

# Department of Health

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# GARDNER, JACKSON AND BONUM CREEKS Growing Area # 006 Westmoreland County Shoreline Sanitary Survey

Date: 2 September 2021

Survey Period: April 19, 2021- July 27, 2021

Total Number of Properties Surveyed and Near-shore Samples Collected: 279

Surveyed By: W. Barrack, J. Carrier, W. McCarty, A. Roach & I. Geeson

**SECTION A: GENERAL** 

This survey area extends from Reference Point 6 at Ragged Point to Reference Point 7 at Sandy Point, including the Potomac River shoreline between these two points, Long Pond, Cherry Grove Creek, Gardner Creek, Jackson Creek, Bonum Creek and all of their tributaries within a designated boundary line drawn by the Division of Shellfish Safety.

The topography of the area ranges from 15 to 20 feet inland and falling to 5 to 15 feet along the shoreline. The economy in Westmoreland County is based on Government, Manufacturing, Retail Trade as well as Agricultural, Forestry, Fishing and Hunting.

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 classification status. All roadways and navigable shoreline within the survey boundary were visually inspected to identify potential pollution sources requiring further investigation.

Meteorological data indicated that the area received a total precipitation of 15.82" for the survey period. A monthly breakdown is as follows:

April 19-31 1.75" May 3.32" June 5.12" July 1-27 5.63"

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 was analyzed and used to compare relative concentrations of fecal indicator bacteria within the waterway to identify potential onshore sources of contamination.

Maps of the Enterococcus sampling are shown at the conclusion of this report. Hydrographic data is shown in the table below.



	Area 0	6 Nearshore San	Rainfall in Inches					
Sample	High Tide	Sampling time	Enterococcus	Day of	Previous	Previous		
dates	riigii ride	Sampling time	range (MPN/100ml)	Day Oi	48 hours	72 hours		
4/27/21	21 2:39 am 11:20-13:36		<10-41	0	0	0.52		
4/28/21	3:27 am 11:31-13:21		<10-52	0	0	0.52		
4/29/21	4:16 am	11:38-13:12	<10-120	0	0	0.51		
5/10/21	2:05 am	9:46-10:26	<10-31	0.08	0	1.15		
5/11/21	2:42 am	9:40-10:38	<10-295	0	0.08	0.8		
5/24/21	12:33 am	10:01-10:34	<10-20	0.12	0	0		
5/25/21	1:24 am	10:29-11:14	<10-41	0	0.12	0.12		
7/6/21 12:18 am		11:17-12:36	<10-52	0	0	1.415		

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 <a href="www.vdh.virginia.gov/shellfish/">www.vdh.virginia.gov/shellfish/</a>. Information in this report is gathered by and primarily for use of 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.

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 #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure	Contact	Overall Site Remarks	Locality	DSS Staff	Date of Correction	Correction Notes
17	6	W8	8/31/2021	SEWAGE TREATMENT FACILITY, indirect	38.103493	-76.628355	Road, Hague,	Coles Point WWTP and Land Application. 150,000 GPD design flow. 20,000 GPD avg. 25000 max.		Business	NA	DEQ Permit # VPA01423 Effluent is disinfected by liquid hypochlorite and land applied. Capacity overage is pumped and hauled. Bio-solids are disposed in landfill.		IG		

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## **SECTION C: NONSEWAGE WASTE SITES**

GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	stem Structure Type		Overall Site Remarks	Locality	DSS Staff

#### 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'	Evidence of Live- Aboards	DSS Staff
1780	6	W7	8/31/2021	BOATING ACTIVITY	38.142325	-76.614989		seasonal slips, fuel, ramp, electricity, repair, solid waste containers, 3 bathhouses w/ restroom facilities, dump station at campground and sewage holding pump out facilities. Marina is sewered.	NA	Marine	Υ	Coles Point Marina and RV Resort. Marina, Campground and Restaurant	Westmoreland	Marina	145	19	40	N	WB
4820	6	W2	8/31/2021	BOATING ACTIVITY	38.113097	-76.614402	Adjacent to 768 Travelers Rest Road, Hague, VA 22469	Available on site is an in-out ramp and a small landing for loading and unloading.	NA		N	Travelers Rest Civic Association	Westmoreland	Under Surveillance	0	0	0	NA	WB
1798	6	W3	8/31/2021	BOATING ACTIVITY	38.118514	-76.602888	Adjacent to 362 Waterview Drive, Hague, VA 22469	Private boat ramp, no boats are currently moored.	NA	Marine	N	Cherry Grove Beach Boat Club	Westmoreland	Under Surveillance	10	0	0	NA	WB
1809	6	W4	8/31/2021	BOATING ACTIVITY	38.107100	-76.599123	525 Wilton Woods Drive, Hague, VA 22469	Available on site are 2 seasonal slips and an in-out ramp.	NA	Marine	N	Wilton Woods Estates	Westmoreland	Under Surveillance	2	0	0	NA	WB
1807	6	W5	8/31/2021	BOATING ACTIVITY	38.091113	-76 581044	End of Route 763, Kinsale, VA 22488	Available on site is an in-out ramp and loading dock.	NA	Marine	N	Public Boat Ramp	Westmoreland	Under Surveillance	0	0	0	NA	WB
1806	6	W6	8/31/2021	BOATING ACTIVITY	38.091348	-76 580883	1336 Bonum Road, Kinsale, VA 22488	Available on site are 6 seasonal slips and restrooms are located at oyster house.	Conv	Business	N	Bonum's Oyster Company	Westmoreland	Under Surveillance	6	0	0	N	WB

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# **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

	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
1808	6	W1	8/10/2020	CONTRIBUTES ANIMAL POLLUTION, indirect	38.092044	-76.587758	1526 Peckatone Road, Kinsale, VA 22488	4 horses observed.		Dwelling	N		Westmoreland	

#### **SUMMARY**

Growing Area # 006 Gardner, Jackson and Bonum Creeks 2 September 2021

# **SECTION B: SEWAGE POLLUTION SOURCES**

- 1. SEWAGE TREATMENT FACILITIES
  - 0 DIRECT None
  - 1 INDIRECT # 8
  - 1 B.1. TOTAL
- **2. ON-SITE SEWAGE DEFICIENCIES** Correction of deficiencies in the section is the responsibility of the local health department.
  - 0 CONTRIBUES POLLUTION, DIRECT None.
  - 0 CONTRIBUES POLLUTION, INDIRECT None.
  - 0 CP (Kitchen or Laundry Wastes), DIRECT None.
  - 0 CP (Kitchen or Laundry Wastes), INDIRECT None.
  - 0 NO FACILITIES, DIRECT None.
  - <u>0</u> NO FACILITIES, INDIRECT None.
  - 0 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.
  - <u>0</u> INDIRECT None.
  - 0 C.1. TOTAL
- 2. SOLID WASTE SITES
  - 0 DIRECT None
  - 0 INDIRECT None
  - 0 C.2. TOTAL
- 3. STORMWATER OUTFALLS
  - 0 DIRECT None.
  - <u>0</u> INDIRECT None.
  - 0 E. TOTAL

## **SECTION D: BOATING ACTIVITY**

- 1 MARINA # 7
- 0 OTHER PLACES WHERE BOATS ARE MOORED None
- 5 UNDER SURVEILLANCE # 2, 3, 4, 5, 6
- 6 D. TOTAL

# **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

- 0 DIRECT None.
- 1 INDIRECT # 1
- 1 E. TOTAL



