



**COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION**

*Marissa J. Levine, MD, MPH, FAAFP
State Health Commissioner*

*109 Governor Street, 6th Floor
P.O. Box 2448
Richmond, Virginia 23218*

*Ph: 804-864-7487
Fax: 804-864-7481*

**PIANKATANK RIVER, LOWER
Growing Area # 034
Mathews and Middlesex Counties
Shoreline Sanitary Survey**

Date: 20 October 2017

Survey Period: August 1 – October 10, 2017

Total Number of Properties Surveyed: 260

Surveyed By: W. I. Barrack III, R.M. Thomas, W.A. McCarty III

SECTION A: GENERAL

This survey area extends from Reference Point 35 at Stove Point to Reference Points 36A and 36B at the Twigg Bridge to Reference Point 37 at Iron Point, including the Piankatank River shoreline between these points, Fishing Bay, Moore Creek, Cores Creek, Healy Creek, Wilton Creek, Cobbs Creek, Warehouse Cove and all of their tributaries. The survey boundary, drawn by the Division of Shellfish Sanitation, has been revised. See map for current boundary.

The topography of the area varies from 5' or less along the shoreline to a maximum of 80'± near the northwestern edge of the survey boundary. The economy in Mathews and Middlesex Counties are primarily comprised of retail trade, health care, agriculture and seasonal recreational activity. According to a 2016 Census Bureau study, the population of Mathews county was estimated at 8,782 with a population density of 104.5 people per square mile. The same 2016 study showed the population of Middlesex county was estimated at 10,778 with a population density of 84.1 people per square mile.

Meteorological data indicated that the area received a total rainfall of 12.51" during the survey period. A monthly breakdown is as follows:

August 2017	9.86"	September	2.65"	October 1-10	0.00"
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Investigations were conducted by water in addition to the regularly scheduled random seawater sampling to identify and take samples at storm water outfall locations; to determine the location of straight pipes not observable by land; and to collect water samples at a closer proximity to the shoreline, closer together and farther upstream than regular seawater sampling. The additional water sampling for enterococcus bacteria was to identify areas that had unusually high fecal coliform counts to be further investigated from the shore. Maps of this sampling effort are shown at the conclusion of this report.

Information about Middlesex County, the Department of Planning and Community Development and adopted ordinances can be found on the county website at: www.co.middlesex.va.us. The Erosion and Sediment Ordinance became effective July 20, 1994 as authorized by the Code of

Virginia, Title 10.0, Chapter 5, Article 4 (10.1-560 et seq.). In 2001 an updated version of the 1994 Comprehensive Plan was introduced. A Subdivision Ordinance was reprinted with revisions on February 22, 2006 and a Floodplain Ordinance was reprinted on February 20, 2007. The following quote has been copied from the Middlesex County Virginia Floodplain ordinance:

On-site waste disposal systems shall be located and constructed to avoid impairment to them or contamination from them during flooding by placement outside of designated flood zones. If placement outside of flood zones is not possible, the system shall include the use of top-seamed tanks and/or sealed septic and pump chamber tanks. All tanks subject to floatation shall be adequately anchored to prevent floatation.

The Middlesex Board of Supervisors has established a program to comply with the December 12, 2005 Chesapeake Bay Local Assistance Board mandate which applies to systems located in the Chesapeake Bay Preservation District and installed after 1993.

Copies for Bacteriological, Hydrographic and Shellfish Closure data are available at the area office or the Richmond central office for review. Copies of the current condemnation notices and maps are available via the internet at www.vdh.virginia.gov/shellfish/.

This report lists only those properties that have a sanitary deficiency or may have other environmental significance and can be located online at the above link. "**DIRECT**" indicates that the significant activity or deficiency may have a direct impact on shellfish waters. Data in the report are also made available to local health departments and other agencies to address items that may be of concern with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

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SECTION C: NONSEWAGE WASTE SITES

[illegible]

SECTION D: BOATING ACTIVITY

	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
21	34	W1	8/1/2017	BOATING ACTIVITY	37.513052	-76.419663	End of Ferry Road, Hartfield, VA 23071	Public in-out boat ramp with no loading dock or pier.	NA	Marine	N	County of Middlesex	Middlesex	Under Surveillance	0	0	0	NA	WB
14	34	W2	9/13/2017	BOATING ACTIVITY	37.525528	-76.420326	On Wilton Coves Drive, Hartfield, VA 23071	Available on site is an in-out ramp and loading/unloading dock for use by the residents of the Coves of Wilton Creek.	NA	Marine	N	County of Middlesex	Middlesex	Under Surveillance	2	1	0	N	WB
12	34	W3	9/13/2017	BOATING ACTIVITY	37.525059	-76.417106	On Wilton Coves Drive, Hartfield, VA 23071	Available on site are 20 seasonal slips/moorings, electricity, water, restrooms and sewage holding tank pump out facilities.	Conv	Marine	Y	The Coves Club and Rec	Middlesex	Marina	20	2	11	N	WB
11	34	W4	9/13/2017	BOATING ACTIVITY	37.527529	-76.417351	On Villa Ridge Drive, Hartfield, VA 23071	Available on site are seasonal slips/moorings, electricity, water, and restroom facilities at the Villas.	Conv	Marine	Y	Mariner Point Villas	Middlesex	Marina	35	4	12	N	WB
7	34	W5	9/13/2017	BOATING ACTIVITY	37.537899	-76.392958	1189 Horse Point Rd, Hartfield, VA 23071	Available on site are seasonal slips/moorings, electricity and water.	Conv	Marine	N		Middlesex	Under Surveillance	4	0	1	N	WB
6	34	W6	9/13/2017	BOATING ACTIVITY	37.538933	-76.394647	Adjacent to 1095 Horse Point Road, Hartfield, VA 23071	Appears to be a Community facility. Available on site are a sand beach ramp, electricity, water and boathouse.	NA	Marine	N		Middlesex	OPWBAM	10	0	0	N	WB
4	34	W7	8/14/2017	BOATING ACTIVITY	37.544473	-76.393861	777 Chick Cove Drive, Hardyville, VA 23070	Available on site are 26 seasonal slips/moorings, ramp, electricity, water, solid waste containers, restrooms, dump station and sewage holding tank pump out facilities.	Conv	Marine	N	Chick Cove Marina	Middlesex	Marina	26	6	14	N	WB
1	34	W8	9/13/2017	BOATING ACTIVITY	37.545966	-76.357972	Adj. to 421 and 453 Moore's Creek Drive, Deltaville, VA 23043	Available on site are 2 seasonal slips/moorings and a ramp.	NA	Marine	N	Moore's Creek Estates	Middlesex	Under Surveillance	2	0	0	N	WB
0	34	W9	9/13/2017	BOATING ACTIVITY	37.537256	-76.351660	481 Berryville Shores Drive, Deltaville, VA 23043	Available on site are 21 seasonal slips/moorings, electricity, water, solid waste containers and restroom facilities.	Alt	Marine	N	Porpoise Cove Marina	Middlesex	Marina	21	7	7	N	WB
13	34	W10	9/13/2017	BOATING ACTIVITY	37.541045	-76.341659	548 Deagle's Road, Deltaville, VA 23043	Available on site are 5 seasonal slips/moorings, repair work, solid waste containers, restrooms, dump station and sewage holding tank pump out facilities.	Conv	Marine	N	Chesapeake Marine Railway	Middlesex	OPWBAM	5	1	3	N	WB
10	34	W11	9/13/2017	BOATING ACTIVITY	37.541238	-76.341054	519 Deagle Road, Deltaville, VA 23043	Available on site are 130 seasonal slips/moorings, 6 transient slips/moorings, fuel, electricity, water, solid waste containers and restroom facilities.	Conv	Marine	Y	Fishing Bay Harbor Marina	Middlesex	Marina	130	18	73	N	WB
8	34	W12	9/13/2017	BOATING ACTIVITY	37.542216	-76.340192	1087 Fishing Bay Road, Deltaville, VA 23043	Available on site are 85 seasonal slips/moorings, electricity, water, restrooms and dump station.	Conv	Marine	N	Ruark's Marina	Middlesex	Marina	85	1	4	N	WB

SECTION D: BOATING ACTIVITY

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SUMMARY

Growing Area # 034
Piankantank River, Lower
20 October 2017

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

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

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

1 – POTENTIAL POLLUTION – # W23

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

11 – MARINAS – # W3, W4, W7, W9, W11, W12, W13, W17, W18, W19, W20
2 – OTHER PLACES WHERE BOATS ARE MOORED – # W6, W10
7 – UNDER SURVEILLANCE – # W1, W2, W5, W8, W14, W15, W16
20 – D. TOTAL

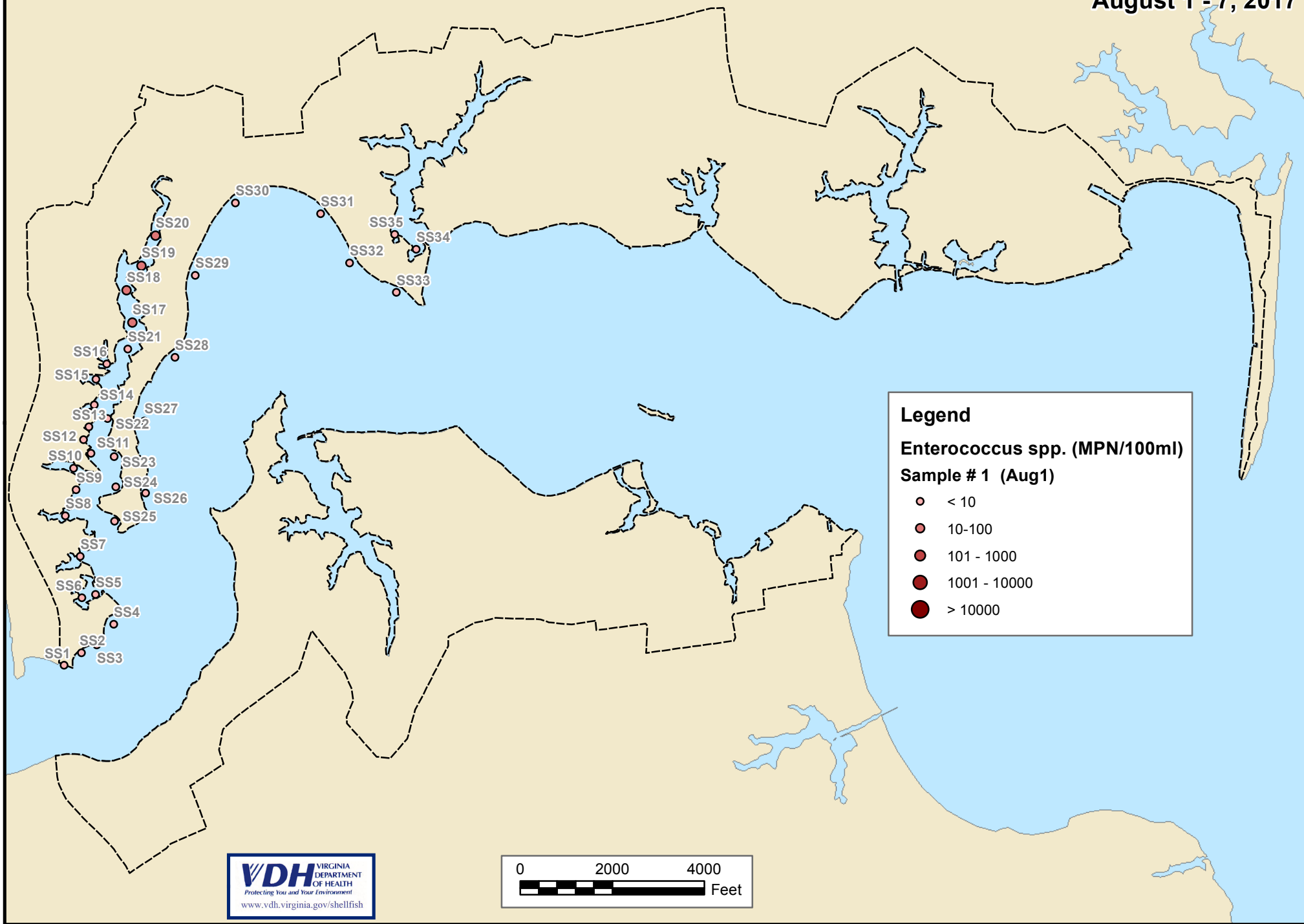
SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
4 – INDIRECT – # W21, W22, W24, W25
4 – E. TOTAL

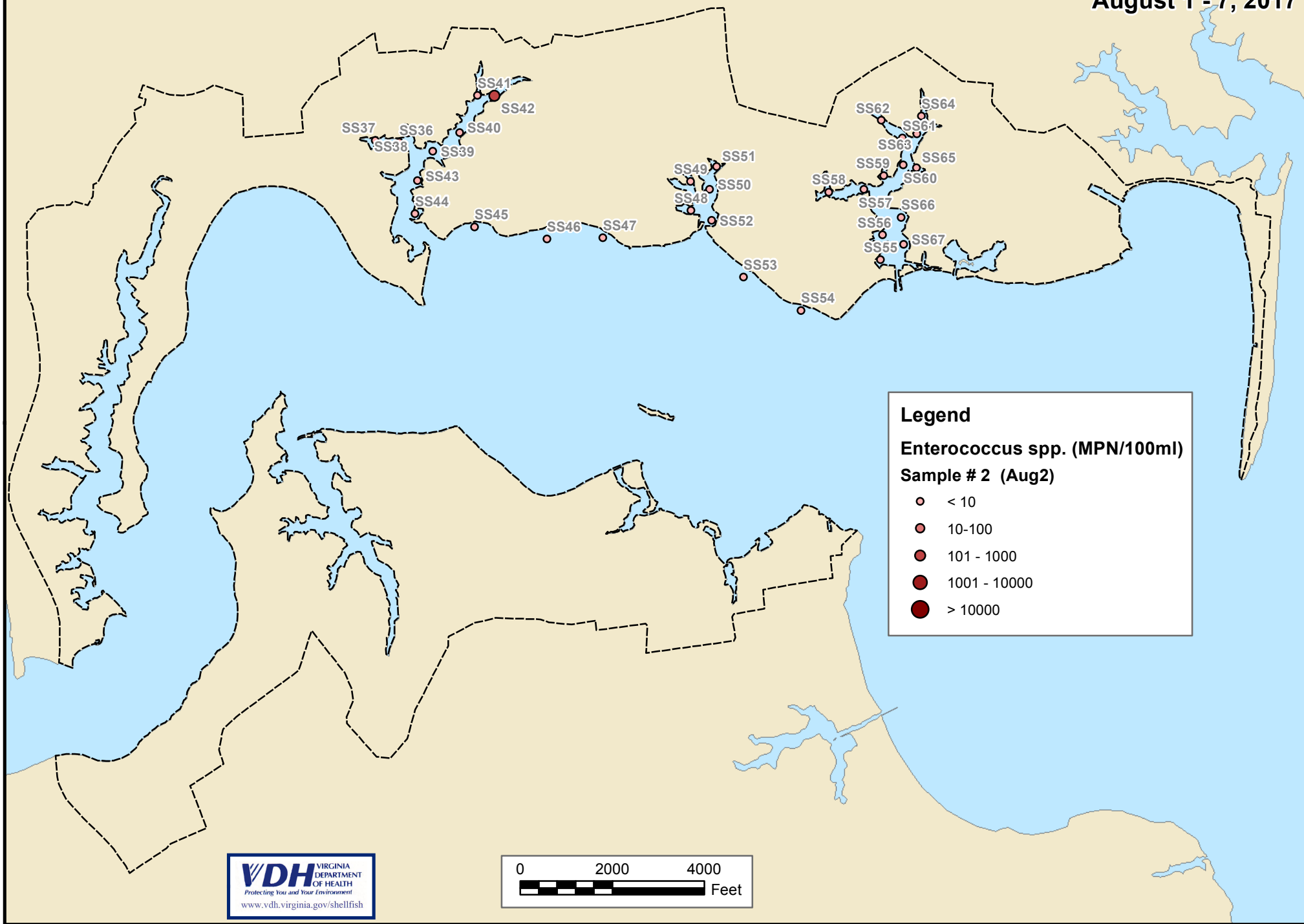
SECTION F: STORMWATER OUTFALLS

0 – DIRECT – None
0 – INDIRECT – None
0 – F. TOTAL

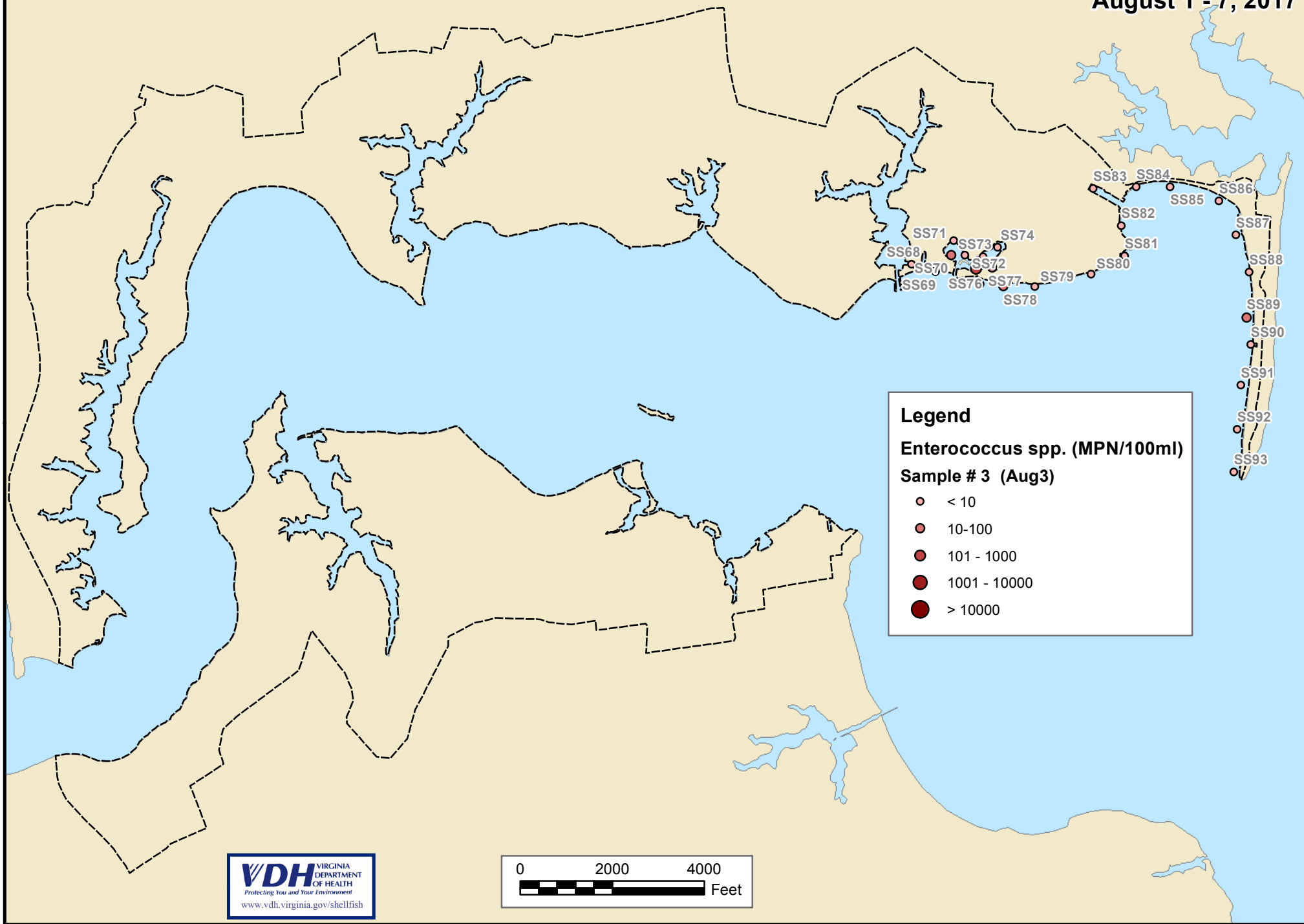
**GA # 034 - Piankatank River, Lower
Enterococcus Near-Shore Sampling
August 1 - 7, 2017**



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