COMMONWEALTH of VIRGINIA
Department of Health
Division of Shellfish Safety
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PIANKATANK RIVER, UPPER
Growing Area # 035
Gloucester, Mathews and Middlesex Counties
Shoreline Sanitary Survey

Date: 26 August 2019
Survey Period: January 29, 2019 – July 30, 2019
Total number of properties surveyed and samples analyzed: 538
Surveyed By: R.M. Thomas, W.A. McCarty III, & W.I. Barrack III

SECTION A: GENERAL

This survey area extends from Reference Point 35 at the Middlesex and Mathews County lines on the Piankatank River Bridge (Twiggs Ferry Road, Route 3) and inland to Rt. 610 and the mouth of Meggs Bay, including both sides of the Piankatank River between these two landmarks. Scoggins Creek, My Lady's Swamp, portions of Carvers Creek and Harper Creek (North of Rt. 198), French Creek, Ferry Creek, Dancing Creek, Wadinger Creek and all of their tributaries are also included within the designated boundary line drawn by the Division of Shellfish Safety. Refer to map for boundary revisions.

The topography of the area varies from 5' or less along the shoreline to a maximum of 90' inland. The economy is based on retail trade, construction, food and accommodations services as well as seasonal recreational activity. According to the U.S. Census Bureau, the population for Gloucester County increased by 1.3%, decreased in Mathews County by 1.9% and decreased in Middlesex County by 1.7% from 2010 to 2018.

Meteorological data indicated that the area received a total rainfall of 26.22" for the survey period. A monthly breakdown is as follows:

January 29-31	0.32"	February	4.23"	March	3.51"	April	3.93"
May	2.84"	June	5.35"	July 1-30	6.04"		

At the beginning of the survey, inspectors reviewed the available literature from prior reports, public works and online resources to characterize land use, drainage patterns, and to establish nearshore seawater stations. Properties identified in the previous survey as having sanitary deficiencies or other environmental significance were revisited to evaluate their current status. All roadways and navigable shoreline within the survey boundary were visually inspected to identify potential pollution sources requiring further investigation.

Nearshore seawater stations were established to survey the full extent of waters beyond routine classification stations. Stations were created in closer proximity to the shoreline and farther upstream than routine stations and are intended to evaluate drainage entry points of

potential pollution sources. Station data were analyzed and used to compare relative concentrations of fecal indicator bacteria within the waterway to identify potential onshore sources of contamination. Areas with elevated concentrations of fecal indicator bacteria were surveyed onshore using a property-by-property investigation. Surveyors interviewed occupants and examined properties for evidence of these potential pollution sources within the immediate watershed.

Hydrographic data and ebb current windows are shown in the table below. Maps of the Enterococcus sampling are shown at the conclusion of this report.

Area 35 Nearshore Sampling					**Rainfall in Inches**		
Sample dates	High Tide	Ebb Current	Sampling time	Enterococcus range (MPN/100ml)	Day of	Previous 48 hours	Previous 72 hours
1/30/19	4:48 am	7:42-2:50	9:05-11:21	10-528	0.09	0.32	0.32
2/6/19	9:36 am	12:20-7:16	11:10-1:14	<10-73	0.00	0.00	0.00
2/14/19	3:05 am	6:28-1:36	9:18-12.38	<10-132	0.00	0.12	0.49
3/14/19	2:28 am	5:45-1:09	9:02-11:46	<10-52	0.00	0.00	0.00
3/18/19	6:48 am	9:55-4:40	10:23-1:38	<10-122	0.07	0.07	0.08
4/18/19	8:13 am	11:01-5:43	9:42-12:28	<10-20	0.00	0.00	0.00
5/6/19	10:27 am	12:36-7:28	11:35-2:09	<10-173	0.00	0.88	0.88
5/8/19	11:54 am	2:01-9:01	11:30-1:58	<10-41	0.00	0.00	0.00
5/9/19	12:47 pm	2:50-9:55	11:42-1:37	<10-86	0.03	0.03	0.03
6/7/19	12:32 pm	2:51-9:43	11:18-1:11	<10-109	0.67	0.69	0.93
7/29/19	6:40 am	8:39-4:00	10:28-12:43	<10-195	0.00	0.00	0.00

The Commonwealth of Virginia, under Code Section 9VAC 10-20-120.7, specifies that on-site sewage treatment systems not requiring a Virginia Pollutant Discharge Elimination System (VPDES) permit shall:

a. Have pump-out accomplished for all such systems at least once every five years.
(1) If deemed appropriate by the local health department and subject to conditions the local health department may set, local governments may offer to the owners of such system, as an alternative to the mandatory pump-out, the option of having a plastic filter installed and maintained in the outflow pipe from the septic tank to filter solid material from the effluent while sustaining adequate flow to the drain field to permit normal use of the septic system. Such a filter should satisfy standards established in the Sewage Handling and Disposal Regulations (12VAC5-610) administered by the Virginia Department of Health.
(2) Furthermore, in lieu of requiring proof of septic tank pump-out every five years, local governments may allow owners of on-site sewage treatment systems to submit documentation every five years, certified by a sewage handler permitted by the Virginia Department of Health, that the septic system has been inspected, is functioning properly, and the tank does not need to have the effluent pumped out of it.

Copies of Bacteriological and Shellfish Closure data are available at the area office for review. This report lists only those properties that have a sanitary deficiency or other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Data reports are made available to local health departments and other agencies to address items that may be out of compliance with their

regulatory programs. Copies of VPDES Permits and inspections are available at the Department of Environmental Quality, Tidewater Regional Office (DEQ/TRO).

Copies of the current condemnation notices and maps are available via the Internet at www.vdh.virginia.gov/shellfish/.

Shoreline Survey # 035

SECTION B: SEWAGE POLLUTION SOURCES

OBJECTID_1	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff	Date of Correction	Correction Notes
405	35	W1	8/14/2019	SEWAGE TREATMENT FACILITY, direct	37.567814	-76.626473	12745 College Drive, Saluda, VA 23149	Public community college serving approximately 800 students and staff. Richard Lewter, Facilities Manager. Aeration package sewage treatment plant with holding pond. Chlorinated effluent discharges to Dragon Run. Design flow 0.018 MGD.		Public	Y	Rappahannock Community College. VPDES Permit # VA0028461. Plant is located outside of current boundary line.	Gloucester			
1635	35	W2	8/14/2019	SEWAGE TREATMENT FACILITY, indirect	37.517999	-76.583258	1130 Belchers Lane, Gloucester, VA 23061	Septage Lagoon facility with mass drainfield. Kenny Ewell, Operator. Permitted by Gloucester County Health Department permit # SDF 136-101.		Business	Y	R & R Treatment Plant. Plant is located outside of current boundary line.	Gloucester			
4630	35	W12	3/25/2019	CONTRIBUTES POLLUTION, indirect	37.534577	-76.494298	7425 Wilson Farm Lane, Gloucester, VA 23061	Camping trailer at site #9 has damaged flex hose that is plumbed to campsites septic system. Needs replacing to ensure no effluent leaks onto ground surface. No discharge at the time of the survey.	Conv	Business	N	Chris Lett Campground	Gloucester	WB		
4629	35	W5	4/12/2019	NO FACILITIES, indirect	37.501444	-76.441745	171 Atkins Lane, Dutton, VA 23050	Home septic system not functional at time of survey. RV also on site currently being occupied by a renter. RV is plumbed with flex pipe to plastic container in yard and is pumped by Trudy's toilets.	NA	Dwelling	Y		Gloucester	WB		

SECTION C: NONSEWAGE WASTE SITES

OBJECTID_1	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
378	35	W3	8/14/2019	INDUSTRIAL WASTES, indirect	37.537339	-76.429099	2183 Twiggs Ferry Road, Hartfield, VA 23071	Junkyard, auto parts and salvage. Shops wash down waste drain to holding tank until full then empties into a small lagoon. Owner monitors the Lagoon and has it pumped as needed. Permit # VAG540135.		Business	Y	Doc Jones Auto Parts	Middlesex	WB
404	35	W29	8/14/2019	INDUSTRIAL WASTES, indirect	37.592233	-76.603476	14097 Tidewater Trail, Saluda, VA 23149	Wood preserving plant using CA-C preservative. Plant has closed system to meet EPA and state effluent limitation guidelines of a zero discharge for processing wastewater pollutants. VPDES Permit # VA0083011.	Conv	Business	Y	Pitts Lumber Co., Inc.	Middlesex	WB
3013	35	W4	8/14/2019	SOLID WASTE DUMPSITE, indirect	37.537867	-76.429041	2183 Twiggs Ferry Road, Hartfield, VA 23071	Approximately 9 1/2 acres of junk, auto parts and salvage.		Business	Y	Doc Jones Auto Parts	Middlesex	WB

SECTION D: BOATING ACTIVITY

OBJECTID_1	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	Boating Activity Type	Number of Wet Slips	NUM BOATS <26'	NUM BOATS >26'	Evidence of Live-Aboards	DSS Staff
380	35	W6	8/14/2019	BOATING ACTIVITY	37.529267	-76.437325	1586 Stampers Bay Road, Hartfield, VA 23071	Available on site are seasonal slips/moorings, electricity, water, solid waste containers, and restrooms.	Conv	Business	Y	Camp Piankatank	Middlesex	OPWBM	5	1	3	N	WB
381	35	W7	8/14/2019	BOATING ACTIVITY	37.523136	-76.450471	Schooner Point Road, Hartfield, VA 23071	Available on site are seasonal slips/moorings for short term use and an in-out ramp.	Conv	Marine	N	Schooner Point Pier, Mariners Woods	Middlesex	OPWBM	8	0	0	N	WB
385	35	W8	8/14/2019	BOATING ACTIVITY	37.538868	-76.493787	Adjacent to 686 Shore Drive, Hartfield, VA 23071	Available on site are seasonal slips/moorings, solid waste containers, and a beach in-out ramp.	NA	Marine	Y	Piankatank Shores Civic Association (Rec Area 3)	Middlesex	OPWBM	10	0	0	N	WB
396	35	W9	8/14/2019	BOATING ACTIVITY	37.548874	-76.498257	Adjacent to 207 Beach Drive, Hartfield, VA 23071	Available on site are seasonal slips/moorings, solid waste containers, and an in-out ramp.	NA	Marine	Y	Piankatank Shores Civic Association (Rec Area 1)	Middlesex	OPWBM	8	0	0	N	WB
417	35	W10	8/14/2019	BOATING ACTIVITY	37.539579	-76.503937	12068 Freeport Road, Gloucester, VA 23061	Available on site are seasonal slips/moorings, dry storage spaces, solid waste containers, a concrete in-out ramp and a port-a-John.	Conv	Marine	Y	Freeport Marina, Inc.	Gloucester	OPWBM	3	1	1	N	WB
421	35	W11	8/14/2019	BOATING ACTIVITY	37.534976	-76.494184	7425 Wilson Farm Lane, Gloucester, VA 23061	Available on site are seasonal slips/moorings, water, and restrooms at the RV units.	Conv	Marine	N	Chris Lett Campground	Gloucester	OPWBM	7	0	0	N	WB
379	35	W13	8/14/2019	BOATING ACTIVITY	37.530016	-76.435624	End of Stampers Bay Road, Hartfield, VA 23071	Available on site is a gravel in out ramp.	NA	Marine		Virginia Public Landing	Middlesex	Under Surveillance	0	0	0	NA	WB
382	35	W14	8/14/2019	BOATING ACTIVITY	37.529574	-76.458638	End of Ridge Road, Hartfield, VA 23071	Available on site are temporary moorings and a concrete in-out ramp.	NA	Marine	N	River Run Subdivision	Middlesex	Under Surveillance	4	0	0	N	WB
390	35	W15	8/14/2019	BOATING ACTIVITY	37.543315	-76.499961	Adjacent to 182 Shore Drive, Hartfield, VA 23071	Available on site are seasonal slips/moorings, solid waste containers, and an in-out ramp.	NA	Marine	N	Piankatank Shores Civic Association (Rec Area 2)	Middlesex	Under Surveillance	4	0	0	N	WB
400	35	W16	8/14/2019	BOATING ACTIVITY	37.550239	-76.506877	Adjacent to 1079 Point Anne Drive, Hartfield, VA 23071	Available on site are 2 loading/unloading docks and a concrete in-out ramp.	NA	Marine	Y	Point Anne Civic Association	Middlesex	Under Surveillance	0	0	0	NA	WB
403	35	W17	8/14/2019	BOATING ACTIVITY	37.560307	-76.537890	Adjacent to 366 River Road Circle, Saluda, VA 23149	Available on site are seasonal slips/moorings and a concrete in-out ramp.	NA	Marine	N	Deerchase Park Beach Association	Middlesex	Under Surveillance	2	0	0	N	WB
410	35	W18	8/14/2019	BOATING ACTIVITY	37.556399	-76.532602	6313 Holly Trail, Gloucester, VA 23061	Available on site are a loading/unloading dock and a concrete in-out ramp.	NA	Marine	Y	Holly Beach Civic Association	Gloucester	Under Surveillance	0	0	0	NA	WB
414	35	W19	8/14/2019	BOATING ACTIVITY	37.545837	-76.525363	12014 Trails Lane, Gloucester, VA 23061	Available on site are seasonal slips/moorings, solid waste containers, ramp, and restroom facilities.	Conv	Marine	Y	Chesapeake Bay Preserve	Gloucester	Under Surveillance	7	0	0	NA	WB
419	35	W20	8/14/2019	BOATING ACTIVITY	37.536117	-76.495311	End of Deep Point Landing Road, Gloucester, VA 23061	Available on site is a concrete in-out ramp.	NA	Marine	N	Hardin's Public Landing Deep Point	Gloucester	Under Surveillance	0	0	0	N	WB
423	35	W21	8/14/2019	BOATING ACTIVITY	37.524779	-76.474987	8031 Riverwatch Court, Gloucester, VA 23061	Available on site are seasonal slips/moorings, water, restrooms, and a concrete in-out ramp.	NA	Marine	N	Riverwatch HOA	Gloucester	Under Surveillance	8	0	0	N	WB

Shoreline Survey # 035

SECTION E: CONTRIBUTES ANIMAL POLLUTION

OBJECTID_1	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
418	35	W24	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, direct	37.538992	-76.505593	12073 Freeport Road, Gloucester, VA 23061	Found on site were 2 calves and 1 lamb in one pasture supplied by a stream <70 from the Piankatank River. Found in adjacent inland pasture were 5 cows.	Conv	Dwelling	N		Gloucester	WB
401	35	W22	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.556980	-76.506513	558 Point Anne Drive, Hartfield, VA 23071	Found on site were 8 horses. Manure is raked into ground.		Dwelling	Y		Middlesex	WB
402	35	W23	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.558460	-76.503763	420 Point Anne Drive, Hartfield, VA 23071	Found on site were 9 horses. Manure is raked into ground.		Dwelling	Y		Middlesex	WB
1627	35	W25	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.496520	-76.463760	9061 Dutton Road, Dutton, VA 23050	Found on site were geese and chickens. Gated with privacy fence therefore unable to access to determine exact number. Manure is left on the ground surface.		Dwelling	N		Gloucester	WB
1632	35	W26	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.497150	-76.430703	451 MorganΓÇÖs Branch, Dutton, VA 23050	Found on site were 8 horses. Manure is spread on fields.	Conv	Dwelling	Y		Mathews	WB
4631	35	W27	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.587318	-76.563064	920 Stormont Road, Saluda, VA 23149	Found on site were 9+ horses. Manure is raked into ground.	Conv	Agri	N		Middlesex	WB
4632	35	W28	8/14/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.590531	-76.566242	724 Stormont Road, Saluda, VA 23149	Found on site were 12+ horses. Manure is raked into ground.	Conv	Dwelling	N		Middlesex	WB

SUMMARY

Growing Area # 035
Piankatank River, Upper
26 August 2019

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # W1
1 – INDIRECT – # W2
2 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES – Correction of the deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION, DIRECT – None.
1 – CONTRIBUTES POLLUTION, INDIRECT – # W12
0 – CP (Kitchen or Laundry Wastes), DIRECT – None.
0 – CP (Kitchen or Laundry Wastes), INDIRECT – None.
0 – NO FACILITIES, DIRECT – None.
1 – NO FACILITIES, INDIRECT – # W5
2 – B.2 TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

0 – POTENTIAL POLLUTION – None.

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – None.
2 – INDIRECT – # W3, W29
2 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None.
1 – INDIRECT – # W4
1 – C.2. TOTAL

3. STORMWATER OUTFALLS

0 – DIRECT – None.
0 – INDIRECT – None.
0 – E. TOTAL

SECTION D: BOATING ACTIVITY

0 – MARINAS – None.
6 – OTHER PLACES WHERE BOATS ARE MOORED – # W6, W7, W8, W9, W10, W11
9 – UNDER SURVEILLANCE – # W13, W14, W15, W16, W17, W18, W19, W20, W21
15– D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT – # W24
6 – INDIRECT – # W22, W23, W25, W26, W27, W28
7 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Piankatank River, Upper
035
Shoreline Sanitary Survey

Middlesex, Gloucester and Mathews County

Date: 26 August 2019
Surveyed By: R.M. Thomas, W.A. McCarty III, & W.I. Barrack III
Total number of properties surveyed & samples analyzed: 538

N

0 800 1600 Yards

Insert 1

Legend

SeawaterSamplingStations (History)
- Active
- Inactive

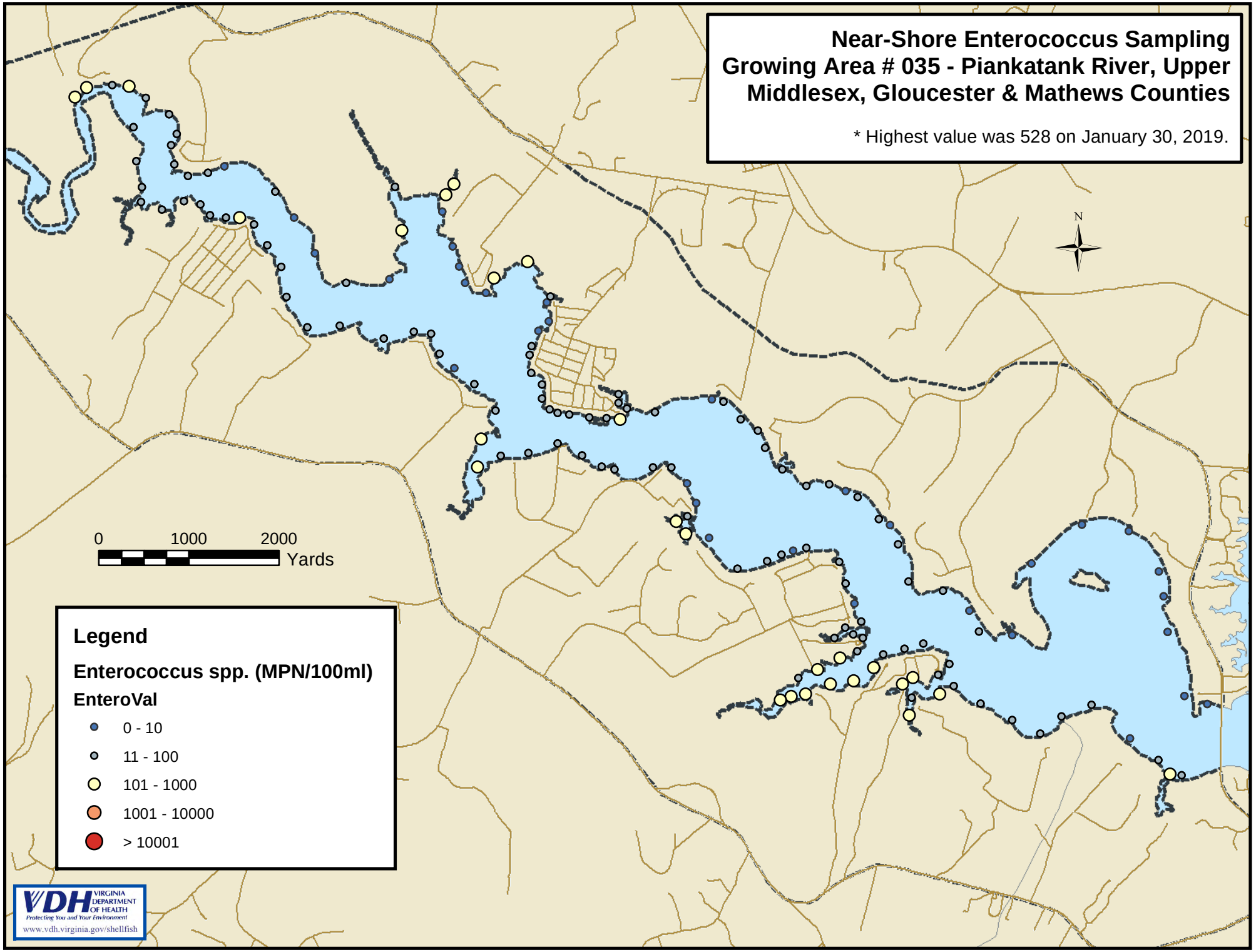
Sewered Areas

BoatRamps (DGIF)

Shoreline Survey Deficiencies
- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Stormwater, Direct
- Stormwater, Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

VDH VIRGINIA DEPARTMENT OF HEALTH
Protecting You and Your Environment
www.vdh.virginia.gov/shellfish

Geographic coordinates in NAD83 datum; shown in degrees, minutes & seconds.


Near-Shore Enterococcus Sampling
Growing Area # 035 - Piankatank River, Upper
Middlesex, Gloucester & Mathews Counties
* Highest value was 528 on January 30, 2019.
N
0
1000
2000
Yards
Legend
Enterococcus spp. (MPN/100ml)
EnteroVal
0 - 10
11 - 100
101 - 1000
1001 - 10000
> 10001
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