PARK INC.	COLUMBIA PUMP & WELL CO.	1967	20	104	8	S	78	26
FC 22	AA66W1582	LYONS CK.MOBILE HOME ESTATES	COLUMBIA PUMP & WELL CO.	1966	60	284	6	-	-	-
FC 23	AA73 144	LYONS CK MOBILE HOME ESTATES	EAST COAST WELL & PUMP INC.	1972	60	466	6	S	451	15
FC 24	AA70 490	RIO VISTA TRAILER PARK	H. H. BUNKER AND SONS, INC.	1970	50	125	6	S	115	10
FC 25	-	PATUXENT MOBILE ESTATES	-	-	50	200	6	S	180	-
FC 26	-	PATUXENT MOBILE ESTATES	-	-	50	160	6	S	-	-
FC 27	-	WAYSONS TRAILER PARK INC.	-	-	50	100	-	-	-	-
FD 2	-	MORELAND, C R	-	1880	165	65	60	X	-	-
FD 3	-	O'NEIL, WILLIAM	-	1940	155	50	48	O	-	-
FD 4	-	GRIFFITH, CHARLES	-	1944	145	66	36	O	-	-
FD 7	-	FAUST, JAMES F	-	1920	90	64	48	W	-	-
FD 10	-	SOUTHERN JR HIGH SCHOOL	WASHINGTON PUMP AND WELL CO.	1932	165	330	6	-	-	-
FD 11	-	POWERS, MORRIS	-	-	140	65	48	W	-	-
FD 12	-	TRACEYS LANDING ELEM SCHOOL	LEATHERBURY	1940	130	280	-	-	-	-
FD 13	3521	SOUTHERN JR HIGH SCHOOL	LAYNE-ATLANTIC CO.	1949	168	561	8	S	541	20
FD 15	-	SEAL, EDWARD	-	-	180	59	48	W	-	-
FD 16	-	MORELAND'S SERVICE STATION	-	-	170	30	-	-	-	-
FD 17	14576	ST JAMES CHURCH	LEATHERBURY	1954	150	295	2	S	265	30
FD 18	32086	ST JAMES CHURCH	LAYNE-ATLANTIC CO.	1958	150	290	4	S	280	10
FD 19	32522	TURNER, JOHN H	MCGEE	1958	110	76	20	X	65	11
FD 20	22557	LOTHIAN ELEM SCHOOL	LAYNE-ATLANTIC CO.	1956	175	304	6	S	299	5
FD 21	26758	WARD, AMOS H JR	MCGEE	1957	120	85	20	O	-	-
FD 22	33332	MT ZION METHODIST CHURCH	H. H. BUNKER AND SONS, INC.	1959	205	438	4	S	433	5
FD 23	-	MT ZION METHODIST CHURCH	-	-	200	75	20	O	-	-
FD 24	17376	FORD, J A JR.	LEATHERBURY	1954	170	305	3	-	278	-

FINISH CODES

O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
AQUIA	91	6-59	-	-	6	-	6	-	H	P	D	FC 14
-	5M	11-60	-	-	-	-	-	-	H	-		FC 15
-	9M	11-60	-	-	-	-	-	-	H	P		FC 16
AQUIA	53	11-55	74	11-55	6	11-55	-	0.3	-	J	D	FC 17
MAGOTHY	3	5-60	60	5-60	20	5-60	2	0.4	U	-	U D	FC 18
MAGOTHY	15	2-63	100	2-63	60	2-63	8	0.7	U	-	U D	FC 19
AQUIA	50	3-64	100	3-64	30	3-64	8	0.6	P	S	D	FC 20
AQUIA	30	7-67	75	7-67	58	7-67	8	1.3	P	S	D	FC 21
AQUIA	120	6-66	260	6-66	42	6-66	8	0.3	P	T	D	FC 22
MAGOTHY	38	9-72	147	9-72	150	9-72	12	1.4	P	T	D	FC 23
AQUIA	55	1-70	110	1-70	25	1-70	5	0.5	P	S	D	FC 24
AQUIA	-	-	-	-	-	-	-	-	P	T		FC 25
AQUIA	-	-	-	-	-	-	-	-	P	S		FC 26
AQUIA	-	-	-	-	-	-	-	-	P	-		FC 27
CALVERT	28M	7-46	-	-	-	-	-	-	H	P		FD 2
CALVERT	30M	7-46	-	-	-	-	-	-	H	-		FD 3
CALVERT	33M	7-46	-	-	-	-	-	-	H	-		FD 4
-	14M	7-46	-	-	-	-	-	-	H	P		FD 7
AQUIA	150M	8-51	-	-	15	-	-	-	U	N	Z	FD 10
CALVERT	43M	7-46	-	-	-	-	-	-	H	B		FD 11
AQUIA	-	-	-	-	-	-	-	-	U	N	Z Q	FD 12
MAGOTHY	139M	8-51	-	-	200	-	8	-	T	T	D D	FD 13
CALVERT	29M	6-50	-	-	-	-	-	-	H	P		FD 15
PLEISTOCENE	-	-	-	-	-	-	-	-	C	-	Q	FD 16
AQUIA	142	4-54	-	-	4	-	-	-	U	P	Z D	FD 17
AQUIA	140	9-58	175	9-58	20	9-58	4	0.6	H	S	D	FD 18
CALVERT	16M	11-59	-	-	2	-	-	-	H	J	D	FD 19
AQUIA	162	5-56	212	5-56	25	5-56	-	0.5	T	T	D	FD 20
NANJEMOY	40	4-57	-	-	-	-	-	-	H	J	D	FD 21
MATAWAN - MONMOUTH	190	1-59	220	1-59	10	1-59	4	0.3	H	S	D	FD 22
CALVERT	43M	11-59	-	-	-	-	-	-	U	N	U	FD 23
AQUIA	154	12-54	-	-	5	-	14	-	C	P	D	FD 24

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
U UNUSED
Z DESTROYED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
FD 25	21514	PARKS, GEORGE	LEATHERBURY	1956	140	300	3	S	270	30
FD 26	23202	PARKS, WILLIAM	LEATHERBURY	1956	125	300	3	S	280	20
FD 29	26257	JONES, HARRY	MCGEE	1957	170	85	20	O	-	-
FD 30	41098	TRACEYS LANDING ELEM SCHOOL	LAYNE-ATLANTIC CO.	1961	145	321	6	S	316	5
FD 31	-	PARKS, WILLIAM	-	-	125	30	36	-	-	-
FD 32	-	-	-	-	140	11	36	W	-	-
FD 33	-	TUCKER, EVERETT E.	-	1959	140	29	36	O	-	-
FD 34	-	SMITH, HENRY	MCGEE	1958	160	70	18	O	-	-
FD 35	-	-	-	-	180	27	48	W	-	-
FD 36	-	-	-	-	150	17	18	O	-	-
FD 37	-	BARKMAN, C A	-	-	100	21	36	O	-	-
FD 38	-	PROUT, STANLEY	-	-	145	30	48	W	-	-
FD 39	-	-	-	-	160	21	48	W	-	-
FD 40	32470	GRIFFITH, EUGENE	S. P. MCGEE	1958	150	92	48	O	92	-
FD 41	AA69 311	BURTON, JAMES	RUSSEL D. HALL	1968	210	340	4	S	330	10
FE 2	-	W M THOMAS LUMBER CO	LEATHERBURY	1940	10	120	2	X	-	-
FE 3	-	FORMERLY Y.W.C.A. CAMP	-	1925	7	150	2	-	-	-
FE 4	-	FORMERLY Y.W.C.A. CAMP	-	1925	5	150	2	S	-	-
FE 5	-	THOMPSON, ARTIVOUS	LEATHERBURY	1939	10	96	2	-	-	-
FE 6	-	MEDLEY, FRANCIS	-	-	100	62	48	W	-	-
FE 7	-	WARD, LEROY	GUY PHIPPS	1935	9	160	2	-	-	-
FE 8	-	THOMAS, FRANKLIN	LEATHERBURY BROS.	1935	5	400	4	-	-	-
FE 11	-	HOBSON, JULIUS A.	-	1922	3	130	2	-	-	-
FE 14	-	BROOKE, R T	FRANK WILDE	1926	4	156	2	X	125	-
FE 15	-	TACARO FARM	LEATHERBURY	1937	28	222	2	S	-	-
FE 16	-	TACARO FARM	LEATHERBURY	1937	15	222	2	-	-	-
FE 17	-	TACARO FARM	LEATHERBURY	1943	20	-	6	S	-	-
FE 18	-	TACARO FARM	LEATHERBURY	1938	20	-	2	-	-	-
FE 19	-	TACARO FARM	LEATHERBURY	1939	70	165	2	-	-	-
FE 20	-	TACARO FARM	LEATHERBURY	1941	140	165	2	-	-	-
FE 21	-	TACARO FARM	LEATHERBURY	1940	160	166	2	S	-	-
FE 22	-	TACARO FARM	LEATHERBURY	1946	83	167	2	S	-	-
FE 23	-	ETTLESTEIN, PHILIP	FRANK WILDE	1946	20	-	2	-	-	-

FINISH CODES

O OPEN END
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	160	5-56	-	-	4	-	24	-	H	P	D	FD 25
AQUIA	152	5-56	-	-	4	-	12	-	H	-	D	FD 26
CALVERT	-	-	-	-	-	-	-	-	H	J	D	FD 29
AQUIA	132	2-61	220	2-61	42	2-61	16	0.5	T	T	D	FD 30
CALVERT	20M	11-60	-	-	-	-	-	-	U	N	U	FD 31
-	8M	11-60	-	-	-	-	-	-	U	P	U	FD 32
CALVERT	26M	11-60	-	-	-	-	-	-	H	J		FD 33
CALVERT	46M	11-60	-	-	-	-	-	-	H	P		FD 34
PLEISTOCENE	17M	-	-	-	-	-	-	-	U	N	U	FD 35
PLEISTOCENE	9M	11-60	-	-	-	-	-	-	H	B		FD 36
CALVERT	4M	-	-	-	-	-	-	-	U	N	U	FD 37
CALVERT	22M	-	-	-	-	-	-	-	H	J		FD 38
PLEISTOCENE	15M	11-60	-	-	-	-	-	-	H	J		FD 39
NANJEMOY	30M	5-74	-	-	2	-	-	-	H	J	D	FD 40
AQUIA	205	10-68	-	-	-	-	4	-	I	S	D	FD 41
AQUIA	6	-	-	-	30	-	-	-	C	-		FE 2
AQUIA	F	-	-	-	-	-	-	-	U	N	U	FE 3
AQUIA	F	-	-	-	-	-	-	-	P	-		FE 4
NANJEMOY	6M	7-46	-	-	-	-	-	-	H	-		FE 5
CALVERT	54M	7-46	-	-	-	-	-	-	H	B		FE 6
AQUIA	1M	7-46	-	-	-	-	-	-	H	-		FE 7
MAGOTHY	F	-	-	-	19	-	-	-	U	N	U Q	FE 8
AQUIA	1M	7-46	-	-	-	-	-	-	U	N	U	FE 11
AQUIA	F	-	-	-	-	-	-	-	H	-	Q	FE 14
AQUIA	19M	7-46	-	-	-	-	-	-	H	-		FE 15
AQUIA	F	-	-	-	4	-	-	-	S	N		FE 16
-	0	-	-	-	-	-	-	-	H	P		FE 17
-	-	-	-	-	-	-	-	-	U	N	U	FE 18
NANJEMOY	-	-	-	-	-	-	-	-	H	P		FE 19
-	-	-	-	-	-	-	-	-	H	P		FE 20
-	-	-	-	-	-	-	-	-	H	P		FE 21
NANJEMOY	84M	7-46	-	-	-	-	-	-	H	-		FE 22
-	17M	7-46	-	-	-	-	-	-	H	-		FE 23

WATER USE CODES

C COMMERCIAL
H DOMESTIC
I IRRIGATION
P PUBLIC SUPPLY
S STOCK
T INSTITUTIONAL
U UNUSED

PUMP TYPE CODES

B BUCKET
J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
Q CHEM ANALYSIS
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
FE 24	759	ALLISON, A. & MARSHALL, F.	LEATHERBURY	1946	10	210	2	X	168	-
FE 25	1639	EDWARDS, A	LEATHERBURY	1947	4	200	2	X	148	-
FE 26	1648	ANDERSON, JOE	LEATHERBURY	1947	10	180	2	X	146	-
FE 27	1849	EURICH, A	LEATHERBURY	1947	5	210	2	X	170	-
FE 28	2054	AUGUST, G G	LEATHERBURY	1947	5	200	2	X	135	-
FE 29	3771	FRAZIER, GEORGE E.	W.S. WARD	1949	10	270	2	X	210	-
FE 30	5081	MYERS, WM. M.	CLARENCE PHIPPS	1949	5	150	1	-	100	-
FE 32	5584	RUSSELL, CLARENCE	T. LEATHERBURY	1940	8	210	2	X	176	24
FE 35	6218	GRADY, D M	T. LEATHERBURY	-	60	235	3	S	189	46
FE 37	5746	KELLY	T. LEATHERBURY	1950	45	188	2	-	-	-
FE 38	35791	GRIFFITH, JOHN	CLARENCE PHIPPS	1959	5	160	2	X	126	-
FE 39	9175	OLD DEALE SCHOOL	LAYNE-ATLANTIC CO.	1951	8	188	6	S	173	15
FE 40	41100	DEALE ELEM SCHOOL	LAYNE-ATLANTIC CO.	1961	5	185	6	S	180	5
FE 41	-	NUTWELL, EDWIN	-	-	95	47	36	W	-	-
FE 42	35288	NUTWELL, EDWIN	-	1958	95	250	-	-	-	-
FE 43	-	OWENS, JOHN A	-	-	85	28	48	W	-	-
FE 44	-	-	-	-	95	66	-	W	-	-
FE 45	-	COLLINSON, HENRIETTA	-	-	125	28	36	W	-	-
FE 46	AA71 526	A A CO DEPT OF PUBLIC WORKS	LAYNE-ATLANTIC CO.	1970	7	210	8	G	155	40
FE 47	AA73 3408	U S GEOLOGICAL SURVEY	DELMARVA DRILLING CO.	1974	6	590	4	G	580	10
GD 1	25021	FRIENDSHIP SPECIAL SCHOOL	HENRY A. GROPP	1956	160	366	6	S	356	10
GD 2	35495	FRIENDSHIP METHODIST CH	W.S. WARD	1959	150	262	4	S	252	10
GD 3	52833	SHERBERT, W.W.	T. LEATHERBURY	1963	135	377	2	S	345	32
GD 4	AA65W1185	WOOD, JOHN H.	CHAS. TRIFILLIS	1965	140	385	4	S	375	10
GD 5	AA67W 654	JOHNSON, WALTER	RUSSEL D. HALL	1967	160	370	4	S	365	5
GD 6	49522	WEBB, OLIN KENNETH	J. B. LYONS	1963	145	385	2	X	140	-
GD 7	AA73 3050	WEBB, OLIN KENNETH	JOHN E. BRANHAM	-	145	350	4	G	343	7
GE 2	2136	ROSE HAVEN	WASHINGTON PUMP AND WELL CO.	1948	5	314	8	S	302	12
GE 4	3959	SUMMERFIELD, COL. ELLISON	W.S. WARD	1949	60	354	2	X	256	98
GE 5	4364	SANSBURY, CAPT. HAMILTON	T. LEATHERBURY	1949	12	315	2	X	168	47
GE 6	5924	GUINTHER, RALPH	T. LEATHERBURY	1950	10	315	2	X	252	63
GE 7	3960	RAY, LAURA C.	W.S. WARD	1949	10	310	2	X	220	-

FINISH CODES

G GR PK&SCREEN
S SCREEN
W SHORED
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pumping	Date	Gallons per minute (gal/min)	Date						
AQUIA	5M	7-48	-	-	6	-	6	0.6	H	-	D	FE 24
AQUIA	6	7-47	22	7-47	8	7-47	4	0.5	H	P	D	FE 25
AQUIA	6M	7-48	-	-	6	-	8	0.8	C	S	Q D	FE 26
AQUIA	4M	8-48	-	-	8	-	6	0.9	H	P	D	FE 27
AQUIA	3	11-47	14	11-47	8	11-47	6	0.7	H	P	D	FE 28
AQUIA	6	3-49	-	-	12	-	2	-	H	-		FE 29
AQUIA	3	12-49	8	12-49	5	12-49	-	1.0	H	P	Q	FE 30
AQUIA	4M	9-50	-	-	12	-	-	1.1	H	P	D	FE 32
AQUIA	26	11-50	-	-	9	-	14	-	H	J	Q D	FE 35
AQUIA	29M	10-50	-	-	-	-	-	-	H	-	D	FE 37
AQUIA	2	-59	9	-59	10	-59	-	1.4	H	P	Q D	FE 38
AQUIA	4	12-51	11	12-51	35	12-51	6	5.0	U	-	U Q D	FE 39
AQUIA	4M	1-61	-	-	252	-	16	3.1	T	T	D	FE 40
CALVERT	23M	11-60	-	-	-	-	-	-	U	N	U	FE 41
AQUIA	-	-	-	-	-	-	-	-	H	J		FE 42
CALVERT	10M	11-60	-	-	-	-	-	-	U	N	U	FE 43
CALVERT	62M	11-60	-	-	-	-	-	-	H	P		FE 44
-	20M	11-60	-	-	-	-	-	-	H	J		FE 45
AQUIA	7	12-70	61	12-70	300	12-70	24	5.6	Z	S	D E	FE 46
MAGOTHY	+8M	11-74	-	-	-	-	-	-	U	N	O	FE 47
AQUIA	145	12-56	202	12-56	60	12-56	5	1.1	T	T	D	GD 1
NANJEMOY	105	-59	115	-59	7	-59	24	0.7	H	S	D	GD 2
AQUIA	152	8-63	-	-	4	-	3	-	H	P	D	GD 3
AQUIA	70	6-65	90	6-65	15	6-65	1	0.8	H	-	D	GD 4
AQUIA	150	1-67	170	1-67	20	1-67	18	1.0	H	S	D	GD 5
AQUIA	84	1-63	130	1-63	4	1-63	3	0.1	U	J	U D	GD 6
AQUIA	125	6-74	150	6-74	15	6-74	4	0.6	H	S	D	GD 7
AQUIA	2	2-48	210	2-48	125	2-48	12	0.6	P	T	Q D D	GE 2
AQUIA	50	5-49	-	-	-	-	-	-	H	-	D D	GE 4
AQUIA	1M	4-51	-	-	-	-	-	-	U	N	U D	GE 5
AQUIA	-	-	-	-	5	-	-	-	-	-	D	GE 6
AQUIA	10	-	-	-	30	-	2	-	H	J	D	GE 7

WATER USE CODES

C COMMERCIAL
H DOMESTIC
P PUBLIC SUPPLY
T INSTITUTIONAL
U UNUSED
Z OTHER

PUMP TYPE CODES

J JET
N NONE
P PISTON
S SUBMERGIBLE
T TURBINE

REMARKS CODES

D DESCRPTVE LOG
E ELECTRIC LOG
O OBSERVATION
Q CHEM ANALYSIS
U UNUSED

Table 2. Selected records of wells in Anne Arundel County--continued

Well number	Permit number	Owner or name	Driller	Year completed	Altitude of land surface (feet)	Depth of well (feet)	Diameter of well at land surface (inches)	Well finish	Depth of bottom of casing or top of screen (feet)	Length of screen (feet)
GE 8	-	HOLLAND POINT COMMUNITY	-	-	5	-	2	-	-	-
GE 9	26749	ROSS, EDWIN A.	H. H. BUNKER AND SONS, INC.	1957	65	374	4	S	369	5
GE 10	AA67W 852	ROHRER, M. C.	WILLARD C. WARD	1967	140	372	4	S	362	10
GE 11	AA67W 933	MUDD	WILLARD C. WARD	1967	90	385	2	S	378	7
GE 12	AA68W 14	LEARY, H. B.	H. H. BUNKER AND SONS, INC.	1967	10	355	4	X	333	22
GE 13	AA69 843	ROSE HAVEN	SHANNAHAN ARTESIAN WELL CO.	1969	5	348	8	S	306	42

FINISH CODES

S SCREEN
X OPEN HOLE

Aquifer	Water level (feet, below land surface, M means measured)				Yield		Hours pumped	Specific capacity (gal/min/ft of drawdown)	Water use	Type of pump	Remarks	Well number
	Static	Date	Pump-ing	Date	Gallons per minute (gal/min)	Date						
-	+2M	11-60	-	-	-	-	-	-	U	N	U	GE 8
AQUIA	65	5-57	-	-	20	-	2	-	H	J	D	GE 9
AQUIA	143	2-67	154	2-67	15	2-67	4	1.4	H	S	D	GE 10
AQUIA	122	4-67	132	4-67	20	4-67	4	2.0	H	J	D	GE 11
AQUIA	115	7-67	150	7-67	20	7-67	5	0.6	H	-	D	GE 12
AQUIA	6	6-69	68	6-69	95	6-69	20	1.5	P	S	D	GE 13

WATER USE CODES

H DOMESTIC
P PUBLIC SUPPLY
U UNUSED

PUMP TYPE CODES

J JET
N NONE
S SUBMERGIBLE

REMARKS CODES

D DESCRPTVE LOG
U UNUSED

TABLE 3. CHEMICAL QUALITY ANALYSES OF GROUND WATER FROM ANNE ARUNDEL COUNTY

	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
AC 15	217PTXN	60-04-20	--	--	870	--	--	--	--	--	22	--	.9	--
AC 21	217PTXN	52-03-31	10	3900	3700	40	1.8	1.1	2.6	1.0	36	5.5	3.9	<.0
AC 34	217PTXN	60-04-20	--	--	230	--	--	--	--	--	31	--	1.0	--
AC 48	217PTXN	60-03-12	--	--	1200	--	--	--	--	--	10	--	4.0	--
AD 1	217PPSC	43-06-21	--	--	--	--	--	--	--	--	4	1.0	2.8	--
	217PPSC	46-04-01	6.3	--	280	--	1.6	.8	2.1	.5	2	1.0	2.9	<.0
AD 2	217PPSC	43-06-21	--	--	--	--	--	--	--	--	4	1.0	3.5	--
AD 3	217PPSC	43-06-21	--	--	--	--	--	--	--	--	6	1.0	5.5	--
	217PPSC	46-04-01	6.4	--	90	--	3.3	1.5	4.1	.7	4	1.2	6.1	.1
AD 4	217PPSC	43-08-19	--	--	--	--	--	--	--	--	6	1.0	5.0	<.0
AD 5	217PPSC	43-08-02	--	--	--	--	--	--	--	--	6	1.0	13	--
	217PPSC	45-06-15	7.7	--	40	--	2.2	.9	3.5	1.0	6	.6	5.5	<.0
AD 6	217PPSC	43-08-19	--	--	350	--	--	--	--	--	5	1.0	5.0	<.0
AD 7	217PPSC	43-08-19	--	--	570	--	--	--	--	--	1	7.0	2.0	<.0
	217PPSC	45-06-15	9.3	--	40	--	1.3	.5	1.8	.7	2	6.5	1.4	<.0
AD 20	217PTXN	45-06-15	9.5	--	1800	--	.9	.5	2.0	.8	3	5.9	1.4	<.0
AD 29	217PTXN	48-05-13	11	--	2200	20	.9	.5	1.5	1.0	1	6.9	1.2	.1
AD 33	217PPSC	60-04-22	--	--	210	--	--	--	--	--	20	--	1.8	--
AD 63	217PPSC	60-04-20	--	--	340	--	--	--	--	--	8	--	1.1	--
AD 74	217PPSC	60-03-08	--	--	50	--	--	--	--	--	5	--	2.4	--
AD 76	217PTXN	60-03-08	--	--	780	--	--	--	--	--	<0	--	.5	--
AD 80	217PPSC	60-04-20	--	--	750	--	--	--	--	--	13	--	1.2	--
AD 83	217PPSC	60-04-20	--	--	340	--	--	--	--	--	20	--	1.7	--
AE 1	217PTXN	43-08-26	--	--	540	--	--	--	--	--	4	7.0	2.0	<.0
AE 2	--	43-08-24	--	--	790	--	--	--	--	--	22	46	14	.1
AE 3	217PPSC	43-08-24	--	--	--	--	--	--	--	--	35	70	17	.2
AE 4	217PPSC	44-01-31	--	--	--	--	--	--	--	--	--	16	4.0	--
AE 22	217PPSC	46-01-14	4.4	--	460	--	48	7.1	37	5.4	68	70	40	<.0
AE 33	217PPSC	54-03-18	5.9	--	50	20	3.3	2.3	1.3	.9	4	12	4.0	<.0
BB 5	217PTXN	52-03-31	8.5	--	180	10	.3	.1	5.9	.3	5	7.5	3.2	<.0
BB 19	217PTXN	46-03-29	5.1	--	--	--	1.3	.6	2.6	.3	38	5.9	2.6	<.0
BB 22	217PTXN	60-03-09	--	--	20	--	--	--	--	--	3	--	6.5	--
BB 38	217PTXN	60-02-26	--	--	2400	--	--	--	--	--	158	--	2.4	--
BB 55	217PTXN	58-03-19	--	--	--	--	.9	<.0	--	--	5	4.8	1.3	--
BC 40	217PPSC	60-06-01	7.0	<50	20	10	.8	.2	1.4	.7	2	2.6	2.0	<.0
BC 68	217PPSC	60-04-20	--	--	500	--	--	--	--	--	6	--	1.9	--
BC 69	217PPSC	60-04-18	--	--	450	--	--	--	--	--	15	--	3.5	--
BC 74	217PPSC	60-04-20	--	--	190	--	--	--	--	--	6	--	2.1	--
BC 88	217PPSC	60-03-05	--	--	50	--	--	--	--	--	1	--	2.9	--
BC 96	217PPSC	60-03-29	--	--	90	--	--	--	--	--	3	--	5.4	--
BC 108	217PPSC	60-05-27	8.0	200	60	<5	2.8	.7	2.8	1.3	17	<.0	3.0	<.0
BC 128	217PPSC	60-05-27	6.6	<50	130	20	4.8	1.5	2.8	1.2	10	2.2	1.5	.1
BD 6	217PPSC	46-03-28	8.0	--	80	--	1.1	.5	1.2	.3	2	4.6	1.5	.1
BD 7	217PPSC	46-03-13	--	--	--	--	--	--	--	--	--	3.0	3.0	--
BD 63	217PPSC	60-03-08	--	--	50	--	--	--	--	--	3	--	2.5	--
BD 73	217PPSC	60-04-22	--	--	150	--	--	--	--	--	12	--	1.5	--
BD 75	217PPSC	60-04-22	--	--	920	--	--	--	--	--	26	--	1.9	--
BD 77	217PPSC	60-02-23	--	--	350	--	--	--	--	--	2	--	4.9	--
BD 78	217PPSC	60-04-15	--	--	120	--	--	--	--	--	6	--	1.0	--
BD 87	210CRCS	60-05-27	6.5	<50	140	<5	.8	.5	1.5	.3	14	<.0	1.5	<.0
BE 21	217PPSC	46-01-16	8.1	--	590	--	1.0	.5	2.0	.6	<0	9.4	1.8	<.0
	217PPSC	60-03-08	--	--	640	--	--	--	--	--	<0	--	2.4	--
BE 32	217PPSC	46-02-15	--	--	E2900	--	--	--	--	--	--	9.0	4.0	--
BE 33	217PPSC	46-02-15	--	--	E3700	--	--	--	--	--	--	10	4.0	--
BE 36	217PPSC	46-02-26	--	--	E850	--	--	--	--	--	6	1.0	6.0	--
BE 42	217PPSC	46-02-26	--	--	--	--	--	--	--	--	--	12	64	--
BE 45	217PPSC	46-04-16	2.8	--	350	100	6.2	2.3	6.1	1.4	2	14	7.0	.2
BE 46	217PPSC	46-04-16	3.5	--	80	<5	3.1	1.6	3.9	.8	1	15	3.2	.1
BF 1	217PPSC	43-08-03	--	--	E18000	--	--	--	--	--	20	2.0	3.0	--
BF 2	217PPSC	43-08-03	--	--	E7500	--	--	--	--	--	--	2.0	1.5	--
	217PPSC	51-05-01	9.0	<50	2500	70	1.8	.6	1.3	1.6	<0	9.0	2.0	<.0
BF 4	217PPSC	43-08-03	--	--	--	--	--	--	--	--	3	6.0	4.2	--
BF 45	217PPSC	60-03-08	--	--	640	--	--	--	--	--	5	--	3.9	--
BF 48	211MGTY	60-06-03	8.1	700	110	30	2.0	1.0	2.3	1.1	<0	12	3.0	<.0
BF 54	217PPSC	74-10-11	13	--	11000	80	1.3	.8	1.5	1.2	0	34	2.1	.1
CB 1	217PTXN	59-09-15	8.8	<50	410	<5	.3	.1	--	--	3	3.8	2.3	<.0
CB 2	217PTXN	59-12-14	8.6	100	3400	200	1.4	.6	--	--	0	15	3.0	.1
CC 1	217PPSC	46-04-15	5.8	--	330	--	1.6	1.2	3.2	.6	5	1.4	4.6	<.0
CC 7	217PPSC	46-04-23	7.2	--	2100	<50	.5	.3	1.4	.3	5	.7	2.1	.1
CC 12	217PPSC	46-05-01	--	--	150	--	--	--	--	--	32	1.0	2.0	--
CC 13	112PLSC	52-03-31	5.5	200	200	250	12	1.5	2.7	6.8	5	30	4.2	.1
CC 15	112PLSC	46-05-06	--	--	420	--	--	--	--	--	7	1.0	4.0	--
CC 23	217PPSC	60-05-27	7.2	<50	70	<5	20	1.7	1.8	.8	60	2.4	3.0	<.0
CC 43	217PPSC	60-03-09	--	--	<5	--	--	--	--	--	4	--	3.5	--
CC 78	217PTXN	62-01-15	9.7	<50	1100	50	1.2	.6	1.5	.7	1	8.6	1.5	<.0
	217PTXN	62-01-25	--	--	1000	--	--	--	--	--	<0	--	1.5	--
CC 105	217PTXN	73-07-08	8.3	--	300	100	2.0	1.0	2.0	1.1	6	9.5	1.8	.3
CC 107	217PTXN	74-07-12	9.0	--	390	30	3.2	1.0	1.6	1.1	3	11	1.4	.0
CD 6	211MGTY	46-03-14	--	--	E1100	--	--	--	--	--	40	3.0	16	--

GEOLOGIC UNIT CODES :

112PLSC = PLEISTOCENE
125AQUI = AQUIA
210CRCS = CRETACEOUS
211CRCSU= UPPER CRETACEOUS
211MGTY = MAGOTHY
211MNMT = MONMOUTH
217PPSC = PATAPSCO
217PTXN = PATUXENT

DIS_ SOLVED NITRATE (NO3) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL COPPER (CU) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DATE OF SAMPLE		
--	--	--	--	5	0	38	6.4	14.0	--	--	--	--	60-04-20	AC	15
.20	--	48	44	9	0	73	6.4	--	7	--	--	--	52-03-31	AC	21
--	--	--	--	6	0	67	6.6	--	--	--	--	--	60-04-20	AC	34
--	--	--	--	204	200	445	6.3	--	--	--	--	--	60-03-12	AC	48
5.6	--	--	--	10	7	44	6.7	13.0	--	--	--	--	43-06-21	AD	1
6.0	--	25	22	7	5	31	5.2	--	3	--	--	--	46-04-01		
8.6	--	--	--	16	13	40	6.0	13.0	--	--	--	--	43-06-21	AD	2
10	--	--	--	18	13	53	6.9	12.5	--	--	--	--	43-06-21	AD	3
12	--	42	37	14	11	56	5.1	--	4	--	--	--	46-04-01		
8.4	--	--	--	18	13	44	6.8	13.0	--	--	--	--	43-08-19	AD	4
4.2	--	--	--	--	--	64	6.4	--	--	--	--	--	43-08-02	AD	5
5.8	--	36	30	9	4	42	5.7	13.0	--	--	--	--	45-06-15		
6.1	--	--	--	18	14	40	6.4	14.0	--	--	--	--	43-08-19	AD	6
<.05	--	--	--	12	11	27	5.1	14.0	--	--	--	--	43-08-19	AD	7
<.05	--	23	22	5	3	27	5.0	14.0	--	--	--	--	45-06-15		
<.05	--	24	22	4	2	23	5.2	--	--	--	--	--	45-06-15	AD	20
<.05	--	24	24	4	3	29	4.7	--	3	--	--	--	48-05-13	AD	29
--	--	--	--	23	7	60	6.8	13.0	--	--	--	--	60-04-22	AD	33
--	--	--	--	12	5	53	5.9	13.5	--	--	--	--	60-04-20	AD	63
--	--	--	--	6	2	33	5.8	13.5	--	--	--	--	60-03-08	AD	74
--	--	--	--	2	--	31	4.4	15.0	--	--	--	--	60-03-08	AD	76
--	--	--	--	23	12	38	6.5	14.0	--	--	--	--	60-04-20	AD	80
--	--	--	--	19	3	94	6.4	--	--	--	--	--	60-04-20	AD	83
<.05	--	--	--	12	9	27	6.4	13.5	--	--	--	--	43-08-26	AE	1
9.1	--	--	--	68	50	206	5.6	--	--	--	--	--	43-08-24	AE	2
.10	--	--	--	87	58	269	6.3	18.5	--	--	--	--	43-08-24	AE	3
.50	--	--	--	10	--	64	4.3	--	--	--	--	--	44-01-31	AE	4
59	--	329	304	150	94	506	6.8	--	--	--	--	--	46-01-14	AE	22
1.2	--	29	33	18	15	45	5.6	13.0	8	--	100	--	54-03-18	AE	33
.10	--	30	28	1	0	39	5.2	--	2	--	--	--	52-03-31	BB	5
.40	--	48	38	6	0	79	6.9	--	--	--	--	--	46-03-29	BB	19
--	--	--	--	16	14	65	5.8	13.0	--	--	--	--	60-03-09	BB	22
--	--	--	--	6	0	371	9.2	13.0	--	--	--	--	60-02-26	BB	38
.20	--	--	--	--	--	34	5.5	--	--	--	--	--	58-03-19	BB	55
3.3	.02	23	19	3	1	23	5.1	14.0	4	10	<50	<50	60-06-01	BC	40
--	--	--	--	7	2	41	5.9	13.5	--	--	--	--	60-04-20	BC	68
--	--	--	--	58	46	175	6.6	12.0	--	--	--	--	60-04-18	BC	69
--	--	--	--	17	12	64	6.2	--	--	--	--	--	60-04-20	BC	74
--	--	--	--	19	18	76	4.8	11.0	--	--	--	--	60-03-05	BC	88
--	--	--	--	36	34	126	5.4	--	--	--	--	--	60-03-29	BC	96
6.2	<.00	47	43	10	0	56	6.3	14.0	5	160	<50	9900	60-05-27	BC	108
15	.03	42	41	18	10	63	6.3	13.0	7	110	<50	300	60-05-27	BC	128
.10	--	19	18	5	3	21	5.0	13.5	2	--	--	--	46-03-28	BD	6
.10	--	--	--	6	--	28	4.5	--	--	--	--	--	46-03-13	BD	7
--	--	--	--	5	3	22	6.1	13.0	--	--	--	--	60-03-08	BD	63
--	--	--	--	7	0	34	6.1	--	--	--	--	--	60-04-22	BD	73
--	--	--	--	32	11	116	6.5	13.0	--	--	--	--	60-04-22	BD	75
--	--	--	--	38	36	132	5.9	13.0	--	--	--	--	60-02-23	BD	77
--	--	--	--	5	0	27	6.1	--	--	--	--	--	60-04-15	BD	78
.10	<.00	23	24	4	0	30	6.3	13.5	4	160	<50	5900	60-05-27	BD	87
1.6	--	25	25	5	--	64	3.9	--	--	--	--	--	46-01-16	BE	21
--	--	--	--	4	--	63	4.2	14.0	--	--	--	--	60-03-08		
.10	--	--	--	9	--	87	3.8	13.5	--	--	--	--	46-02-15	BE	32
<.05	--	--	--	9	--	79	3.9	--	--	--	--	--	46-02-15	BE	33
3.2	--	--	--	10	5	47	5.2	--	--	--	--	--	46-02-26	BE	36
.30	--	--	--	27	--	271	4.3	13.5	--	--	--	--	46-02-26	BE	42
21	--	75	62	25	23	114	4.7	13.5	12	--	--	--	46-04-16	BE	45
4.2	--	41	36	14	13	65	4.9	13.5	6	--	--	--	46-04-16	BE	46
<.05	--	--	--	16	0	71	6.1	14.0	--	--	--	--	43-08-03	BF	1
<.05	--	--	--	18	--	56	4.2	15.5	--	--	--	--	43-08-03	BF	2
.20	<.05	34	26	7	7	54	4.1	15.0	2	--	--	--	51-05-01		
1.0	--	--	--	12	10	32	6.0	14.5	--	--	--	--	43-08-03	BF	4
--	--	--	--	15	11	60	6.0	--	--	--	--	--	60-03-08	BF	45
2.7	<.00	35	34	9	9	62	4.4	13.5	0	210	100	500	60-06-03	BF	48
.04	.06	--	55	7	7	161	3.5	14.5	20	--	--	--	74-10-11	BF	54
.10	<.05	14	21	1	0	22	5.0	--	15	30	--	210	59-09-15	CB	1
.30	.10	37	38	6	6	44	4.6	14.0	6	60	--	100	59-12-14	CB	2
5.5	--	28	26	9	5	38	5.7	13.0	6	--	--	--	46-04-15	CC	1
.50	--	18	16	2	0	17	5.1	13.0	27	--	--	--	46-04-23	CC	7
1.8	--	--	--	22	0	62	6.3	--	--	--	--	--	46-05-01	CC	12
11	--	90	76	36	32	134	5.0	--	10	--	--	--	52-03-31	CC	13
16	--	--	--	15	9	68	5.6	--	--	--	--	--	46-05-06	CC	15
7.4	.01	93	74	57	8	124	7.3	--	5	120	<50	100	60-05-27	CC	23
--	--	--	--	6	3	27	6.1	11.5	--	--	--	--	60-03-09	CC	43
<.05	.01	26	24	5	4	30	5.2	16.5	2	<5	<100	100	62-01-15	CC	78
<.05	--	24	--	5	5	29	4.5	14.0	0	--	--	--	62-01-25		
.04	--	--	29	9	4	46	4.7	--	--	--	--	--	73-07-08	CC	105
.04	.06	--	30	12	10	42	--	--	0	--	--	--	74-07-12	CC	107
3.9	--	--	--	30	0	166	6.5	--	--	--	--	--	46-03-14	CD	6

TABLE 3. CHEMICAL QUALITY ANALYSES OF GROUND WATER FROM ANNE ARUNDEL COUNTY

	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
CD 11	211MGTY	46-04-18	18	1600	2000	<5	.9	.7	2.6	.8	--	26	1.0	.1
CD 19	211MGTY	46-05-06	9.3	--	1200	60	.9	1.3	2.0	1.0	--	24	2.1	<.0
CD 23	217PPSC	46-05-07	--	--	--	--	--	--	--	--	9	36	4.0	--
CD 43	211MGTY	60-03-09	--	1300	2000	<5	--	--	--	--	<0	--	2.0	.1
CD 51	210CRCS	60-03-08	--	--	40	--	--	--	--	--	4	--	2.5	--
CE 1	211MGTY	46-04-01	6.2	--	30000	--	6.0	3.6	2.2	1.4	10	26	1.8	.3
CE 4	217PPSC	46-01-17	8.7	--	2200	--	1.0	.5	1.2	.6	<0	10	.8	<.0
CE 10	211CRCSU	46-02-18	--	--	E7300	--	--	--	--	--	--	20	3.0	--
CE 14	210CRCS	46-04-01	8.4	--	1100	--	.7	.3	1.6	.3	--	12	1.2	.1
CE 17	217PPSC	46-02-28	--	--	E8300	--	--	--	--	--	--	50	2.0	--
CE 18	211MGTY	46-02-28	--	--	E8100	--	--	--	--	--	--	56	4.0	--
CE 32	217PPSC	46-04-17	8.1	--	4000	<5	.8	.6	1.8	.3	--	15	1.9	.1
CE 33	217PPSC	46-04-17	11	--	2800	<50	.4	.3	1.1	.3	--	12	.8	.1
CE 34	217PPSC	46-04-01	9.5	--	2900	--	1.2	.5	1.8	.5	--	16	1.8	.1
CE 36	217PPSC	46-04-26	--	--	400	--	--	--	--	--	--	15	2.5	--
CE 37	217PPSC	46-05-01	--	--	5800	--	--	--	--	--	--	22	1.0	--
CE 38	217PPSC	46-05-07	11	--	1500	50	.7	1.2	1.5	1.2	--	16	1.1	<.0
CE 46	211MGTY	46-05-08	13	--	11000	--	7.8	3.5	2.1	2.7	21	20	2.0	.3
CE 69	211MGTY	60-02-23	9.4	300	13000	260	6.9	4.5	1.8	2.0	<0	42	1.5	.2
CE 70	217PPSC	60-02-23	7.6	<50	15000	340	7.8	3.7	1.4	1.6	1	35	1.0	.2
CE 81	217PPSC	60-05-25	7.7	<50	70	10	1.2	<.0	1.7	.4	1	4.0	2.0	<.0
	217PPSC	60-06-11	10	<50	680	20	1.6	<.0	1.1	.7	<0	8.4	.5	<.0
CE 83	211MGTY	60-06-02	6.6	100	150	20	9.2	2.2	8.8	2.3	16	19	6.0	<.0
CE 116	217PPSC	71-03-04	10	--	1800	20	.6	.3	1.2	.6	<0	13	1.5	.1
CF 1	217PPSC	46-04-11	6.7	--	9400	--	1.4	1.2	1.6	.7	--	19	.9	.1
CF 4	217PPSC	46-01-30	--	--	E17000	--	--	--	--	--	9	--	2.0	--
CF 11	211MGTY	46-04-16	9.1	--	21000	300	6.2	2.5	1.8	1.8	5	25	1.5	.3
CF 13	211MGTY	46-04-16	7.4	--	30000	400	5.8	3.1	1.8	1.3	--	31	.8	.2
CF 15	211MGTY	46-04-17	7.8	--	29000	400	8.7	4.4	2.9	1.6	--	42	1.8	.2
CF 38	211MGTY	60-03-30	7.2	<50	1800	<5	10	3.2	--	--	111	51	5.0	.3
CF 40	211MNMT	56-09-11	--	--	1400	30	--	--	--	--	17	.2	1.5	--
CF 41	125AQUI	56-09-11	--	--	50	<5	--	--	--	--	7	2.4	2.2	--
CF 42	125AQUI	56-09-11	--	--	550	30	--	--	--	--	12	4.4	1.8	--
CF 43	112PLSC	56-09-11	--	--	60	30	--	--	--	--	11	1.2	3.7	--
CF 44	112PLSC	56-09-11	--	--	90	30	--	--	--	--	59	11	2.8	--
CF 45	112PLSC	56-09-11	--	--	420	10	--	--	--	--	6	7.0	10	--
CF 46	125AQUI	56-09-11	--	--	10000	90	--	--	--	--	33	3.0	.3	--
CF 47	125AQUI	56-09-11	--	--	23000	410	--	--	--	--	72	.4	1.2	--
CF 48	112PLSC	56-09-13	--	--	520	30	--	--	--	--	10	4.0	17	--
CF 50	125AQUI	56-09-13	--	--	160	30	--	--	--	--	39	.2	12	--
CF 52	125AQUI	56-09-13	--	--	990	20	--	--	--	--	71	.2	6.0	--
CF 54	125AQUI	56-09-13	--	--	90	30	--	--	--	--	17	1.8	7.0	--
CF 55	125AQUI	56-09-13	--	--	130	60	--	--	--	--	10	.2	86	--
CF 56	125AQUI	56-09-13	--	--	20	10	--	--	--	--	4	.2	2.0	--
CF 57	125AQUI	56-09-13	--	--	1600	350	--	--	--	--	137	3.4	9.0	--
CF 58	125AQUI	56-09-13	--	--	80	40	--	--	--	--	32	2.4	3.0	--
CF 59	211MNMT	56-09-13	--	--	1700	40	--	--	--	--	16	4.4	2.0	--
CF 62	217PPSC	60-03-08	--	--	7800	--	--	--	--	--	<0	--	.5	--
CF 79	125AQUI	60-06-02	15	<50	270	<5	2.8	.7	2.3	1.9	9	5.6	4.0	<.0
CF 101	211MGTY	70-11-19	8.1	--	18000	800	7.1	3.6	1.2	1.6	<0	42	.8	.2
CF 107	217PPSC	72-09-26	7.2	--	13000	190	4.8	2.2	1.1	1.4	2	24	.6	.1
CG 6	211MGTY	50-03-15	8.3	--	26000	290	7.8	3.8	4.4	2.8	3	44	.9	.2
CG 11	112PLSC	56-09-11	--	--	190	<5	--	--	--	--	78	1.8	3.5	--
CG 13	112PLSC	56-09-13	--	--	70	30	--	--	--	--	8	.2	6.0	--
DC 7	211MGTY	52-03-31	31	<50	8500	100	14	2.0	2.1	2.5	45	10	1.9	.3
	211MGTY	53-04-23	21	--	230	--	23	1.9	--	--	69	18	2.6	.2
	211MGTY	54-05-06	26	--	20	--	26	1.8	--	--	73	17	4.1	.2
	211MGTY	60-06-08	29	<500	2500	<50	15	1.2	--	--	46	10	2.5	.3
DC 9	125AQUI	60-03-02	--	--	16000	--	--	--	--	--	19	--	1.5	--
DC 10	125AQUI	60-03-02	--	--	70	--	--	--	--	--	15	--	5.4	--
DC 13	211MGTY	60-08-11	27	--	13000	--	--	--	--	--	47	--	<.5	--
	211MGTY	60-08-17	24	<50	5100	120	7.2	1.7	--	--	20	12	1.3	.2
DD 12	125AQUI	46-06-10	--	--	320	--	--	--	--	--	5	1.0	8.0	--
DD 25	125AQUI	60-03-07	--	--	20000	--	--	--	--	--	78	--	1.5	--
DD 32	125AQUI	60-03-07	--	--	8200	--	--	--	--	--	48	--	1.5	--
DD 34	112PLSC	60-03-07	--	--	70	--	--	--	--	--	13	--	28	--
DD 42	211MGTY	70-10-24	26	--	6600	110	27	3.1	2.6	3.1	88	18	1.9	.2
DE 3	211MGTY	32-04-25	16	--	26000	--	9.9	4.2	2.3	2.6	44	11	2.0	--
	211MGTY	43-02-15	--	--	8800	--	--	--	--	--	29	13	2.0	--
DE 11	125AQUI	46-06-11	--	--	120	--	--	--	--	--	16	2.0	4.0	--
DE 12	125AQUI	46-06-11	--	--	880	--	--	--	--	--	14	1.0	3.0	--
DE 20	125AQUI	46-06-14	16	--	660	--	7.3	5.3	7.7	5.0	3	1.0	12	<.0
DE 34	125AQUI	46-06-25	--	--	440	--	--	--	--	--	12	1.0	8.0	--
DE 35	125AQUI	46-06-25	33	--	1400	--	67	5.4	2.6	5.0	220	12	2.2	.1
DE 42	211MGTY	46-07-19	--	--	14000	--	--	--	--	--	78	28	2.0	--
DE 47	211MGTY	32-04-25	13	--	11000	--	10	2.6	2.1	1.9	28	17	2.0	--
DE 64	125AQUI	60-03-02	--	--	340	--	--	--	--	--	122	--	2.0	--
DE 69	211MGTY	60-03-01	--	--	13000	--	--	--	--	--	55	--	1.0	--
DE 88	211MGTY	60-03-10	--	--	9000	--	--	--	--	--	34	--	2.0	--

GEOLOGIC UNIT CODES :

112PLSC = PLEISTOCENE
125AQUI = AQUIA
210CRCS = CRETACEOUS
211CRCSU= UPPER CRETACEOUS
211MGTY = MAGOTHY
211MNMT = MONMOUTH
217PPSC = PATAPSCO
217PTXN = PATUXENT

DIS_ SOLVED NITRATE (NO3) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL COPPER (CU) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DATE OF SAMPLE	
<.05	--	52	--	5	--	97	3.8	13.0	7	--	--	--	46-04-18	CD 11
.10	--	47	--	8	--	93	4.0	13.5	5	<500	--	<500	46-05-06	CD 19
.30	--	--	--	26	19	--	5.6	14.0	--	--	--	--	46-05-07	CD 23
--	--	--	--	3	--	93	4.0	13.5	--	20	--	400	60-03-09	CD 43
--	--	--	--	3	0	28	5.7	13.5	--	--	--	--	60-03-08	CD 51
.10	--	53	53	30	22	86	5.3	--	3	--	--	1500	46-04-01	CE 1
.10	--	25	23	5	--	59	3.9	--	--	--	--	--	46-01-17	CE 4
.10	--	--	--	15	--	138	3.8	14.0	--	--	--	--	46-02-18	CE 10
.10	--	29	--	3	--	69	3.9	14.0	5	--	--	--	46-04-01	CE 14
.10	--	--	--	21	--	170	3.5	14.0	--	--	--	--	46-02-28	CE 17
.10	--	--	--	15	--	167	3.5	14.5	--	--	--	--	46-02-28	CE 18
.10	--	25	--	4	--	54	4.0	16.5	75	--	--	--	46-04-17	CE 32
.10	--	28	--	2	--	62	3.9	15.0	33	--	--	--	46-04-17	CE 33
.10	--	36	--	5	--	82	3.9	--	17	--	--	1000	46-04-01	CE 34
<.05	--	--	--	9	--	71	--	14.0	--	--	--	--	46-04-26	CE 36
<.05	--	--	--	7	--	73	3.9	--	--	--	--	--	46-05-01	CE 37
.10	--	35	--	7	--	85	4.0	14.0	2	<500	--	<500	46-05-07	CE 38
<.05	--	62	62	34	17	94	5.6	13.5	2	--	--	--	46-05-08	CE 46
.10	.22	86	--	36	--	159	3.9	13.5	2	10	<50	500	60-02-23	CE 69
<.05	.14	63	59	35	34	112	4.8	15.0	2	<5	<50	100	60-02-23	CE 70
<.05	.05	21	17	3	2	21	5.0	13.5	10	20	100	200	60-05-25	CE 81
<.05	.32	32	23	4	4	46	4.3	16.0	0	40	100	100	60-06-11	
11	<.00	84	73	32	19	125	5.9	15.0	5	510	100	800	60-06-02	CE 83
.40	--	24	--	3	--	71	3.9	--	0	--	--	--	71-03-04	CE 116
.10	--	36	--	8	--	105	3.8	--	12	--	--	--	46-04-11	CF 1
.10	--	--	--	6	0	21	6.1	--	8	--	--	--	46-01-30	CF 4
<.05	--	55	51	26	22	82	4.9	--	13	--	--	--	46-04-16	CF 11
<.05	--	56	--	27	--	97	4.3	14.5	7	--	--	--	46-04-16	CF 13
.10	--	75	--	40	--	125	4.4	14.5	8	--	--	--	46-04-17	CF 15
.10	4.5	204	--	38	0	286	7.6	--	0	30	--	500	60-03-30	CF 38
--	--	--	--	1	0	45	6.0	--	--	--	--	--	56-09-11	CF 40
1.8	--	--	--	3	0	40	5.9	--	--	--	--	--	56-09-11	CF 41
8.8	--	--	--	9	0	55	6.5	--	--	--	--	--	56-09-11	CF 42
8.0	--	--	--	4	0	61	5.9	--	--	--	--	--	56-09-11	CF 43
10	--	--	--	33	0	159	6.9	--	--	--	--	--	56-09-11	CF 44
7.5	--	--	--	26	21	106	5.6	--	--	--	--	--	56-09-11	CF 45
.80	--	--	--	16	0	73	6.1	--	--	--	--	--	56-09-11	CF 46
.80	--	--	--	24	0	123	6.6	--	--	--	--	--	56-09-11	CF 47
38	--	--	--	23	15	170	5.4	--	--	--	--	--	56-09-13	CF 48
43	--	--	--	9	0	175	6.2	--	--	--	--	--	56-09-13	CF 50
<.05	--	--	--	8	0	133	6.7	--	--	--	--	--	56-09-13	CF 52
1.0	--	--	--	4	0	41	5.9	--	--	--	--	--	56-09-13	CF 54
191	--	--	--	102	94	620	6.0	--	--	--	--	--	56-09-13	CF 55
3.0	--	--	--	4	1	37	6.2	--	--	--	--	--	56-09-13	CF 56
<.05	--	--	--	29	0	243	6.9	--	--	--	--	--	56-09-13	CF 57
1.5	--	--	--	5	0	71	6.7	--	--	--	--	--	56-09-13	CF 58
.20	--	--	--	4	0	42	6.4	--	--	--	--	--	56-09-13	CF 59
--	--	--	--	12	--	172	3.6	14.5	--	--	--	--	60-03-08	CF 62
.80	<.00	39	38	10	2	38	6.6	13.5	5	20	100	1600	60-06-02	CF 79
.10	--	66	65	33	33	141	5.7	14.0	5	--	--	--	70-11-19	CF 101
.00	--	--	42	21	19	66	5.7	--	--	--	--	--	72-09-26	CF 107
<.05	--	75	74	35	33	123	4.7	--	2	--	--	--	50-03-15	CG 6
.20	--	--	--	49	0	138	7.3	--	--	--	--	--	56-09-11	CG 11
16	--	--	--	9	2	71	6.2	--	--	--	--	--	56-09-13	CG 13
.30	--	86	86	43	6	102	6.3	--	12	--	--	--	52-03-31	DC 7
.30	--	123	--	65	8	158	7.4	13.0	5	--	--	--	53-04-23	
.30	--	126	--	72	12	165	7.8	16.5	2	--	--	--	54-05-06	
.20	.27	102	--	42	4	106	6.3	14.5	14	80	--	200	60-06-08	
--	--	--	--	15	0	52	6.5	13.5	--	--	--	--	60-03-02	DC 9
--	--	--	--	13	1	64	6.5	13.0	--	--	--	--	60-03-02	DC 10
--	--	74	--	23	0	111	6.3	14.5	--	--	--	--	60-08-11	DC 13
.30	.07	65	--	25	9	71	5.9	13.0	2	10	--	<50	60-08-17	
4.6	--	--	--	9	5	57	5.3	--	--	--	--	--	46-06-10	DD 12
--	--	--	--	66	2	148	6.7	13.0	--	--	--	--	60-03-07	DD 25
--	--	--	--	52	13	127	7.0	11.5	--	--	--	--	60-03-07	DD 32
--	--	--	--	79	68	306	6.3	--	--	--	--	--	60-03-07	DD 34
.20	--	132	125	80	8	183	7.4	14.0	0	--	--	--	70-10-24	DD 42
<.05	--	66	70	42	6	--	--	--	--	--	--	--	32-04-25	DE 3
<.05	--	--	--	34	10	101	5.9	--	--	--	--	--	43-02-15	
2.2	--	--	--	20	7	48	5.7	--	--	--	--	--	46-06-11	DE 11
9.4	--	--	--	15	4	52	6.1	--	--	--	--	--	46-06-11	DE 12
56	--	121	112	40	38	144	5.2	14.0	0	--	--	--	46-06-14	DE 20
24	--	--	--	28	18	104	5.5	--	--	--	--	--	46-06-25	DE 34
.20	--	238	236	190	10	365	7.8	13.5	3	--	--	--	46-06-25	DE 35
.10	--	--	--	82	18	181	6.3	16.0	--	--	--	--	46-07-19	DE 42
<.05	--	62	62	36	13	--	--	--	--	--	--	--	32-04-25	DE 47
--	--	--	--	104	4	206	7.6	14.5	--	--	--	--	60-03-02	DE 64
--	--	--	--	64	19	137	6.7	15.0	--	--	--	--	60-03-01	DE 69
--	--	--	--	43	15	101	6.6	14.5	--	--	--	--	60-03-10	DE 88

TABLE 3. CHEMICAL QUALITY ANALYSES OF GROUND WATER FROM ANNE ARUNDEL COUNTY

	GEO-LOGIC UNIT	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)
DE 89	125AQUI	60-03-10	--	--	1300	--	--	--	--	--	11	--	3.5	--
DE 90	125AQUI	60-03-02	--	--	780	--	--	--	--	--	223	--	1.5	--
DE 104	211MGTY	68-10-30	13	--	17000	240	23	4.0	1.6	2.9	70	21	1.7	.4
	211MGTY	68-11-07	12	--	18000	270	25	6.1	2.1	3.0	70	34	2.2	.5
DE 105	125AQUI	68-11-22	22	--	2800	30	47	3.5	26	3.7	130	20	44	.2
DF 9	211MGTY	45-03-20	9.5	--	20000	200	16	5.5	1.9	2.6	37	38	1.6	.5
	211MGTY	60-02-03	9.8	<50	18000	310	17	5.0	1.5	2.6	31	36	1.9	.5
DF 12	217PPSC	45-03-20	7.6	--	19000	400	7.9	3.8	1.5	1.7	9	32	1.2	.2
	217PPSC	60-02-03	8.6	<50	19000	450	7.5	5.0	1.2	1.8	5	37	.8	.3
	217PPSC	61-05-26	8.3	100	14000	250	7.0	3.4	1.2	1.9	<0	34	3.0	.3
DF 13	217PPSC	45-03-20	7.9	--	20000	400	6.2	3.6	1.5	1.7	2	34	.9	.2
	217PPSC	60-02-03	8.1	<50	20000	430	6.6	5.0	1.0	1.8	--	34	.9	.2
DF 15	211MGTY	45-03-20	8.6	--	26000	400	15	5.7	1.8	2.4	32	45	1.4	.5
DF 16	217PPSC	45-03-20	8.5	--	18000	400	5.7	3.6	1.8	1.9	26	36	.9	.1
	217PPSC	60-03-07	--	--	12000	--	--	--	--	--	<0	--	.5	--
DF 64	210CRCS	60-03-07	--	--	20000	--	--	--	--	--	<0	--	.5	--
DF 65	217PPSC	60-03-12	--	--	15000	--	--	--	--	--	<0	--	.5	--
DF 79	217PPSC	60-03-22	8.9	100	16000	360	5.7	2.9	1.1	1.9	14	19	.2	.2
DF 81	211MGTY	70-07-20	7.6	--	17000	100	12	5.5	2.3	2.9	8	36	13	.4
DF 84	211MGTY	69-06-07	7.2	--	5200	310	18	5.0	1.5	3.3	17	53	.6	.2
DF 92	211MGTY	70-09-30	8.9	--	22000	320	24	5.4	2.5	2.7	46	46	1.3	.4
EC 2	125AQUI	58-02-28	23	<50	10	20	49	1.2	--	--	143	5.4	1.3	.2
ED 8	211CRCSU	46-06-28	17	--	1200	--	50	7.7	4.2	7.2	190	15	2.5	.1
ED 15	125AQUI	46-07-17	--	--	610	--	--	--	--	--	162	34	2.0	--
ED 16	125AQUI	50-03-27	56	--	2400	30	45	5.3	2.9	4.2	157	12	2.8	.2
EE 6	125AQUI	46-06-28	36	--	850	--	75	9.1	4.0	3.3	235	34	2.2	.1
EE 10	125AQUI	46-06-29	45	--	2400	--	76	3.1	4.2	3.9	247	6.1	3.9	<.0
EE 12	125AQUI	46-06-29	--	--	1600	--	--	--	--	--	189	9.0	2.0	--
EE 22	211MGTY	46-07-17	--	--	25000	--	--	--	--	--	58	36	2.0	--
EE 32	125AQUI	46-07-29	20	--	670	--	58	9.9	5.0	3.8	162	61	1.6	.2
EE 57	125AQUI	60-05-27	18	<50	520	10	37	13	4.5	5.6	155	42	4.0	.2
EF 2	125AQUI	46-06-18	32	--	4000	--	83	3.9	5.2	4.1	264	1.8	11	<.0
EF 14	125AQUI	60-05-31	33	100	530	120	234	6.5	260	8.8	291	36	665	<.0
EF 15	211MGTY	60-12-26	8.6	<50	4500	350	16	6.8	--	--	22	52	1.0	.3
FC 1	125AQUI	52-03-31	17	<5	190	10	49	5.1	2.8	4.1	153	27	1.4	<.0
FC 4	211MGTY	46-07-12	13	--	900	--	58	6.3	3.3	2.6	183	23	1.9	<.0
FD 12	125AQUI	60-05-27	14	<50	380	20	41	13	3.8	7.1	178	19	1.5	.2
FD 16	112PLSC	52-03-31	25	800	730	50	50	3.1	12	7.0	107	54	15	.2
FE 8	211MGTY	46-07-29	--	--	15000	--	--	--	--	--	80	50	2.0	--
FE 14	125AQUI	46-07-30	--	--	460	--	--	--	--	--	166	13	1.0	--
FE 26	125AQUI	60-05-27	19	<50	450	10	41	15	4.7	5.9	171	37	1.5	.1
FE 30	125AQUI	50-03-27	11	--	1400	<5	40	8.3	4.4	5.7	140	23	1.2	.3
FE 35	125AQUI	60-03-11	--	--	560	--	--	--	--	--	158	--	1.5	--
FE 38	125AQUI	60-03-11	--	--	520	--	--	--	--	--	167	--	1.0	--
FE 39	125AQUI	60-05-27	17	<50	510	10	43	9.0	3.8	6.4	148	37	1.0	.2
GE 2	125AQUI	49-03-09	14	500	370	--	33	11	5.6	2.0	166	8.9	3.5	.2

GEOLOGIC UNIT CODES :

112PLSC = PLEISTOCENE
125AQUI = AQUIA
210CRCS = CRETACEOUS
211CRCSU= UPPER CRETACEOUS
211MGTY = MAGOTHY
211MNMT = MONMOUTH
217PPSC = PATAPSCO
217PTXN = PATUXENT

DIS_ SOLVED NITRATE (NO3) (MG/L)	PHOS- PHATE (PO4) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TOTAL COPPER (CU) (UG/L)	TOTAL LITHIUM (LI) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DATE OF SAMPLE	
--	--	--	--	11	2	54	6.5	13.0	--	--	--	--	60-03-10	DE 89
--	--	--	--	122	0	352	7.9	14.5	--	--	--	--	60-03-02	DE 90
<.00	--	101	102	74	17	170	7.0	16.0	2	--	--	--	68-10-30	DE 104
.10	--	115	119	88	31	200	7.0	16.0	5	--	--	--	68-11-07	
.20	--	234	231	130	23	399	8.1	14.0	0	--	--	--	68-11-22	DE 105
<.05	--	104	94	63	33	--	5.8	--	--	--	--	--	45-03-20	DF 9
<.05	<.05	106	90	63	38	150	5.8	4.5	5	10	--	150	60-02-03	
<.05	--	66	60	35	28	--	5.2	--	--	--	--	--	45-03-20	DF 12
.60	<.05	88	65	39	35	113	5.0	4.5	6	50	--	180	60-02-03	
<.05	.09	68	--	31	32	113	4.1	--	2	70	--	200	61-05-26	
<.05	--	74	57	30	28	--	4.6	--	--	--	--	--	45-03-20	DF 13
<.05	<.05	69	--	37	37	106	4.3	4.5	4	50	--	160	60-02-03	
<.05	--	106	96	61	35	--	5.8	--	--	--	--	--	45-03-20	DF 15
<.05	--	80	71	29	8	--	5.8	--	--	--	--	--	45-03-20	DF 16
--	--	--	--	29	--	109	4.3	--	--	--	--	--	60-03-07	
--	--	--	--	38	--	128	4.4	15.0	--	--	--	--	60-03-07	DF 64
--	--	--	--	28	--	118	4.1	15.5	--	--	--	--	60-03-12	DF 65
<.05	<.05	47	47	26	15	73	5.7	16.5	1	<5	<50	<50	60-03-22	DF 79
--	--	100	84	53	46	146	7.0	14.0	0	--	--	--	70-07-20	DF 81
.20	--	87	97	66	52	160	7.2	15.0	3	--	--	--	69-06-07	DF 84
<.05	--	121	114	82	44	205	6.3	--	0	--	--	--	70-09-30	DF 92
.80	<.05	156	--	130	13	234	8.2	--	6	<5	--	80	58-02-28	EC 2
1.5	--	209	199	160	4	342	7.2	--	30	--	--	--	46-06-28	ED 8
.10	--	--	--	147	14	314	7.5	--	--	--	--	--	46-07-17	ED 15
.20	--	213	136	130	120	275	7.3	11.5	4	--	--	--	50-03-27	ED 16
.40	--	285	280	230	37	451	7.4	--	4	--	--	--	46-06-28	EE 6
.10	--	271	264	200	0	408	7.2	--	6	--	--	--	46-06-29	EE 10
<.05	--	--	--	153	0	317	7.9	14.0	--	--	--	--	46-06-29	EE 12
<.05	--	--	--	75	27	190	6.1	15.5	--	--	--	--	46-07-17	EE 22
.20	--	244	240	190	57	374	7.6	15.0	3	--	--	--	46-07-29	EE 32
.10	.10	224	201	150	19	339	7.5	--	11	10	100	<50	60-05-27	EE 57
<.05	--	276	271	220	3	430	7.4	14.0	3	--	--	--	46-06-18	EF 2
.10	.02	1870	1390	610	370	2580	6.9	--	7	20	400	8500	60-05-31	EF 14
<.05	.05	102	103	68	50	163	5.9	15.0	4	20	--	200	60-12-26	EF 15
.40	--	183	182	140	14	292	7.7	--	7	--	--	--	52-03-31	FC 1
.30	--	200	199	170	20	337	7.4	15.5	3	--	--	--	46-07-12	FC 4
<.05	.01	195	187	160	14	323	7.6	--	5	10	200	200	60-05-27	FD 12
14	--	240	233	140	52	353	6.3	--	7	--	--	--	52-03-31	FD 16
<.05	--	--	--	100	34	246	6.6	15.5	--	--	--	--	46-07-29	FE 8
.90	--	--	--	126	0	289	7.5	15.0	--	--	--	--	46-07-30	FE 14
<.05	.02	222	208	160	20	353	7.5	13.5	5	<5	200	400	60-05-27	FE 26
.50	--	164	169	130	5	280	8.2	12.0	1	--	--	--	50-03-27	FE 30
--	--	--	--	10	0	349	8.0	14.5	--	--	--	--	60-03-11	FE 35
--	--	--	--	167	30	332	7.6	--	--	--	--	--	60-03-11	FE 38
<.05	<.00	195	190	140	19	315	7.4	--	10	<5	100	200	60-05-27	FE 39
.90	--	166	161	130	0	321	7.6	16.5	10	--	--	--	49-03-09	GE 2

TABLE 4. LARGE GROUND-WATER APPROPRIATORS AND PUBLIC WATER SUPPLIES UTILIZING THE GROUND WATER OF ANNE ARUNDEL COUNTY

(APPROPRIATIONS FOR LESS THAN AN AVERAGE OF 10,000 GALLONS PER DAY (GPD) ARE NOT INCLUDED)

QUAD	NAME OF APPROPRIATOR OR PUBLIC SUPPLY	APPROPRIATION NUMBER	APPROPRIATION DATE REVIEWED	APPROPRIATION QUANTITY (GPD) AVERAGE (A) MAXIMUM (M)	WELL NUMBER	AQUIFER UTILIZED	PUMPAGE REPORTED 12-MONTH AVERAGE/GPD	PUMPAGE REPORTED YEAR REPORTED
AC	A A CO DEPT OF PUBLIC WORKS GLEN BURNIE SYSTEM	AA 69 GAP 019	07-06-71	7,500,000 (A) 15,000,000 (M)				
	PARKWAY INDUSTRIAL WELLS				AA AC 60 AA AC 65	PATUXENT PATUXENT	(24,000	01-06/74)
	SAWMILL CREEK WELL FIELD				AA AD 23 AA AD 40 AA AD 41 AA AD 67 AA AD 68	PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO	(1,002,000	01-06/74)
	DORSEY ROAD NON-IRON GROUP WELLS				AA AD 74 AA BD 55 AA BD 56 AA BD 64 AA BD 92 AA BD 95	PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO	(1,501,000	01-06/74)
	DORSEY ROAD IRON GROUP WELLS				AA AD 76 AA BD 57 AA BD 66 AA BD 97 AA BD 98	PATUXENT PATUXENT PATUXENT PATUXENT PATUXENT	(1,670,000	01-06/74)
	MEADE VILLAGE WELLS				AA BC 175 AA BC 176	PATAPSCO PATAPSCO	(92,000	01-06/74)
	HARUNDALE WELL FIELD				AA BD 36 AA BD 37 AA BD 61 AA BD 63	PATAPSCO PATAPSCO PATAPSCO PATAPSCO	(1,274,000	01-06/74)
	PHILIP DRIVE WELL				AA BD 101	PATAPSCO	(491,000	01-06/74)
	MARYLAND AVENUE WELL				AA BD 103	PATAPSCO	(341,000	01-06/74)
	CRAIN HIGHWAY WELL				AA BD 105	PATAPSCO	(170,000	01-06/74)
	ELVATON ROAD WELL				AA BD 107	PATAPSCO	(366,000	01-06/74)
	THELMA AVENUE WELL				AA BD 108	PATAPSCO	(173,000	01-06/74)
	QUARTERFIELD ROAD WELL				AA BD 109	PATAPSCO	(449,000	01-06/74)
							* 7,553,000	01-06/74
AD	A A CO DEPT OF PUBLIC WORKS GLEN BURNIE SYSTEM	(SEE ENTRY ABOVE IN AC QUAD)						
AD	COOPERATIVE FERTILIZER CO.	AA 66 GAP 047	11-05-70	25,000 (A) 30,000 (M)	AA AD 93	PATAPSCO	9,430	1974
AD	JOSEPH J HOCK, INC.	AA 55 GAP 009	02-02-71	20,000 (A) 30,000 (M)	AA AD 60	PATAPSCO	* 9,511	07-12/73
AD	E BROOKE MATLACK MATLACK, INC.	AA 57 GAP 002	02-17-71	20,000 (A) 25,000 (M)	AA AD 94	PATUXENT	9,555	1974
AD	TWO GUY'S DEPT STORE	AA 57 GAP 004	02-19-71	400,000 (A) 500,000 (M)	AA AD 69 AA AD 71	PATAPSCO PATAPSCO	178,137	1973
AD	USS AGRICULTURAL CHEMICALS	AA 67 GAP 042	03-01-72	50,000 (A) 65,000 (M)	AA AD 96	PATUXENT	41,233	1970
AE	CHEM-METAL DIVISION DIAMOND SHAMROCK	AA 62 GAP 030	11-26-74	900,000 (A) 1,000,000 (M)	AA AE 36	PATUXENT	754,231	1974
BB	A A CO DEPT OF PUBLIC WORKS MARYLAND CITY SYSTEM	AA 65 GAP 033	02-01-71	1,000,000 (A) 2,200,000 (M)	AA BB 64 AA BB 65 AA BB 66 AA BB 69	PATUXENT PATUXENT PATUXENT PATUXENT	548,000	1974
BB	COLONY 7 MOTOR INN	AA 60 GAP 024	02-18-71	25,000 (A) 30,000 (M)	AA BB 54 AA BB 70	PATUXENT PATUXENT	27,954	1973
BB	HOLIDAY INN	AA 69 GAP 009	03-02-72	28,800 (A) 100,000 (M)	AA BB 72 AA BB 73	PATUXENT PATUXENT	* 53,199	01-06/72
BB	LAUREL RACE COURSE, INC.	AA 47 GAP 003	07-16-74	58,000 (A) 140,000 (M)	AA BB 22 AA BB 48 AA BB 49	PATUXENT PATUXENT PATUXENT	66,427	1972
BB	PARKWAY MANOR MOTEL, INC.	AA 54 GAP 019	02-04-71	25,000 (A) 30,000 (M)	AA BB 38 AA BB 71	PATUXENT PATUXENT	8,715	1973
BB	FORT GEORGE G MEADE U S ARMY	AA 69 GAP 021	04-30-69	667,000 (A) 2,000,000 (M)	AA BB 68 AA BB 75 AA BC 164	PATUXENT PATUXENT PATUXENT	384,610	1974
BC	A A CO DEPT OF PUBLIC WORKS GLEN BURNIE SYSTEM	(SEE ENTRY ABOVE IN AC QUAD)						
BC	CEDARHURST WATER CO.	AA 55 GAP 003	? 1970	15,000 (A) 20,000 (M)	AA BC 142 AA BC 191	PATAPSCO PATAPSCO	N/A	
BC	CHESAPEAKE MOBILE HOMES	AA 57 GAP 007	11-02-70	36,000 (A) 40,000 (M)	AA BC 72 AA BC 155	PATAPSCO PATAPSCO	N/A	

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TABLE 4. LARGE GROUND-WATER APPROPRIATORS AND PUBLIC WATER SUPPLIES UTILIZING THE GROUND WATER OF ANNE ARUNDEL COUNTY

(APPROPRIATIONS FOR LESS THAN AN AVERAGE OF 10,000 GALLONS PER DAY (GPD) ARE NOT INCLUDED)

QUAD	NAME OF APPROPRIATOR OR PUBLIC SUPPLY	APPROPRIATION NUMBER	APPROPRIATION DATE REVIEWED	APPROPRIATION QUANTITY (GPD) AVERAGE (A) MAXIMUM (M)	WELL NUMBER	AQUIFER UTILIZED	PUMPAGE REPORTED 12-MONTH AVERAGE/GPD	PUMPAGE REPORTED YEAR REPORTED
BC	EXXON CORP. EXXON CHEMICAL COMPANY	AA 70 GAP 012	03-20-73	3,300,000 (A) 3,500,000 (M)	AA BC 1 AA BC 2 AA BC 20 AA BC 40 AA BC 47 AA BC 157 AA BC 165 AA BC 171 AA BC 173	PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATAPSCO PATUXENT	2,469,270	1974
BC	HARMANS ELEMENTARY SCHOOL A A CO PUBLIC SCHOOLS	AA 73 GAP 001	02-28-74	10,000 (A) 13,000 (M)	AA BC 181	PATUXENT	N/A	
BC	HENRY J KNOTT DEV. CO. LAKE VILLAGE TOWNHOUSES	AA 73 GAP 025	01-04-73	308,000 (A) 540,000 (M)	N/A (NOT FIELD CHECKED)		N/A	
BC	HOLIDAY MOBILE ESTATES	AA 63 GAP 008	01-25-71	40,000 (A) 50,000 (M)	AA BC 177 AA BC 178	PATUXENT PATUXENT	47,988	1974
BC	KOPPERS CO., INC.	AA 67 GAP 005	02-09-71	55,000 (A) 300,000 (M)	AA BC 185 AA BC 186	PATUXENT PATAPSCO	19,530	1974
BC	MACMILLAN BLOEDEL PACKAGING	AA 62 GAP 003	04-19-74	65,000 (A) 75,000 (M)	AA BC 182	PATAPSCO	N/A	
BC	PIONEER CITY REALTY CO.	AA 69 GAP 016	01-24-69	220,000 (A) 330,000 (M)	AA BC 169 AA BC 195	PATAPSCO PATAPSCO	176,151	1973
BC	THE PROVINCES WATER CO.	AA 70 GAP 046	06-17-71	472,000 (A) 864,000 (M)	AA BC 192 AA BC 193	PATUXENT PATUXENT	130,855	1974
BC	ROBINHOOD DELL TRAILER PARK	AA 69 GAP 006	05-01-72	20,000 (A) 24,000 (M)	AA BC 199 AA BC 200	CRETACEOUS PATUXENT	24,475	1973
BC	FORT GEORGE G MEADE U S ARMY	(SEE ENTRY ABOVE IN BB QUAD)						
BD	A A CO DEPT OF PUBLIC WORKS GLEN BURNIE SYSTEM	(SEE ENTRY ABOVE IN AD QUAD)						
BD	ROL-PARK TRAILER VILLAGE	AA 58 GAP 005	01-31-72	24,600 (A) 30,000 (M)	AA BD 89	PATAPSCO	N/A	
BD	TRANSIT TRUCK STOP, INC.	AA 62 GAP 026	02-10-71	20,000 (A) 30,000 (M)	AA BD 111	PATAPSCO	29,795	1974
BE	PASADENA WATER CO.	AA 62 GAP 028	02-04-71	60,000 (A) 100,000 (M)	AA BE 104 AA BE 105	PATAPSCO PATAPSCO	53,408	1972
BF	BODKIN ELEM & LAKE SHORE ELEM SCHOOL COMPLEX A A CO PUBLIC SCHOOLS	AA 70 GAP 013	03-11-74	48,000 (A) 55,000 (M)				
	BODKIN ELEM SCHOOL				AA BF 51	PATAPSCO	N/A	
	LAKE SHORE ELEM SCHOOL				AA BF 48	MAGOTHY	N/A	
CC	A A CO DEPT OF PUBLIC WORKS CROFTON SERVICE AREA	AA 72 GAP 005	09-20-71	2,000,000 (A) 4,300,000 (M)				
	CROFTON WELL FIELD				AA CC 86 AA CC 89 AA CC 102	PATUXENT PATAPSCO PATUXENT	(500,000	07-12/74)
	CROFTON MEADOWS WELL FIELD				AA CC 103 AA CC 105 AA CC 107	PATUXENT PATUXENT PATUXENT	(412,000	07-12/74)
							* 912,000	07-12/74
CC	A A CO DEPT OF PUBLIC WORKS KINGS HEIGHTS-ODENTON AREA	AA 54 GAP 018	07-06-71	2,000,000 (A) 5,000,000 (M)	AA CC 43 AA CC 79 AA CC 87 AA CC 88	PATAPSCO PATAPSCO PATUXENT PATUXENT	594,000	1974
CC	CROFTON CENTER ASSOC. LO-MAR-RO TRAILER PARK	AA 56 GAP 006	07-05-74	11,000 (A) 14,000 (M)	AA CC 62	MAGOTHY	8,278	1972
CC	GOLDEN TRIANGLE GOLF COURSE	AA 71 GAP 037	07-14-71	10,000 (A) 25,000 (M)	AA CC 110 AA CC 111	MAGOTHY MAGOTHY	3,287	1974
CD	CROWNSVILLE STATE HOSPITAL	AA 54 GAP 001	05-10-71	500,000 (A) 1,000,000 (M)	AA CD 11 AA CD 43 AA CD 50 AA CD 72	MAGOTHY MAGOTHY MAGOTHY MAGOTHY	237,929	1974
CD	MILLERSVILLE ELEM SCHOOL & ANNEX	- NONE -	03-01-74	11,900 (A) 15,900 (M)				
	MILLERSVILLE ELEM SCHOOL				AA CD 61	MAGOTHY	N/A	
	OLD MILLERSVILLE SCHOOL (NOW MD TRAINING SCHOOL OFFICE)				AA CD 51	MAGOTHY	N/A	
CD	SUMMER HILL TRAILER PARK	AA 60 GAP 021	02-09-71	15,000 (A) 25,000 (M)	AA CD 93 AA CD 94	MAGOTHY MAGOTHY	10,041	1974

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(APPROPRIATIONS FOR LESS THAN AN AVERAGE OF 10,000 GALLONS PER DAY (GPD) ARE NOT INCLUDED)

QUAD	NAME OF APPROPRIATOR OR PUBLIC SUPPLY	APPROPRIATION NUMBER	APPROPRIATION DATE REVIEWED	APPROPRIATION QUANTITY (GPD) AVERAGE (A) MAXIMUM (M)	WELL NUMBER	AQUIFER UTILIZED	PUMPAGE REPORTED 12-MONTH AVERAGE/GPD	PUMPAGE REPORTED YEAR REPORTED
CE	A A CO DEPT OF PUBLIC WORKS BROADNECK SERVICE AREA	AA 53 GAP 008	11-23-73	5,000,000 (A) 10,000,000 (M)				
	SEVERNA PARK WELL FIELD				AA CE 65 AA CE 66 AA CE 67	PATAPSCO PATAPSCO PATAPSCO	(360,000	1974)
	PINES-ON-SEVERN WELLS				AA CE 69 AA CE 70	MAGOTHY PATAPSCO	(174,000	1974)
	SEVERNDALE WELL FIELD				AA CE 94 AA CE 95 AA CE 96	PATAPSCO PATAPSCO PATAPSCO	(1,420,000	1974)
	BELVEDERE HEIGHTS WELLS				AA CF 62 AA CF 64	PATAPSCO PATAPSCO	(217,000	1974)
							2,171,000	1974
CE	EPPING FOREST, INC. EPPING FOREST WATER CO.	AA 66 GAP 028	10-15-70	33,000 (A) 50,000 (M)	AA CE 99 AA CE 119	MAGOTHY MAGOTHY	34,712	1974
CE	SHERWOOD FOREST CO. SHERWOOD FOREST WATER CO.	AA 63 GAP 029	03-18-71	170,000 (A) 200,000 (M)	AA CE 98	MAGOTHY	50,821	1974
CF	ANNAPOLIS TERRACE MOTEL	AA 55 GAP 011	10-15-74	12,000 (A) 15,000 (M)	AA CF 77 AA CF 78	AQUIA AQUIA	9,693	1973
CF	A A CO DEPT OF PUBLIC WORKS BROADNECK SERVICE AREA	(SEE ENTRY ABOVE IN CE QUAD)						
CF	A A CO DEPT OF PUBLIC WORKS GIBSON ISLAND SYSTEM	AA 71 GAP 034	07-06-71	80,000 (A) 400,000 (M)	AA CF 2 AA CF 22	PATAPSCO PATAPSCO	77,000	1974
CF	BUSCH'S CHESAPEAKE INN	AA 61 GAP 011	09-23-74	10,000 (A) 25,000 (M)	N/A (NOT FIELD CHECKED)		N/A	
CF	CAPE ST CLAIRE BUSINESSMANS ASSOC. (CAPE ST CLAIRE IMPROVEMENT ASSOC.)	AA 50 GAP 002	03-12-71	35,000 (A) 60,000 (M)	AA CF 91	AQUIA	4,631	01-06/75
CF	CAPE ST CLAIRE ELEM SCHOOL A A CO PUBLIC SCHOOLS	AA 68 GAP 012	02-28-74	27,000 (A) 30,000 (M)	AA CF 97	MAGOTHY	N/A	
CF	HOTEL CORP. OF AMERICA CHARTERHOUSE MOTEL & REST.	AA 59 GAP 007	09-30-70	15,000 (A) 20,000 (M)	AA CF 79 AA CF 80	AQUIA AQUIA	N/A	
CF	HOWARD JOHNSON RESTAURANT	AA 55 GAP 004	01-25-71	10,000 (A) 12,000 (M)	AA CF 70 AA CF 71 AA CF 72 AA CF 73 AA CF 113 AA CF 114	AQUIA AQUIA AQUIA AQUIA MAGOTHY MONMOUTH	N/A	
CF	JOHN BLONDELL & L SOSNOWSKI COLONIAL MANOR ESTATES	AA 59 GAP 002	10-05-73	15,000 (A) 20,000 (M)	AA CF 88 AA CF 112	AQUIA AQUIA	N/A	
CG	SANDY POINT STATE PARK MARYLAND PARK SERVICE	AA 49 GAP 004	09-29-70	100,000 (A) 120,000 (M)	AA CG 6 AA CG 7 AA CG 8	MAGOTHY MAGOTHY MAGOTHY	N/A	
CG	WESTINGHOUSE ELECTRIC CORP.	AA 66 GAP 027	01-04-71	102,250 (A) 153,400 (M)	AA CG 18 AA CG 19	PATAPSCO PATAPSCO	33,025	1973
DD	DAVIDSONVILLE ELEM SCHOOL A A CO PUBLIC SCHOOLS	- NONE -	02-28-74	11,200 (A) 14,900 (M)	AA DD 36	MAGOTHY	N/A	
DE	ANNAPOLIS CONCRETE CO., INC	AA 66 GAP 042	10-19-70	60,000 (A) 80,000 (M)	AA DE 93	PATAPSCO	9,469	1974
DE	A A CO DEPT OF PUBLIC WORKS ANNAPOLIS-BROAD CREEK AREA	AA 68 GAP 006	07-06-71	500,000 (A) 1,000,000 (M)	AA DE 96 AA DE 97	PATAPSCO PATAPSCO	158,000	1974
DE	CENTRAL AVENUE ELEM SCHOOL A A CO PUBLIC SCHOOLS	AA 71 GAP 026	02-28-74	53,000 (A) 60,000 (M)	AA DE 115	MAGOTHY	N/A	
DE	CITY OF ANNAPOLIS	AA 72 GAP 009	11-18-71	4,500,000 (A) 6,000,000 (M)	AA DE 2 AA DE 45 AA DE 46 AA DE 88 AA DE 94	MAGOTHY MAGOTHY MAGOTHY MAGOTHY PATAPSCO	3,627,879	1974
DE	ROLLING KNOLLS ELEM SCHOOL A A CO PUBLIC SCHOOLS	- NONE -	02-28-74	10,300 (A) 13,700 (M)	N/A (NOT FIELD CHECKED)		N/A	
DE	SOUTH DOWN SHORES, INC.	AA 58 GAP 008	05-27-71	20,000 (A) 40,000 (M)	AA DE 68 AA DE 119 AA DE 120 AA DE 121	AQUIA AQUIA AQUIA AQUIA	* 20,372	01-06/73
DE	SYLVAN SHORES SERVICES CO.	AA 56 GAP 002	10-15-70	40,000 (A) 60,000 (M)	AA DE 69 AA DE 122	MAGOTHY MAGOTHY	43,135	1974
DF	BAY RIDGE BEACH & INN	AA 61 GAP 007	02-11-71	10,000 (A) 50,000 (M)	AA DF 95 AA DF 96	AQUIA AQUIA	* 1,000	07-12/72
DF	U S NAVAL ACADEMY	- NONE -			AA DF 12 AA DF 13 AA DF 80 AA DF 83	PATAPSCO PATAPSCO PATAPSCO PATAPSCO	1,256,885	1973

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QUAD	NAME OF APPROPRIATOR OR PUBLIC SUPPLY	APPROPRIATION			WELL NUMBER	AQUIFER UTILIZED	PUMPAGE REPORTED	
		NUMBER	DATE REVIEWED	QUANTITY (GPD) AVERAGE (A) MAXIMUM (M)			12-MONTH AVERAGE/GPD	YEAR REPORTED
DF	U S NAVAL SHIP R & D CENTER	- NONE -			AA DF 16 AA DF 64 AA DF 65	PATAPSCO MAGOTHY PATAPSCO	463,000	1972
EC	MARYLAND MANOR HOMES	AA 65 GAP 032	02-10-71	78,500 (A) 100,000 (M)	AA EC 6 AA EC 7 AA EC 8	MAGOTHY MAGOTHY MAGOTHY	57,706	1972
ED	SOUTHERN SENIOR HIGH SCHOOL A A CO PUBLIC SCHOOLS	AA 68 GAP 011	02-28-74	46,300 (A) 65,000 (M)	AA ED 39	MAGOTHY	N/A	
EE	SHADY SIDE ELEM SCHOOL A A CO PUBLIC SCHOOLS	AA 71 GAP 008	02-28-74	48,000 (A) 55,000 (M)	AA EE 62	AQUIA	N/A	
EE	WOODFIELD FISH & OYSTER CO	AA 54 GAP 003	05-24-71	144,000 (A) 150,000 (M)	AA EE 28 AA EE 61	AQUIA AQUIA	49,089	1974
FC	JAMES W CROSBY, JR. LYONS CK MOBILE HOME ESTAT	AA 66 GAP 055	01-11-71	40,000 (A) 70,000 (M)	AA FC 22 AA FC 23	AQUIA MAGOTHY	N/A	
FC	PATUXENT MOBILE ESTATES	AA 73 GAP 013	10-03-72	45,000 (A) 60,000 (M)	AA FC 25 AA FC 26	AQUIA AQUIA	N/A	
FC	RIO VISTA TRAILER PARK	AA 70 GAP 016	03-03-70	15,000 (A) 25,000 (M)	AA FC 24	AQUIA	N/A	
FC	WAYSONS TRAILER PARK, INC.	AA 60 GAP 008	05-31-74	50,000 (A) 75,000 (M)	AA FC 20 AA FC 21 AA FC 27	AQUIA AQUIA AQUIA	48,300	1972
FD	SOUTHERN JUNIOR HIGH SCHOOL A A CO PUBLIC SCHOOLS	- NONE -	02-28-74	16,600 (A) 22,100 (M)	AA FD 13	MAGOTHY	N/A	
FE	A A CO DEPT OF PUBLIC WORKS BROADWATER SEWAGE TR PLANT	AA 71 GAP 020	03-04-71	128,000 (A) 196,000 (M)	AA FE 46	AQUIA	N/A	

N/A = NOT AVAILABLE * = 6-MONTH AVERAGE / GPD SUBTOTALS OF REPORTED PUMPAGE IN PARENTHESES

Table 5. Selected logs of wells in Anne Arundel County

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-AC 4	(Altitude: 190 feet, Depth: 165 feet) (See Brookhart, 1949)			D
Well AA-AC 10	(Altitude: 120 feet, Depth: 153 feet) (See Brookhart, 1949)			D
Well AA-AC 11	(Altitude: 130 feet, Depth: 320 feet) (See Otton, 1955)			D
Well AA-AC 14	(Altitude: 150 feet, Depth: 220 feet) (See Otton, 1955)			D
Well AA-AC 23	(Altitude: 200 feet, Depth: 337 feet) (See Otton, 1955)			D
Well AA-AC 60	(Altitude: 165 feet, Depth: 186 feet) (See Hansen, 1968)			D
Well AA-AD 1	(Altitude: 45 feet, Depth: 111 feet) (See Brookhart, 1949)			D
Well AA-AD 2	(Altitude: 40 feet, Depth: 119 feet) (See Brookhart, 1949)			D
Well AA-AD 8	(Altitude: 49 feet, Depth: 390.5 feet) (See Brookhart, 1949)			D
Well AA-AD 9	(Altitude: 46 feet, Depth: 149.5 feet) (See Brookhart, 1949)			D
Well AA-AD 10	(Altitude: 45 feet, Depth: 108.5 feet) (See Brookhart, 1949)			D
Well AA-AD 11	(Altitude: 40 feet, Depth: 300 feet) (See Brookhart, 1949)			D
Well AA-AD 14	(Altitude: 0 feet, Depth: 35.5 feet) (See Brookhart, 1949)			D
Well AA-AD 15	(Altitude: 0 feet, Depth: 41 feet) (See Brookhart, 1949)			D
Well AA-AD 16	(Altitude: 35 feet, Depth: 182 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-AD 20	(Altitude: 40 feet, Depth: 392 feet) (See Brookhart, 1949)			D
Well AA-AD 29	(Altitude: 40 feet, Depth: 530 feet) (See Brookhart, 1949)			D
Well AA-AD 32	(Altitude: 40 feet, Depth: 80 feet) (See Brookhart, 1949)			D
Well AA-AD 33	(Altitude: 140 feet, Depth: 147 feet) (See Brookhart, 1949)			D
Well AA-AD 33	(Altitude: 140 feet, Depth: 147 feet) (See Otton, 1955)			G
Well AA-AD 34	(Altitude: 105 feet, Depth: 30 feet) (See Brookhart, 1949)			D
Well AA-AD 39	(Altitude: 140 feet, Depth: 178 feet) (See Otton, 1955)			D
Well AA-AD 43	(Altitude: 47 feet, Depth: 279 feet) (See Otton, 1955)			D
Well AA-AD 75	(Altitude: 75 feet)			D
	Surface sand	5	5	
	Sand and thin streak of white clay	32	37	
	Hard white clay	1	38	
	Fine sand	11	49	
	Medium coarse sand	26	75	
	Hard white clay	2	77	
	Coarse sand and gravel	28	105	
	Medium hard white clay	3	108	
	Coarse sand and gravel	11	119	
	White clay	2	121	
	Sand and gravel	4	125	
	Medium hard white clay	5	130	
	Coarse sand and small gravel	16	146	
	Thin streak of white clay	1	147	
	Coarse sand and gravel	10	157	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Hard red clay	38	195	
Medium hard gray clay with thin soft spots	23	218	
Hard gray clay	7	225	
Hard red clay	24	249	
Hard red clay, mixed with gray clay	37	286	
Hard packed sandy red clay	22	308	
Hard red clay	12	320	
Hard red and white clay, mixed	32	352	
Hard red sandy clay	21	373	
Thin streaks of rock and sand	2	375	
Fine sand	20	395	
Fine sand and thin streak of red and white clay	17	412	
Fine sand and wood with streak of red clay	35	447	
Fine to medium coarse clean sand	27	474	
Gray clay and wood	6	480	
Very fine sand	13	493	
White clayey sand	19	512	
Hard green clay	6	518	
Rock	1	519	
Medium hard green clay	12	531	
Rock	4	535	
Well AA-AD 87 (Altitude: 70 feet, Depth: 249 feet) (See Hansen, 1968)			D
Well AA-AE 4 (Altitude: 22 feet, Depth: 195 feet) (See Brookhard, 1949)			D
Well AA-AE 5 (Altitude: 15 feet, Depth: 189 feet) (See Brookhart, 1949)			D
Well AA-AE 11 (Altitude: 17 feet, Depth: 75 feet) (See Brookhart, 1949)			D
Well AA-AE 12 (Altitude: 0 feet, Depth: 38.5 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-AE 13 (Altitude: 0 feet, Depth: 39 feet) (See Brookhart, 1949)			D
Well AA-AE 14 (Altitude: 0 feet, Depth: 52 feet) (See Brookhart, 1949)			D
Well AA-AE 15 (Altitude: 0 feet, Depth: 51.5 feet) (See Brookhart, 1949)			D
Well AA-AE 16 (Altitude: 0 feet, Depth: 40 feet) (See Brookhart, 1949)			D
Well AA-AE 18 (Altitude: 20 feet, Depth: 190 feet) (See Brookhart, 1949)			D
Well AA-AE 19 (Altitude: 20 feet, Depth: 194 feet) (See Brookhart, 1949)			D
Well AA-AE 20 (Altitude: 20 feet, Depth: 400 feet) (See Brookhart, 1949)			D
Well AA-AE 26 (Altitude: 10 feet, Depth: 55 feet) (See Brookhart, 1949)			D
Well AA-AE 27 (Altitude: 10 feet, Depth: 54 feet) (See Brookhart, 1949)			D
Well AA-AE 28 (Altitude: 10 feet, Depth: 238 feet) (See Brookhart, 1949)			D
Well AA-AE 34 (Altitude: 50 feet)			D
Tan Sand	5	5	
Small layers of sand stone mixed with tan sand	5	10	
Yellow clay	5	15	
White clay	13	28	
White clay and white sand	7	35	
Fine white sand	18	53	
White Clay	5	58	
Coarse sand and small gravel	12	70	
White clay	2	72	
Fine white sand mixed with white clay	13	85	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Medium coarse white sand	7	92	
White clay	6	98	
Sand stone	1	99	
White clay	3	102	
Red clay	10	112	
White clay and red clay	48	160	
Medium coarse tan sand	7	167	
White sand and clay mixed	25	192	
Fine white sand	15	207	
Sand stone	1	208	
Coarse tan sand	4	212	
Well AA-AE 35 (Altitude: 30 feet, Depth: 567 feet) (See Hansen, 1968)			D
Well AA-BB 5 (Altitude: 115 feet, Depth: 199 feet) (See Brookhart, 1949)			D
Well AA-BB 5 (Altitude: 115 feet, Depth: 190 feet) (See Otton, 1955)			G
Well AA-BB 19 (Altitude: 170 feet, Depth: 72 feet) (See Brookhart, 1949)			D
Well AA-BB 20 (Altitude: 210 feet, Depth: 208 feet) (See Brookhart, 1949)			D
Well AA-BB 21 (Altitude: 180 feet, Depth: 160 feet) (See Brookhart, 1949)			D
Well AA-BB 22 (Altitude: 150 feet, Depth: 60.5 feet) (See Brookhart, 1949)			D
Well AA-BB 26 (Altitude: 290 feet, Depth: 188 feet) (See Otton, 1955)			D
Well AA-BB 65 (Altitude: 240 feet, Depth: 184 feet) (See Hansen, 1968)			D
Well AA-BB 71 (Altitude: 290 feet)			D
Gravel and clay	20	20	
Gray clay	8	28	
Red clay	27	55	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Blue clay	45	100	
Rock	6	106	
Layers of clay and sand	14	120	
Red clay	42	162	
Sand mixed with clay	40	202	
Red clay	38	240	
Hard shale	10	250	
Blue clay	36	286	
Layers and rock and sand	9	295	
Shale	15	310	
Well AA-BC 1 (Altitude: 120 feet, Depth: 174.5 feet) (See Brookhart, 1949)			D
Well AA-BC 11 (Altitude: 170 feet, Depth: 127 feet) (See Brookhart, 1949)			D
Well AA-BC 21 (Altitude: 170 feet, Depth: 96 feet) (See Brookhart, 1949)			D
Well AA-BC 28 (Altitude: 200 feet, Depth: 210.5 feet) (See Brookhart, 1949)			D
Well AA-BC 30 (Altitude: 180 feet, Depth: 148 feet) (See Brookhart, 1949)			D
Well AA-BC 31 (Altitude: 145 feet, Depth: 91 feet) (See Brookhart, 1949)			D
Well AA-BC 40 (Altitude: 120 feet, Depth: 171 feet) (See Otton, 1955)			D
Well AA-BC 40 (Altitude: 165 feet, Depth: 163 feet) (See Otton, 1955)			G
Well AA-BC 160 (Altitude: 80 feet)			D
Brown sandy clay	3	3	
Fine gray sand	3	6	
Hard gray clay	19	25	
Hard red and white clay - drills rough	10	35	
Medium fine brown sand with thin layers of white clay	10	45	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Medium fine brown sand (flowing won't wash)	20	65	
Medium fine brown sand (flowing won't wash)	20	85	
Medium coarse brown sand (washed)	20	105	
Medium coarse brown sand, hard streaks. Thin streak of rock. (Trouble with gravel - mixed heavy mud washed out gravel and rock sample together)	19	124	
Coarse sand and large gravel - thin layers of clay	13	137	
Layers of coarse sand and large gravel and red and white clay approximately 1" to 18" of each	8	145	
Medium to fine sand, thin layer of clay at 160	20	165	
Thin streak of clay (3") at 165'. Medium to fine sand	6	171	
Hard red and white clay. Softened up some at 177	11	182	
Medium hard red sandy clay. Thin streak of gravel at 182.	3	185	
Medium hard red and white clay (making mud)	34	219	
Hard red clay making mud (no sample)	21	240	
Fine sand with thin layers of clay	4	244	
Medium to fine brown sand	9	253	
Hard sandy clay - red (no sample)	5	258	
Medium to fine brown sand. Thin streak of hard clay at 263' and 266'	12	270	
Fine brown sand with steaks of clay from 6" to 2' thick	16	286	
Sandy white clay, streaks of sand	9	295	
Medium coarse brown sand	11	306	
Hard clay few rough streaks (no sample)	12	318	
Fine brown sand	8	326	
Medium hard sandy clay (making mud - no sample)	5	331	
Fine brown sand	17	348	
Very fine silty sand, traces wood (drill slow)	18	366	
Fine muddy sand. Drills fast and smoother	20	386	
Fine muddy sand. Thin rough streaks like clean sand	20	406	
Medium to fine muddy sand. Drills medium slow and rough	20	426	
Medium to fine muddy sand. Slow and rough drilling	14	440	
Gray clay streak of wood at 446	9	449	
Rock	.5	449.5	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Hard brown and red clay - streaks of wood	28.5	478	
Medium hard gray clay - streaks of wood	23	501	
Medium to coarse dirty brown sand. Thin layers of clay	26	527	
Medium soft clay with thin layers of sand (green clay dry)	18	545	
Hard mixed colored clay, red, pink, white, gray	22	567	
Hard mixed colored clay, some wood	8	575	
Medium hard gray clay with steaks of fine sand, traces wood	12	587	
Fine muddy sand and wood. Drills rough	14	601	
Gray clay with streaks of wood	17	618	
Fine sand to small gravel. 2' of clay (634-636) then 4' more sand and 2'clay then 8'of sand. Seems to be dirty. Drills slow and rough	30	648	
Fine sand to coarse gravel. Thin layers of clay. Slow and rough drilling, seems to be bound together with clay. Traces of wood.	18	666	
Medium hard gray clay made mud (no sample)	12	678	
Very rough drilling. Have to hold back, locks rods. Returns look like crushed setica gravel.	6	684	
Clay, gray to green black specks, some traces mica	14	698	
Rock granite - weathered	2.5	700.5	
Cut with core barrel. Recovered approximately 6" of core	2	702.5	
Well AA-BC 161 (Altitude: 85 feet, Depth: 458 feet) (See Hansen, 1968)			D
Well AA-BC 166 (Altitude: 125 feet)			D
Sand	10	10	
Sand and clay	6	16	
Sand	19	35	
Red and white clays	80	115	
White sand	9	124	
Red and white clay	7	131	
Medium sand	43	174	
Rock and clay streak	16.5	190.5	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Sand and clay streaks	36.5	227	
Coarse white sand	30	257	
Rock	.5	257.5	
Red clay, tough	64.5	322	
Sand	6	328	
Mixed clays	55	383	
Rock	.6	383.6	
Sand, clay, wood	6.4	390	
Coarse sand	17	407	
Red clay, mixed	30	437	
Brown and white clays	26	463	
Very fine white and gray sand, tight; not good	42	505	
Medium sand, white	12	517	
Brown and red clay, tough	40	557	
Clay and free sand streaks	8	565	
Free medium fine sand	20	585	
Clay and sand streaks	29	614	
Free wood and clay	10	624	
Medium white sand	56	680	
Clay and wood	6	686	
Clay, free sand streaks, crusty	49	735	
Rock	-	735	
Well AA-BC 167 (Altitude: 140 feet)			D
Topsoil	1	1	
Coarse brown sand	9	10	
Soft yellow clay and sand	6	16	
Streaks clay and sand	12	28	
White clay (no sample)	14	42	
Coarse brown sand	21	63	
Coarse brown sand	10	73	
Coarse white sand	20	93	
White clay	6	99	
Medium hard red and white clay	23	122	
Soft red clay	43	165	
Rock ? (no sample)	2	167	
Medium hard gray clay	15	182	
Medium fine white sand	41	223	
White clay	3	226	
Fine white sand	12	238	
Coarse white sand	6	244	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
White clay	3	247	
Streaks white clay and fine sand	10	257	
Hard red and white clay	10	267	
Soft red and white clay	10	277	
Streaks fine sand and clay	21	298	
Streak of rock ?	.5	298.5	
Hard gray clay	16.5	315	
Hard Rock ?	1	316	
Medium hard gray clay	10	326	
Streaks of medium coarse sand and clay	60	386	
Light gray and white clay	3	389	
Fine sand and layers of white clay	23	412	
Well AA-BC 170 (Altitude: 265 feet)			D
Hard brown clay	6	6	
Hard red and brown clay	3	9	
Brown and white clay	3	12	
Streaks of sandrock and brown and white clay	2	14	
Medium brown sand	7	21	
Coarse brown sand	12	33	
Streaks of coarse brown sand and brown and white clay	6	39	
Hard white clay	13	52	
Medium coarse brown sand	11	63	
Yellow and white clay	5	68	
Coarse brown sand	11	79	
Streaks of white clay and brown sand	13	92	
Medium brown sand	9	101	
Coarse brown sand and sandrock	6	107	
Hard pink and white clay	7	114	
Hard red clay	12	126	
Hard red and white clay	2	128	
Hard brown clay	5	133	
White clay	12	145	
Streaks of fine sand and white clay	8	153	
Coarse white sand and small gravel	16	169	
Coarse white sand with small streaks of rock	15	184	
Hard red and white clay	15	199	
Hard mixed clay	9	208	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Hard brown clay	14	222	
Hard brown clay with small streaks of rock	32	254	
Medium hard rock	1	255	
Hard brown and white clay	16	271	
Hard mixed clay	5	276	
Soft mixed clay with streaks of fine sand	15	291	
Soft sandy white clay	22	313	
Gray clay	8	321	
Yellow and white clay	12	333	
Coarse sand and small gravel	16	349	
Streaks of rock and white clay	9	358	
Rock (no sample)	3	361	
Hard white clay	5	366	
Rock (no sample)	2	368	
Gray and white clay	6	374	
Very hard mixed clay	9	383	
Medium hard gray clay	7	390	
Medium hard gray, white and red clay	7	397	
Hard mixed clay	8	405	
Hard white clay	4	409	
Hard mixed clay	5	414	
Rock (no sample)	.5	414.5	
Hard mixed clay	6.5	421	
Hard dry mixed clay	7	428	
Hard mixed clay	10	438	
Gray clay	6	444	
Coarse sand with hard streaks	22	466	
Rock (no sample)	2	468	
Coarse brown sand and wood	7	475	
Streaks of gray clay and sand	17	492	
Fine tight sand	23	515	
Gray clay (no sample)	4	519	
Coarse gray sand and wood	30	549	
White clay (no sample)	3	552	
Green and white clay	29	581	
Rock	-	581	
Well AA-BC 183 (Altitude: 200 feet)			D
Topsoil	1	1	
Brown sand	12	13	
Hard white clay	21	34	
Coarse white sand	12	46	
Hard white and red clay	9	55	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Hard gray and white clay	5	60	
Hard red and white clay	13	73	
Brown sandrock	1.5	74.5	
Fine white sand	3.5	78	
Coarse white sand and gravel, (tested 1 GPM)	10	88	
Brown sandrock	6	94	
Coarse sand and gravel	6	100	
Hard red and gray clay	44	144	
Hard white and yellow clay	33	177	
Hard red clay	16	193	
Hard red and white clay	26	219	
Hard brown clay	30	249	
Hard red and white clay	50	299	
Hard blue clay	11	310	
Streaks of fine sand, wood and blue clay	15	325	
Coarse gray sand, water bearing	37	362	
Well AA-BD 1 (Altitude: 140 feet, Depth: 65 feet) (See Brookhart, 1949)			D
Well AA-BD 2 (Altitude: 90 feet, Depth: 91 feet) (See Brookhart, 1949)			D
Well AA-BD 5 (Altitude: 40 feet, Depth: 131 feet) (See Brookhart, 1949)			D
Well AA-BD 8 (Altitude: 10 feet, Depth: 81 feet) (See Brookhart, 1949)			D
Well AA-BD 20 (Altitude: 70 feet, Depth: 75 feet) (See Brookhart, 1949)			D
Well AA-BD 23 (Altitude: 30 feet, Depth: 617 feet) (See Brookhart, 1949)			D
Well AA-BD 23 (Altitude: 30 feet, Depth: 617 feet) (See Brookhart, 1949)			G
Well AA-BD 24 (Altitude: 85 feet, Depth: 120 feet) (See Brookhart, 1949)			D
Well AA-BD 25 (Altitude: 85 feet, Depth: 76 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-BD 26	(Altitude: 115 feet, Depth: 73 feet) (See Brookhart, 1949)			D
Well AA-BD 27	(Altitude: 120 feet, Depth: 105 feet) (See Brookhart, 1949)			D
Well AA-BD 28	(Altitude: 140 feet, Depth: 68 feet) (See Brookhart, 1949)			D
Well AA-BD 98	(Altitude: 75 feet, Depth: 625 feet) (See Hansen, 1968)			D
Well AA-BE 4	(Altitude: 50 feet, Depth: 125 feet) (See Brookhart, 1949)			D
Well AA-BE 6	(Altitude: 40 feet, Depth: 145 feet) (See Brookhart, 1949)			D
Well AA-BE 7	(Altitude: 20 feet, Depth: 99 feet) (See Brookhart, 1949)			D
Well AA-BE 8	(Altitude: 20 feet, Depth: 157 feet) (See Brookhart, 1949)			D
Well AA-BE 9	(Altitude: 20 feet, Depth: 146 feet) (See Brookhart, 1949)			D
Well AA-BE 10	(Altitude: 20 feet, Depth: 90 feet) (See Brookhart, 1949)			D
Well AA-BE 11	(Altitude: 50 feet, Depth: 96 feet) (See Brookhart, 1949)			D
Well AA-BE 11	(Altitude: 50 feet, Depth: 96 feet) (See Otton, 1955)			G
Well AA-BE 19	(Altitude: 10 feet, Depth: 42 feet) (See Brookhart, 1949)			D
Well AA-BE 35	(Altitude: 23 feet, Depth: 100 feet) (See Brookhart, 1949)			D
Well AA-BE 44	(Altitude: 45 feet, Depth: 98 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-BE 47	(Altitude: 20 feet, Depth: 147 feet) (See Brookhart, 1949)			D
Well AA-BE 48	(Altitude: 23 feet, Depth: 254 feet) (See Brookhart, 1949)			D
Well AA-BE 50	(Altitude: 25 feet, Depth: 97 feet) (See Brookhart, 1949)			D
Well AA-BE 51	(Altitude: 20 feet, Depth: 57 feet) (See Brookhart, 1949)			D
Well AA-BE 52	(Altitude: 20 feet, Depth: 158 feet) (See Brookhart, 1949)			D
Well AA-BE 53	(Altitude: 100 feet, Depth: 145 feet) (See Brookhart, 1949)			D
Well AA-BE 55	(Altitude: 70 feet, Depth: 63 feet) (See Brookhart, 1949)			D
Well AA-BE 56	(Altitude: 115 feet, Depth: 108 feet) (See Brookhart, 1949)			D
Well AA-BE 57	(Altitude: 65 feet, Depth: 128 feet) (See Brookhart, 1949)			D
Well AA-BE 58	(Altitude: 160 feet, Depth: 494 feet) (See Brookhart, 1949)			D
Well AA-BF 2	(Altitude: 10 feet, Depth: 360 feet) (See Brookhart, 1949)			D
Well AA-BF 6	(Altitude: 10 feet, Depth: 276 feet) (See Brookhart, 1949)			D
Well AA-BF 10	(Altitude: 10 feet, Depth: 431 feet) (See Brookhart, 1949)			D
Well AA-BF 13	(Altitude: 5 feet, Depth: 56 feet) (See Brookhart, 1949)			D
Well AA-BF 18	(Altitude: 2 feet, Depth: 85 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-BF 19 (Altitude: 15 feet, Depth: 56 feet) (See Brookhart, 1949)			D
Well AA-BF 20 (Altitude: 15 feet, Depth: 164 feet) (See Otton, 1955)			D
Well AA-BF 45 (Altitude: 85 feet)			D
Medium coarse brown sand	3	3	
White clay	27	30	
Medium coarse brown sand	10	40	
Coarse brown sand	10	50	
White clay	3	53	
Coarse white and brown sand	15	68	
Fine white sand	11	79	
White clay and white sand	16	95	
Fine white sand	5	100	
Medium coarse white sand and clay	5	105	
White clay	21	126	
Medium fine white sand	9	135	
White clay and white sand	3	138	
Medium fine white sand	9	147	
White clay	4	151	
Medium coarse brown sand	15	166	
White clay	1	167	
Medium coarse brown and white sand	11	178	
White clay	1	179	
Coarse brown sand	14	193	
White clay	3	196	
White sand and white clay	5	201	
Brown sand and gravel	26	227	
Well AA-BF 49 (Altitude: 50 feet, Depth: 661 feet) (See Hansen, 1968)			D
Well AA-CB 2 (Altitude: 170 feet, Depth: 659 feet) (See Hansen, 1968)			D
Well AA-CC 6 (Altitude: 140 feet, Depth: 171 feet) (See Brookhart, 1949)			D
Well AA-CC 6 (Altitude: 140 feet, Depth: 171 feet) (See Brookhart, 1949)			G

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-CC 20 (Altitude: 70 feet, Depth: 143 feet) (See Brookhart, 1949)			D
Well AA-CC 22 (Altitude: 120 feet, Depth: 166 feet) (See Brookhart, 1949)			D
Well AA-CC 23 (Altitude: 220 feet, Depth: 265 feet) (See Otton, 1955)			D
Well AA-CC 78 (Altitude: 178 feet, Depth: 916 feet) (See Hansen, 1968)			D
Well AA-CC 86 (Altitude: 53 feet, Depth: 1058 feet) (See Hansen, 1968)			D
Well AA-CC 104 (Altitude: 135 feet) (No driller's or geologist's log available.) (For driller's log of nearby well, see AA-CC 105.)			-
Well AA-CC 105 (Altitude: 130 feet)			D
Silty clay	12	12	
Black clay	63	75	
Coarse sand and gravel	79	154	
Coarse sand with clay streaks	36	190	
Red clay, some gravel	30	220	
Sandy clay	39	259	
Fine sand with streaks of clay	63	322	
Very hard blue clay	21	343	
Hard reddish clay with streaks of lignite	60	403	
Sandy blue clay	40	443	
Very hard clay	53	496	
Medium soft clay, some sand	10	506	
Hard clay	17	523	
Clay with streaks of fine sand	10	533	
Fine sand, streaks of clay	53	586	
Red clay	38	624	
Coarse sand, streaks of clay	127	751	
Hard red and white clay	27	778	
Rock	1	779	
Very hard red and white clay, streaks of lignite	149	928	
Sugar sand, thin streaks of clay	65	993	
Clay	34	1027	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Medium to coarse sand	59	1086	
Clay	24	1110	
Coarse sand and gravel	75	1185	
Hard packed sand, some gravel	29	1214	
Hard red clay	3	1217	
Hard packed fine sand streaked with formica	2	1219	
Fine sand with streaks of white and red clay	8	1227	
Very hard red and white clay	8	1235	
Very hard fine sand	7	1242	
Well AA-CC 108 (Altitude: 60 feet)			D
Coarse sand and gravel	30	30	
Blue clay	40	70	
White clay	15	85	
Red, white and blue clay	95	180	
Fine white sand	30	210	
Red clay	40	250	
Fine brown sand	62	312	
Red and blue clay	73	385	
Medium brown sand	19	404	
Well AA-CD 5 (Altitude: 100 feet, Depth: 142 feet) (See Brookhart, 1949)			D
Well AA-CD 5 (Altitude: 100 feet, Depth: 142 feet) (See Brookhart, 1949)			G
Well AA-CD 6 (Altitude: 180 feet, Depth: 153 feet) (See Brookhart, 1949)			D
Well AA-CD 7 (Altitude: 100 feet, Depth: 97 feet) (See Brookhart, 1949)			D
Well AA-CD 10 (Altitude: 137 feet, Depth: 668 feet) (See Brookhart, 1949)			D
Well AA-CD 11 (Altitude: 110 feet, Depth: 232 feet) (See Brookhart, 1949)			D
Well AA-CD 12 (Altitude: 110 feet, Depth: 219 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-CD 25 (Altitude: 80 feet, Depth: 126 feet) (See Brookhart, 1949)			D
Well AA-CD 26 (Altitude: 80 feet, Depth: 110 feet) (See Brookhart, 1949)			D
Well AA-CD 27 (Altitude: 170 feet, Depth: 68 feet) (See Brookhart, 1949)			D
Well AA-CD 28 (Altitude: 100 feet, Depth: 125 feet) (See Brookhart, 1949)			D
Well AA-CD 29 (Altitude: 150 feet, Depth: 95 feet) (See Brookhart, 1949)			D
Well AA-CD 33 (Altitude: 160 feet, Depth: 142 feet) (See Otton, 1955)			G
Well AA-CD 43 (Altitude: 130 feet, Depth: 494 feet) (See Hansen, 1968)			D
Well AA-CD 98 (Altitude: 65 feet)			D
Medium coarse brown sand	6	6	
Medium coarse white sand	14	20	
White sand and thin layers of white clay	4	24	
Medium coarse brown sand	8	32	
Streak of white clay	1	33	
Very coarse white sand	16	49	
Coarse white sand and small gravel	9	58	
Layer of white clay	1	59	
Medium coarse white sand	3	62	
White clay	3	65	
Very hard red and white clay	2	67	
Very hard red clay	8	75	
Hard red and white clay	8	83	
Very hard red clay	13	96	
Sand and thin layers of clay	6	102	
Coarse brown sand	15	117	
Hard white clay	10	127	
Gray clay and layers of sand	26	153	
Very hard rock	2	155	
Hard gray clay	39	194	
Medium coarse hard packed brown sand	10	204	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Hard white clay and layers of sand	8	212	
Very hard red clay	36	248	
Fine sand and layers of white clay	19	267	
Fine white sand	7	274	
Layers of sand and clay	3	277	
Coarse brown sand	9	286	
Hard white clay	3	289	
Clean coarse white sand (water bearing)	19	308	
Well AA-CE 4 (Altitude: 5 feet, Depth: 106 feet) (See Brookhart, 1949)			D
Well AA-CE 5 (Altitude: 65 feet, Depth: 92 feet) (See Brookhart, 1949)			D
Well AA-CE 6 (Altitude: 32 feet, Depth: 170 feet) (See Brookhart, 1949)			D
Well AA-CE 6 (Altitude: 32 feet, Depth: 170 feet) (See Brookhart, 1949)			G
Well AA-CE 50 (Altitude: 10 feet, Depth: 68 feet) (See Brookhart, 1949)			D
Well AA-CE 51 (Altitude: 40 feet, Depth: 60 feet) (See Brookhart, 1949)			D
Well AA-CE 52 (Altitude: 125 feet, Depth: 492.5 feet) (See Brookhart, 1949)			D
Well AA-CE 60 (Altitude: 80 feet, Depth: 243 feet) (See Otton, 1955)			D
Well AA-CE 68 (Altitude: 10 feet)			D
Swamp fill	12	12	
Brown sand	7	19	
Streaks of green clay and sand	3	22	
Sand and yellow clay	11	33	
Black and white sand	44	77	
Soft gray clay	3	80	
Coarse white sand	13	93	
Gray clay	15	108	
Coarse white sand and wood	4	112	
Brown clay and wood	8	120	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Streaks of brown clay, wood and white sand	10	130	
White sand and wood	12	142	
Streaks of brown clay, wood and white sand	8	150	
Coarse white sand and wood (water)	53	203	
Streaks of gray clay, wood, and white clay	8	211	
Medium coarse clean white sand	13	224	
White clay and small streaks of sand	7	231	
Medium white sand	4	235	
Streaks of white and yellow clay and brown sand	6	241	
Streaks of brown sand and red, yellow and white clay	8	249	
Fine brown sand	11	260	
Fine brown sand and pink and white clay	25	285	
Streaks of fine white sand and white clay	24	309	
Fine white sand and thin streaks of white clay	18	327	
Medium coarse brown sand with streaks of white clay	19	346	
Streaks of black and white sand and green clay	10	356	
Coarse brown sand	16	372	
Streaks of red and white clay and soft white rock	5	377	
Coarse brown sand and gravel	22	399	
White clay	2	401	
Coarse brown sand and small gravel (water)	15	416	
White clay	3	419	
Streaks of brown sand and red rock	5	424	
Streaks of sand and brown sandrock	23	447	
White and red clay	3	450	
Hard rock	2	452	
Red clay	2	454	
Red and white clay	28	482	
Hard brown clay	23	505	
Streaks of white clay and sand	25	530	
Hard brown rock	1	531	
Streaks of rock and gray clay	5	536	
Streaks of black and green clay and sand	18	554	
Rock	-	554	
Well AA-CE 80 (Altitude: 60 feet, Depth: 602 feet) (See Hansen, 1968)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-CE 116 (Altitude: 42 feet)			D
Yellow clay	9	9	
Coarse brown sand	8	17	
Coarse white sand	16	33	
Dark brown clay	7	40	
Coarse brown sand	5	45	
Medium hard white clay and few thin layers of sand	17	62	
Fine white sand	9	71	
Clay	3	74	
Fine white sand	9	83	
Medium coarse white sand	20	103	
Very coarse white sand	20	123	
Medium coarse white sand	17	140	
Medium coarse white sand and few thin layers of white clay	20	160	
Medium coarse sand with few hard spots	40	200	
Coarse brown sand	20	220	
Very coarse brown sand and small gravel	35	255	
Hard rock and layers of clay	4	259	
Coarse hard-packed sand	14	273	
White clay	19	292	
Coarse brown sand and small gravel	20	312	
Medium coarse brown sand	10	322	
Medium coarse brown sand	6	328	
Medium coarse brown sand and few hard spots	10	338	
Medium coarse brown sand	10	348	
Medium coarse brown sand	11	359	
Very hard red clay (no sample)	24	383	
Very hard red clay (no sample)	20	403	
Well AA-CF 1 (Altitude: 25 feet, Depth: 322 feet) (See Brookhart, 1949)			D
Well AA-CF 22 (Altitude: 25 feet, Depth: 379 feet) (See Otton, 1955)			G
Well AA-CF 61 (Altitude: 58 feet, Depth: 1008 feet) (See Hansen, 1968)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-CF 97 (Altitude: 70 feet)			D
Topsoil	1	1	
Brown sand	3	4	
Coarse yellow sand	14	18	
Dark brown sand	7	25	
Light green sand	5	30	
Light brown sand	50	80	
Fine green sand	47	127	
Gray clay	33	160	
Medium fine gray sand	15	175	
Fine white sand	10	185	
Coarse white sand	23	208	
Black clay	15	223	
Coarse white sand	17	240	
Red and white clay	8	248	
Coarse white sand, water bearing	28	276	
White clay	2	278	
Well AA-CF 100 (Altitude: 94 feet, Depth: 410 feet) (See Mack, 1974)			G
Well AA-CF 108 (Altitude: 130 feet)			D
Red sandy clay	6	6	
Dark brown silty sand	15	21	
Black silty sand	24	45	
Yellowish mealy sand	17	62	
Silty salt and pepper sand	44	106	
Fine white sand and black specks	19	125	
Silty grayish sand	34	159	
Black clay	1	160	
Medium coarse brown sand	19	179	
Hard black clay	4	183	
Medium coarse white sand and wood mixed	57	240	
Gray clay	4	244	
Fine white sand and mica	8	252	
Medium hard gray clay	10	262	
Medium coarse white sand	5	267	
White clay	6	273	
Sandy white clay and thin layers of wood	16	289	
Fine white sand	10	299	
White and red clay	9	308	
Very coarse white sand	12	320	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Very hard white clay and layers of sand	10	330	
Medium coarse brown sand and black specks	39	369	
Medium coarse brown sand and black specks	11	380	
Very hard gray clay and few thin layers of sand	23	403	
Fine brown sand	21	424	
Layers of clay and hard packed sand	17	441	
White clay	4	445	
Medium coarse brown sand	21	466	
Layer of clay	3	469	
Coarse brown sand	15.5	484.5	
Coarse brown sand and layers of pink and gray clay	15.5	500	
Clean coarse brown sand	20	520	
Pink and white clay	4	524	
Coarse hard packed brown sand with hard spots	27	551	
Very hard rock (no sample)	-	551	
Well AA-CG 8 (Altitude: 19 feet, Depth: 290 feet) (See Otton, 1955)			G
Well AA-CG 18 (Altitude: 8 feet, Depth: 545 feet) (See Hansen, 1968)			D
Well AA-DC 5 (Altitude: 165 feet, Depth: 263 feet) (See Brookhart, 1949)			D
Well AA-DC 7 (Altitude: 119 feet, Depth: 185 feet) (See Otton, 1955)			G
Well AA-DC 13 (Altitude: 123 feet)			D
Fine sand, some clay	10	10	
Sand and gravel	20	30	
Sandy clay	10	40	
Yellow sandy clay	15	55	
Blue marl	30	85	
Blue marl with thin sand rock	10	95	
Blue marl	50	145	
Pink clay, rock, and dry sand	10	155	
Sand, fine, wood, clay, water-bearing	2	157	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Green sand with clay, some water, not good	10	167	
Green sandy clay	3	170	
Coarse gray sand mixed with white and gray clay; sand very mucky; water not suitable for screening; water level 93 ft	5	175	
Small gravel mixed with fine sand	5	180	
Gravel case-hardened, thin streaks of sand	10	190	
Sand and gravel with hard places	10	200	
Coarse gray sand with some water	2	202	
Sand, coarse, white, and gray, some water; drying in air causes sand to cake	2	204	
Fine brown and white sand, some water; sand turns yellow when dry	11	215	
White clay, very sticky	11	226	
Sand, brown and gray; first 4 ft very fine	10	236	
Sand, brown and gray, coarse and fine mixed; two layers of white clay, each 4" thick, were struck in this 10-ft section of log	10	246	
Sand, brown and gray, coarse; one layer of white clay 16" thick between sand layers	10	256	
Sand, coarse, brown and gray, coarsest toward bottom	14	270	
White, tough sticky clay	8	278	
Bottom of hole	-	278	
Well AA-DD 17 (Altitude: 40 feet, Depth: 78 feet) (See Brookhart, 1949)			D
Well AA-DD 24 (Altitude: 164 feet)			D
Surface	2	2	
Brown clay	30	32	
Dark brown loam	32	64	
Black loam	21	85	
Water-bearing sand	7	92	
Dark brown loam	105	197	
Blue clay	30	227	
White water-bearing sand	8	235	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-DD 36 (Altitude: 145 feet, Depth: 351 feet) (See Hansen, 1968)			D
Well AA-DD 41 (Altitude: 106 feet, Depth: 505 feet) (See Mack, 1974)			G
Well AA-DD 43 (Altitude: 105 feet)			D
Topsoil	5	5	
Sand	13	18	
Gravel	2	20	
Brown sand	40	60	
Fine sand	70	130	
Fine sand, black marl and wood streaks	30	160	
Clay streaks and fine gray sand	20	180	
Fine gray sand; some wood	15	195	
Medium sand	12	207	
Clay and sand streaks	13	220	
Medium sand	35	255	
Coarse sand	17	272	
Clay	2	274	
Sand	10	284	
Clay, streaked with sand	6	290	
Clay and sand in layers	10	300	
Clay and sand	52	352	
Coarse sand with white clay	11	363	
Streaks of sand, with less amount of clay	13	376	
Sand with clay streaks	119	495	
Red clay	13	508	
Well AA-DE 3 (Altitude: 40 feet, Depth: 244 feet) (See Brookhart, 1949			D
Well AA-DE 44 (Altitude: 20 feet, Depth: 793 feet) (See Brookhart, 1949)			D
Well AA-DE 45 (Altitude: 20 feet, Depth: 230 feet) (See Otton, 1955)			G
Well AA-DE 46 (Altitude: 20 feet, Depth: 300 feet) (See Brookhart, 1949)			D
Well AA-DE 47 (Altitude: 20 feet, Depth: 258 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-DE 69 (Altitude: 65 feet)			D
Fine brown sand and white clay	18	18	
Sandstone	2	20	
Pink clay	10	30	
Gravel	2	32	
Yellow clay	28	60	
Green clay	8	68	
Sandstone	2	70	
Fine brown sand	2	72	
Brown clay	4	76	
Medium sand and clay	12	88	
Medium brown sand and clay	25	113	
Medium black and white sand	17	130	
Green clay and sand	2	132	
Green clay	18	150	
Soft black mud	13	163	
Rock	1	164	
Black mud and sand	26	190	
Medium black and white sand	9	199	
Gray shale	1	200	
Medium gray sand and black mud	22	222	
Soft shale	12	234	
Black mud, wood and coarse gray sand	26	260	
Black mud	7	267	
Coarse gray sand	5	272	
Black mud and sand	16	288	
Black mud and sand	5	293	
Coarse gray sand	6	299	
White clay	2	301	
Coarse gray sand	6	307	
White clay	3	310	
Coarse gray sand	15	325	
Well AA-DE 91 (Altitude: 70 feet, Depth: 229 feet) (See Hansen, 1968)			D
Well AA-DE 92 (Altitude: 120 feet, Depth: 1054 feet) (See Hansen, 1968)			D
Well AA-DE 100 (Altitude: 41 feet, Depth: 436 feet) (See Mack, 1974)			G

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-DE 101	(Altitude: 50 feet, Depth: 534 feet) (See Mack, 1974)			D
Well AA-DF 2	(Altitude: 10 feet, Depth: 601 feet) (See Brookhart, 1949)			D
Well AA-DF 3	(Altitude: 13 feet, Depth: 602 feet) (See Brookhart, 1949)			D
Well AA-DF 4	(Altitude: 10 feet, Depth: 602.7 feet) (See Brookhart, 1949)			D
Well AA-DF 7	(Altitude: 10 feet, Depth: 585.5 feet) (See Brookhart, 1949)			D
Well AA-DF 8	(Altitude: 10 feet, Depth: 588 feet) (See Brookhart, 1949)			D
Well AA-DF 9	(Altitude: 9 feet, Depth: 306.5 feet) (See Brookhart, 1949)			D
Well AA-DF 10	(Altitude: 10 feet, Depth: 350 feet) (See Brookhart, 1949)			D
Well AA-DF 11	(Altitude: 10 feet, Depth: 588 feet) (See Brookhart, 1949)			D
Well AA-DF 13	(Altitude: 14 feet, Depth: 606.1 feet) (See Brookhart, 1949)			D
Well AA-DF 16	(Altitude: 10 feet, Depth: 597 feet) (See Brookhart, 1949)			D
Well AA-DF 19	(Altitude: 13 feet, Depth: 626.5 feet) (See Brookhart, 1949)			D
Well AA-DF 20	(Altitude: 23 feet, Depth: 680 feet) (See Brookhart, 1949)			D
Well AA-DF 29	(Altitude: 55 feet, Depth: 70 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

		Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-DF 30	(Altitude: 25 feet, Depth: 92 feet) (See Brookhart, 1949)			D
Well AA-DF 31	(Altitude: 20 feet, Depth: 70 feet) (See Brookhart, 1949)			D
Well AA-DF 32	(Altitude: 20 feet, Depth: 65 feet) (See Brookhart, 1949)			D
Well AA-DF 33	(Altitude: 20 feet, Depth: 100 feet) (See Brookhart, 1949)			D
Well AA-DF 34	(Altitude: 15 feet, Depth: 100 feet) (See Brookhart, 1949)			D
Well AA-DF 35	(Altitude: 20 feet, Depth: 100 feet) (See Brookhart, 1949)			D
Well AA-DF 36	(Altitude: 30 feet, Depth: 75 feet) (See Brookhart, 1949)			D
Well AA-DF 37	(Altitude: 25 feet, Depth: 100 feet) (See Brookhart, 1949)			D
Well AA-DF 38	(Altitude: 15 feet, Depth: 95 feet) (See Brookhart, 1949)			D
Well AA-DF 39	(Altitude: 15 feet, Depth: 90 feet) (See Brookhart, 1949)			D
Well AA-DF 40	(Altitude: 10 feet, Depth: 73 feet) (See Brookhart, 1949)			D
Well AA-DF 59	(Altitude: 36 feet, Depth: 1000 feet) (See Brookhart, 1949)			D
Well AA-DF 79	(Altitude: 5 feet, Depth: 710 feet) (See Hansen, 1968)			D
Well AA-DF 89	(Altitude: 15 feet)			D
	Sandy brown clay	3	3	
	Black and white sand	5	8	
	Brown sand	15	23	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Brown sand and brown rock	4	27	
Streaks of brown sand, rock, and brown clay	13	40	
Black and white sand with streaks of black clay	15	55	
Sandy black clay	25	80	
Rock	1	81	
Streaks of gray sand and black clay	20	101	
Sandy black clay	15	116	
Soft black sandy clay	23	139	
Soft black sandy clay with streaks of rock	36	175	
Medium hard black clay	12	187	
Streaks of black clay and sand	11	198	
Coarse gr ay sand and wood	20	218	
Coarse gray sand and wood	35	253	
Streaks of sand and gray clay	16	269	
Medium coarse gray sand and wood	20	289	
Coarse gray sand and wood	27	316	
Rock (no sample)	1	317	
Red clay (no sample)	4	321	
Soft gray clay	14	335	
Hard gray clay with sandy streaks	23	358	
Hard red clay with streaks of rock	17	375	
Streaks of red and white clay and sand	14	389	
Hard mixed clay	13	402	
Soft gray clay with streaks of red and white clay	16	418	
Red and white clay with streaks of rock	10	428	
Hard red, white and gray clay	8	436	
Red and white clay with streaks of rock	9	445	
Coarse sand and rock	5	450	
Red, yellow and brown clay	6	456	
Streaks of sand and clay	12	468	
Streaks of rock and sand	29	497	
Medium coarse brown sand with streaks of rock	24	521	
Brown rock	4	525	
Streaks of rock and sand	12	537	
Streaks of white clay and sand	22	559	
Medium hard rock	7	566	
Very hard rock	-	566	
Well AA-DF 90 (Altitude: 6 feet, Depth: 510 feet) (See Mack, 1974)			G

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-DF 90 (Altitude: 5 feet)			D
Topsoil	1	1	
Fine-medium grain sand with pepper sand	17	18	
Fine-coarse brown sand with shell	9	27	
Fine to medium brown sand with 10% pepper sand and iron ore	20	47	
Fine-medium brown sand with 10% pepper sand with hard layers	10	57	
Fine-medium gray sand with 2% shell	23	80	
Fine-coarse gray sand with shell	23	103	
Fine-medium grain sand with 30% pepper sand	18	121	
Fine-medium grain sand with 75% pepper sand	13	134	
Fine-medium grain sand with 50% pepper sand with 2% clay with 1% shell	12	146	
Sand layers and clay layers	13	159	
Fine-medium grain sand with 35% pepper sand with 1% brown clay	34	193	
Hard layers	2	195	
Fine sand with 60% brown clay with 2% shell	14	209	
Gray clay	13	222	
Gray clay and fine sand	34	256	
Hard layer	3.8	259.8	
Rock	.2	260	
Hard clay layers	6	266	
Fine sand and gray clay	22	288	
Fine to coarse gray sand; 1% clay and wood	24	312	
Fine to coarse gray sand; 1% clay	11	323	
Hard layer	1	324	
Brown hard clay	12	336	
Hard layer	1	337	
Clay with 3% fine sand	19	356	
Fine to medium gray sand layers and clay layers	20	376	
Fine to coarse gray sand	5	381	
White and gray clay layers	11	392	
Fine to coarse gray sand with white clay layers	13	405	
Fine to coarse gray sand	43	448	
White clay with 2% sand	42	490	
Red clay with white clay layers	23	513	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-EC 8 (Altitude: 55 feet)			D
Top layer	20	20	
Clay	15	35	
Marl	185	220	
Clay	10	230	
Sand	50	280	
Aquifer	25	305	
Well AA-ED 16 (Altitude: 150 feet, Depth: 190 feet) (See Brookhart, 1949)			D
Well AA-ED 16 (Altitude: 150 feet, Depth: 190 feet) (See Brookhart, 1949)			G
Well AA-ED 17 (Altitude: 165 feet, Depth: 220 feet) (See Otton, 1955)			G
Well AA-ED 19 (Altitude: 165 feet, Depth: 455 feet) (See Otton, 1955)			G
Well AA-ED 21 (Altitude: 170 feet, Depth: 271 feet) (See Otton, 1955)			D
Well AA-ED 24 (Altitude: 140 feet)			D
Sandy clay	20	20	
Blue clay	10	30	
Marl	20	50	
Gray clay	10	60	
Brown clay	30	90	
Marl	140	230	
Black Clay	70	300	
Water sand	10	310	
Well AA-ED 39 (Altitude: 175 feet)			D
Brown and white sandy clay	15	15	
Gray clay	6	21	
Gray clay with shell	7	28	
Black clay	22	50	
Soft gray clay	4	54	
Black sandy clay	5	59	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Gray sandy clay	8	67	
Streaks of hard shell and gray clay	8	75	
Black sandy clay	21	96	
Green clay	10	106	
Green clay	5	111	
Black sand with pea gravel and gray clay	20	131	
Black sand with pea gravel and gray clay	18	149	
Gray clay	7	156	
Medium coarse gray sand with streaks of gray clay	14	170	
Black clay with streaks of sand	8	178	
Gray clay	8	186	
Brown clay	20	206	
Brown clay	6	212	
Very soft black sandy clay	16	228	
Hard limestone with soft streaks of shell	6	234	
Green sandy clay	8	242	
Mealy green and black sand	20	262	
Mealy black and white sand	19	281	
Streaks of green sand and limestone	20	301	
Streaks of green sand and limestone	15	316	
Fine black sand and black clay	20	336	
Fine black sand and black clay	16	352	
Streaks of limestone and black clay	11	363	
Soft black sandy clay	16	379	
Hard limestone	.5	379.5	
Soft black sandy clay	16.5	396	
Medium hard limestone	3	399	
Gray clay (no sample)	7	406	
Black sandy clay	20	426	
Black sandy clay	13	439	
Black clay	10	449	
Coarse gray sand and wood, water bearing	12	461	
Black clay	2	463	
Coarse gray sand and wood, water bearing	17	480	
Hard gray, white, and brown clay	17	497	
Well AA-ED 43 (Altitude: 145 feet)			D
Brown sand	4	4	
Coarse gravel and brown clay	6	10	
Brown clay	10	20	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Fine sand	15	35	
Black mud	105	140	
Rock	5	145	
Black mud	50	195	
Fine gray sand	13	208	
Blue clay	82	290	
Fine sand mixed with clay	30	320	
Black mud mixed with thin layers of sand	120	440	
Blue clay	30	470	
Coarse gray sand	31	501	
Well AA-EE 3 (Altitude: 20 feet, Depth: 110 feet) (See Brookhart, 1949)			D
Well AA-EE 4 (Altitude: 40 feet, Depth: 140 feet) (See Brookhart, 1949)			D
Well AA-EE 15 (Altitude: 40 feet, Depth: 107 feet) (See Brookhart, 1949)			D
Well AA-EE 21 (Altitude: 10 feet, Depth: 95 feet) (See Brookhart, 1949)			D
Well AA-EE 34 (Altitude: 10 feet, Depth: 160 feet) (See Brookhart, 1949)			D
Well AA-EE 35 (Altitude: 5 feet, Depth: 160 feet) (See Brookhart, 1949)			D
Well AA-EE 36 (Altitude: 5 feet, Depth: 140 feet) (See Brookhart, 1949)			D
Well AA-EE 38 (Altitude: 110 feet, Depth: 180 feet) (See Brookhart, 1949)			D
Well AA-EE 39 (Altitude: 10 feet, Depth: 160 feet) (See Brookhart, 1949)			D
Well AA-EE 60 (Altitude: 10 feet)			D
Topsoil	1	1	
Yellow and white clay	5	6	
Brown clay	4	10	
Fine brown sand	8	18	
Fine black and white sand	33	51	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Green sand and clay	14	65	
Fine white and black sand	30	95	
Soft gray clay	4	99	
Hard red clay	10	109	
Fine black and white sand	41	150	
Green rock	6	156	
Fine black and white sand	4	160	
Medium coarse black and white sand	10	170	
Hard sand and shellrock	36	206	
Rock and fine sand	10	216	
Medium coarse white and yellow sand	10	226	
Fine sand and shellrock	4	230	
Fine black and white sand	29	259	
Fine black and white sand and clay and shellrock	4	263	
Shellrock, medium coarse sand	27	290	
Fine black and white sand and clay	10	300	
Well AA-FC 6 (Altitude: 45 feet, Depth: 105 feet) (See Brookhart, 1949)			D
Well AA-FC 7 (Altitude: 30 feet, Depth: 125 feet) (See Brookhart, 1949)			D
Well AA-FC 8 (Altitude: 45 feet, Depth: 110 feet) (See Otton, 1955)			D
Well AA-FC 12 (Altitude: 85 feet)			D
Topsoil	3	3	
Gray clay	10	13	
Coarse sand and small gravel	11	24	
Blue mud and fine black sand	3	27	
Gray and brown clay	11	38	
Blue mud and black sand	1	39	
Gray clay	7	46	
Gray clay mixed with gravel	28	74	
Gray clay	28	102	
Pink clay	34	136	
Blue clay and fine black sand	9	145	
Sand rock	3	148	
Blue clay and fine black sand	9	157	
Sand rock	1	158	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Blue mud and fine black sand	4	162	
Fine black sand with layers of sandstone	4	166	
Blue clay and fine black sand	13	179	
Small layers of rock	4	183	
Blue clay and fine black sand	90	273	
Sand rock	1	274	
Black mud and silt	47	321	
Sand rock	1	322	
Black mud	32	354	
Coarse blue sand and small gravel	23	377	
Well AA-FD 13 (Altitude: 175 feet, Depth: 585 feet) (See Brookhart, 1949)			D
Well AA-FC 23 (Altitude: 60 feet)			D
Brown sandy clay	5	5	
White sandy clay	7	12	
Brown sandy clay	13	25	
Sandy marl	50	75	
Marl and shells	85	160	
Brown clay	15	175	
Marl, shells and rock streaks	75	250	
Sandy marl and shells	13	263	
Sand and shells mixed with thin sand layer	12	275	
Medium sand and shells	13	288	
Sandy clay	12	300	
Sandy marl and shells	55	355	
Black sandy clay	80	435	
Coarse sand	17	452	
Medium to coarse sand	16	468	
Well AA-FD 13 (Altitude: 175 feet, Depth: 585 feet) (See Brookhart, 1949)			D
Well AA-FD 13 (Altitude: 175 feet, Depth: 585 feet) (See Brookhart, 1949)			G

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-FD 22 (Altitude: 205 feet)			D
Brown and yellow clay	20	20	
Black mud and white clay	140	160	
Rock	2	162	
Black sand and mud	52	214	
Green clay and sand	31	245	
Medium coarse black sand	8	253	
Black mud	7	260	
Red clay	20	280	
Black mud	22	302	
Rock	2	304	
Clay	10	314	
Shale	6	320	
Clay and rock	16	336	
Clay and sandstone	31	367	
Fine sand and sandstone	53	420	
Black and green clay	10	430	
Medium coarse black and white sand	8	438	
Well AA-FD 26 (Altitude: 125 feet)			D
Clay	16	16	
Fine sand	16	32	
Sandy marl	104	136	
Heavy marl	94	230	
Fuller's earth	10	240	
Salt and pepper sand	60	300	
Well AA-FD 30 (Altitude: 145 feet)			D
Light brown clay	3	3	
Soft white clay	11	14	
Green soft clay and shell mixed	14	28	
Soft to hard dark green clay	18	46	
Fine white sand and layers of green clay	16	62	
Soft gray clay	63	125	
Thin layers of shellrock	1	126	
Black sand and streak of gray clay	14	140	
Soft gray clay mixed with black muddy sand	20	160	
Soft gray clay mixed with black muddy sand	40	200	
Soft gray clay mixed with black muddy sand	18	218	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Medium coarse green and white sand	18	236	
Streak of shellrock	1	237	
Fine black and white sand	17	254	
Green and white fine sand and continuous layers of rock	10	264	
Medium fine green and white sand and layers of shellrock	36	300	
Medium coarse black and white sand and layers of shellrock	10	310	
Medium coarse black and white sand and shellrock, water bearing	11	321	
Fine black and white sand	10	331	
Well AA-FD 41 (Altitude: 210 feet)			D
Brown clay and sand	15	15	
Gravel	3	18	
Brown and yellow clay	18	36	
Green clay	103	139	
Rock	1	140	
Green clay	34	174	
Rock	2	176	
Green clay and black mix	20	196	
Green clay and sands	32	228	
Green clay	44	272	
Red clay	25	297	
Green clay and black sand	30	327	
Rock	3	330	
Green clay	3	333	
Rock	4	337	
Green clay	11	348	
Rock	3	351	
Green clay	24	375	
Brown sand and clay	30	405	
Gray sand	8	413	
Well AA-FE 24 (Altitude: 10 feet, Depth: 210 feet) (See Brookhart, 1949)			D
Well AA-FE 25 (Altitude: 4 feet, Depth: 200 feet) (See Brookhart, 1949)			D

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Well AA-FE 26 (Altitude: 10 feet, Depth: 180 feet) (See Brookhart, 1949)			D
Well AA-FE 27 (Altitude: 5 feet, Depth: 210 feet) (See Brookhart, 1949)			D
Well AA-FE 28 (Altitude: 5 feet, Depth: 200 feet) (See Brookhart, 1949)			D
Well AA-FE 30 (Altitude: 5 feet, Depth: 150 feet) (See Otton, 1955)			G
Well AA-FE 46 (Altitude: 7 feet)			D
White and yellow clay	5	5	
Gray sand and clay	10	15	
Black sandy clay and streaks of sand	41	56	
Black sandy clay	18	74	
Coarse green sand	11	85	
Green sandy clay and shell	10	95	
Green sand and shell	21	116	
Streaks of black sand and limestone	7	123	
Limestone	7	130	
Streaks of limestone and sand	20	150	
Streaks of shell and sand	10	160	
Streaks of brown sand and limestone	11	171	
Medium fine brown sand and limestone	11	182	
Streaks of limestone and shell	28	210	
Brown sand and shell	11	221	
Fine black and white sand	16	237	
Streaks of black and white sand and black clay	10	247	
Streaks of soft black sandy clay and limestone	21	268	
Soft black sandy clay with streaks of sand	66	334	
Well AA-GD 5 (Altitude: 160 feet)			D
Brown and yellow clay	43	43	
Green clay	50	93	
Shells and gray sands	5	98	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Shells	57	155	
Green clay	182	337	
Red clay	12	349	
Dark green clay	16	365	
Gray Rock	1	366	
Green clay and black sands	6	372	
Gray rock	2	374	
Honeycomb rocks	44	418	
Yellowish green clay	10	428	
Well AA-GD 7 (Altitude: 145 feet)			D
Fine brown sand	10	10	
Gravel	12	22	
Gray clay	123	145	
Black sand	15	160	
Gray clay	45	205	
Black sand	85	290	
Rock	25	315	
Brown sand	10	325	
Rock and brown sand	25	350	
Well AA-GE 2 (Altitude: 5 feet, Depth: 314 feet) (See Brookhart, 1949)			D
Well AA-GE 2 (Altitude: 5 feet, Depth: 320 feet) (See Brookhart, 1949)			G
Well AA-GE 4 (Altitude: 60 feet, Depth: 354 feet) (See Brookhart, 1949)			D
Well AA-GE 4 (Altitude: 60 feet, Depth: 354 feet) (See Brookhart, 1949)			G
Well AA-GE 7 (Altitude: 10 feet, Depth: 310 feet) (See Otton, 1955)			D
Well AA-GE 10 (Altitude: 140 feet)			D
Brown clay	4	4	
Brown sands	5	9	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

Table 5. Selected logs of wells in Anne Arundel County--Continued

	Thickness (Ft)	Depth (Ft)	Log Type 1/
Brown clay	3	12	
White clay	26	38	
Green clay	3	41	
Shells	5	46	
Green clay	112	158	
Shells	8	166	
Green clay	26	192	
Green sands and green clay	70	262	
Green clay	75	337	
Red clay	9	346	
Green sands	16	362	
Rock	1	363	
Black and green sands	9	372	
Rock	1	373	
Brownish green sands	13	386	
Well AA-GE 13 (Altitude: 5 feet)			D
Brown clay	12	12	
Green clay	239	251	
Brown and white sand; crusty and rock with some clay	76	327	
Brown and white sand; crusty and rock with some clay	26	353	
Sandy clay	8	361	

1/ Log Type: D = Driller's log; G = Geologist's log from sample cuttings

TABLE 6. LIST OF U.S.GEOLOGICAL SURVEY OBSERVATION WELLS IN ANNE ARUNDEL COUNTY

AA-AC 11 *	AA-CC 84	AA-DC 13 *
	CC 93	DC 15 *
AA-AD 2	CC 95 *	DC 16 *
AD 10 *		
AD 24	AA-CD 8	AA-DD 24 *
AD 27	CD 10	DD 28
AD 29 *	CD 11	DD 29
AD 30	CD 12 *	DD 37 *
AD 48	CD 21	DD 40 *
AD 77	CD 46	DD 41 *
AD 88	CD 48 *	DD 42 *
	CD 78 *	DD 44 *
AA-AE 4	CD 79 *	
AE 25	CD 80 *	AA-DE 1 *
	CD 85 *	DE 75 *
AA-BB 17	CD 87 *	DE 95 *
BB 18	CD 92	DE 99 *
		DE 100 *
AA-BC 66	AA-CE 24	DE 101 *
BC 69	CE 49	DE 102 *
	CE 69 *	DE 103 *
AA-BD 84	CE 70 *	DE 107 *
BD 99 *	CE 97 *	DE 113 *
	CE 98 *	DE 117 *
AA-BE 13	CE 102 *	
BE 29	CE 103 *	AA-DF 14
BE 40	CE 105 *	DF 17
BE 54	CE 106 *	DF 20 *
BE 59	CE 108 *	DF 64 *
BE 102 *	CE 110 *	DF 79 *
	CE 113 *	DF 82 *
AA-BF 3 *	CE 114 *	DF 84 *
BF 53 *	CE 117 *	DF 86 *
AA-CB 1 *	AA-CF 38 *	AA-EC 5 *
	CF 39 *	
AA-CC 1	CF 97 *	AA-ED 39 *
CC 2	CF 98 *	
CC 38	CF 99 *	AA-EE 14
CC 40 *	CF 100 *	EE 22 *
CC 42 *	CF 103 *	EE 48
CC 46	CF 104 *	
CC 80 *	CF 106 *	AA-EF 3
CC 81 *		
CC 82 *	AA-CG 2 *	
CC 83	CG 8 *	

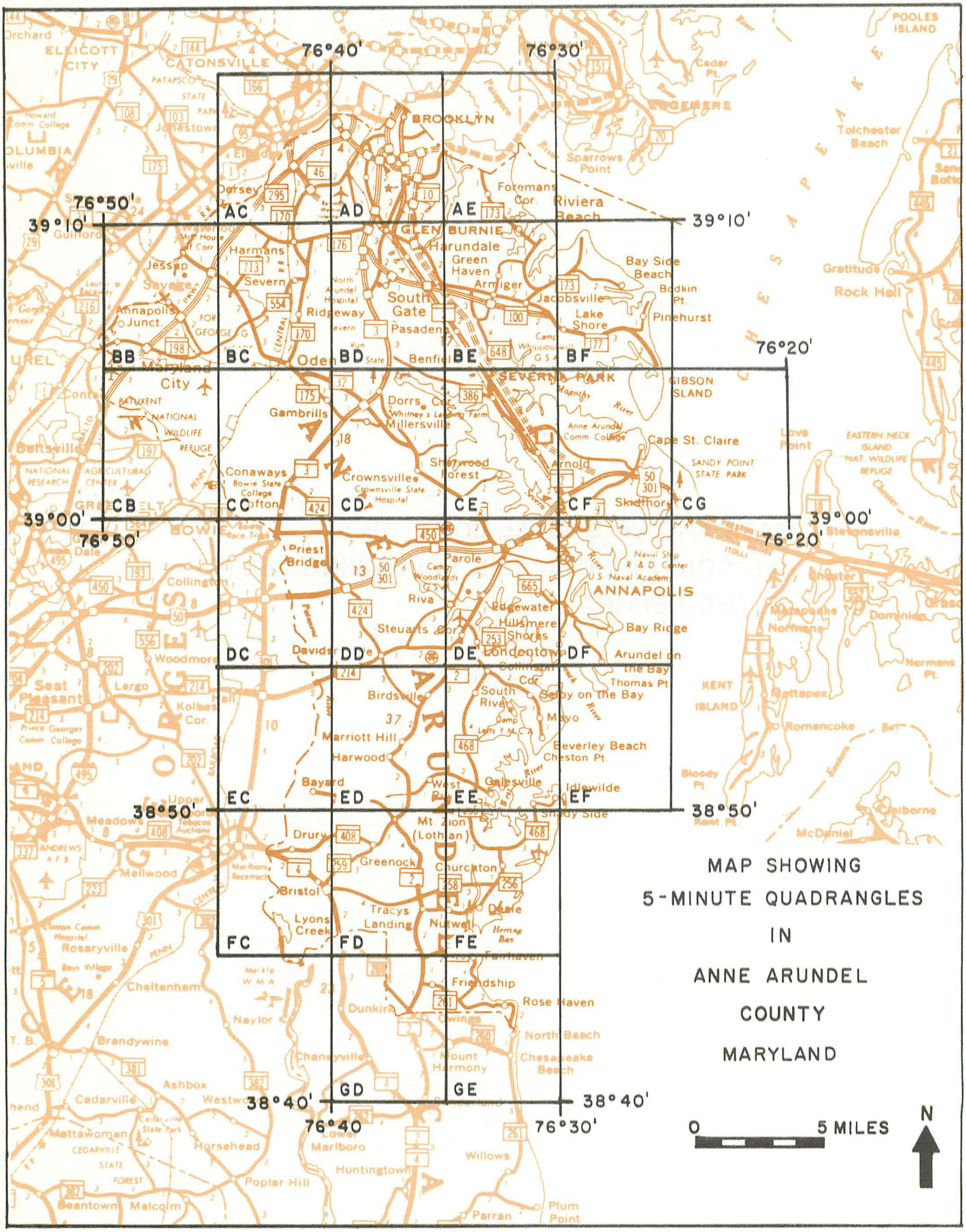
* ACTIVE OBSERVATION WELL IN 1974

TABLE 7. LIST OF GEOPHYSICAL LOGS FOR ANNE ARUNDEL COUNTY

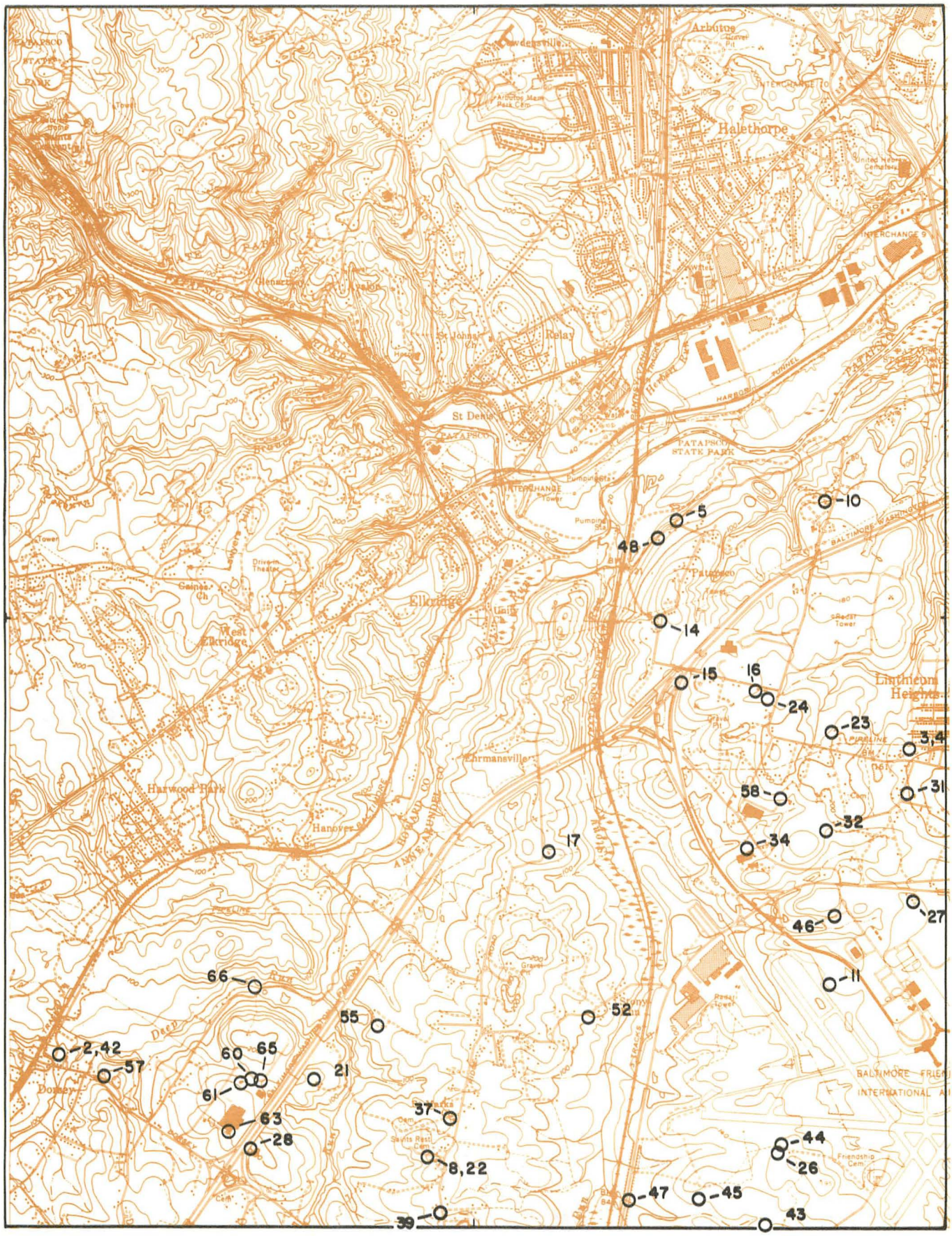
LOG TYPES: GAM = GAMMA RAY, CAL = CALIPER, SPE = SINGLE POINT ELECTRIC, MPE = MULTI-POINT ELECTRIC, OTH = OTHER

CO.	QD	USGS NO.	ST PERM NO.	LOG TYPE	DEPTH (FT)
AA	AC	11	2445	GAM	308
AA	AC	60	66-0326	SPE	183
AA	AC	61	68-1057	SPE,GAM	205
AA	AD	87	39464	SPE	246
AA	AD	90	40298	SPE	481
AA	AD	92	42030	SPE	452
AA	AD	93	66-1456	SPE	200
AA	BB	50	38337	SPE	153
AA	BB	64	47686	SPE	126
AA	BB	65	47687	SPE	166
AA	BB	66	66-0671	SPE	109
AA	BC	159	65-0774	GAM,SPE	435
AA	BC	160	65-0753	SPE	698
AA	BC	161	65-0777	SPE	460
AA	BC	162	764251	SPE,GAM	276
AA	BC	163	68-0667	SPE	600
AA	BC	167	66-1316	SPE	405
AA	BC	170	71-0035	GAM,SPE	567
AA	BC	174	73-3863	GAM,SPE,MPE	300
AA	BD	92	42472	SPE	162
AA	BD	98	57226	GAM,SPE	616
AA	BF	54	73-3421	GAM,SPE	282
AA	CB	1	35695	SPE	497
AA	CB	2	35694	SPE	657
AA	CC	40	35693	SPE	606
AA	CC	46		GAM	177
AA	CC	78	45085	SPE	914
AA	CC	85	53892	SPE,SPE	1086
AA	CC	86	56079	SPE	1040
AA	CC	88	66-0300	SPE	865
AA	CC	95	70-0546	CAL,SPE,GAM	187
AA	CC	98	70-0540	GAM	85
AA	CC	101	73-0088	SPE,GAM	1229
AA	CC	102	72-0907	SPE	994
AA	CC	103	73-0086	SPE,GAM,CAL	1197
AA	CC	104	73-0087	SPE,GAM	1262
AA	CC	107	73-2802	MPE,GAM	1280
AA	CD	12		GAM	220
AA	CD	43	12737	MPE	392
AA	CD	50	25525	GAM	273
AA	CD	86		SPE,GAM	46
AA	CD	87		GAM	32
AA	CD	89		GAM	39
AA	CD	90	71-0530	GAM,SPE	168
AA	CE	80	38680	SPE	596
AA	CE	94	43201	SPE	556
AA	CE	95	43202	SPE	518
AA	CE	97	69-0731	GAM	161
AA	CE	100		GAM	78
AA	CE	114	70-0606	GAM,SPE	220
AA	CE	115	70-0639	GAM	135
AA	CE	116	71-0411	GAM,SPE	404
AA	CE	117	73-0172	SPE,CAL,GAM	1060
AA	CF	39	16783	GAM	281
AA	CF	100	70-0199	SPE,GAM	410
AA	CF	101	70-0199	SPE,GAM	377
AA	CF	107	72-1270	GAM,SPE	565
AA	CF	108	73-0472	GAM,SPE	535
AA	CF	108		SPE	548
AA	CG	8	5228	GAM	268
AA	CG	18	66-1439	SPE,OTH	545
AA	DC	15	70-0157	GAM	115
AA	DD	36	41099	SPE	348
AA	DD	37	691066	GAM	270
AA	DD	41	71-0231	SPE,GAM,CAL	508
AA	DD	44	71-0291	GAM	310
AA	DD	45	66-1112	GAM	328
AA	DE	1		GAM	170
AA	DE	2		GAM	249
AA	DE	45	1627	GAM	140
AA	DE	88	17076	GAM	324
AA	DE	91	41125	SPE	200
AA	DE	92	65-0821	SPE,GAM	1046
AA	DE	93	66-1494	SPE	460
AA	DE	94	65-0822	GAM	1010
AA	DE	95	68-0175	GAM	480
AA	DE	96	68-0175	SPE	596
AA	DE	97	68-0189	SPE	550
AA	DE	100		SPE,GAM,CAL	431
AA	DE	101	69-0332	SPE,GAM,CAL	535
AA	DE	104	69-0332	SPE,GAM,CAL	466
AA	DE	112	70-0712	GAM,SPE	383
AA	DE	113	70-0680	GAM,SPE	330
AA	DE	114	71-0449	GAM	235
AA	DE	115	71-0478	GAM,SPE	355
AA	DF	12		GAM	480
AA	DF	18		GAM	170
AA	DF	20		GAM	231
AA	DF	65	10550	GAM	440
AA	DF	79	37867	SPE,GAM	709
AA	DF	80	40906	GAM	698
AA	DF	82	54278	SPE	662
AA	DF	83	69-0494	GAM,SPE	795
AA	DF	84	69-0676	GAM,SPE	311
AA	DF	89	70-0806	SPE,GAM	562
AA	DF	90	71-0080	SPE,CAL,GAM	512
AA	ED	39	68-0209	SPE	490
AA	EE	22		GAM	327
AA	EE	60	70-0545	GAM,SPE	310
AA	FE	47	73-3408	MPE,GAM,CAL	674

MAPS SHOWING WELL LOCATIONS
ARE CONTAINED IN THE FOLLOWING SECTION
OF THE REPORT



MAP SHOWING 5-MINUTE QUADRANGLES IN ANNE ARUNDEL COUNTY MARYLAND



Quadrangle AC

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

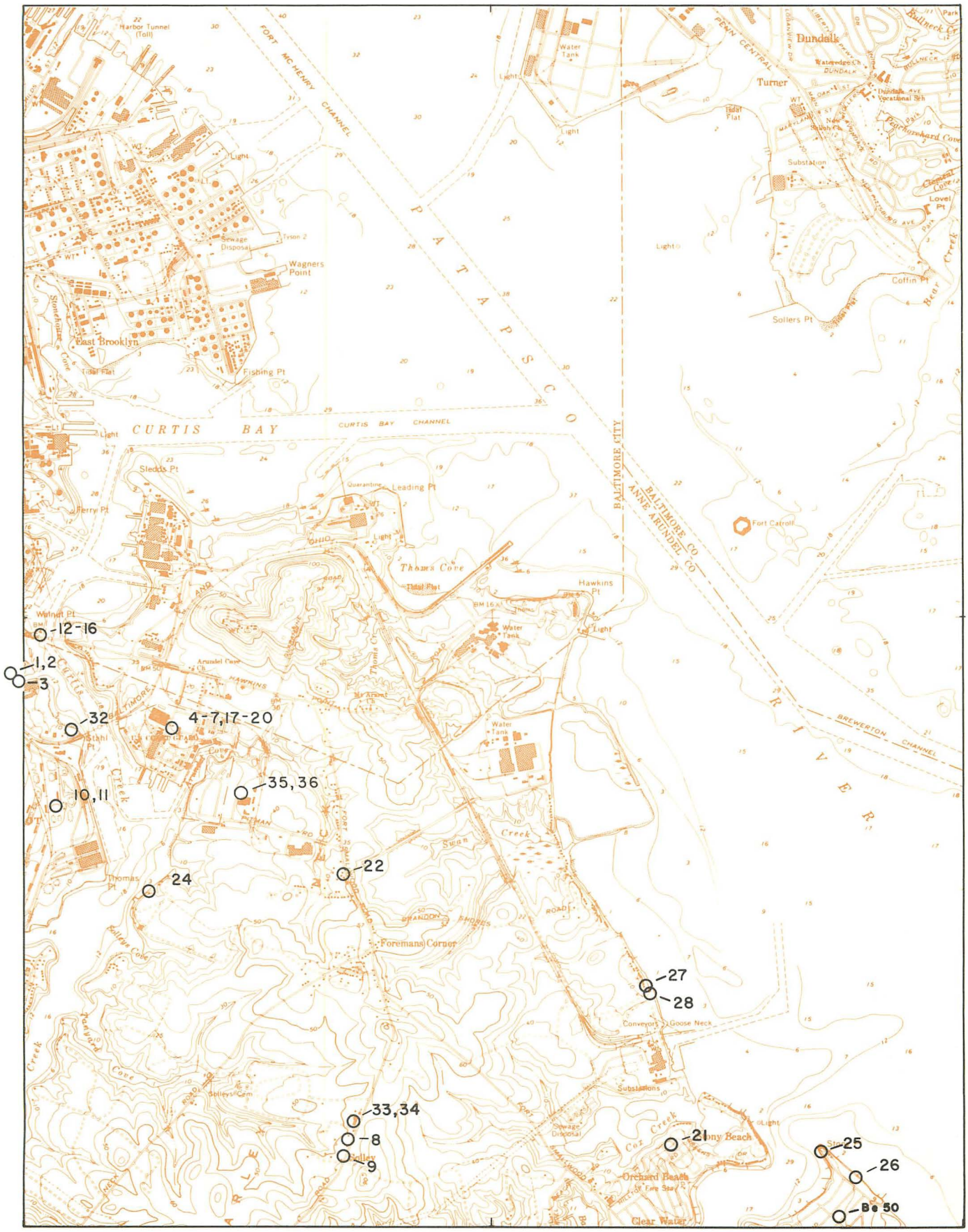
CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N

Quadrangle AD

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

N



Quadrangle AE

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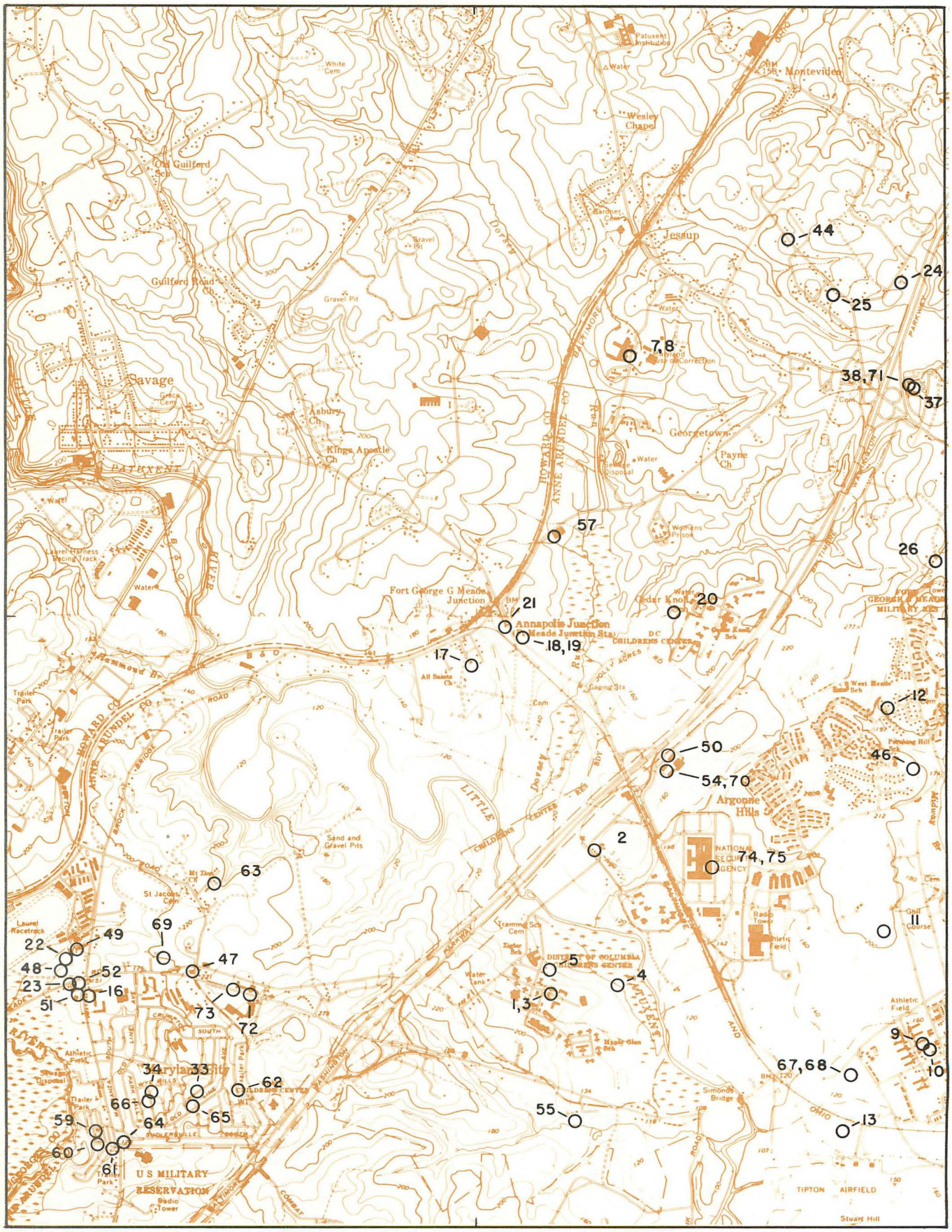
1 KILOMETER

CONTOUR INTERVAL 10 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle BB

1 ½ 0 1 MILE

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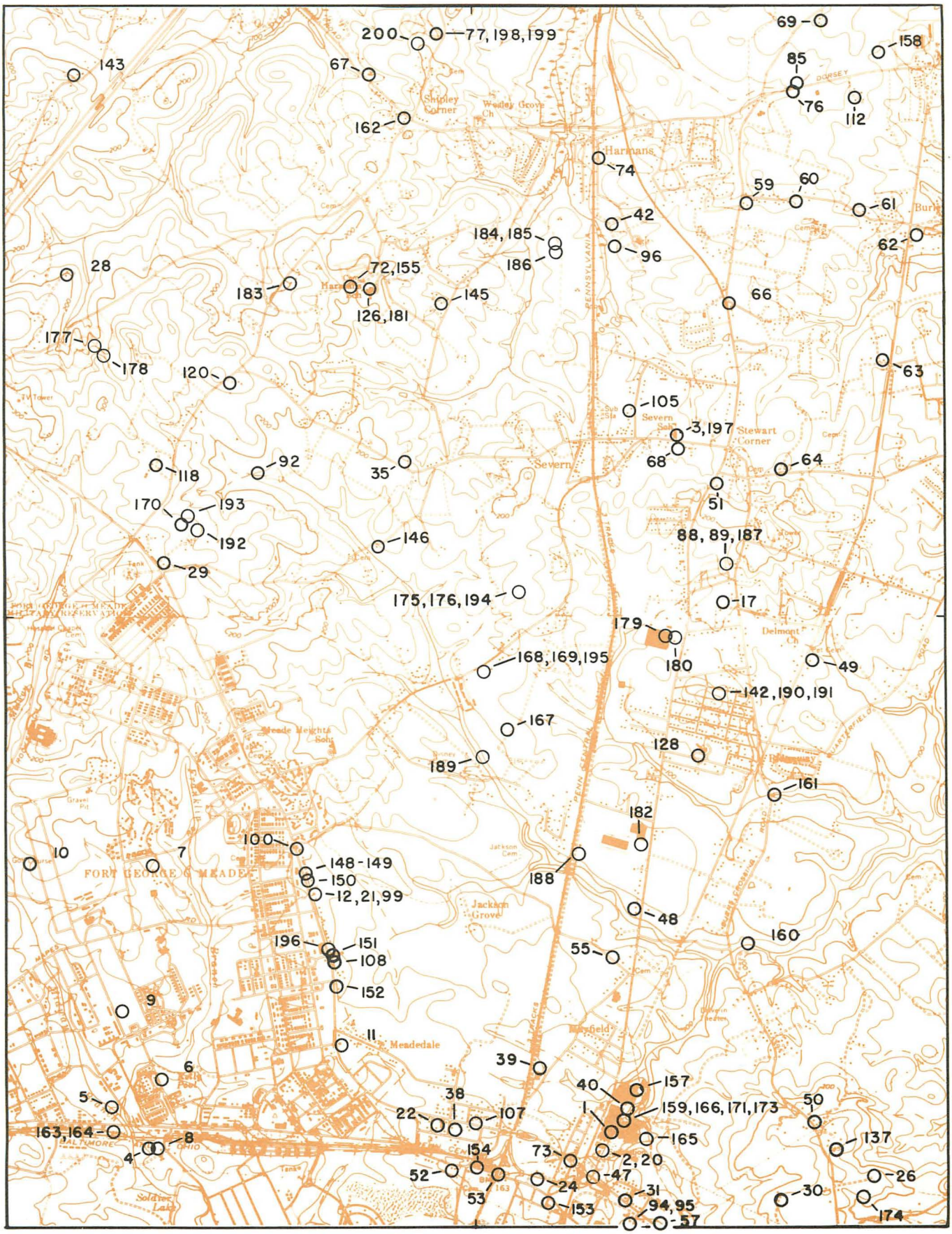
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle BC

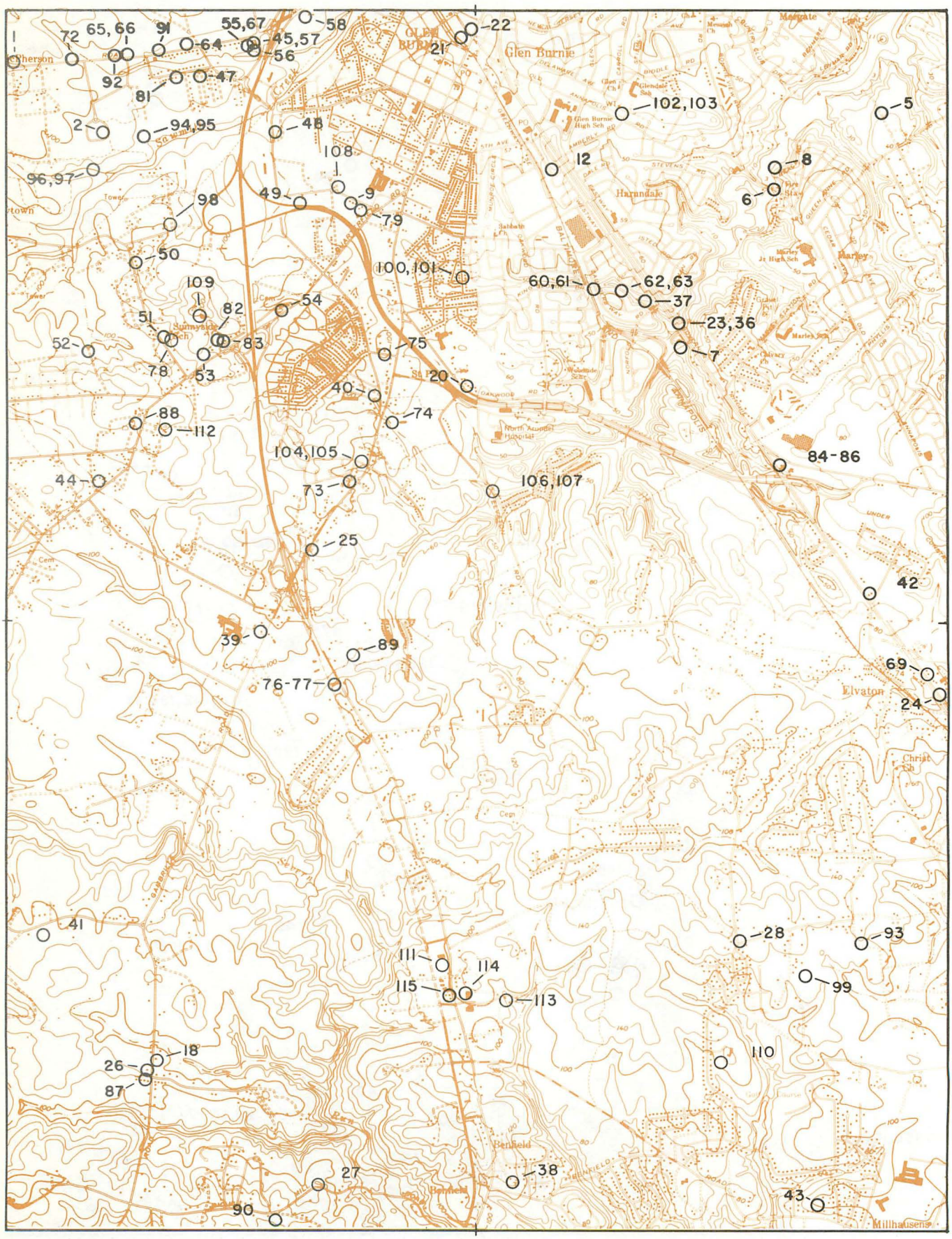
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle BD

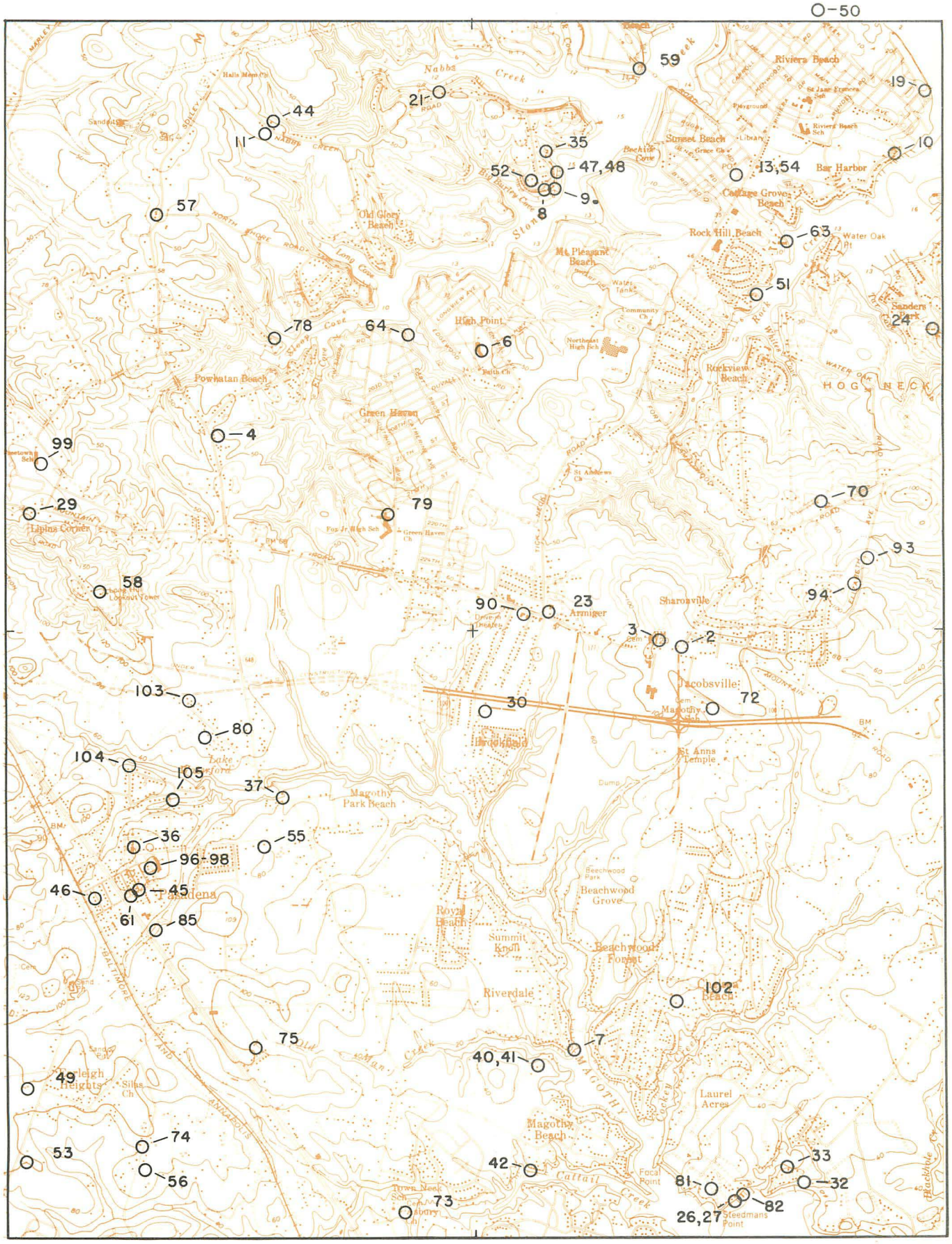
1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 KILOMETER

N

CONTOUR INTERVAL 10 AND 20 FEET
DATUM IS MEAN SEA LEVEL



Quadrangle BE

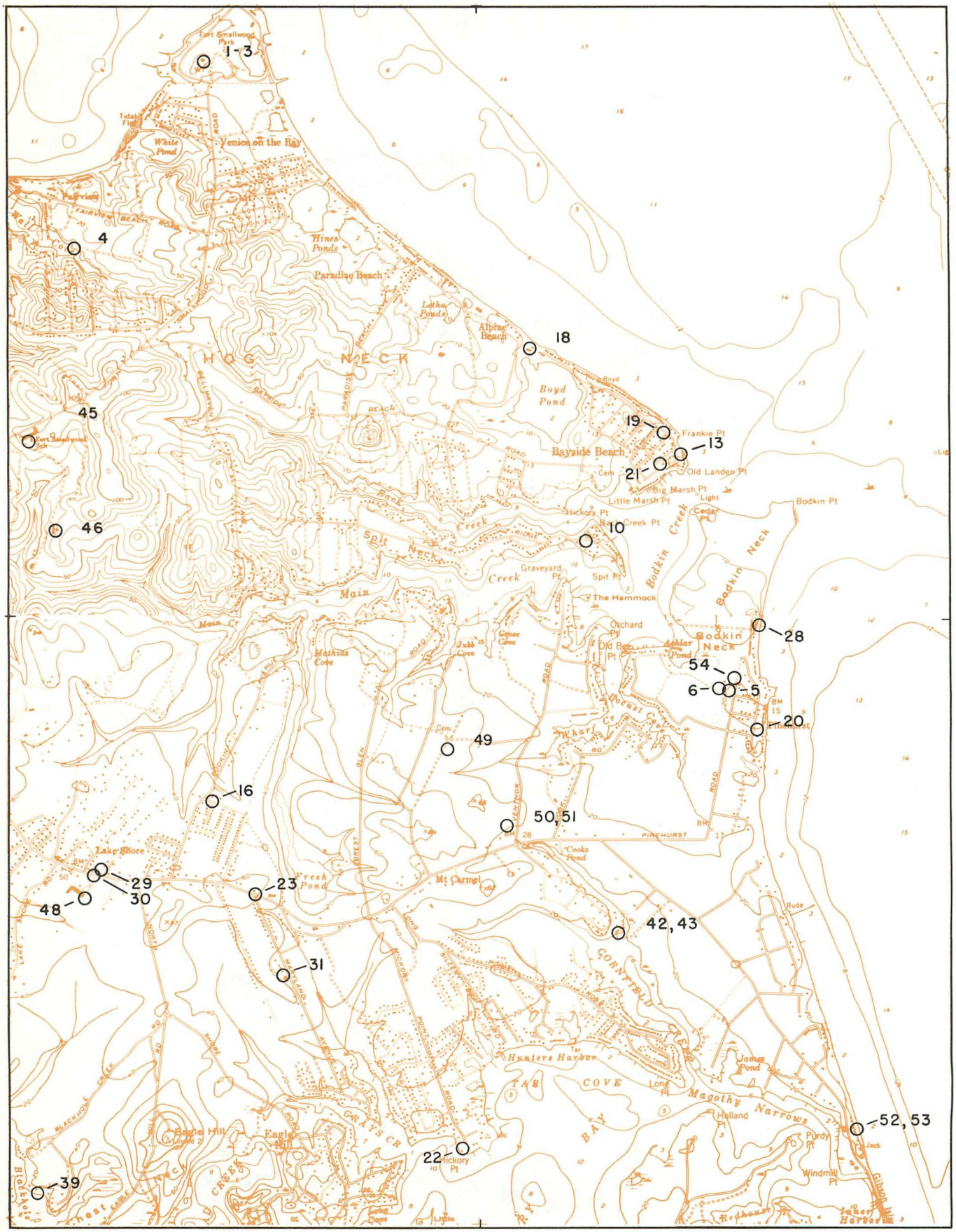
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 10 AND 20 FEET
DATUM IS MEAN SEA LEVEL

N

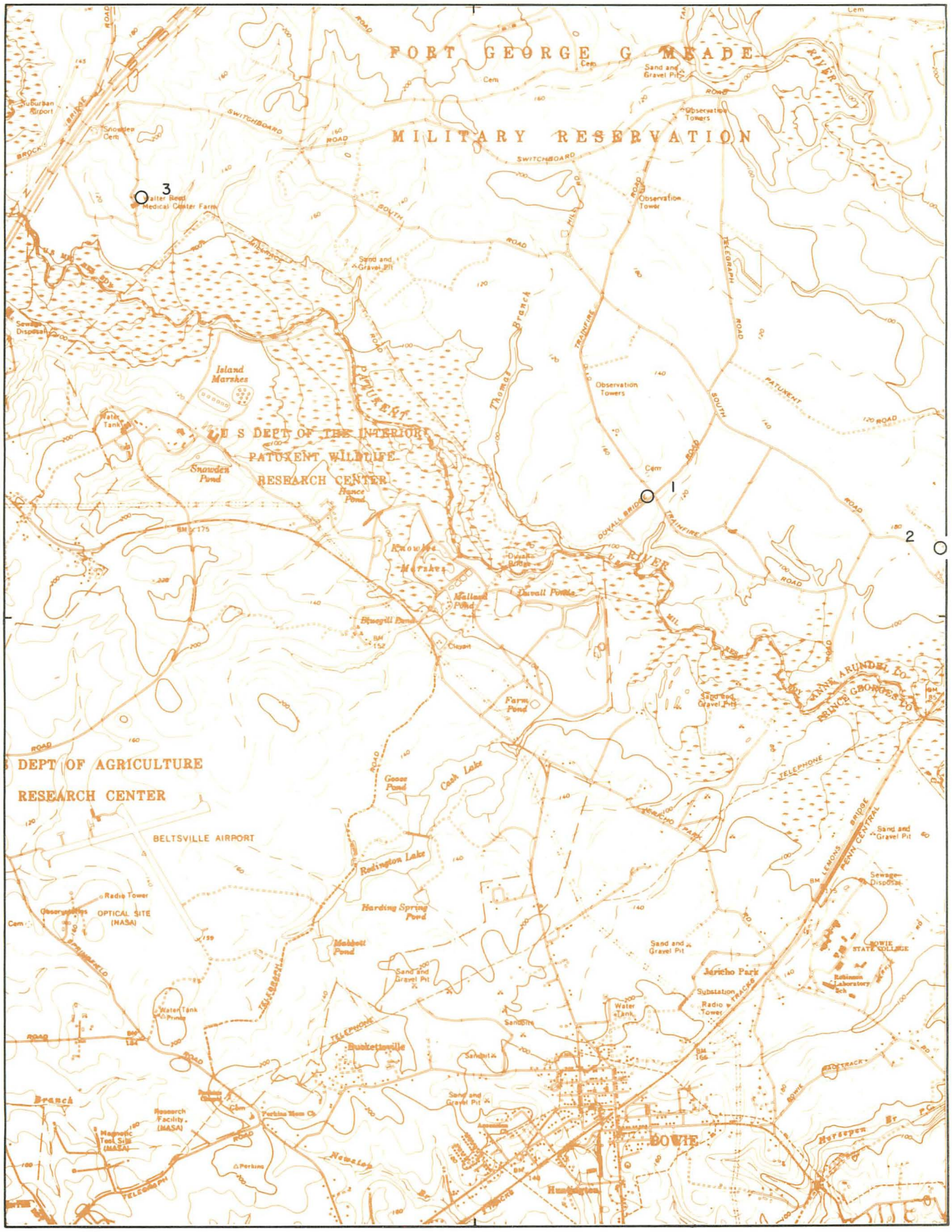


Quadrangle BF

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 AND 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle CB

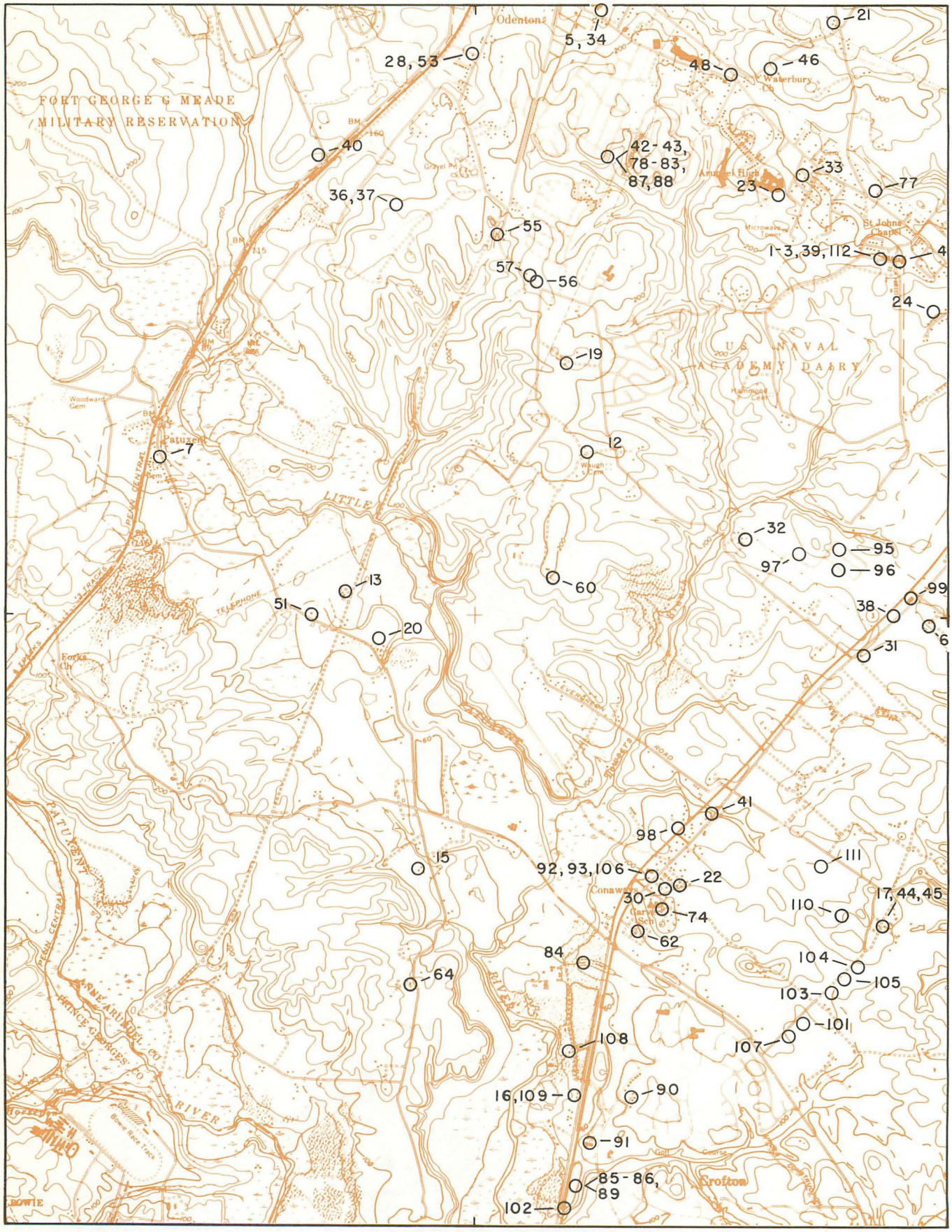
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle CC

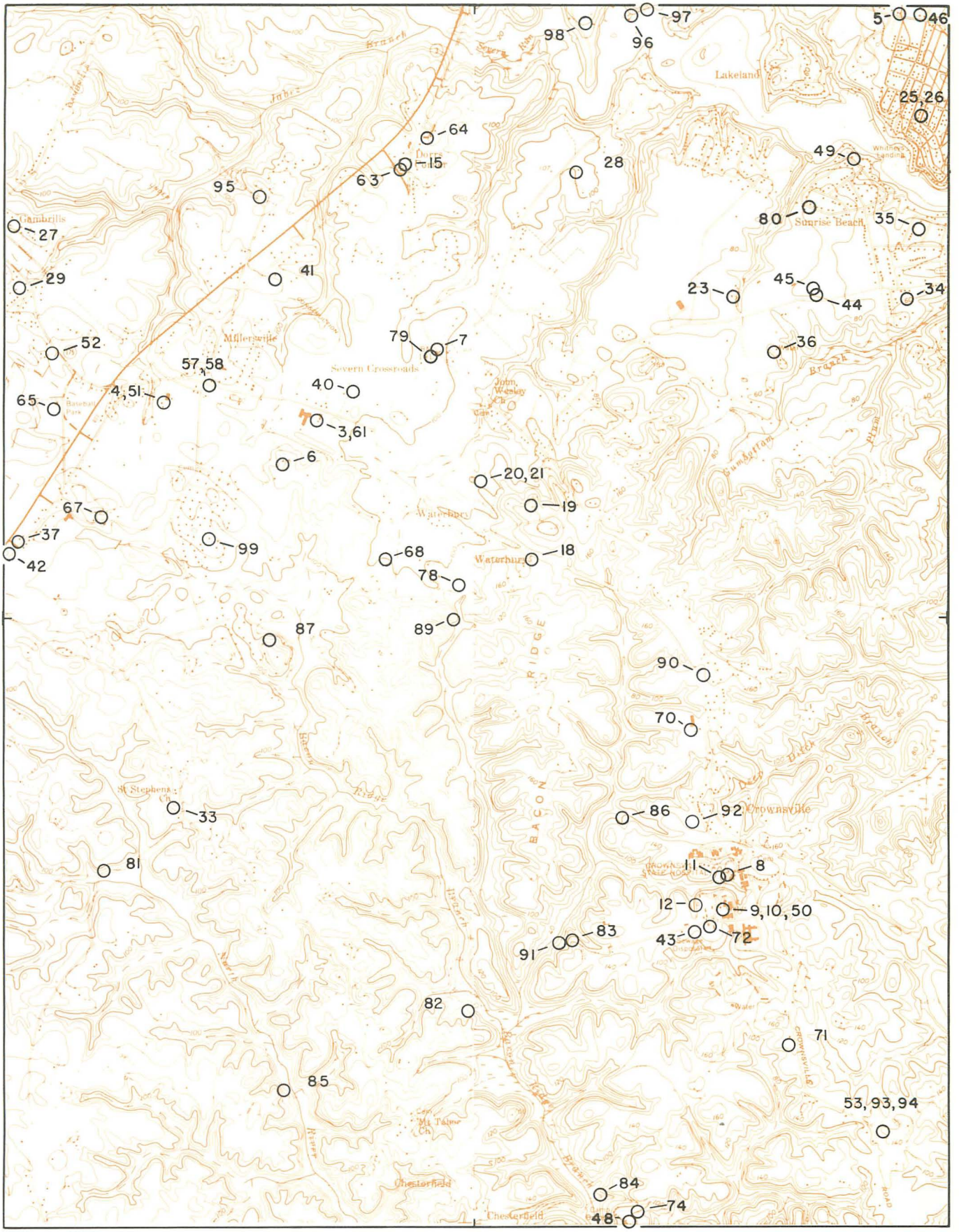
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle CD

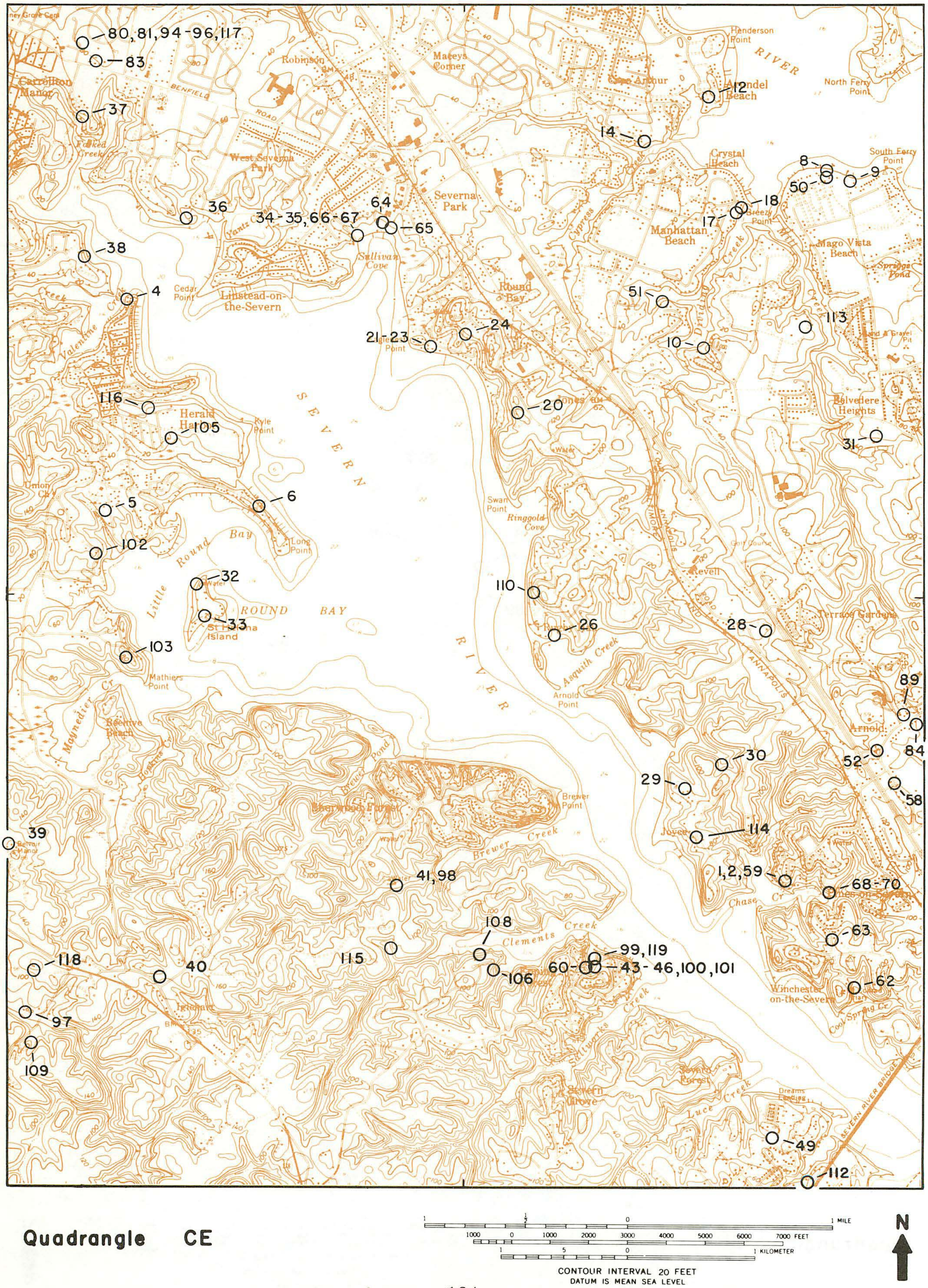
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

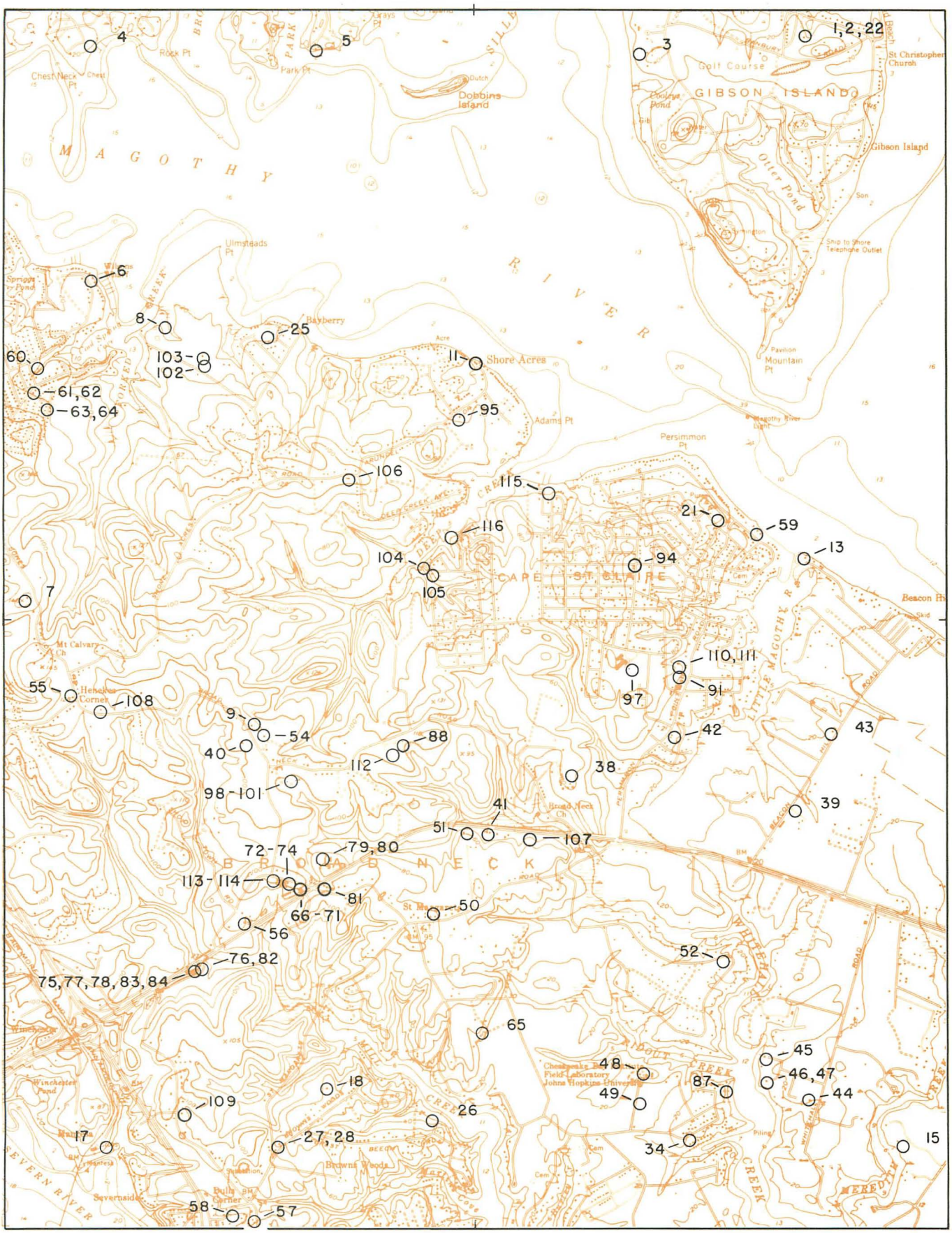
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle CE

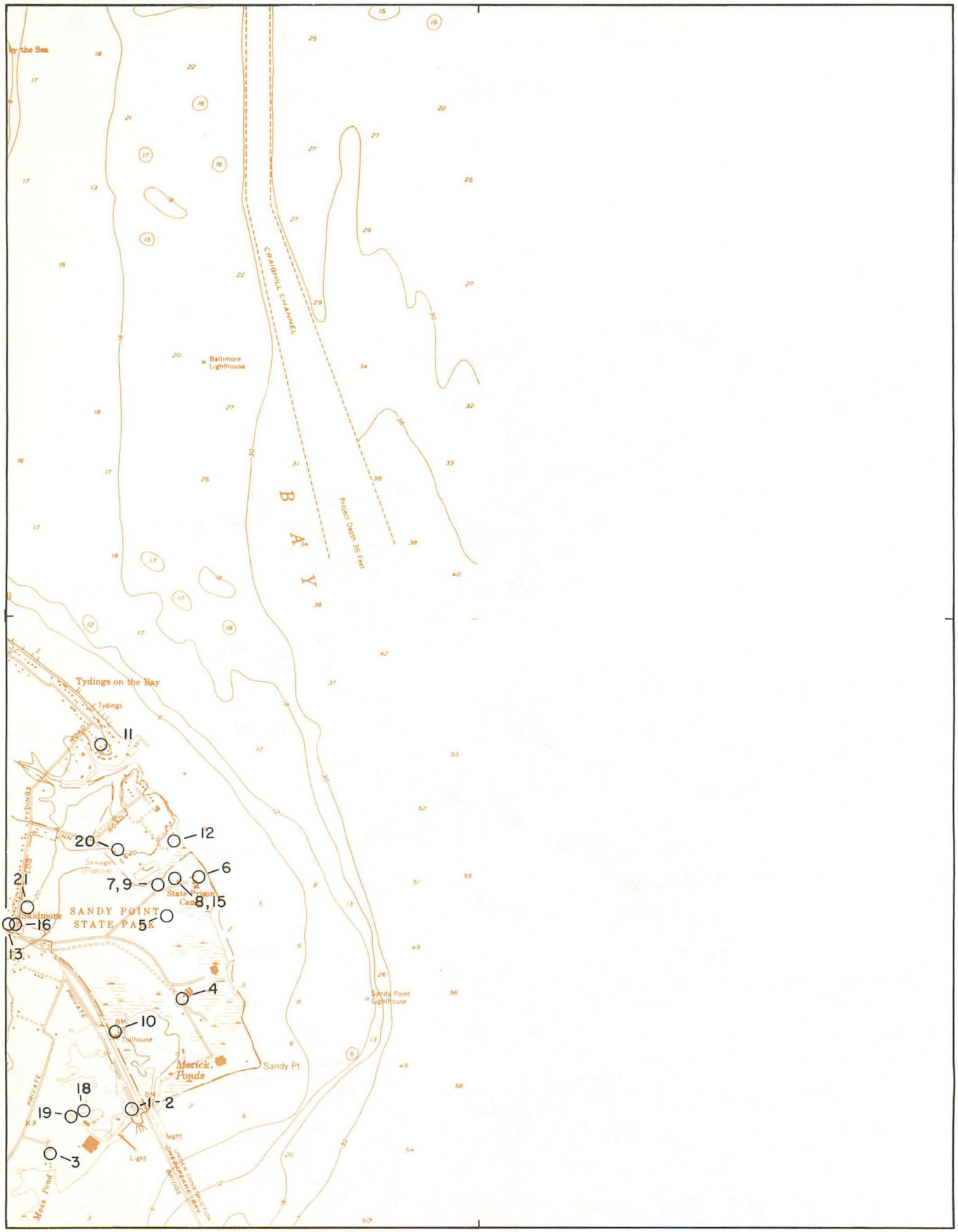


Quadrangle CF

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle CG

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 MEAN SEA LEVEL

N

Quadrangle DC

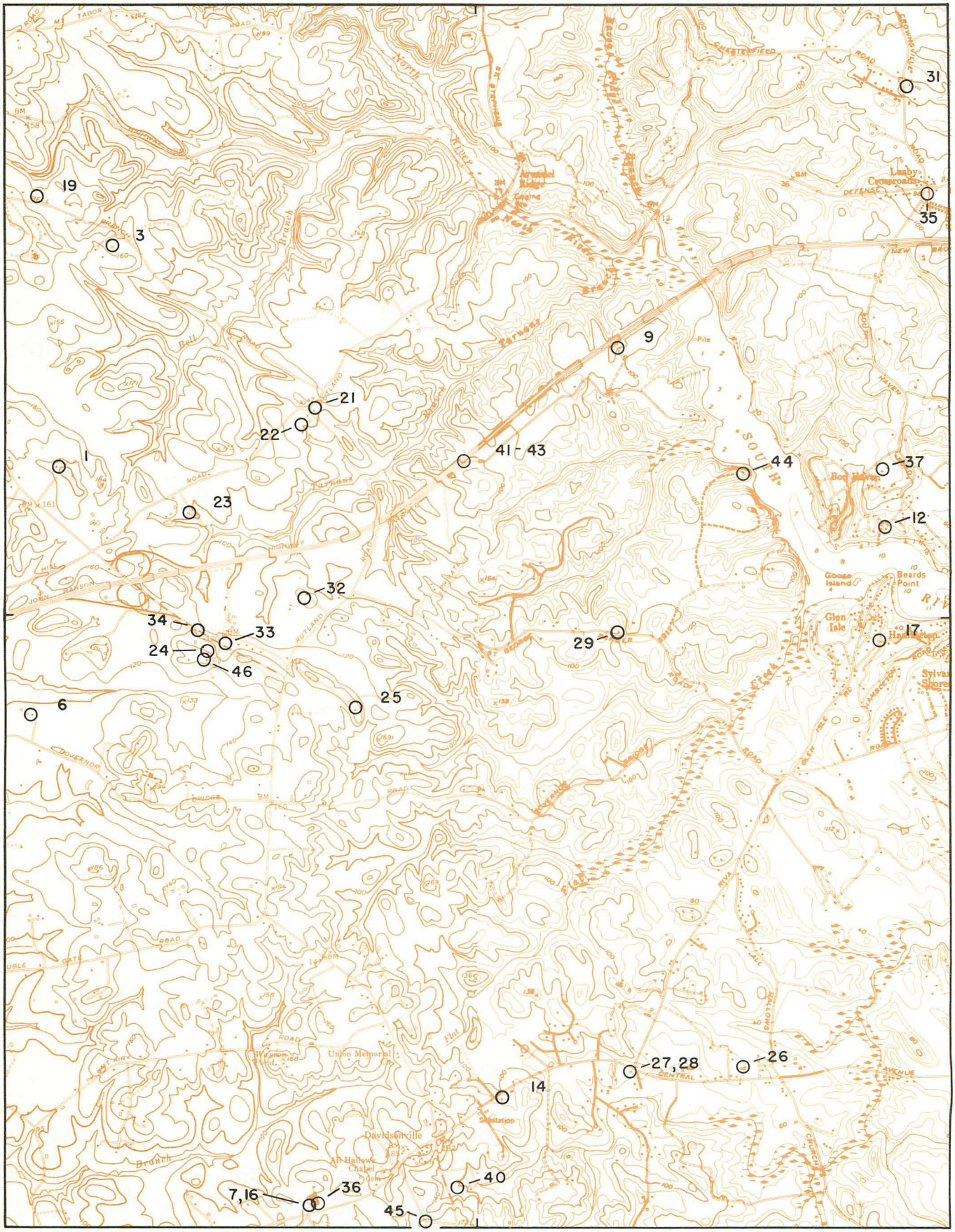
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle DD

1 ½ 0 1 MILE

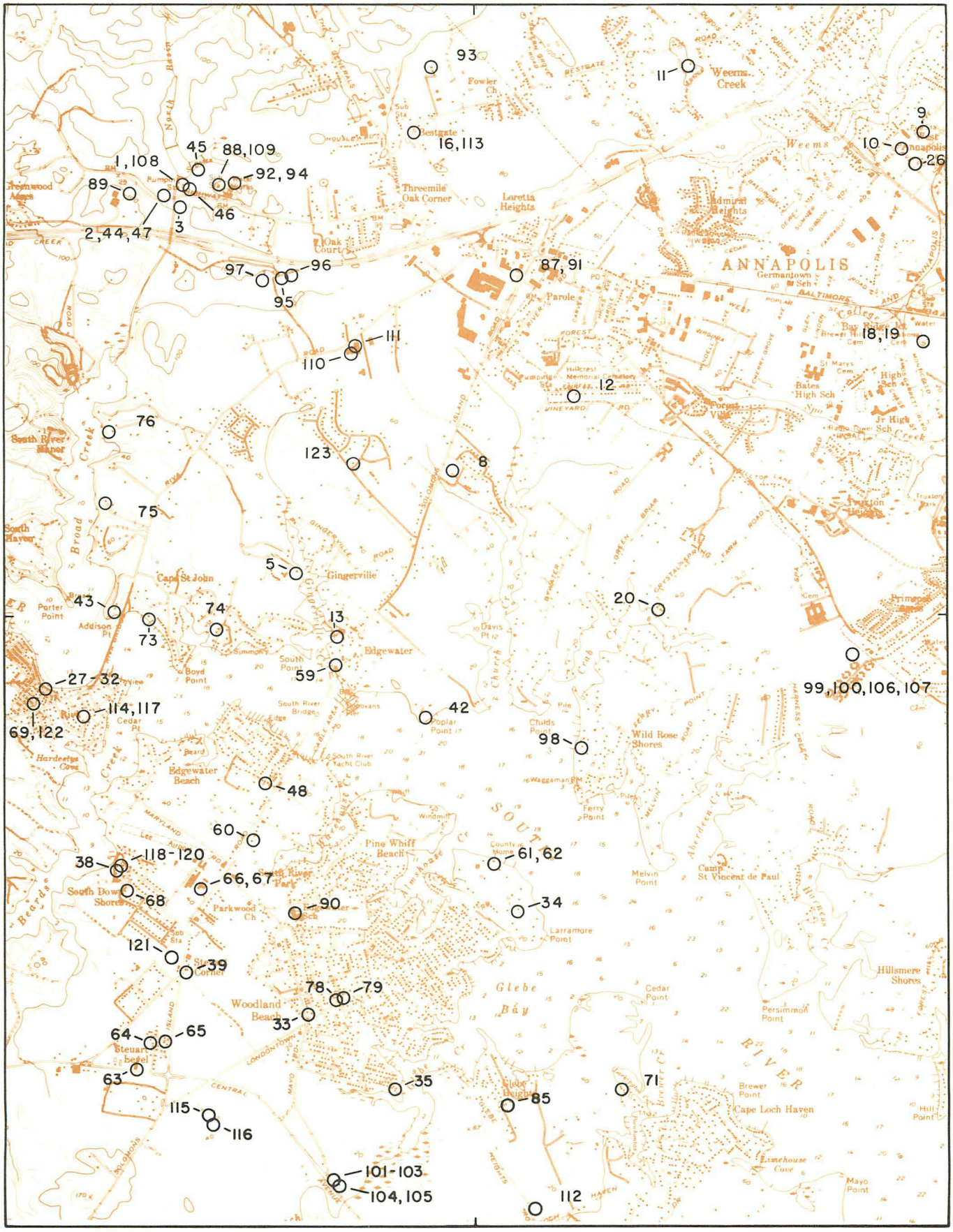
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET

DATUM IS MEAN SEA LEVEL

N

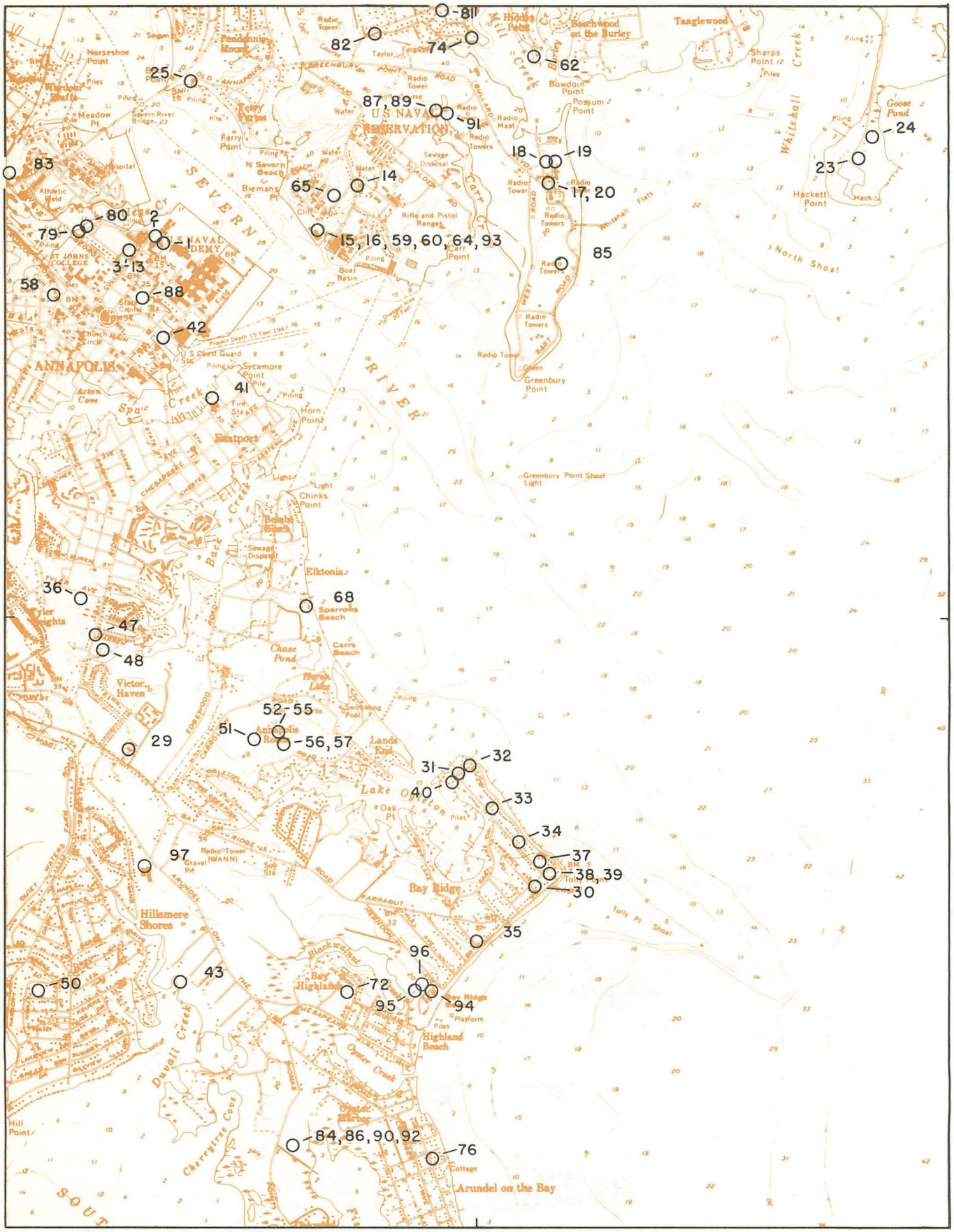


Quadrangle DE

1 1 0 1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle DF

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 MEAN SEA LEVEL

N

Quadrangle 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 MEAN SEA LEVEL

N

Quadrangle ED

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER
5 0

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

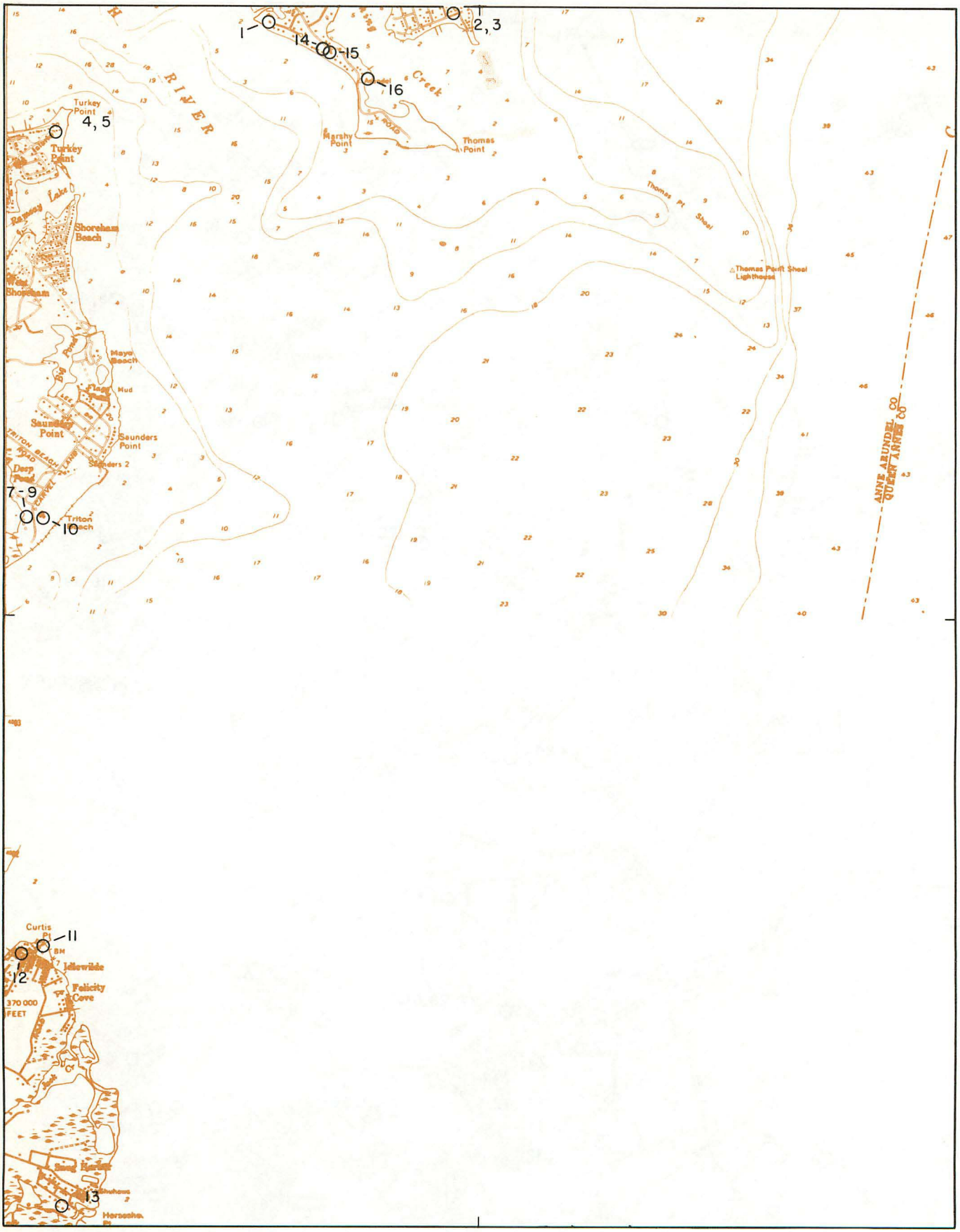
N

Quadrangle EE

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle EF

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N

Quadrangle FC

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 MEAN SEA LEVEL

N

Quadrangle FD

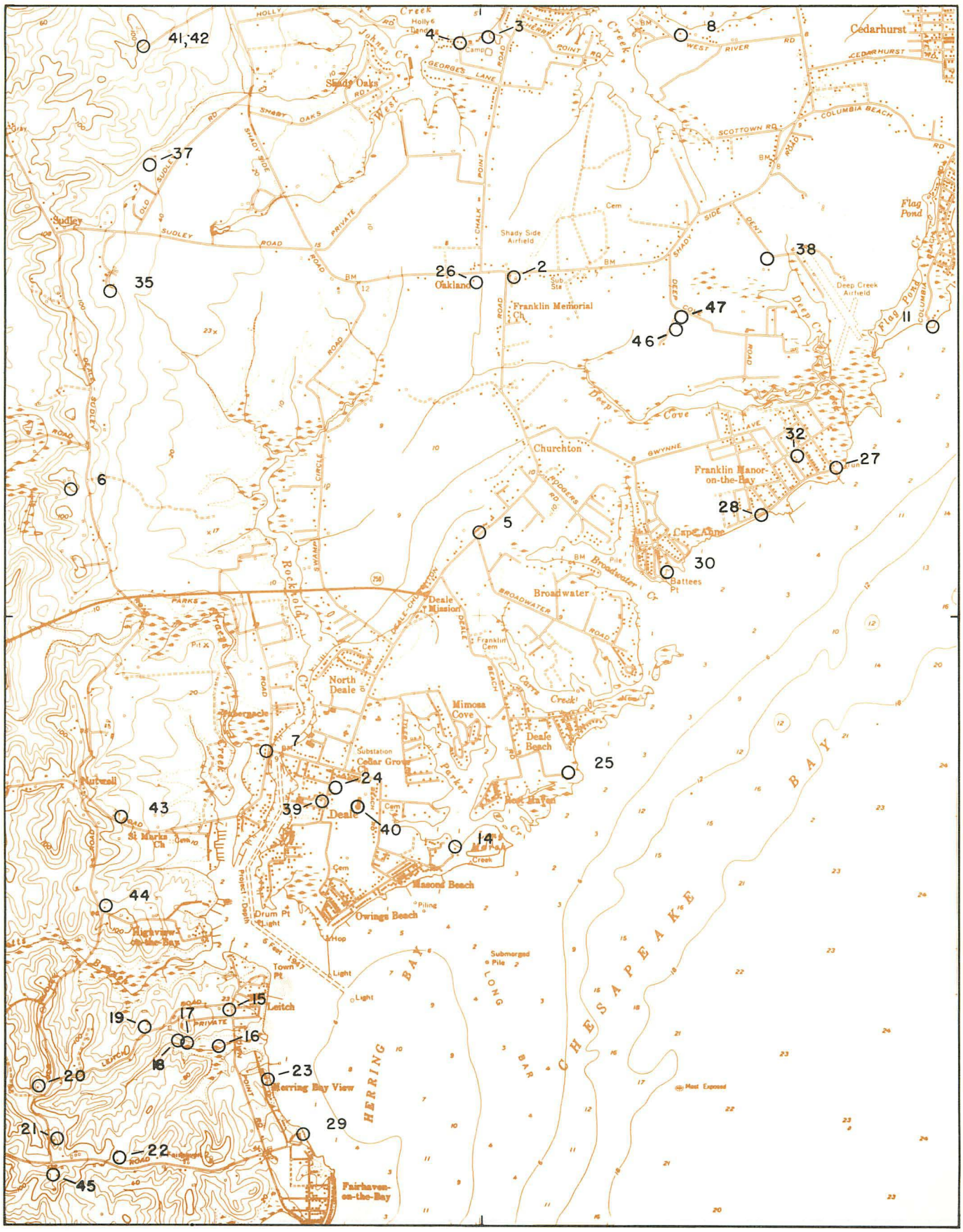
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle FE

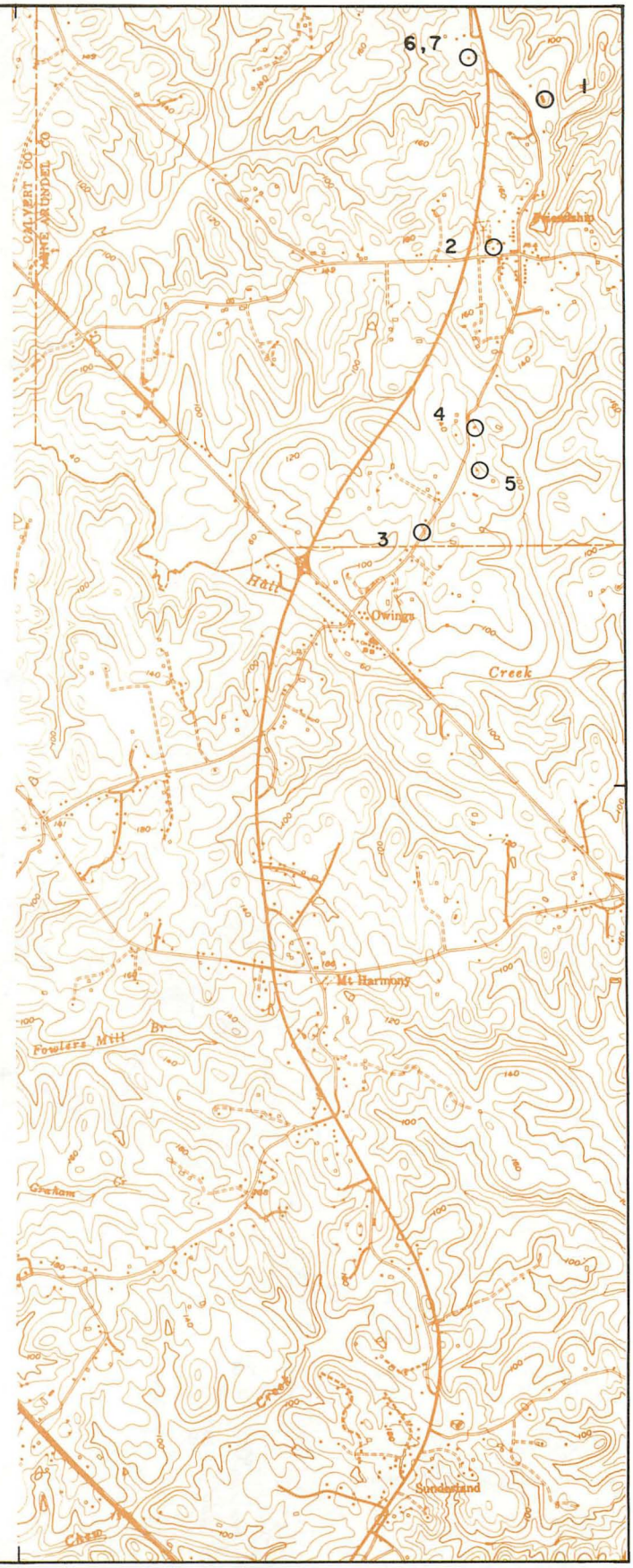
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle GD

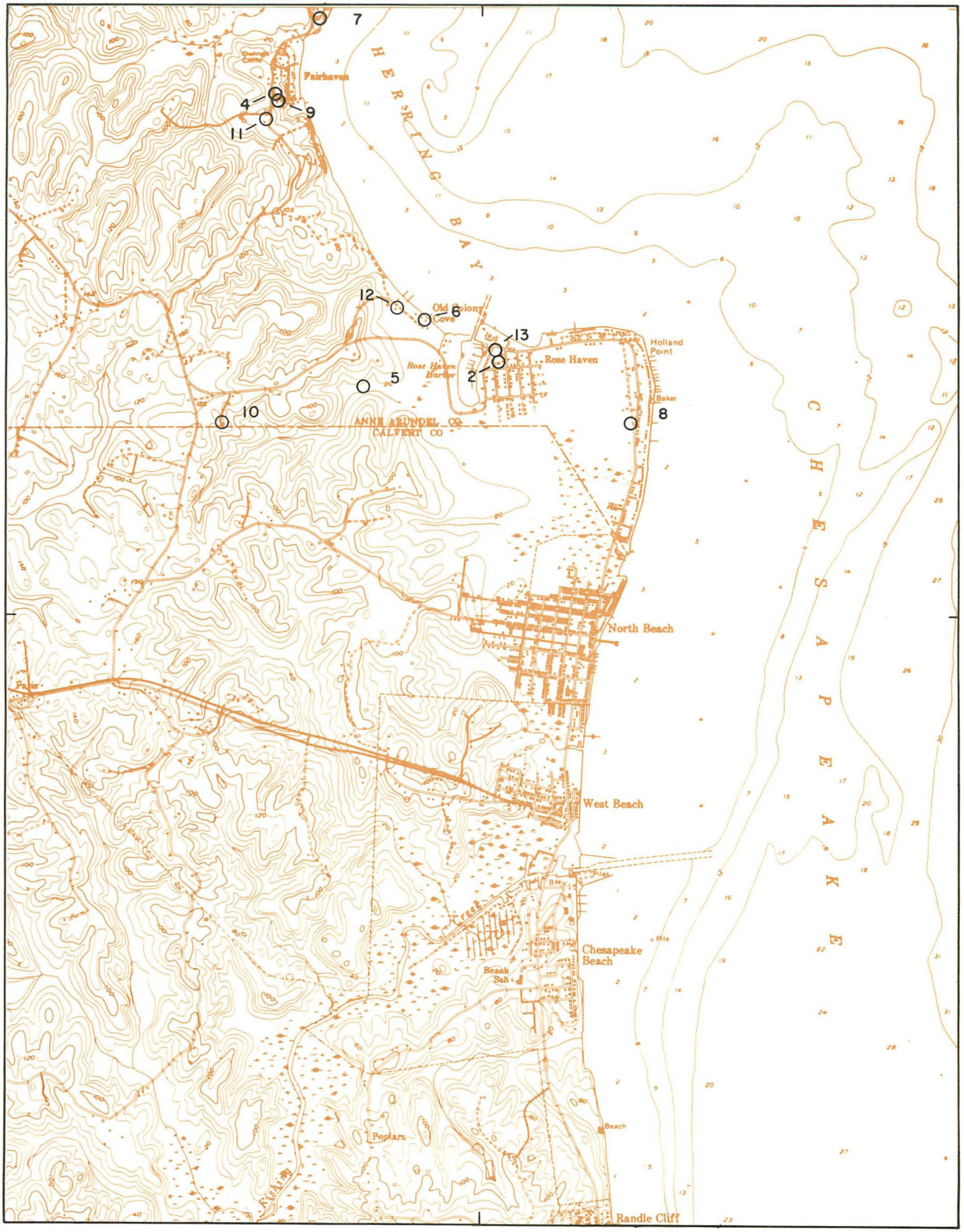
1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N



Quadrangle GE

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

N

MARYLAND GEOLOGICAL SURVEY
214 Latrobe Hall
The Johns Hopkins University
Baltimore, Maryland 21218

Basic Data Reports

1. Records of wells and springs in Baltimore County, Maryland by C. P. Laughlin, 1966, 406 p. $6.00

2. Records of wells and springs, chemical analyses, and selected wells 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. AND, Water resources of southern Maryland, by J. M. Weigle, W. E. Webb, and R. A. Gardner, 1970, 3 atlas sheets $5.25

5. Deep wells of Maryland, by Jonathan Edwards, Jr., 1970, 162 p. $3.75

6. Worcester County ground-water information: well records, pumpage, chemical data, and selected well logs, compiled by Richard C. Lucas, 1972, 90 p. $3.00

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. $3.25

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

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