



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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LITTLE WICOMICO RIVER
Growing Area # 010
Northumberland County
Shoreline Sanitary Survey

Date: 28 August 2017

Survey Period: April 27, 2017 – July 18, 2017

Total Number of Properties Surveyed: 212

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

SECTION A: GENERAL

This survey area extends from Reference Point 10 off Lighthouse View Road (extended to the Potomac River) to Reference Point 11 off State Route 652 (extended to the Chesapeake Bay), including the Potomac River and Chesapeake Bay shorelines between these two points, Little Wicomico River (Ellyson Creek, Bridgemans Back Creek, Spences Creek, Spring Cove, Sawmill Cove, Hansons Cove, Willis Creek, Sloop Creek, Cod Creek, Back Creek, Bridge Creek, Horse Pond, Sharps Creek, Slough Creek, Rock Hole), 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 100'± near the western edge of the survey boundary. The economy in Northumberland County is primarily comprised of manufacturing, government, agriculture, fisheries and construction as the major employers. According to a 2016 Census Bureau study, the population of the county was estimated at 12,330 with a population density of 65 people per square mile.

Meteorological data indicated that the area received a total rainfall of 10.36" during the survey period. A monthly breakdown is as follows:

April 27-30	0.03"	May	5.12"	June	2.76"	July 1-18	2.45"
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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 was to identify areas that had unusually high fecal coliform counts to be further investigated from the shore.

Information about Northumberland County can be found on the county's website at: www.co.northumberland.va.us. The Northumberland County Board of Supervisors, in accordance with section 54-16(B)5 (Chesapeake Bay Preservation Area Ordinance), has

initiated a program requiring that all on-site sewage disposal systems (septic systems) be pumped out at least once every five (5) years. As alternatives to this pump-out requirement, septic system owners may elect to have an effluent filter installed in the outflow pipe from the septic tank and submit documentation every five (5) years from a licensed sewage handler explaining that the system has been inspected, is functioning properly, and does not need to be pumped out.

In implementing this program, efforts have been made to only notify the owners of property believed to contain an on-site sewage disposal system (septic system). Once initially contacted, septic system owners will be re-notified on a recurring basis (once every five (5) years) regarding their need to comply with this program.

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.

Enterococcus near shore sampling was conducted from May 30 – June 30, 2017 and assisted in this survey. Near shore entero sampling results are documented on two maps at the conclusion of this survey.

SECTION B: SEWAGE POLLUTION SOURCES

[illegible]

SECTION C: NONSEWAGE WASTE SITES

[illegible]

SECTION D: BOATING ACTIVITY

[illegible]

SECTION E: CONTRIBUTES ANIMAL POLLUTION

[illegible]

SUMMARY

Growing Area # 010
Little Wicomico River
28 August 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.

0 – POTENTIAL POLLUTION – None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

2 – DIRECT – # W9, W15
0 – INDIRECT – None
2 – C.1. TOTAL

2. SOLID WASTE SITES

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

SECTION D: BOATING ACTIVITY

7 – MARINAS – # W1, W2, W3, W10, W11, W12, W13
5 – OTHER PLACES WHERE BOATS ARE MOORED – # W4, W5, W6, W8, W16
2 – UNDER SURVEILLANCE – # W7, W14
14 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

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

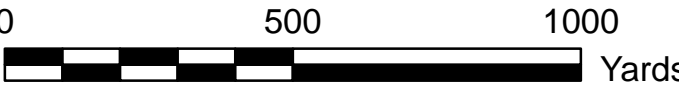
SECTION F: STORMWATER OUTFALLS

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

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010
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Legend

Seawater Sampling Stations (History)

- Active
- Inactive
- Sewered Areas
- Boat Ramps (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

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

Sample 1 of 2



GA # 010: Little Wicomico River Enterococcus Near-Shore Sampling May 30 - June 30, 2017

Sample 2 of 2

