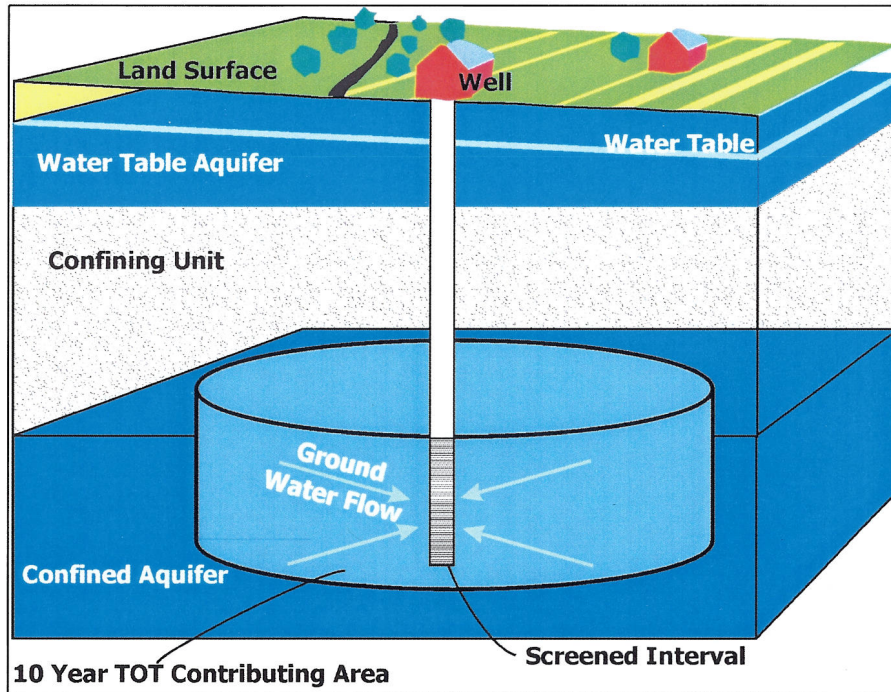


SOURCE WATER ASSESSMENT
FOR
ST. MARY'S COUNTY, MD



Prepared By
Water Management Administration
Water Supply Program
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Robert L. Ehrlich, Jr.
Governor

Kendl P. Philbrick
Secretary

Michael S. Steele
Lt. Governor

Jonas A. Jacobson
Deputy Secretary

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SUMMARY

The Maryland Department of the Environment's Water Supply Program (WSP) has conducted a Source Water Assessment for one hundred sixty six transient non-community water systems in St. Mary's County. The required components of this report as described in Maryland's Source Water Assessment Program (SWAP) are: 1) delineation of an area that contributes water to the source; 2) identification of potential sources of contamination; and 3) determination of the susceptibility of the water supply to contamination. Recommendations for protecting the drinking water supply conclude this report.

Confined aquifers protect water supplies from contaminants originating on the land surface. Transient water supply systems in St. Mary's County use only confined aquifers. One hundred seventy nine wells supply the one hundred sixty six transient systems in St. Mary's County. Through investigation of MDE records and interviewing system owners, it was concluded that all of these are completed in confined aquifers.

The WSP reviewed water quality results, along with the presence of potential sources of contamination within the individual assessment area, the integrity of the system's well, and the inherent vulnerability of the aquifer. None of the transient systems are susceptible to nitrate/nitrite contamination. None of the systems are susceptible to volatile organic compounds; however, some systems are susceptible to microbiological contaminants through well construction deficiencies. The sanitary integrity of the water supply systems should be maintained. Recommendations for maintaining and correcting wells and system deficiencies can be found at the end of this report to individual water system owners and county officials. These recommendations include disinfecting the well and/or system after work is performed, replacing deficient well caps with two-piece caps, caulking the electrical conduits and continuing regular inspections of the water system.

INTRODUCTION

The Water Supply Program (WSP) has conducted a Source Water Assessment for one hundred and sixty six transient noncommunity water systems in St. Mary's County. As defined in Maryland's Source Water Assessment Plan (SWAP), a transient noncommunity water system is any noncommunity water system that does not regularly serve at least twenty-five of the same individuals over six months per year. Some good examples of transient water systems include hotels, restaurants, parks, fire departments, and churches. Figure 1 shows where each of the transient systems is located in St. Mary's County.

The transient systems must sample for two contaminants. The first is total coliform bacteria, which is an indicator that other microbiological contaminants could be in the water supply. Systems are required to test for coliform organisms regularly. Additional sampling is required for fecal coliform and at other sample taps following positive total coliform results. The second contaminant is nitrogen in the form of nitrate or nitrite. This SWAP report will focus on these two contaminants, but will address other obvious potential sources of contamination.

St. Mary's County is located in the Southern portion of the State and is located in the Coastal Plain physiographic province. The Coastal Plain, geologically the youngest province in Maryland, covers nearly half of the State and consists entirely of unconsolidated sediments. All of the transient water supplies obtain their water from wells of various size and depth. All of these wells are completed in confined aquifers. Depth of well, lithology, and nitrate data were used to determine whether the wells are completed in confined or unconfined aquifers. An accurate determination of the aquifer type is very important because no assessment area needs to be defined for the systems using confined aquifers.

WELL INFORMATION

Well information for each system was obtained from the WSP's database, owner interviews, well completion reports, sanitary survey inspection reports, and published reports. A total of one hundred and seventy nine wells are used by the one hundred sixty six transient systems assessed in this report. The well tag number, which provides vital well information, was found for one hundred and four of the one hundred seventy-nine wells that are being used by the systems (Table 1). From the well tag information, ground water appropriation data, and with the nitrate sampling data it was concluded that all of the wells are completed in confined aquifers (Aquifer code "C") and none of the wells were completed in unconfined aquifers (Aquifer code "U"). Table 1 contains a summary of the well information for each system.

The well information that was available at the start of this project for the transient systems in St. Mary's County needed to be supplemented with additional research in order to perform the Source Water Assessment for the county. Using this information, it was determined that one hundred and four of the wells were completed in confined

aquifers. After reviewing the nitrate data for the other wells, it was determined that all of the wells are confined. Information was found that at least ninety of the one hundred seventy nine wells were completed after 1973, which is when the State adopted the well completion standards for wells.

HYDROGEOLOGY

Ground water flows through pores between gravel, sand, and silt grains in unconsolidated sedimentary aquifers such as those used by the transient non-community water systems in St. Mary's County. An aquifer is any formation that is capable of yielding a significant amount of water. A confining unit is a layer generally composed of fine material such as clay and silt, which transmits relatively very little water. Confined aquifers are those formations that are overlain by a confining unit. Confined aquifers are recharged from the water stored in the confining unit above and from precipitation that infiltrates into the formation where it is exposed at the surface. Due to the depth and areal extent of the unconsolidated sediments in Southern Maryland, water stored in these aquifers is very old and the water pumped from wells in these aquifers has generally traveled great distances from its origin at the land surface. (DNR, 1987)

St. Mary's County lies within the Atlantic Coastal Plain physiographic province, which is characterized by low topography due to the underlying horizontal sedimentary layers. This province, which in Maryland includes roughly the area east of Interstate 95, is underlain by unconsolidated clastic sediments of Lower Cretaceous to recent age, which thicken to the southeast. In St. Mary's County, the transient non-community system wells draw water from the Piney Point aquifer, Nanjemoy aquifer, the Aquia aquifer and the Lower Cretaceous Aquifer. (DNR, 1987)

Piney Point (124E)

The Piney Point Formation conformably overlies the Nanjemoy Formation in much of Southern Maryland. The Piney Point is grayish-white medium to coarse slightly glauconitic quartz sand. Beds of calcite-cemented sand and shell beds are very common in the Piney Point Formation. The Formation has been truncated in updip areas by erosion. Because of this truncation, the Piney Point Formation does not crop out in Southern Maryland. The Piney Point is not present northwest of a line that runs from Leonardtown in St. Mary's County through Prince Frederick in Calvert County. The thickness ranges from zero feet (northwest of Leonardtown) to one hundred and thirty feet at Point Lookout. The top of the Formation ranges from fifty feet to about three hundred and fifty feet below sea level in St. Mary's County. Transmissivity values range from one hundred twenty five to seven hundred forty feet squared per day (Achmad and Hansen, 1997). The Piney Point aquifer is overlain by the Chesapeake Group Formations that function as upper confining beds in St. Mary's County. Recharge is derived from water table aquifers above, and possibly the Nanjemoy Formation below. (DNR 1983) (MDE, 2004)

Nanjemoy Formation (124C)

The Nanjemoy aquifer generally thickens to the northwest. It ranges from zero to thirty feet and consists mainly of greenish-black to yellowish glauconitic clayey to clean sand (Ferguson, 1953). The Formation tends to coarsen upward, as the upper part of the Nanjemoy is commonly a glauconitic medium-sorted fine sand whereas the lower layers consist of silty clay (Chapelle and Drummond, 1983). The top of the Nanjemoy Formation ranges from sea level to about four hundred feet below sea level in St. Mary's County. The Piney Point and Nanjemoy aquifers are often hydrologically connected (Achmad and Hansen, 1997). The Nanjemoy Formation lies under the Piney Point Formation, and overlies the Marlboro Clay in Southern Maryland. The Formation outcrops in Prince Georges, Anne Arundel and Calvert Counties. (MDE, 2004)

Aquia Aquifer (125B)

The thickness of the Aquia Formation ranges from zero feet (near the Point Lookout Area) to one hundred and seventy five feet near the northwest county border. The Formation consists of moderately to well-sorted, medium to coarse grained light colored to greenish-black glauconitic sand with calcareous-cemented sand and shell beds. The top of the Aquia Formation ranges from two hundred fifty feet to about five hundred twenty feet below sea level in St. Mary's County. Transmissivity values range from three hundred sixty five to eight hundred eighty five feet squared per day (Achmad and Hansen, 1997). The Aquia aquifer is overlain by the Marlboro Clay that functions hydrologically as a confining unit. The Marlboro clay is described as a very tight, pink to silver-gray plastic clay (Chapelle and Drummond, 1983). The Aquia Formation outcrops along the Potomac River in northwestern Charles County and in a band about 10 miles wide from Capital Heights and Upper Marlboro northeast into Anne Arundel County. (MDE, 2004)

Patapsco Aquifer (217D)

The Patapsco Formation is a multi-aquifer formation consisting of irregularly stratified interbedded, variegated (gray, brown and red) silt and clay and argillaceous (clayey), subrounded, fine to medium-grained quartzose sand with minor amounts of gravel. The Formation outcrops in a broad uneven belt about five miles wide from Delaware southwestward to Washington D.C. and most recharge occurs near the updip limits of the Formation. The top of the Formation dips about forty feet to the mile in a southeasterly direction. The deeper water-bearing layers of the Patapsco Formation tend to be higher in chlorides and total dissolved solids than the shallower ones. Updip portions of the Formation yield very soft water; hardness increases to the southeast. In downdip areas the water tends to be alkaline and carries less dissolved iron. (DNR, 1987)

WATER QUALITY DATA

Water quality data was reviewed from the Water Supply Program's database for Safe Drinking Water Act (SDWA) contaminants. All data reported is from the water

supplied to consumers. Two of the St. Mary's County Transient Systems are known to have some type of water treatment. Table 2 summarizes the treatment methods and the reason for that treatment. Both of the systems use disinfection. If coliforms are not present in the finished water for the other one hundred sixty four systems this data can be used to evaluate ground water or source water quality. A review of the monitoring data shows that there is some microbiological contamination. An explanation of the causes are explained in the susceptibility analysis.

Nitrogen compounds

Water quality data indicates that the nitrate levels for all but one of these one hundred sixty six systems are <50% of the SDWA maximum contaminate level (MCL) standards (Table 3). New Market Texaco had two nitrate results that exceeded 50% of the MCL. The samples were both exceptions, because the eight other samples were non-detects. If nitrate is contaminating a well, it is unusual for the results to fluctuate very much, so this leads us to believe that the two samples that were >50% of the MCL could have been due to a reporting, labeling, collection or lab errors. It is not expected that the system will have any more problems with nitrate contamination because the system is served by a well completed in a confined aquifer and nitrate levels in confined aquifers are very low to nonexistent.

None of the systems had nitrite results that exceeded 50% of the MCL of 1 ppm for nitrite.

Microbiological Contaminants

All of the transient water suppliers are routinely sampled for microbiological contamination (total coliform analysis). If this routine sample is positive the sample is also analyzed for fecal coliform and repeat samples are required within twenty-four hours or as soon as possible. This bacteriological sampling is required by the SDWA. Table 4 summarizes the results of the coliform monitoring carried out for each system since 1996. Fifty-six of the systems have never had a positive bacteriological sample. Seventy-two systems have had more than twenty-five percent of their bacteriological samples come back positive since 1996. Ten of the systems have had positive fecal coliform samples.

SUSCEPTIBILITY ANALYSIS

Wells serving the St. Mary's County Transient Water Systems all draw their water from wells in unconsolidated sedimentary aquifers. All of these wells are completed in confined aquifers. The wells drawing from confined aquifers are protected, if the well is maintained and constructed correctly, and are not susceptible to contamination from surface activity.

Inorganic Compounds

None of the systems are susceptible to nitrogen contamination. There are only significant nitrate results for one of the one hundred sixty-six systems. The positive nitrate results for New Market Texaco were both taken in 2002. Because these are the only detects for the system, it is assumed that they are due to a reporting, labeling, sampling, collection, or lab error. There have been no further nitrate detects since these samples were collected.

Volatile Organic Compounds

The only system that has been sampled for volatile organic compounds is Patuxent River Assembly of God. There were no significant volatile organic compound results for these systems. The test results are shown in Table 5.

Microbiological Contaminants

As stated earlier in this report, St. Mary's County's unconsolidated sediments, and soil, provide protection from microbiological contamination as water percolates through the overlying soil and aquifer sediments. Most, if not all, of the microbiological contamination of unconsolidated wells comes from either well construction problems or contamination of the well water with bacteria in either the treatment or distribution.

Well construction problems can be caused from improper completion of the well by the well driller, but are mostly caused by vehicles, or lawnmowers, hitting unprotected wells. Common problems include cracked or broken well casings, and well caps. Pitless adaptors and the grouting can also be damaged during well accidents. Wells constructed in pits or low areas that are subject to flooding should be inspected and sampled to ensure their integrity. Waterproof caps are also available to be installed on wells drilled in areas prone to flooding.

All of these construction deficiencies can allow surface water containing microbiological contaminants to enter a well. Two-piece insect proof caps should be installed on all wells to prevent insects from entering the wellhead, which can cause bacterial problems.

Contaminating clean well water with coliform is very easy. Ion-exchange units, and cartridge filters can harbor bacteria that will cause positive bacterial samples. Storage or a distribution problem or repair can also introduce coliform into the system. Correctly disinfecting the water system is very important after pulling a well pump or completing improvements to the distribution system. Dead ends in the water distribution can also cause bacterial problems.

Confined Wells with > 25% Positive Bacterial Results:

If there are no well construction problems with a well drawing from a confined aquifer, the supply should be safe from microbiological contamination. A review of Table 4 indicates that at least one hundred and ten of the one hundred sixty six confined systems have had at least one positive total coliform sample in the past eight years. Seventy-two of the systems have had greater than 25% of their samples come back positive for coliform.

Any confined water system where >25% of their water samples are positive for bacteria should have their wellhead inspected. This inspection should focus on eliminating any ways that insects or surface water could enter the wellhead. All water systems should also inspect their distribution systems to insure that drinking water is not contaminated through distribution deficiencies. These may include dead ends, cross connections, inadequate backflow prevention and static water in pipes.

SUMMARY AND RECOMMENDATIONS FOR PROTECTING WATER SUPPLIES

Key Findings:

This report identified transient water supplies in St. Mary's County as being more likely to be contaminated by microbiological contaminants than nitrate or nitrite nitrogen. Sources of microbiological contamination, however, are not believed to be related to ground water contamination, but rather the maintenance of the integrity of the individual water supply system. The recommendations that immediately follow are a result of these key findings.

Recommendations for Individual Water System Owners

- The sanitary integrity of the water supply system must be maintained. Sanitary defects noted in county sanitary surveys should be corrected. All work on the water system should be performed in a sanitary manner and followed with a one-time disinfection.
- Coliform testing results are a good indication if the sanitary integrity of the system has been affected. All positive results should be investigated to determine the cause of the positive tests. Corrective action should be taken to eliminate the source of the problem. Any sources with confirmed fecal contamination must be rehabilitated or abandoned.
- Installing new two-piece well caps is a good way to reduce potential contamination from insects. Caulking of the electrical conduit is needed to ensure a sanitary seal.
- Any wells in areas subject to flooding or just above grade should be sampled following significant rain events to demonstrate if they are sensitive to flooding impacts. If they are, a watertight model well cap should be installed.
- Water systems for seasonal facilities should be disinfected and flushed prior to the opening of a new season.

- Wells should be protected from damage by vehicles or other machinery. If a well is or was damaged, it should be repaired. All work on wells should be followed by disinfection to avoid contamination of the water supply.

Recommendations for County Officials

- Continue regular inspection, oversight and testing of transient noncommunity water systems. Ensure that systems correct the cause of positive bacterial test results.
- Test results show that some systems have a high percentage of positive results. Priority should be placed on those systems that have not corrected the root causes of past positive results.

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- Maryland Department of the Environment. Water Supply Program, 1999, Maryland Source Water Assessment Plan
- Maryland Department of the Environment. Water Supply Program, 2004, Source Water Assessment for Community Water Systems in St. Mary's County, MD
- Maryland Department of Natural Resources (DNR), 1987, The Quantity and Natural Quality of Ground Water in Maryland: DNR Water Resources Administration.
- Achmad, Grufron, and Hansen, Harry J., 1997, Hydrogeology, Model Simulation, and Water-Supply Potential of the Aquia and Piney Point-Nanjemoy Aquifers in Calvert and St. Mary's Counties, Maryland: Maryland Geological Survey Report of Investigations No. 64, 197 p.
- Chapelle, Francis H., and Drummond, David D., 1983, Hydrogeology, Digital Simulation, and Geochemistry of the Aquia and Piney Point-Nanjemoy Aquifer System in Southern Maryland: Maryland Geological Survey Report of Investigations No. 38, 100 p.
- Martin, Robert O.R., and Ferguson, H.F., 1953, The Water Resources of St. Mary's County: Department of Geology, Mines, and Water Resources State of Maryland Bulletin 11, 195 p.

Other Sources of Data

Water Appropriation and Use Permits
Calvert County Sanitary Survey Inspection Reports
MDE Water Supply Program (PDWIS) Database
MDE Waste Management Sites Database
Department of Natural Resources Digital Orthophoto Quarter Quadrangles
USGS Topographic 7.5 Minute Quadrangles

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181002	FASTOP	1	1	P		9999	C			
1181005	ABELLS DINER	1	1	P		9999	C			
1181006	ADF CATERING / CHARITY GAMES NORTH	1	1	P		9999	C			
1181007	ANDERSONS BAR	1	1	P		9999	C			
1181008	BEN'S BAR & GROCERY	1	1	P		9999	C			
1181012	BACK ROAD INN, INC.	1	1	P		9999	C			
1181014	RENDEZVOUS	1	1	P	SM1959G003	124C	C	SM034583	-	310
1181015	BERTS 50'S DRIVE IN	1	1	P	SM1978G001	125B	C	SM732898	290	517
1181016	BLACKSTONE MARINA	1	1	P		124C	C	SM945984	300	315
1181017	BRAMBLEY INN	1	1	P	SM1982G006	125B	C	SM734468	250	430
1181018	BRASS RAIL TAVERN	1	1	P	SM1972G012	124E	C	SM720324	105	280
1181022	BURCH MART HOLLYWOOD	1	1	P		9999	C			
1181023	BUTLERS PLACE	1	1	P	SM1986G003	124C	C	SM812041	405	415
1181024	BUZZYS COUNTRY STORE	1	1	P		9999	C			
1181027	SCHOONERS BAR & GRILL / CAPT D RAYS	1	1	P		9999	C			
1181028	CAPTAIN SAMS LIQUORS	1	1	P	SM1968G001	125B	C	SM045631	-	343
1181029	CAPT. LEONARDS SEAFOOD MARKET	1	1	P	SM1981G024	125B	C	SM734321	380	510
1181030	CEDAR COVE MARINA / CAFE	1	1	P	SM1987G040	125B	C	SM812593	210	355
1181032	CHAPTICO MARKET	1	1	P	SM1983G007	125B	C	SM810184	160	320
1181037	CLARKS LANDING BAR & GRILL	1	1	P		9999	C			
1181042	COOKES LIQUORS/DELI	1	1	P		9999	C			
1181043	COPSEYS SEAFOOD	1	1	P		9999	C			
1181044	CORINTHIAN YACHT CLUB	1	1	P		9999	C			
1181046	COUNTRY STORE/KITCHEN	1	1	P		124E	C			
1181047	COURTNEYS RESTAURANT	1	1	P	SM2000G009	124C	C	SM943412	305	355
1181048	DEANS (BUZZYS) MARINA	1	1	P		9999	C			
1181049	DENNIS POINT MARINA / CAMPGROUND	2	1	P	SM1969G002	124E	C	SM733756	168	305
1181049	DENNIS POINT MARINA / CAMPGROUND	1	1	P	SM1969G002	124E	C	SM690098	147	273
1181050	DEW DROP INN/TOOTS BAR	1	1	P		9999	C			
1181051	DJS ONE STOP SHOP	1	1	P	SM1976G023	125B	C	SM732219	294	490
1181058	DRAG-N INN / HENSONS STEAK HOUSE	1	1	P		9999	C			
1181059	ELMS EDUCATION CENTER	1	1	P		9999	C			
1181061	EVANS SEAFOOD REST / SEAFARM	1	1	P	SM1984G022	125B	C	SM813709	305	435
1181062	CORNER CHINA CAFE / STOP & BIG BITE	1	1	P	SM1984G023	124C	C	SM810949	270	350

Table 1, Well information for St. Mary's County Transient Systems.

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181064	COOPER DS TAVERN	1	1	P		9999	C			
1181066	FRANK MORRIS CARRYOUT	1	1	P	SM2000G003	125B	C	SM943140	305	355
1181069	FRIENDLY TAVERN	1	1	P		9999	C			
1181072	GOOD VIEW RESTAURANT	1	1	P	SM1983G030	125B	C	SM810414	360	530
1181073	GREEN DOOR	1	1	P	SM1987G076	124C	C	SM812889	305	415
1181075	CLUB HAPPYLAND	1	1	P		9999	C			
1181085	HILLS CLUB INC	3	1	P	SM1965G003	125B	C	SM951011	460	484
1181086	HILLS GROCERIES	1	1	P	SM1988G102	125B	C	SM813848	300	470
1181087	HOBBS CORNER STORE	1	1	P		9999	C			
1181088	HOLE IN THE WALL BAR	1	1	P	SM1987G071	125B	C	SM812931	390	410
1181089	HOLLYWOOD SHORES CIVIC ASSOC	1	1	P		9999	C			
1181091	HURRYS STORE	1	1	P		9999	C			
1181095	JOLLY GENTS SPORTSMANS CLUB	1	1	P	SM1986G059	124E	C	SM813853	260	348
1181097	KORNER KARRYOUT	1	1	P		9999	C			
1181098	CLIFTONS	1	1	P		9999	C			
1181104	BREWSKIS	1	1	P		9999	C			
1181111	MCKAYS FOODLAND	1	1	P		9999	C			
1181114	MD INTERNATIONAL RACEWAY CONC # 1	1	1	P	SM1983G021	125B	C			
1181115	MD INTERNATIONAL RACEWAY CONC # 2	1	1	P	SM1983G021	125B	C			
1181117	MONKS INN	1	1	P		9999	C			
1181118	COOKS DELI HILLVILLE	1	1	P	SM1988G021	124E	C			
1181121	MURPHYS TOWN & COUNTRY	1	1	P		9999	C			
1181127	OLDE COUNTRY INN (OCI)	1	1	P		9999	C			
1181130	MATTIE'S	1	1	P	SM1981G001	124E	C	SM734041	273	395
1181131	PENNIES BAR & RESTAURANT	1	1	P	SM1957G001	124C	C	SM027659	-	265
1181132	PHILS MARINA	1	1	P		9999	C			
1181135	PLACID HARBOR/IAM EDUC CENTER	1	1	B	SM1976G025	125B	C	SM732243	415	538
1181135	PLACID HARBOR/IAM EDUC CENTER	2	1	P	SM1976G025	125B	C	SM944502	630	655
1181137	POINT LOOKOUT STATE PARK SOUTH	1	1	P	SM1966G009	217	C	SM710339	660	716
1181137	POINT LOOKOUT STATE PARK SOUTH	2	1	P	SM1966G009	217	C			
1181138	POTOMAC GARDENS GROCERY	1	1	P	SM1980G031	125B	C	SM733907	150	332
1181139	POTOMAC SPEEDWAY	1	1	P	SM1992G003	125B	C	SM881717	380	465
1181139	POTOMAC SPEEDWAY	2	1	P	SM1992G003	125B	C	SM882268	374	475
1181142	QUADES STORE	1	1	P		9999	C			

Table 1 (Continued), Well information for St. Mary's County Transient Systems.

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181143	RALEYS TOWN & COUNTRY MARKET	1	1	P	SM1984G026	124C	C	SM811140	280	415
1181145	BARNES AND SON BAR	1	1	P		9999	C			
1181148	SANDGATES INN	1	1	P		9999	C			
1181150	SCHEIBLES FISHING CENTER INC.	1	1	P		124C	C	SM945131	340	370
1181151	SEA BREEZE RESTAURANT	1	1	P		9999	C			
1181153	SEAFOOD CORNER MKT/MOUSETRAP BAR	1	1	P	SM1987G087	125B	C	SM813061	390	485
1181154	SEAFRUIT CO	1	1	P		9999	C			
1181155	SEVEN ELEVEN # 20835 MECHANICSVILLE	1	1	P	SM1979G005	125B	C	SM942452	400	490
1181156	SEVEN ELEVEN # 21067 CHARLOTTE HALL	1	1	P	SM1979G011	125B	C	SM733340	530	540
1181157	BOATEL CALIFORNIA	1	1	P	SM1963G005	125B	C	SM053907	472	487
1181158	SHEAFFERS FOOD MART / CHIEFS BAR	1	1	P	SM1986G049	124C	C	SM812206	155	265
1181158	SHEAFFERS FOOD MART / CHIEFS BAR		1	P	SM1986G049	124C	C	SM920519	205	255
1181160	SNELLMANS GENERAL MERCHANDISE	1	1	P	SM1991G009	124C	C	SM881007	240	328
1181161	SOTTERLY MANSION FOUNDATION		1	P	SM2001G008	125B	C	SM943925	420	530
1181161	SOTTERLY MANSION FOUNDATION	1	1	P	SM2001G008	125B	C	SM943920	420	530
1181162	OLD COUNTRY RIDGE INN/ SOUTHRIDGE REST.	1	1	P		9999	C			
1181165	STONES STORE	1	1	P		9999	C			
1181166	ST INIGOES GENERAL STORE	1	1	P		9999	C			
1181167	LEONARDTOWN FAIRGROUNDS	1	1	P		9999	C			
1181169	ST MARY'S LANDING	1	1	P	SM1983G019	125B	C	SM810318	480	535
1181173	TALL TIMBERS MARINA/RELUCTANT NAVIGATOR	1	1	P	SM1989G068	124C	C	SM880173	175	275
1181176	WILLOWS	1	1	P	SM1991G038	124C	C	SM881161	220	255
1181177	THIRD BASE GROCERY	1	1	P		9999	C			
1181184	H GASS SEAFOOD CARRYOUT	1	1	P	SM1987G085	124C	C	SM813027	370	390
1181187	VILLAGE LIQUORS	1	1	P		9999	C			
1181193	WOODS PRODUCE	1	1	P		9999	C			
1181196	DNR FISHERIES/AQUACULTURE RESEARCH CTR	1	1	P	SM1979G010	125B	C	SM733607	365	465
1181198	ABELLS TAVERN	1	1	P		9999	C			
1181200	BURCH MART MECHANICSVILLE	1	1	P	SM1988G047	125B	C	SM813588	305	495
1181205	LIGHTHOUSE LIQUORS	1	1	P	SM1988G020	125B	C			
1181209	PINEY POINT MARKET	1	1	P		9999	C			
1181211	ST JAMES CORNER STORE / ST JAMES PUB	1	1	P	SM1989G024	124E	C	SM814101	300	465
1181219	NEW MARKET TEXACO	1	1	P	SM1990G014	125B	C	SM880571	420	560
1181224	CAMP ERNEST W BROWN	1	1	P		9999	C			

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Table 1 (Continued), Well information for St. Mary's County Transient Systems.

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181225	CAMP RIVERVIEW	1	1	P		9999	C			
1181225	CAMP RIVERVIEW	2	2	P		9999	C			
1181225	CAMP RIVERVIEW	3	3	P		9999	C			
1181225	CAMP RIVERVIEW	4	4	P		9999	C			
1181235	ST ANDREWS PLAY SCHOOL / EPIS CHURCH	1	1	P	SM1985G044	124E	C			
1181237	POINT LOOKOUT STATE PARK NORTH	2	1	P	SM1966G009	217D	C	SM670090	405	734
1181237	POINT LOOKOUT STATE PARK NORTH	1	1	P	SM1966G009	217D	C	SM882166	-	-
1181238	ST MARYS CITY VISITOR CENTER	1	1	P	SM1983G010	125B	C	SM810362	665	685
1181239	AMERICAN LEGION # 255	1	1	P	SM1961G001	124C	C	SM733001	360	460
1181240	BROME HOWARD INN	1	1	P	SM1994G029	124E	C	SM930049	320	338
1181241	CAPTAIN PATS KITCHEN	1	1	P		9999	C			
1181242	BEAR CREEK BBQ	1	1	P		124C	C	SM944231	330	380
1181243	ORIENTAL MARKET	1	1	P		9999	C			
1181244	BUDDS CREEK MOTOCROSS	1	1	P		9999	C			
1181247	MECHANICSVILLE MOOSE LODGE #495	1	1	P	SM1977G006	125B	C	SM732489	290	483
1181248	DOMINOS PIZZA CHARLOTTE HALL	1	1	P		9999	C			
1181250	WONDER BREAD RETAIL STORE	2	1	P	SM1983G013	125B	C	SM941867	460	535
1181252	GREENWELL STATE PARK	1	1	P	SM1990G067	124C	C	SM943723	295	315
1181253	DRURYS MARINA	1	1	P		9999	C			
1181255	AMERICAN LEGION #221	1	1	P	SM1975G014	125B	C	SM731643	150	298
1181256	ST CLEMENTS ISLAND/POTOMAC RIVER MUSEUM	1	1	P	SM1988G110	125B	C	SM813897	240	350
1181261	ST GEORGES ISLAND IMPROVE ASSOC	1	1	P	SM1991G010	124C	C	SM881005	185	295
1181262	ST JOSEPHS PROJECT COMM CENTER	1	1	P		9999	C			
1181263	CAMP MARIA	1	1	P	SM1973G011	124C	C	SM730341	150	265
1181263	CAMP MARIA			P	SM1973G011	124C	C	SM732206	150	268
1181264	LEONARD COPSEY SEAFOOD CARRYOUT	1	1	P		9999	C			
1181272	PATUXENT RIVER ASSEMBLY OF GOD	1	1	P	SM1974G039	124C	C	SM812501	355	375
1181278	MOUNT ZION UMC AT LAUREL GROVE	1	1	P	SM1977G018	125B	C	SM732662	290	495
1181279	ZION UNITED METHODIST CHURCH	1	1	P		124C	C	SM812354	330	420
1181281	ST LUKES UNITED METHODIST CHURCH	1	1	P	SM2001G001	124E	C	SM943537	380	412
1181282	MOUNT ZION UNITED METHODIST CHURCH	1	1	P		124C	C	SM700069	189	440
1181284	GOSPEL LIGHT BAPTIST CHURCH	1	1	P	SM1991G052	125B	C	SM881886	425	475
1181285	VICTORY BAPTIST CHURCH	1	1	P	SM1979G020	125B	C	SM733460	299	490
1181286	FAITH BIBLE CHURCH	1	1	P	SM1991G050	124C	C	SM881344	245	335

Table 1 (Continued), Well information for St. Mary's County Transient Systems.

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181291	PARK HALL TRUE HOLINESS CHURCH	1	1	P	SM1999G016	124C	C	SM942526	355	415
1181292	HOLLYWOOD WORSHIP CENTER	1	1	P		9999	C			
1181293	SEVENTH DAY ADVENTIST	1	1	P	SM1983G003	124C	C	SM810163	250	345
1181294	EBENEZER AME CHURCH	1	1	P	SM1995G005	125B	C	SM930294	400	536
1181296	MECHANICSVILLE VOLUNTEER FIRE HALL	1	1	P		9999	C			
1181297	HOLLYWOOD VOLUNTEER FIRE HALL	1	1	P	SM1986G008	124C	C	SM812755	350	395
1181298	VALLEY LEE FIRE HALL	1	1	P		124E	C	SM940262	286	300
1181299	RIDGE VOLUNTEER FIRE HALL	1	1	P		9999	C			
1181300	AVENUE 7TH DISTRICT VOLUNTEER FIRE HALL	1	1	P	SM2002G018	125B	C	SM945006	325	400
1181305	SAYSF BIBLE CHURCH	1	1	P		124C	C	SM811327	200	345
1181306	ALL FAITH EPISCOPAL	1	1	P	SM1978G014	125B	C	SM733192	275	490
1181308	ALL SAINTS CHURCH HALL	1	1	P		9999	C			
1181309	CHRIST EPISCOPAL CHURCH	1	1	P	SM1996G025	124C	C	SM940204	273	310
1181310	ST GEORGES EPISCOPAL CHURCH	1	1	P		124C	C	SM032457	262	295
1181311	GOSPEL TABERNACLE OF PRAYER	1	1	P	SM1987G091	125B	C	SM813574	300	440
1181312	ST PAULS LUTHERAN	1	1	P	SM1978G002	125B	C	SM732918	290	490
1181313	HOLLYWOOD CHURCH OF THE NAZARENE	1	1	P	SM1973G013	124C	C	SM730383	189	390
1181313	HOLLYWOOD CHURCH OF THE NAZARENE	2	1	P	SM1973G013	124C	C	SM941525	340	375
1181314	PATUXENT PRESBYTERIAN CHURCH	1	1	P	SM1995G008	124C	C	SM930419	380	394
1181315	IMMACULATE CONCEPTION ROMAN CATH CHUR	1	1	P		9999	C			
1181316	OUR LADY OF THE WAYSIDE CHURCH	1	1	P	SM1983G029	125B	C	SM810433	220	345
1181317	OUR LADYS CHURCH MEDLEYS NECK	1	1	P	SM1969G012	124C	C	SM880359	200	260
1181318	SACRED HEART CHURCH	1	1	P		9999	C			
1181319	ST CECILIAS CHURCH	1	1	P	SM1974G009	124E	C	SM730647	212	400
1181320	ST FRANCIS XAVIER	1	1	P	SM1969G013	125B	C	SM690294	150	350
1181321	ST GEORGES CATHOLIC CHURCH	1	1	P	SM1994G036	124E	C	SM930135	280	365
1181322	ST JOSEPHS CHURCH	1	1	P		9999	C	SM015378	-	417
1181323	ST PETER CLAVES	1	1	P		124C	C	SM944383	360	415
1181325	KIMS DELI WINE & SPIRITS	1	1	P		9999	C			
1181326	LEONARDTOWN S.H.A.	1	1	P		9999	C			
1181327	ENGLISH TEA ROOM/ TEA KOZY	1	1	P	SM1955G002	125B	C	SM018951	-	357
1181327	ENGLISH TEA ROOM/ TEA KOZY	2	1	P	SM1955G002	125B	C	SM028988	-	359
1181330	CECIL PARK CONCESSION STAND	1	1	P	SM1986G034	124E	C	SM812136	273	358
1181331	CORNERSTONE PRESBYTERIAN CHURCH	1	1	P	SM2001G015	124C	C	SM943836	340	354

Table 1 (Continued), Well information for St. Mary's County Transient Systems.

PWSID	System Name	Source	Plant	Use	WAPID	Aquifer Code	Aquifer Type	Permit	Casing Depth	Total Depth
1181332	DORSEY PARK CONCESSION STAND	1	1	P	SM1981G011	124E	C	SM734198	273	340
1181333	GREATER MORNING STAR PENTECOSTAL CHURCH	1	1	P	SM2001G010	124E	C	SM930926	390	410
1181334	HYPERSPACE FUN CENTER	1	1	P		124C	C	SM945365	360	380
1181335	LIVING WORD COMMUNITY CHURCH	1	1	P	SM2002G003	125B	C	SM944418	480	500
1181337	MOUNT CALVARY UMC	1	1	P	SM1980G005	125B	C	SM733696	441	505
1181341	SUNNYS BBQ	1	1	P		9999	C			
1181343	WAWA (MECHANICSVILLE)	1	1	P	SM2001G017	125B	C	SM943987	480	494
1181347	ST MARYS RIVER STATE PARK	1	1	P		9999	C			
1181348	EARLY BIRD CARRYOUT	1	1	P		9999	C			

Table 1 (Continued), Well information for St. Mary's County Transient Systems.

Aquifer Code	Aquifer Name
124E	Piney Point
124C	Nanjemoy
125B	Aquia
217D	Patapsco
9999	Unknown

PWSID	System Name	Plant ID	Known Treatment Methods	Reason for Treatment
1181005	ABELLS DINER	1	No Treatment	None
1181198	ABELLS TAVERN	1	No Treatment	None
1181006	ADF CATERING / CHARITY GAMES NORTH	1	No Treatment	None
1181306	ALL FAITH EPISCOPAL	1	No Treatment	None
1181308	ALL SAINTS CHURCH HALL	1	No Treatment	None
1181239	AMERICAN LEGION # 255	1	No Treatment	None
1181255	AMERICAN LEGION #221	1	No Treatment	None
1181007	ANDERSONS BAR	1	No Treatment	None
1181300	AVENUE 7TH DISTRICT VOLUNTEER FIRE HALL	1	No Treatment	None
1181012	BACK ROAD INN, INC.	1	No Treatment	None
1181145	BARNES AND SON BAR	1	No Treatment	None
1181242	BEAR CREEK BBQ	1	No Treatment	None
1181008	BEN'S BAR & GROCERY	1	No Treatment	None
1181015	BERTS 50'S DRIVE IN	1	No Treatment	None
1181016	BLACKSTONE MARINA	1	No Treatment	None
1181157	BOATEL CALIFORNIA	1	No Treatment	None
1181017	BRAMBLEY INN	1	No Treatment	None
1181104	BREWSKIS	1	No Treatment	None
1181240	BROME HOWARD INN	1	No Treatment	None
1181244	BUDDS CREEK MOTOCROSS	1	No Treatment	None
1181022	BURCH MART HOLLYWOOD	1	No Treatment	None
1181200	BURCH MART MECHANICSVILLE	1	No Treatment	None
1181023	BUTLERS PLACE	1	No Treatment	None
1181024	BUZZYS COUNTRY STORE	1	No Treatment	None
1181224	CAMP ERNEST W BROWN	1	No Treatment	None
1181263	CAMP MARIA	1	No Treatment	None
1181225	CAMP RIVERVIEW	4	No Treatment	None
1181225	CAMP RIVERVIEW	2	No Treatment	None
1181225	CAMP RIVERVIEW	3	No Treatment	None
1181225	CAMP RIVERVIEW	1	No Treatment	None
1181029	CAPT. LEONARDS SEAFOOD MARKET	1	No Treatment	None
1181241	CAPTAIN PATS KITCHEN	1	No Treatment	None
1181028	CAPTAIN SAMS LIQUORS	1	No Treatment	None
1181030	CEDAR COVE MARINA / CAFE	1	No Treatment	None

Table 2, Known Treatment Methods for St. Mary's County Transient Systems.

PWSID	System Name	Plant ID	Known Treatment Methods	Reason for Treatment
1181032	CHAPTICO MARKET	1	No Treatment	None
1181309	CHRIST EPISCOPAL CHURCH	1	No Treatment	None
1181037	CLARKS LANDING BAR & GRILL	1	No Treatment	None
1181098	CLIFTONS	1	No Treatment	None
1181075	CLUB HAPPYLAND	1	No Treatment	None
1181042	COOKES LIQUORS/DELI	1	No Treatment	None
1181118	COOKS DELI HILLVILLE	1	No Treatment	None
1181064	COOPER DS TAVERN	1	No Treatment	None
1181043	COPSEYS SEAFOOD	1	No Treatment	None
1181044	CORINTHIAN YACHT CLUB	1	No Treatment	None
1181062	CORNER CHINA CAFE / STOP & BIG BITE	1	No Treatment	None
1181046	COUNTRY STORE/KITCHEN	1	No Treatment	None
1181047	COURTNEYS RESTAURANT	1	No Treatment	None
1181048	DEANS (BUZZYS) MARINA	1	No Treatment	None
1181049	DENNIS POINT MARINA / CAMPGROUND	1	No Treatment	None
1181050	DEW DROP INN/TOOTS BAR	1	No Treatment	None
1181051	DJS ONE STOP SHOP	1	No Treatment	None
1181196	DNR FISHERIES/AQUACULTURE RESEARCH CTR	1	No Treatment	None
1181248	DOMINOS PIZZA CHARLOTTE HALL	1	No Treatment	None
1181058	DRAG-N INN / HENSONS STEAK HOUSE	1	No Treatment	None
1181253	DRURYS MARINA	1	No Treatment	None
1181348	EARLY BIRD CARRYOUT	1	No Treatment	None
1181294	EBENEZER AME CHURCH	1	No Treatment	None
1181059	ELMS EDUCATION CENTER	1	No Treatment	None
1181327	ENGLISH TEA ROOM/ TEA KOZY	1	No Treatment	None
1181061	EVANS SEAFOOD REST / SEAFARM	1	No Treatment	None
1181286	FAITH BIBLE CHURCH	1	No Treatment	None
1181002	FASTOP	1	No Treatment	None
1181066	FRANK MORRIS CARRYOUT	1	No Treatment	None
1181069	FRIENDLY TAVERN	1	No Treatment	None
1181072	GOOD VIEW RESTAURANT	1	No Treatment	None
1181284	GOSPEL LIGHT BAPTIST CHURCH	1	No Treatment	None
1181311	GOSPEL TABERNACLE OF PRAYER	1	No Treatment	None
1181073	GREEN DOOR	1	No Treatment	None

Table 2 (Continued), Known Treatment Methods for St. Mary's County Transient Systems.

PWSID	System Name	Plant ID	Known Treatment Methods	Reason for Treatment
1181252	GREENWELL STATE PARK	1	No Treatment	None
1181184	H GASS SEAFOOD CARRYOUT	1	No Treatment	None
1181085	HILLS CLUB INC	1	No Treatment	None
1181086	HILLS GROCERIES	1	No Treatment	None
1181087	HOBBS CORNER STORE	1	No Treatment	None
1181088	HOLE IN THE WALL BAR	1	No Treatment	None
1181313	HOLLYWOOD CHURCH OF THE NAZARENE	1	No Treatment	None
1181089	HOLLYWOOD SHORES CIVIC ASSOC	1	No Treatment	None
1181297	HOLLYWOOD VOLUNTEER FIRE HALL	1	No Treatment	None
1181292	HOLLYWOOD WORSHIP CENTER	1	No Treatment	None
1181091	HURRYS STORE	1	No Treatment	None
1181315	IMMACULATE CONCEPTION ROMAN CATH CHUR	1	No Treatment	None
1181095	JOLLY GENTS SPORTSMANS CLUB	1	No Treatment	None
1181325	KIMS DELI WINE & SPIRITS	1	No Treatment	None
1181097	KORNER KARRYOUT	1	No Treatment	None
1181264	LEONARD COPSEY SEAFOOD CARRYOUT	1	No Treatment	None
1181167	LEONARDTOWN FAIRGROUNDS	1	No Treatment	None
1181326	LEONARDTOWN S.H.A.	1	No Treatment	None
1181205	LIGHTHOUSE LIQUORS	1	No Treatment	None
1181130	MATTIE'S	1	No Treatment	None
1181111	MCKAYS FOODLAND	1	No Treatment	None
1181114	MD INTERNATIONAL RACEWAY CONC # 1	1	No Treatment	None
1181115	MD INTERNATIONAL RACEWAY CONC # 2	1	No Treatment	None
1181247	MECHANICSVILLE MOOSE LODGE #495	1	No Treatment	None
1181296	MECHANICSVILLE VOLUNTEER FIRE HALL	1	No Treatment	None
1181117	MONKS INN	1	No Treatment	None
1181278	MOUNT ZION UMC AT LAUREL GROVE	1	No Treatment	None
1181282	MOUNT ZION UNITED METHODIST CHURCH	1	No Treatment	None
1181121	MURPHYS TOWN & COUNTRY	1	No Treatment	None
1181219	NEW MARKET TEXACO	1	No Treatment	None
1181162	OLD COUNTRY RIDGE INN/ SOUTHRIDGE REST.	1	No Treatment	None
1181127	OLDE COUNTRY INN (OCI)	1	No Treatment	None
1181243	ORIENTAL MARKET	1	No Treatment	None
1181316	OUR LADY OF THE WAYSIDE CHURCH	1	No Treatment	None

Table 2 (Continued), Known Treatment Methods for St. Mary's County Transient Systems.

PWSID	System Name	Plant ID	Known Treatment Methods	Reason for Treatment
1181317	OUR LADYS CHURCH MEDLEYS NECK	1	No Treatment	None
1181291	PARK HALL TRUE HOLINESS CHURCH	1	No Treatment	None
1181314	PATUXENT PRESBYTERIAN CHURCH	1	No Treatment	None
1181272	PATUXENT RIVER ASSEMBLY OF GOD	1	No Treatment	None
1181131	PENNIES BAR & RESTAURANT	1	No Treatment	None
1181132	PHILS MARINA	1	No Treatment	None
1181209	PINEY POINT MARKET	1	No Treatment	None
1181135	PLACID HARBOR/IAM EDUC CENTER	1	No Treatment	None
1181237	POINT LOOKOUT STATE PARK NORTH	1	Post Hypochlorination	Disinfection
1181137	POINT LOOKOUT STATE PARK SOUTH	1	Post Hypochlorination	Disinfection
1181138	POTOMAC GARDENS GROCERY	1	No Treatment	None
1181139	POTOMAC SPEEDWAY	1	No Treatment	None
1181142	QUADES STORE	1	No Treatment	None
1181143	RALEYS TOWN & COUNTRY MARKET	1	No Treatment	None
1181014	RENDEZVOUS	1	No Treatment	None
1181299	RIDGE VOLUNTEER FIRE HALL	1	No Treatment	None
1181318	SACRED HEART CHURCH	1	No Treatment	None
1181148	SANDGATES INN	1	No Treatment	None
1181305	SAYSF BIBLE CHURCH	1	No Treatment	None
1181150	SCHEIBLES FISHING CENTER INC.	1	No Treatment	None
1181027	SCHOONERS BAR & GRILL / CAPT D RAYS	1	No Treatment	None
1181151	SEA BREEZE RESTAURANT	1	No Treatment	None
1181153	SEAFOOD CORNER MKT/MOUSETRAP BAR	1	No Treatment	None
1181154	SEAFRUIT CO	1	No Treatment	None
1181155	SEVEN ELEVEN # 20835 MECHANICSVILLE	1	No Treatment	None
1181156	SEVEN ELEVEN # 21067 CHARLOTTE HALL	1	No Treatment	None
1181293	SEVENTH DAY ADVENTIST	1	No Treatment	None
1181158	SHEAFFERS FOOD MART / CHIEFS BAR	1	No Treatment	None
1181160	SNELLMANS GENERAL MERCHANDISE	1	No Treatment	None
1181161	SOTTERLY MANSION FOUNDATION	1	No Treatment	None
1181235	ST ANDREWS PLAY SCHOOL / EPIS CHURCH	1	No Treatment	None
1181319	ST CECILIAS CHURCH	1	No Treatment	None
1181256	ST CLEMENTS ISLAND/POTOMAC RIVER MUSEUM	1	No Treatment	None
1181301	ST FRANCIS ROMAN CATHOLIC CHURCH	1	No Treatment	None

Table 2 (Continued), Known Treatment Methods for St. Mary's County Transient Systems.

PWSID	System Name	Plant ID	Known Treatment Methods	Reason for Treatment
1181320	ST FRANCIS XAVIER	1	No Treatment	None
1181321	ST GEORGES CATHOLIC CHURCH	1	No Treatment	None
1181310	ST GEORGES EPISCOPAL CHURCH	1	No Treatment	None
1181261	ST GEORGES ISLAND IMPROVE ASSOC	1	No Treatment	None
1181166	ST INIGOES GENERAL STORE	1	No Treatment	None
1181211	ST JAMES CORNER STORE / ST JAMES PUB	1	No Treatment	None
1181322	ST JOSEPHS CHURCH	1	No Treatment	None
1181262	ST JOSEPHS PROJECT COMM CENTER	1	No Treatment	None
1181281	ST LUKES UNITED METHODIST CHURCH	1	No Treatment	None
1181238	ST MARYS CITY VISITOR CENTER	1	No Treatment	None
1181169	ST MARY'S LANDING	1	No Treatment	None
1181312	ST PAULS LUTHERAN	1	No Treatment	None
1181323	ST PETER CLAVES	1	No Treatment	None
1181165	STONES STORE	1	No Treatment	None
1181173	TALL TIMBERS MARINA/RELUCTANT NAVIGATOR	1	No Treatment	None
1181177	THIRD BASE GROCERY	1	No Treatment	None
1181298	VALLEY LEE FIRE HALL	1	No Treatment	None
1181285	VICTORY BAPTIST CHURCH	1	No Treatment	None
1181187	VILLAGE LIQUORS	1	No Treatment	None
1181176	WILLOWS	1	No Treatment	None
1181250	WONDER BREAD RETAIL STORE	1	No Treatment	None
1181193	WOODS PRODUCE	1	No Treatment	None
1181279	ZION UNITED METHODIST CHURCH	1	No Treatment	None

Table 2 (Continued), Known Treatment Methods for St. Mary's County Transient Systems.

* Any systems not listed in this table do not have any treatment information at this time.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181104	BREWSKIS	4	0	0	1	0
1181002	FASTOP	4	0	0	1	0
1181005	ABELLS DINER	5	0	0	1	0
1181006	ADF CATERING / CHARITY GAMES NORTH	6	0	0	1	0
1181007	ANDERSONS BAR	5	0	0	2	0
1181008	BEN'S BAR & GROCERY	5	0	0	1	0
1181012	BACK ROAD INN, INC.	5	0	0	1	0
1181014	RENDEZVOUS	2	0	0	1	0
1181015	BERTS 50'S DRIVE IN	7	0	0	1	0
1181016	BLACKSTONE MARINA	4	0	0	1	0
1181017	BRAMBLEY INN	4	0	0	1	0
1181018	BRASS RAIL TAVERN	5	0	0	1	0
1181022	BURCH MART HOLLYWOOD	4	0	0	1	0
1181023	BUTLERS PLACE	1	0	0	1	0
1181024	BUZZYS COUNTRY STORE	6	0	0	1	0
1181027	SCHOONERS BAR & GRILL / CAPT D RAYS	7	0	0	2	0
1181028	CAPTAIN SAMS LIQUORS	6	0	0	1	0
1181029	CAPT. LEONARDS SEAFOOD MARKET	6	0	0	1	0
1181030	CEDAR COVE MARINA / CAFE	4	0	0	2	0
1181032	CHAPTICO MARKET	6	0	0	1	0
1181037	CLARKS LANDING BAR & GRILL	5	0	0	1	0
1181042	COOKES LIQUORS/DELI	6	0	0	1	0
1181043	COPSEYS SEAFOOD	7	0	0	1	0
1181044	CORINTHIAN YACHT CLUB	4	0	0	2	0
1181046	COUNTRY STORE/KITCHEN	2	0	0	1	0
1181047	COURTNEYS RESTAURANT	3	0	0	1	0
1181048	DEANS (BUZZYS) MARINA	5	0	0	1	0
1181049	DENNIS POINT MARINA / CAMPGROUND	3	0	0	1	0
1181050	DEW DROP INN/TOOTS BAR	3	0	0	1	0
1181051	DJS ONE STOP SHOP	5	0	0	1	0
1181058	DRAG-N INN / HENSONS STEAK HOUSE	4	0	0	1	0
1181059	ELMS EDUCATION CENTER	3	0	0	1	0

Table 3, Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181061	EVANS SEAFOOD REST / SEAFARM	3	0	0	1	0
1181062	CORNER CHINA CAFE / STOP & BIG BITE	4	0	0	1	0
1181064	COOPER DS TAVERN	2	0	0	1	0
1181066	FRANK MORRIS CARRYOUT	5	0	0	1	0
1181069	FRIENDLY TAVERN	5	0	0	1	0
1181072	GOOD VIEW RESTAURANT	4	0	0	2	0
1181073	GREEN DOOR	4	0	0	1	0
1181075	CLUB HAPPYLAND	3	0	0	1	0
1181085	HILLS CLUB INC	5	0	0	1	0
1181086	HILLS GROCERIES	5	0	0	1	0
1181087	HOBBS CORNER STORE	3	0	0	1	0
1181088	HOLE IN THE WALL BAR	1	0	0	1	0
1181089	HOLLYWOOD SHORES CIVIC ASSOC	3	0	0	1	0
1181091	HURRYS STORE	4	0	0	1	0
1181095	JOLLY GENTS SPORTSMANS CLUB	7	0	0	2	0
1181097	KORNER KARRYOUT	6	0	0	1	0
1181098	CLIFTONS	5	0	0	1	0
1181111	MCKAYS FOODLAND	5	0	0	1	0
1181114	MD INTERNATIONAL RACEWAY CONC # 1	5	0	0	2	0
1181115	MD INTERNATIONAL RACEWAY CONC # 2	2	0	0	1	0
1181117	MONKS INN	4	0	0	1	0
1181118	COOKS DELI HILLVILLE	5	0	0	1	0
1181121	MURPHYS TOWN & COUNTRY	6	0	0	1	0
1181127	OLDE COUNTRY INN (OCI)	4	0	0	2	0
1181130	MATTIE'S	4	0	0	1	0
1181131	PENNIES BAR & RESTAURANT	6	0	0	3	0
1181132	PHILS MARINA	4	0	0	2	0
1181135	PLACID HARBOR/AM EDUC CENTER	5	0	0	1	0
1181137	POINT LOOKOUT STATE PARK SOUTH	11	0	0	3	0
1181138	POTOMAC GARDENS GROCERY	5	0	0	1	0
1181139	POTOMAC SPEEDWAY	3	0	0	1	0
1181142	QUADES STORE	6	0	0	1	0

Table 3 (Continued), Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181143	RALEYS TOWN & COUNTRY MARKET	5	0	0	1	0
1181145	BARNES AND SON BAR	4	0	0	1	0
1181148	SANDGATES INN	6	0	0	1	0
1181150	SCHEIBLES FISHING CENTER INC.	4	0	0	2	0
1181151	SEA BREEZE RESTAURANT	8	0	0	1	0
1181153	SEAFOOD CORNER MKT/MOUSETRAP BAR	5	0	0	1	0
1181154	SEAFRUIT CO	3	0	0	1	0
1181155	SEVEN ELEVEN # 20835 MECHANICSVILLE	7	0	0	1	0
1181156	SEVEN ELEVEN # 21067 CHARLOTTE HALL	6	0	0	1	0
1181157	BOATEL CALIFORNIA	4	0	0	1	0
1181158	SHEAFFERS FOOD MART / CHIEFS BAR	4	0	0	1	0
1181160	SNELLMANS GENERAL MERCHANDISE	5	0	0	2	0
1181161	SOTTERLY MANSION FOUNDATION	4	0	0	1	0
1181162	OLD COUNTRY RIDGE INN/ SOUTHRIDGE REST.	3	0	0	1	0
1181165	STONES STORE	3	0	0	1	0
1181166	ST INIGOES GENERAL STORE	4	0	0	2	0
1181167	LEONARDTOWN FAIRGROUNDS	3	0	0	2	0
1181169	ST MARY'S LANDING	5	0	0	1	0
1181173	TALL TIMBERS MARINA/RELUCTANT NAVIGATOR	4	0	0	1	0
1181176	WILLOWS	3	0	0	1	0
1181177	THIRD BASE GROCERY	5	0	0	1	0
1181184	H GASS SEAFOOD CARRYOUT	7	0	0	1	0
1181187	VILLAGE LIQUORS	4	0	0	1	0
1181193	WOODS PRODUCE	6	0	0	1	0
1181196	DNR FISHERIES/AQUACULTURE RESEARCH CTR	3	0	0	1	0
1181198	ABELLS TAVERN	6	0	0	2	0
1181200	BURCH MART MECHANICSVILLE	7	0	0	1	0
1181205	LIGHTHOUSE LIQUORS	5	0	0	1	0
1181209	PINEY POINT MARKET	4	0	0	1	0
1181211	ST JAMES CORNER STORE / ST JAMES PUB	4	0	0	1	0
1181219	NEW MARKET TEXACO	10	2	2	1	0
1181224	CAMP ERNEST W BROWN	5	0	0	2	0

Table 3 (Continued), Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181225	CAMP RIVERVIEW	35	0	0	8	0
1181235	ST ANDREWS PLAY SCHOOL / EPIS CHURCH	4	0	0	2	0
1181237	POINT LOOKOUT STATE PARK NORTH	11	0	0	2	0
1181238	ST MARYS CITY VISITOR CENTER	5	0	0	2	0
1181239	AMERICAN LEGION # 255	3	0	0	1	0
1181240	BROME HOWARD INN	3	0	0	1	0
1181241	CAPTAIN PATS KITCHEN	4	0	0	1	0
1181242	BEAR CREEK BBQ	6	0	0	1	0
1181243	ORIENTAL MARKET	5	0	0	1	0
1181244	BUDDS CREEK MOTOCROSS	2	0	0	1	0
1181247	MECHANICSVILLE MOOSE LODGE #495	6	0	0	1	0
1181248	DOMINOS PIZZA CHARLOTTE HALL	5	0	0	1	0
1181250	WONDER BREAD RETAIL STORE	6	0	0	1	0
1181252	GREENWELL STATE PARK	10	0	0	2	0
1181253	DRURYS MARINA	4	0	0	1	0
1181255	AMERICAN LEGION #221	5	0	0	1	0
1181256	ST CLEMENTS ISLAND/POTOMAC RIVER MUSEUM	6	0	0	2	0
1181261	ST GEORGES ISLAND IMPROVE ASSOC	2	0	0	1	0
1181262	ST JOSEPHS PROJECT COMM CENTER	4	0	0	1	0
1181263	CAMP MARIA	3	0	0	2	0
1181264	LEONARD COPSEY SEAFOOD CARRYOUT	3	0	0	1	0
1181272	PATUXENT RIVER ASSEMBLY OF GOD	2	0	0	1	0
1181278	MOUNT ZION UMC AT LAUREL GROVE	4	0	0	1	0
1181279	ZION UNITED METHODIST CHURCH	2	0	0	1	0
1181281	ST LUKES UNITED METHODIST CHURCH	3	0	0	1	0
1181282	MOUNT ZION UNITED METHODIST CHURCH	2	0	0	1	0
1181284	GOSPEL LIGHT BAPTIST CHURCH	6	0	0	1	0
1181285	VICTORY BAPTIST CHURCH	5	0	0	1	0
1181286	FAITH BIBLE CHURCH	6	0	0	1	0
1181291	PARK HALL TRUE HOLINESS CHURCH	3	0	0	1	0
1181292	HOLLYWOOD WORSHIP CENTER	6	0	0	1	0
1181293	SEVENTH DAY ADVENTIST	3	0	0	2	0

Table 3 (Continued), Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181294	EBENEZER AME CHURCH	5	0	0	1	0
1181296	MECHANICSVILLE VOLUNTEER FIRE HALL	5	0	0	1	0
1181297	HOLLYWOOD VOLUNTEER FIRE HALL	9	0	0	2	0
1181298	VALLEY LEE FIRE HALL	4	0	0	1	0
1181299	RIDGE VOLUNTEER FIRE HALL	4	0	0	2	0
1181300	AVENUE 7TH DISTRICT VOLUNTEER FIRE HALL	6	0	0	2	0
1181305	SAYSF BIBLE CHURCH	3	0	0	1	0
1181306	ALL FAITH EPISCOPAL	5	0	0	1	0
1181308	ALL SAINTS CHURCH HALL	3	0	0	1	0
1181309	CHRIST EPISCOPAL CHURCH	5	0	0	1	0
1181310	ST GEORGES EPISCOPAL CHURCH	3	0	0	1	0
1181311	GOSPEL TABERNACLE OF PRAYER	3	0	0	1	0
1181312	ST PAULS LUTHERAN	5	0	0	1	0
1181313	HOLLYWOOD CHURCH OF THE NAZARENE	4	0	0	1	0
1181314	PATUXENT PRESBYTERIAN CHURCH	3	0	0	1	0
1181315	IMMACULATE CONCEPTION ROMAN CATH CHUR	5	0	0	1	0
1181316	OUR LADY OF THE WAYSIDE CHURCH	6	0	0	1	0
1181317	OUR LADYS CHURCH MEDLEYS NECK	4	0	0	1	0
1181318	SACRED HEART CHURCH	5	0	0	1	0
1181319	ST CECILIAS CHURCH	2	0	0	1	0
1181320	ST FRANCIS XAVIER	4	0	0	1	0
1181321	ST GEORGES CATHOLIC CHURCH	3	0	0	1	0
1181322	ST JOSEPHS CHURCH	5	0	0	1	0
1181323	ST PETER CLAVES	2	0	0	1	0
1181325	KIMS DELI WINE & SPIRITS	6	0	0	2	0
1181326	LEONARDTOWN S.H.A.	5	0	0	1	0
1181327	ENGLISH TEA ROOM/ TEA KOZY	4	0	0	1	0
1181330	CECIL PARK CONCESSION STAND	2	0	0	1	0
1181331	CORNERSTONE PRESBYTERIAN CHURCH	2	0	0	1	0
1181332	DORSEY PARK CONCESSION STAND	2	0	0	1	0
1181333	GREATER MORNING STAR PENTECOSTAL CHURCH	2	0	0	1	0
1181334	HYPERSPACE FUN CENTER	2	0	0	1	0

Table 3 (Continued), Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total # of Nitrate Samples	Number of Nitrate Samples		Total # of Nitrite Samples	Number of Nitrite Samples > 50% MCL
			>1 ppm	> 50% MCL		
1181335	LIVING WORD COMMUNITY CHURCH	3	0	0	1	0
1181337	MOUNT CALVARY UMC	3	0	0	1	0
1181341	SUNNYS BBQ	5	0	0	1	0
1181343	WAWA (MECHANICSVILLE)	7	0	0	1	0
1181347	ST MARYS RIVER STATE PARK	1	0	0	1	0
1181348	EARLY BIRD CARRYOUT	3	0	0	1	0

Table 3 (Continued), Total IOC Water Quality Samples Collected for Transient Systems.

PWSID	System Name	Total Number of Samples Taken	Number of Positive Bacti. Samples	Percentage of Total Samples Positive	Number of Positive Fecal Samples
1181104	BREWSKIS	22	11	50	0
1181005	ABELLS DINER	27	8	30	0
1181198	ABELLS TAVERN	48	27	56	4
1181006	ADF CATERING / CHARITY GAMES NORTH	38	20	53	0
1181306	ALL FAITH EPISCOPAL	56	32	57	0
1181308	ALL SAINTS CHURCH HALL	17	2	12	0
1181239	AMERICAN LEGION # 255	19	5	26	0
1181255	AMERICAN LEGION #221	24	6	25	0
1181007	ANDERSONS BAR	36	18	78	0
1181300	AVENUE 7TH DISTRICT VOLUNTEER FIRE HALL	15	4	27	0
1181012	BACK ROAD INN, INC.	31	5	16	0
1181145	BARNES AND SON BAR	12	2	17	0
1181242	BEAR CREEK BBQ	18	2	11	0
1181008	BEN'S BAR & GROCERY	18	5	28	0
1181015	BERTS 50'S DRIVE IN	84	44	52	1
1181016	BLACKSTONE MARINA	19	2	11	0
1181157	BOATEL CALIFORNIA	38	11	29	2
1181017	BRAMBLEY INN	17	8	47	1
1181018	BRASS RAIL TAVERN	27	12	44	0
1181240	BROME HOWARD INN	17	2	12	0
1181244	BUDDS CREEK MOTOCROSS	21	4	19	0
1181022	BURCH MART HOLLYWOOD	13	0	0	0
1181200	BURCH MART MECHANICSVILLE	26	5	19	0
1181023	BUTLERS PLACE	4	1	25	0
1181024	BUZZYS COUNTRY STORE	10	0	0	0
1181224	CAMP ERNEST W BROWN	20	6	30	0
1181263	CAMP MARIA	42	19	45	0
1181225	CAMP RIVERVIEW	19	1	5	0
1181029	CAPT. LEONARDS SEAFOOD MARKET	16	1	6	0
1181241	CAPTAIN PATS KITCHEN	60	28	47	0
1181028	CAPTAIN SAMS LIQUORS	14	0	0	0
1181330	CECIL PARK CONCESSION STAND	18	0	0	0
1181030	CEDAR COVE MARINA / CAFE	12	0	0	0
1181032	CHAPTICO MARKET	23	4	17	0
1181309	CHRIST EPISCOPAL CHURCH	12	1	8	0
1181037	CLARKS LANDING BAR & GRILL	15	0	0	0

Table 4, Routine and Repeat Bacteriological Samples for each System Since 1996.

PWSID	System Name	Total Number of Samples Taken	Number of Positive Bacti. Samples	Percentage of Total Samples Positive	Number of Positive Fecal Samples
1181098	CLIFTONS	8	0	0	0
1181075	CLUB HAPPYLAND	26	22	85	5
1181042	COOKES LIQUORS/DELI	20	1	5	0
1181118	COOKS DELI HILLVILLE	17	4	24	0
1181064	COOPER DS TAVERN	5	1	20	0
1181043	COPSEYS SEAFOOD	55	22	40	0
1181044	CORINTHIAN YACHT CLUB	10	0	0	0
1181062	CORNER CHINA CAFE / STOP & BIG BITE	18	1	6	0
1181331	CORNERSTONE PRESBYTERIAN CHURCH	16	10	63	0
1181046	COUNTRY STORE/KITCHEN	25	10	40	0
1181047	COURTNEYS RESTAURANT	11	1	10	0
1181048	DEANS (BUZZYS) MARINA	8	0	0	0
1181049	DENNIS POINT MARINA / CAMPGROUND	12	0	0	0
1181050	DEW DROP INN/TOOTS BAR	24	13	54	0
1181051	DJS ONE STOP SHOP	16	0	0	0
1181196	DNR FISHERIES/AQUACULTURE RESEARCH CTR	35	20	57	0
1181248	DOMINOS PIZZA CHARLOTTE HALL	21	3	14	0
1181332	DORSEY PARK CONCESSION STAND	8	0	0	0
1181058	DRAG-N INN / HENSONS STEAK HOUSE	33	10	30	0
1181253	DRURYS MARINA	11	0	0	0
1181348	EARLY BIRD CARRYOUT	1	0	0	0
1181294	EBENEZER AME CHURCH	8	0	0	0
1181059	ELMS EDUCATION CENTER	30	8	27	0
1181327	ENGLISH TEA ROOM/ TEA KOZY	8	1	13	0
1181061	EVANS SEAFOOD REST / SEAFARM	17	2	12	0
1181286	FAITH BIBLE CHURCH	19	9	47	0
1181002	FASTOP	14	0	0	0
1181066	FRANK MORRIS CARRYOUT	20	10	50	0
1181069	FRIENDLY TAVERN	57	25	44	0
1181072	GOOD VIEW RESTAURANT	14	3	21	1
1181284	GOSPEL LIGHT BAPTIST CHURCH	33	16	48	0
1181311	GOSPEL TABERNACLE OF PRAYER	41	21	51	0
1181333	GREATER MORNING STAR PENTECOSTAL CHURCH	48	39	81	0
1181073	GREEN DOOR	38	30	79	0
1181252	GREENWELL STATE PARK	35	16	46	0

Table 4 (Continued), Routine and Repeat Bacteriological Samples for each System Since 1996.

PWSID	System Name	Total Number of Samples Taken	Number of Positive Bacti. Samples	Percentage of Total Samples Positive	Number of Positive Fecal Samples
1181184	H GASS SEAFOOD CARRYOUT	26	8	31	0
1181085	HILLS CLUB INC	11	1	9	0
1181086	HILLS GROCERIES	48	16	33	0
1181087	HOBBS CORNER STORE	22	10	45	0
1181088	HOLE IN THE WALL BAR	6	0	0	0
1181313	HOLLYWOOD CHURCH OF THE NAZARENE	22	7	32	0
1181089	HOLLYWOOD SHORES CIVIC ASSOC	12	4	33	0
1181297	HOLLYWOOD VOLUNTEER FIRE HALL	39	18	46	0
1181292	HOLLYWOOD WORSHIP CENTER	10	0	0	0
1181091	HURRYS STORE	10	0	0	0
1181334	HYPERSPACE FUN CENTER	9	1	11	0
1181315	IMMACULATE CONCEPTION ROMAN CATH CHUR	11	0	0	0
1181095	JOLLY GENTS SPORTSMANS CLUB	21	6	29	0
1181325	KIMS DELI WINE & SPIRITS	29	10	35	0
1181097	KORNER KARRYOUT	39	16	41	0
1181264	LEONARD COPSEY SEAFOOD CARRYOUT	9	0	0	0
1181167	LEONARDTOWN FAIRGROUNDS	23	10	44	0
1181326	LEONARDTOWN S.H.A.	4	0	0	0
1181205	LIGHTHOUSE LIQUORS	18	1	6	0
1181335	LIVING WORD COMMUNITY CHURCH	10	1	10	0
1181130	MATTIE'S	38	24	63	0
1181111	MCKAYS FOODLAND	14	0	0	0
1181114	MD INTERNATIONAL RACEWAY CONC # 1	23	4	17	1
1181115	MD INTERNATIONAL RACEWAY CONC # 2	10	1	10	0
1181247	MECHANICSVILLE MOOSE LODGE #495	54	26	48	0
1181296	MECHANICSVILLE VOLUNTEER FIRE HALL	10	0	0	0
1181117	MONKS INN	41	26	63	0
1181337	MOUNT CALVARY UMC	7	0	0	0
1181278	MOUNT ZION UMC AT LAUREL GROVE	6	0	0	0
1181282	MOUNT ZION UNITED METHODIST CHURCH	29	17	59	0
1181121	MURPHYS TOWN & COUNTRY	13	0	0	0
1181219	NEW MARKET TEXACO	33	15	45	0
1181162	OLD COUNTRY RIDGE INN/ SOUTHRIDGE REST.	10	0	0	0
1181127	OLDE COUNTRY INN (OCI)	49	25	51	0
1181243	ORIENTAL MARKET	14	0	0	0

Table 4 (Continued), Routine and Repeat Bacteriological Samples for each System Since 1996.

PWSID	System Name	Total Number of Samples Taken	Number of Positive Bacti. Samples	Percentage of Total Samples Positive	Number of Positive Fecal Samples
1181316	OUR LADY OF THE WAYSIDE CHURCH	19	8	42	0
1181317	OUR LADYS CHURCH MEDLEYS NECK	62	36	58	0
1181291	PARK HALL TRUE HOLINESS CHURCH	9	1	11	0
1181314	PATUXENT PRESBYTERIAN CHURCH	8	0	0	0
1181272	PATUXENT RIVER ASSEMBLY OF GOD	23	16	70	0
1181131	PENNIES BAR & RESTAURANT	15	0	0	0
1181132	PHILS MARINA	11	0	0	0
1181209	PINEY POINT MARKET	29	13	45	0
1181135	PLACID HARBOR/IAM EDUC CENTER	12	0	0	0
1181237	POINT LOOKOUT STATE PARK NORTH	9	0	0	0
1181137	POINT LOOKOUT STATE PARK SOUTH	4	0	0	0
1181138	POTOMAC GARDENS GROCERY	13	1	8	0
1181139	POTOMAC SPEEDWAY	13	2	15	0
1181142	QUADES STORE	17	1	6	0
1181143	RALEYS TOWN & COUNTRY MARKET	13	0	0	0
1181014	RENDEZVOUS	62	46	74	2
1181299	RIDGE VOLUNTEER FIRE HALL	7	0	0	0
1181318	SACRED HEART CHURCH	9	0	0	0
1181148	SANDGATES INN	17	1	6	0
1181305	SAYSF BIBLE CHURCH	6	0	0	0
1181150	SCHEIBLES FISHING CENTER INC.	38	18	47	0
1181027	SCHOONERS BAR & GRILL / CAPT D RAYS	59	28	48	0
1181151	SEA BREEZE RESTAURANT	20	1	5	0
1181153	SEAFOOD CORNER MKT/MOUSETRAP BAR	13	0	0	0
1181154	SEAFRUIT CO	15	5	33	0
1181155	SEVEN ELEVEN # 20835 MECHANICSVILLE	18	0	0	0
1181156	SEVEN ELEVEN # 21067 CHARLOTTE HALL	14	0	0	0
1181293	SEVENTH DAY ADVENTIST	19	3	16	0
1181158	SHEAFFERS FOOD MART / CHIEFS BAR	24	10	42	0
1181160	SNELLMANS GENERAL MERCHANDISE	20	7	35	0
1181161	SOTTERLY MANSION FOUNDATION	24	7	29	0
1181235	ST ANDREWS PLAY SCHOOL / EPIS CHURCH	21	1	5	0
1181319	ST CECILIAS CHURCH	34	26	76	0
1181256	ST CLEMENTS ISLAND/POTOMAC RIVER MUSEUM	41	27	66	2
1181320	ST FRANCIS XAVIER	24	4	17	0

Table 4 (Continued), Routine and Repeat Bacteriological Samples for each System Since 1996.

PWSID	System Name	Total Number of Samples Taken	Number of Positive Bacti. Samples	Percentage of Total Samples Positive	Number of Positive Fecal Samples
1181321	ST GEORGES CATHOLIC CHURCH	10	0	0	0
1181310	ST GEORGES EPISCOPAL CHURCH	13	0	0	0
1181261	ST GEORGES ISLAND IMPROVE ASSOC	25	16	64	1
1181166	ST INIGOES GENERAL STORE	38	16	42	0
1181211	ST JAMES CORNER STORE / ST JAMES PUB	58	26	45	0
1181322	ST JOSEPHS CHURCH	11	0	0	0
1181262	ST JOSEPHS PROJECT COMM CENTER	44	30	68	0
1181281	ST LUKES UNITED METHODIST CHURCH	6	0	0	0
1181169	ST MARY'S LANDING	17	2	12	0
1181238	ST MARYS CITY VISITOR CENTER	7	0	0	0
1181347	ST MARYS RIVER STATE PARK	3	0	0	0
1181312	ST PAULS LUTHERAN	23	13	57	0
1181323	ST PETER CLAVES	9	0	0	0
1181165	STONES STORE	11	0	0	0
1181341	SUNNYS BBQ	8	0	0	0
1181173	TALL TIMBERS MARINA/RELUCTANT NAVIGATOR	41	21	51	0
1181177	THIRD BASE GROCERY	19	5	26	0
1181298	VALLEY LEE FIRE HALL	11	0	0	0
1181285	VICTORY BAPTIST CHURCH	9	0	0	0
1181187	VILLAGE LIQUORS	11	0	0	0
1181343	WAWA (MECHANICSVILLE)	12	0	0	0
1181176	WILLOWS	19	6	32	0
1181250	WONDER BREAD RETAIL STORE	13	0	0	0
1181193	WOODS PRODUCE	19	4	21	0
1181279	ZION UNITED METHODIST CHURCH	35	21	60	0

Table 4 (Continued), Routine and Repeat Bacteriological Samples for each System Since 1996.

PWSID	Plant	Contaminant	Contaminant Name	MCL	Sample Date	Result
1181272	1	2251	METHYL-TERT-BUTYL-ETHER		19-Feb-04	-0.5
1181272	1	2251	METHYL-TERT-BUTYL-ETHER		19-Feb-04	-0.5
1181272	1	2982	CARBON TETRACHLORIDE	5	19-Feb-04	-0.5
1181272	1	2977	1,1-DICHLOROETHYLENE	7	19-Feb-04	-0.5
1181272	1	2981	1,1,1-TRICHLOROETHANE	200	19-Feb-04	-0.5
1181272	1	2976	VINYL CHLORIDE	2	19-Feb-04	-0.5
1181272	1	2380	cis-1,2-DICHLOROETHYLENE	70	19-Feb-04	-0.5
1181272	1	2983	1,2-DICHLOROPROPANE	5	19-Feb-04	-0.5
1181272	1	2989	MONOCHLOROBENZENE	100	19-Feb-04	-0.5
1181272	1	2942	BROMOFORM		19-Feb-04	-0.5
1181272	1	2943	BROMODICHLOROMETHANE		19-Feb-04	-0.5
1181272	1	2985	1,1,2-TRICHLOROETHANE	5	19-Feb-04	-0.5
1181272	1	2378	1,2,4-TRICHLOROBENZENE	70	19-Feb-04	-0.5
1181272	1	2964	METHYLENE CHLORIDE	5	19-Feb-04	-0.5
1181272	1	2996	STYRENE	100	19-Feb-04	-0.5
1181272	1	2955	XYLENES, TOTAL	10000	19-Feb-04	-0.5
1181272	1	2992	ETHYLBENZENE	700	19-Feb-04	-0.5
1181272	1	2991	TOLUENE	1000	19-Feb-04	-0.5
1181272	1	2420	1,2,3-TRICHLOROBENZENE		19-Feb-04	-0.5
1181272	1	2418	1,2,4-TRIMETHYLBENZENE		19-Feb-04	-0.5
1181272	1	2993	BROMOBENZENE		19-Feb-04	-0.5
1181272	1	2966	p-CHLOROTOLUENE		19-Feb-04	-0.5
1181272	1	2965	o-CHLOROTOLUENE		19-Feb-04	-0.5
1181272	1	2416	2,2-DICHLOROPROPANE		19-Feb-04	-0.5
1181272	1	2412	1,3-DICHLOROPROPANE		19-Feb-04	-0.5
1181272	1	2988	1,1,2,2-TETRACHLOROETHANE		19-Feb-04	-0.5
1181272	1	2413	1,3-DICHLOROPROPENE		19-Feb-04	-0.5
1181272	1	2410	1,1-DICHLOROPROPENE		19-Feb-04	-0.5
1181272	1	2978	1,1-DICHLOROETHANE		19-Feb-04	-0.5
1181272	1	2216	CHLOROETHANE		19-Feb-04	-0.5
1181272	1	2214	BROMOMETHANE		19-Feb-04	-0.5
1181272	1	2210	CHLOROMETHANE		19-Feb-04	-0.5
1181272	1	2944	DIBROMOCHLOROMETHANE		19-Feb-04	-0.5
1181272	1	2941	CHLOROFORM		19-Feb-04	-0.5
1181272	1	2986	1,1,1,2-TETRACHLOROETHANE		19-Feb-04	-0.5
1181272	1	2967	m-DICHLOROBENZENE		19-Feb-04	-0.5
1181272	1	2212	DICHLORODIFLUOROMETHANE		19-Feb-04	-0.5
1181272	1	2428	SEC-BUTYLBENZENE		19-Feb-04	-0.5
1181272	1	2426	TERT-BUTYLBENZENE		19-Feb-04	-0.5
1181272	1	2995	m-XYLENE		19-Feb-04	-0.5
1181272	1	2997	o-XYLENE		19-Feb-04	-0.5
1181272	1	2962	p-XYLENE		19-Feb-04	-0.5
1181272	1	2408	DIBROMOMETHANE		19-Feb-04	-0.5
1181272	1	2430	BROMOCHLOROMETHANE		19-Feb-04	-0.5
1181272	1	2030	P-ISOPROPYLTOLUENE		19-Feb-04	-0.5
1181272	1	2424	1,3,5-TRIMETHYLBENZENE		19-Feb-04	-0.5
1181272	1	2218	TRICHLOROFLUOROMETHANE		19-Feb-04	-0.5
1181272	1	2414	1,2,3-TRICHLOROPROPANE		19-Feb-04	-0.5
1181272	1	2994	ISOPROPYLBENZENE		19-Feb-04	-0.5
1181272	1	2246	HEXACHLOROBUTADIENE		19-Feb-04	-0.5

Table 5, Total VOC Water Quality Samples Collected for Transient Systems.

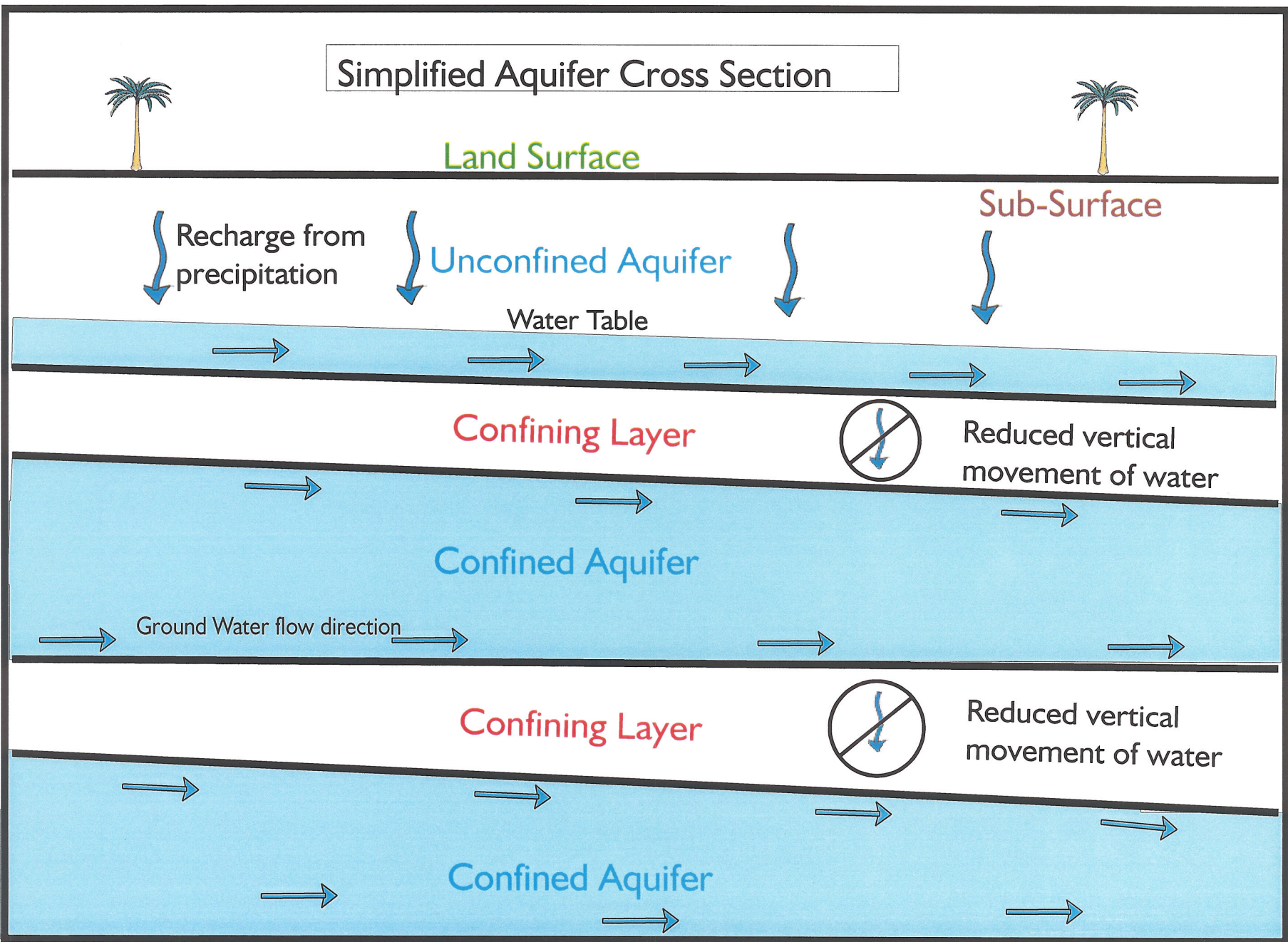
PWSID	Plant	Contaminant	Contaminant Name	MCL	Sample Date	Result
1181272	1	2248	NAPHTHALENE		19-Feb-04	-0.5
1181272	1	2422	N-BUTYLBENZENE		19-Feb-04	-0.5
1181272	1	2998	n-PROPYLBENZENE		19-Feb-04	-0.5
1181272	1	2987	TETRACHLOROETHYLENE	5	19-Feb-04	-0.5
1181272	1	2968	o-DICHLOROENZENE	600	19-Feb-04	-0.5
1181272	1	2979	trans-1,2-DICHLOROETHYLENE	100	19-Feb-04	-0.5
1181272	1	2984	TRICHLOROETHYLENE	5	19-Feb-04	-0.5
1181272	1	2980	1,2-DICHLOROETHANE	5	19-Feb-04	-0.5
1181272	1	2969	p-DICHLOROENZENE	75	19-Feb-04	-0.5
1181272	1	2990	BENZENE	5	19-Feb-04	-0.5
1181272	1	2251	METHYL-TERT-BUTYL-ETHER		22-Jun-04	-0.5
1181272	1	2986	1,1,1,2-TETRACHLOROETHANE		22-Jun-04	-0.5
1181272	1	2967	m-DICHLOROENZENE		22-Jun-04	-0.5
1181272	1	2212	DICHLORODIFLUOROMETHANE		22-Jun-04	-0.5
1181272	1	2428	SEC-BUTYLBENZENE		22-Jun-04	-0.5
1181272	1	2426	TERT-BUTYLBENZENE		22-Jun-04	-0.5
1181272	1	2995	m-XYLENE		22-Jun-04	-0.5
1181272	1	2997	o-XYLENE		22-Jun-04	-0.5
1181272	1	2962	p-XYLENE		22-Jun-04	-0.5
1181272	1	2408	DIBROMOMETHANE		22-Jun-04	-0.5
1181272	1	2430	BROMOCHLOROMETHANE		22-Jun-04	-0.5
1181272	1	2030	P-ISOPROPYLTOLUENE		22-Jun-04	-0.5
1181272	1	2420	1,2,3-TRICHLOROENZENE		22-Jun-04	-0.5
1181272	1	2418	1,2,4-TRIMETHYLBENZENE		22-Jun-04	-0.5
1181272	1	2993	BROMOENZENE		22-Jun-04	-0.5
1181272	1	2966	p-CHLOROTOLUENE		22-Jun-04	-0.5
1181272	1	2965	o-CHLOROTOLUENE		22-Jun-04	-0.5
1181272	1	2416	2,2-DICHLOROPROPANE		22-Jun-04	-0.5
1181272	1	2412	1,3-DICHLOROPROPANE		22-Jun-04	-0.5
1181272	1	2988	1,1,1,2-TETRACHLOROETHANE		22-Jun-04	-0.5
1181272	1	2413	1,3-DICHLOROPROPENE		22-Jun-04	-0.5
1181272	1	2424	1,3,5-TRIMETHYLBENZENE		22-Jun-04	-0.5
1181272	1	2218	TRICHLOROFLUOROMETHANE		22-Jun-04	-0.5
1181272	1	2414	1,2,3-TRICHLOROPROPANE		22-Jun-04	-0.5
1181272	1	2994	ISOPROPYLBENZENE		22-Jun-04	-0.5
1181272	1	2246	HEXACHLOROBUTADIENE		22-Jun-04	-0.5
1181272	1	2248	NAPHTHALENE		22-Jun-04	-0.5
1181272	1	2422	N-BUTYLBENZENE		22-Jun-04	-0.5
1181272	1	2998	n-PROPYLBENZENE		22-Jun-04	-0.5
1181272	1	2410	1,1-DICHLOROPROPENE		22-Jun-04	-0.5
1181272	1	2978	1,1-DICHLOROETHANE		22-Jun-04	-0.5
1181272	1	2216	CHLOROETHANE		22-Jun-04	-0.5
1181272	1	2214	BROMOMETHANE		22-Jun-04	-0.5
1181272	1	2210	CHLOROMETHANE		22-Jun-04	-0.5
1181272	1	2944	DIBROMOCHLOROMETHANE		22-Jun-04	-0.5
1181272	1	2941	CHLOROFORM		22-Jun-04	-0.5
1181272	1	2942	BROMOFORM		22-Jun-04	-0.5
1181272	1	2943	BROMODICHLOROMETHANE		22-Jun-04	-0.5
1181272	1	2985	1,1,2-TRICHLOROETHANE	5	22-Jun-04	-0.5
1181272	1	2378	1,2,4-TRICHLOROENZENE	70	22-Jun-04	-0.5

Table 5 (Continued), Total VOC Water Quality Samples Collected for Transient Systems.

PWSID	Plant	Contaminant	Contaminant Name	MCL	Sample Date	Result
1181272	1	2964	METHYLENE CHLORIDE	5	22-Jun-04	-0.5
1181272	1	2996	STYRENE	100	22-Jun-04	-0.5
1181272	1	2955	XYLENES, TOTAL	10000	22-Jun-04	-0.5
1181272	1	2992	ETHYLBENZENE	700	22-Jun-04	-0.5
1181272	1	2991	TOLUENE	1000	22-Jun-04	-0.5
1181272	1	2989	MONOCHLOROBENZENE	100	22-Jun-04	-0.5
1181272	1	2987	TETRACHLOROETHYLENE	5	22-Jun-04	-0.5
1181272	1	2983	1,2-DICHLOROPROPANE	5	22-Jun-04	-0.5
1181272	1	2968	o-DICHLOROBENZENE	600	22-Jun-04	-0.5
1181272	1	2380	cis-1,2-DICHLOROETHYLENE	70	22-Jun-04	-0.5
1181272	1	2979	trans-1,2-DICHLOROETHYLENE	100	22-Jun-04	-0.5
1181272	1	2976	VINYL CHLORIDE	2	22-Jun-04	-0.5
1181272	1	2984	TRICHLOROETHYLENE	5	22-Jun-04	-0.5
1181272	1	2251	METHYL-TERT-BUTYL-ETHER		22-Jun-04	-0.5
1181272	1	2982	CARBON TETRACHLORIDE	5	22-Jun-04	-0.5
1181272	1	2977	1,1-DICHLOROETHYLENE	7	22-Jun-04	-0.5
1181272	1	2981	1,1,1-TRICHLOROETHANE	200	22-Jun-04	-0.5
1181272	1	2980	1,2-DICHLOROETHANE	5	22-Jun-04	-0.5
1181272	1	2969	p-DICHLOROBENZENE	75	22-Jun-04	-0.5
1181272	1	2990	BENZENE	5	22-Jun-04	-0.5

Table 5 (Continued), Total VOC Water Quality Samples Collected for Transient Systems.

Simplified Aquifer Cross Section



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Figure 2