



## COMMONWEALTH of VIRGINIA

Department of Health  
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### CHESAPEAKE BAY: DIVIDING CREEK Growing Area # 015 Northumberland County Shoreline Sanitary Survey

**Date:** 1 August 2024

**Survey Period:** May 10 – July 19, 2024

**Total Number of Samples analyzed, and Properties Surveyed:** 106

**Surveyed By:** M. Farnham, J. Freidman, & N. Shultz

#### SECTION A: GENERAL

This survey area spans from Dameron Marsh at the end of Cloverdale Road, south to Bluff Point at the end of Monarch Shores Road. The area includes the Chesapeake Bay shoreline between these two points, as well as Cloverdale Creek, Ball Creek, Dividing Creek (including Natty Point Cove and Lawrence Creek), Prentice Creek, Jarvis Creek, and all their tributaries.

Meteorological data indicated that 9.08" of rain fell during the survey period. A monthly breakdown follows:

| Date range      | Cumulative Rainfall (inches) | Avg. Monthly rainfall (2014-2024) |
|-----------------|------------------------------|-----------------------------------|
| May 10-31, 2024 | 2.58"                        | NA (partial month)                |
| June 2024       | 1.68"                        | 5.78"                             |
| July 1-18, 2024 | 4.82"                        | NA (partial month)                |

| Growing Area # 15 Nearshore Sampling                |            |               |               |                                |        | Rainfall in inches |                 |
|---|------------|---------------|---------------|--------------------------------|--------|--------------------|-----------------|
| Sample dates  | High Tide* | Ebb Current** | Sampling time | Enterococcus range (MPN/100ml) | Day of | Previous 24 hours  | Previous 7 days |
| 6/20/24   | 11:37      | 13:20         | 9:47 – 11:46  | <10 - 20                       | 0"     | 0"                 | 0.04"           |
| 7/1/24  | 08:45      | 10:25         | 8:56 – 13:06  | <10 - 1860                     | 0.11"  | 0.36"              | 1.22"           |
| 7/2/24  | 09:48      | 11:23         | 8:55 – 10:15  | <10 - 63                       | 0"     | 0.11"              | 1.33"           |
| 7/15/24   | 07:17      | 09:23         | 8:53 – 10:08  | < 10 - 63                      | 0"     | 0"                 | 4.25"           |
| Total rainfall for nearshore sampling period 5.85". |            |               |               |                                |        |                    |                 |

\*High Tide estimated from (NOAA ID 8631287).

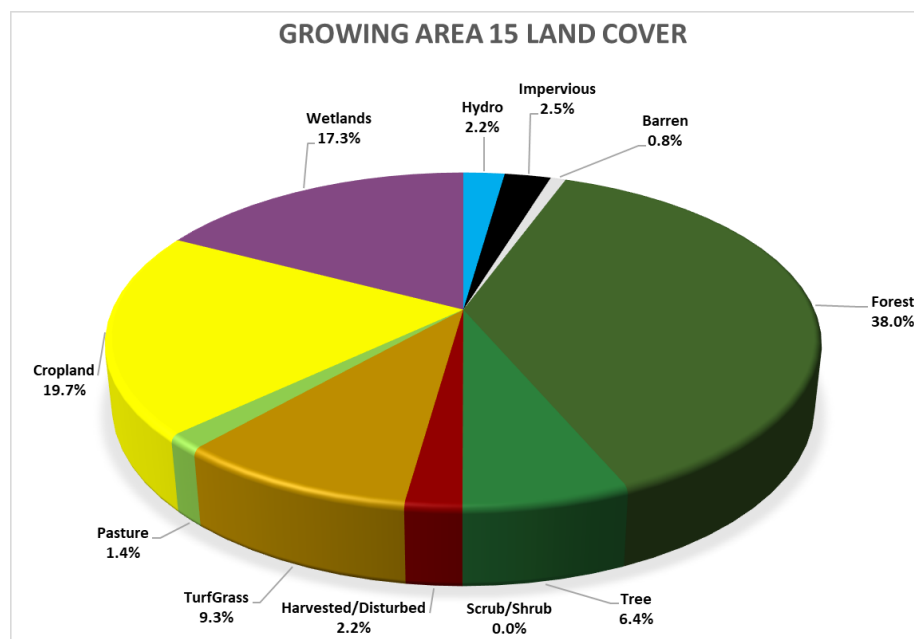
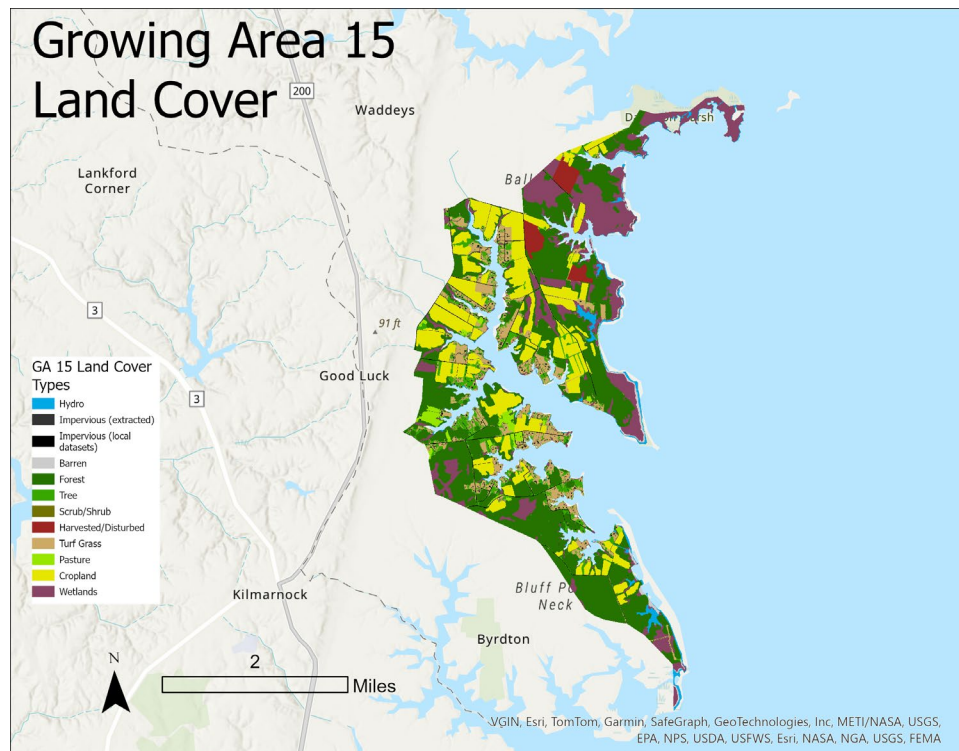
\*\* Slack Ebb current estimated from Bluff Point, 7.2 n.mi. east of (NOAA ID cb0801).

Elevation rises from less than 5' along the Chesapeake Bay shoreline to a maximum of 28' at the western boundaries of the headwaters.

The 2020 census reported that there are an estimated 442 residents across 360 housing units in Growing Area # 015.

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

Within Growing Area # 015 there are 1053 Land Parcels. Land Cover data are shown below.



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-regulations/permits/water/surface-water-virginia-pollutant-discharge-elimination-system> 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 D: BOATING ACTIVITY

[illegible]

## SECTION E: ANIMALS PRESENT SITES

[illegible]

## SUMMARY

Growing Area # 015  
Chesapeake Bay: Dividing Creek  
1 August 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 – 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.  
0 – 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.  
0 – INDIRECT – None.  
0 – E. TOTAL

### SECTION D: BOATING ACTIVITY, INDIRECT

0 – MARINAS – None.  
2 – UNDER SURVEILLANCE – # 186, 256  
2 – D. TOTAL

### SECTION E: ANIMALS PRESENT

0 – DIRECT – None.  
2 – INDIRECT – # 203, M35.5  
2 – E. TOTAL



Virginia Department of Health  
Division of Shellfish Sanitation

Chesapeake Bay: Dividing Creek  
# 015  
Shoreline Sanitary Survey

Northumberland County

Date: 1 August 2024  
Survey By: M. Farnham, J. Freidman,  
& N. Shultz  
Number of Properties Surveyed: 106



0 800 1600  
Yards

**Legend**

**Seawater Sampling Stations**

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.



# Near Shore Enterococcus Sampling Growing Area # 015 - Chesapeake Bay: Dividing Creek Northumberland County

\* Highest value was 1860 collected at  
station # J30 on 7/1/24.

0 1500 3000  
Yards



## Legend

Enterococcus spp. (MPN/100ml)

Sampling Dates: 6/20/24 - 7/15/24

- < 10
- 10 - 100
- 101 - 1000
- 1001 - 10000
- > 10000

GrowingAreasNew  
NorthernNeck