

COMMONWEALTH of VIRGINIA

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NOMINI AND CURRIOMAN BAYS Growing Area # 004 Westmoreland County Shoreline Sanitary Survey

Date: 25 September 2024

Survey Period: July 1 – September 3, 2024

Total Number of Samples Analyzed, and Sites Evaluated: 136

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SECTION A: GENERAL

This survey area extends from the shore at North Independence Drive (Route 1601) and ending at Kingcopsico Point at the end of King Copsico Farm Road, including the Potomac River shoreline and the tributaries of Nomini and Currioman Bays. The topography of the area begins with an elevation of 5' at the shoreline of White Point and 10' at Currioman Landing reaching to a maximum of 100-160' inland along the first order streams.

Glebe Harbor and Cabin Point communities are now served by a sanitary sewer system conveyed to Coles Point wastewater treatment plant, located in Growing Area # 006. Part of this infrastructure runs along Mt Holly Rd upstream of Buckner Creek. The rest of the survey area utilize onsite (septic) treatment systems.

Meteorological data indicated that 8.64" of rain fell during the survey period. A monthly breakdown follows:

Date range	Cumulative Rainfall	Avg. Monthly rainfall (2013-2023)
July 2024	4.5"	5.26"
August 2024	4.0"	4.2"
September 1-3, 2024	0.14"	NA Partial Month

For this survey, nearshore seawater stations were established to survey the full extent of navigable 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 point and nonpoint source pollution. Data from these stations were analyzed to compare fecal indicator bacteria (FIB) concentrations within the waterway and identify potential onshore contamination sources.

The table below shows hydrographic data, sampling times, and the range of enterococcus concentrations measured. Maps of the enterococcus sampling locations are provided at the end of this report.



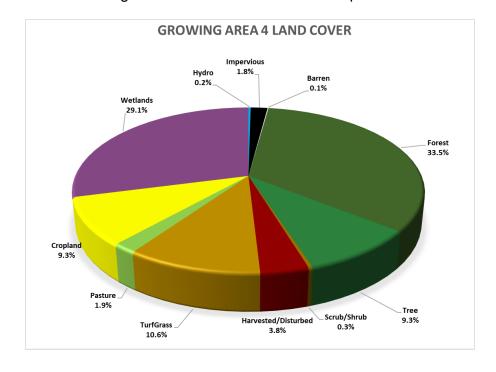
Sample dates	# of boats	High Tide*	Ebb Current **	Sampling time	Enterococcus range (MPN/100ml)	Day of	Previous 24 hrs	Previous 7 days
July 17	2	13:07	11:31	09:32 – 13:23	<10 - 52	0.1"	0	2.02"
July 18	2	13:57	12:33	10:06 – 12:51	<10 - 109	0.11"	0.1"	2.12"
July 25	1	06:56	06:54	10:24 – 12:43	<10 - 573	0.13"	0.29"	1.24"
Aug. 15	Onshore sample (Ditch)	NA	NA	10:30	906	0	0	0.67"
Aug. 19	1	03:19	03:32	10:57 – 13:09	<10 - 52	0.22"	0.72"	1.48"

Total rainfall for sampling period (July 17 – August 19, 2024) 4.87"

The 2020 census reported that there are an estimated 3943 residents across 2404 housing units in Growing Area # 004.

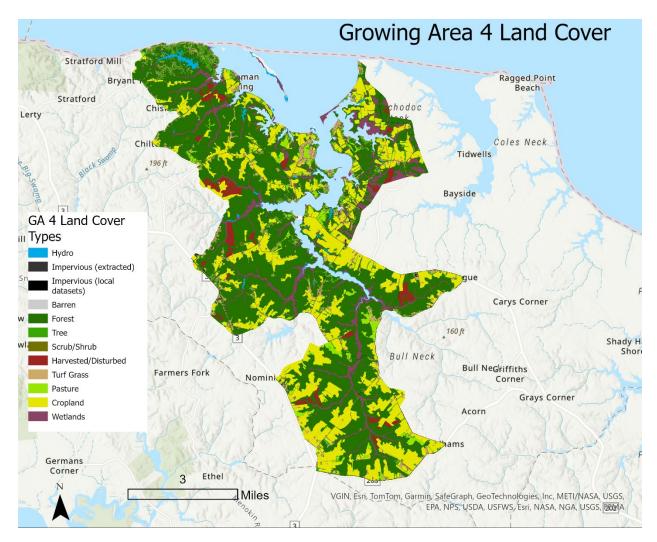
https://www.census.gov/geographies/reference-maps/2020/geo/2020-census-block-maps.html

Within Growing Area # 004 there are 4412 land parcels. Land Cover data are shown below:



^{*} HIgh Tide predicted from Mount Holly, Nomini Creek Va NOAA ID 8635409.

^{**} Slack Ebb current predicted from White Point, Nomini Creek entrance NOAA ID ACT5816.



Source: https://gismaps.vdem.virginia.gov/Download/Land Cover/County Report.pdf

Information in this report is gathered by and primarily for use by the Division of Shellfish Safety, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties.

Copies of VPDES permits and inspections are available at the Department of Environmental Quality. A directory and interactive map are available via the internet at https://www.deq.virginia.gov/permits/water/surface-waters-vpdes and https://geohub-vadeq.hub.arcgis.com/pages/Water%20Datasets

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at

https://www.vdh.virginia.gov/environmental-health/environmental-health-services/shellfish-safety/

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the significant activity or deficiency has a direct impact on shellfish waters.

SECTION B: SEWAGE POLLUTION SOURCES

	GA #		Deficiency or Pollution Type	l Latitude l	Longitude	Pollutant Remarks	Septic System Type	Structure	Contact	Overall Site Remarks	Locality	DSS Staff	Date of Correction	Correction Notes
11	5 4	N39A	POTENTIAL POLLUTION, indirect	38.135151	I - /h /5 I / /9 I	Pipe coming out concrete block near other structure.		Dwelling	N	Residential property. Home and detached structure appear to be vacant and not livable in current condition. There is debris/waste at the property. Dock potentially used by waterman.	Westmoreland	NS		
11	3 4	N46A	POTENTIAL POLLUTION, indirect	38.133185	-76.726339	House with windows boarded, uninhabited at time of survey. LHD has no onsite system records.		Dwelling		House on island partially overhanging tidal waters.	Westmoreland	NS		

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SECTION C: NONSEWAGE WASTE SITES

	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	Septic System Type	l Structure I	Contact	Overall Site Remarks	Locality	DSS Staff
1	4	217	SOLID WASTE DUMPSITE, indirect	38.156092	-76.785506	Trash collection area for community. close to steep ravine that leads to watershed.				Stratford Harbour solid waste dumpsite.	Westmoreland	NS
3	4	259	SOLID WASTE DUMPSITE, indirect	38.128601	-76.741179	Large shed, two old mobile homes (no occupancy), old vehicles, lawn mowers and scrap metal.			N		Westmoreland	NS
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SECTION D: BOATING ACTIVITY

	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Boating Activity Type	Number of Wet Slips	Evidence of Live- Aboards	Locality	DSS Staff
0	4	189	BOATING ACTIVITY, indirect	38.158327	-76.772285	Marina, boat ramp and kayak storage for Stratford Harbor community. 2 privy toilets on-site.		Marine		Stafford Harbour Boat Club.	Marina	37	N	Westmoreland	NS
2	4	236	BOATING ACTIVITY, indirect	38.153599	-76.761386	Public boat ramp. solid waste receptacles.		Marine		public boat ramp with trash receptacle	Under Surveillance	0	N	Westmoreland	NS
4	4	389	BOATING ACTIVITY, indirect	38.103915	-76.743505	Community boat ramp and pier. No boats in water at time of survey.		Marine			Under Surveillance	3	N	Westmoreland	NS
5	4	642	BOATING ACTIVITY, indirect	38.102879	-76.721423	3 workboats present at time of inspection.		Marine		Pier with multiple slips	Under Surveillance	8	N	Westmoreland	NS
6	4	643	BOATING ACTIVITY, indirect	38.103653	- /6 /20941	Dock has 2 active slips and is damaged. Previoulsly 15 slips.		Marine	Y	2 slips on property that has several old buildings and fuel tanks in berm.	Under Surveillance	2	N	Westmoreland	NS
8	4	664	BOATING ACTIVITY, indirect	38.100599	-76.714284	Large private boathouse and dock.		Marine		Private boat house with slips and dock with slips	Under Surveillance	8	N	Westmoreland	NS
11	8 4	G2	BOATING ACTIVITY, indirect	38.102793	-76.720305	Boat ramp and seafood landing site.		Marine	N	Boat ramp accessible to public. Boat ramp is used by oyster harvesters. Site is active with many crabpots in building and possible peeler activity in building.	Under Surveillance	2	N		NS

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SECTION E: ANIMALS PRESENT

GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
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SUMMARY

Growing Area # 004 Nomini and Currioman Bays 25 September 2024

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 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, INDIRECT** Periodic surveillance of these properties will be maintained to determine any status change.
 - 2 POTENTIAL POLLUTION # N39A. N46A

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
 - 2 INDIRECT # 217, 259
 - 2 C.2. TOTAL
- 3. STORMWATER OUTFALLS
 - 0 DIRECT None.
 - 0 INDIRECT None.
 - 0 E. TOTAL

SECTION D: BOATING ACTIVITY, INDIRECT

- 1 MARINA # 189
- 6 UNDER SURVEILLANCE # 236, 389, 642, 643, 664, G2
- 7 D. TOTAL

SECTION E: ANIMALS PRESENT

- 0 DIRECT None.
- 0 INDIRECT None.
- 0 E. TOTAL

