COMMONWEALTH of VIRGINIA
Department of Health
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Rappahannock River: Accaceek Point to Tappahannock Bridge
Growing Area # 025A
Richmond County
Shoreline Sanitary Survey

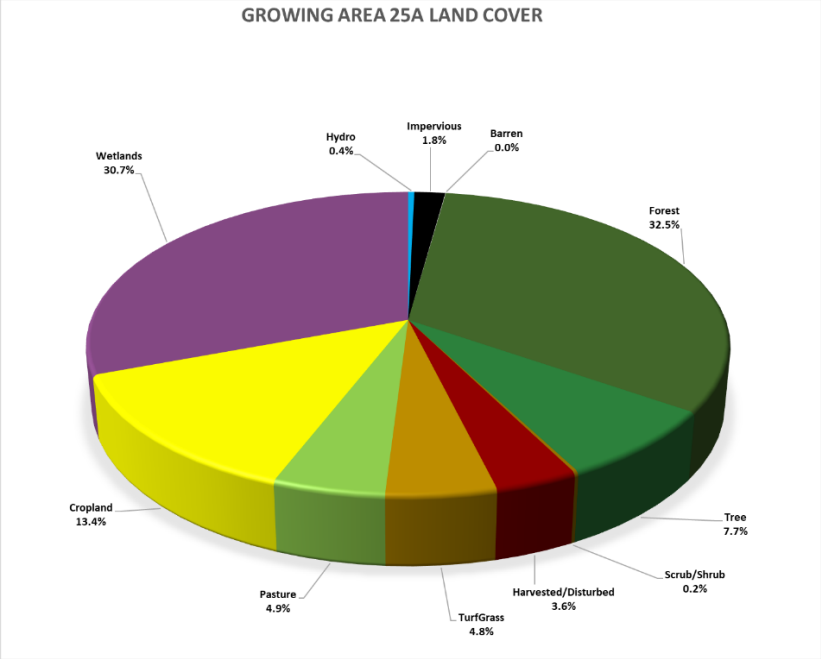
Date: 30 December 2024
Survey Period: 10/25/24 - 12/12/24
Total Number of Properties Visited and Samples analyzed: 23
Surveyed By: M. Farnham, J. Friedman

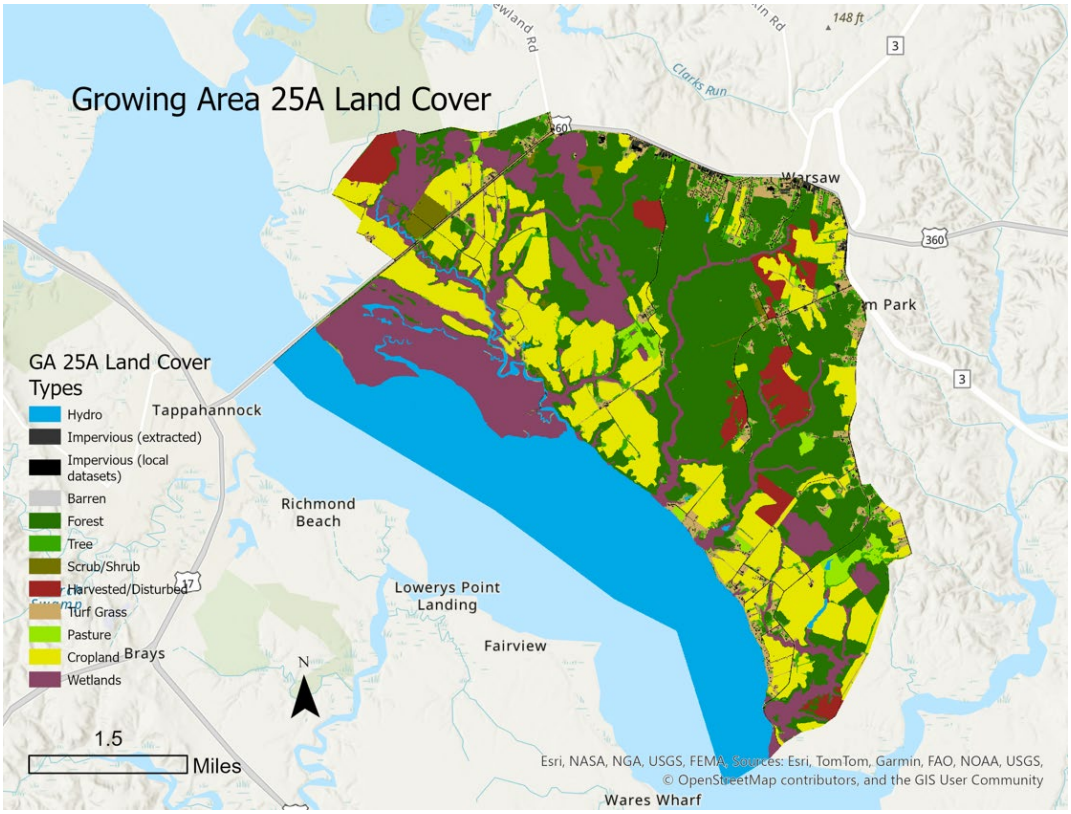
SECTION A: GENERAL

This survey area extends from Reference Point 26 at the Downing Bridge, including the Rappahannock River shoreline between these two points, Pecks Creek, Jugs Creek, Little Carter Creek, McGuire Creek, and all of their tributaries.

The 2020 census reported that there are an estimated 1576 residents across 589 housing units in Growing Area 25A. The population density is 69.4 residents per square mile.

Within Growing Area 25A there are 1415 land parcels. Land Cover data are shown below.





Source: https://gismaps.vdem.virginia.gov/Download/Land_Cover/County_Report.pdf

The area includes populations served by sanitary sewer as well as those with onsite sewage systems. Sewer service is provided by the Town of Warsaw with a wastewater treatment plant that discharges to Totuskey Creek in Growing Area 25.

The topography of the area varies in elevation from the shoreline to a maximum of 130' along the eastern edge of the survey boundary.

Meteorological data indicated that 3.36" of rain fell during the survey period. A monthly breakdown follows:

Date range	Cumulative Rainfall	Avg. Monthly rainfall (2013-2023)
October 25- 31, 2024	0.02"	NA-partial month
November 2024	2.09"	2.87"
December 1 -12, 2024	1.25"	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. Station data were analyzed to compare relative concentrations of fecal indicator bacteria within the waterway to identify potential onshore sources of contamination.

Hydrographic data, sampling times and range of enterococcus concentrations measured are shown in the table below. Maps of the enterococcus sampling are shown at the conclusion of this report.

Growing Area # 25A 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
12/10/24	08:39	11:05-16:41	9:31am - 12:09pm	<10 - 10	0.01”	0.02”	0.02”
12/12/24	10:43	13:23-16:08	9:38 - 10:36	259-565	0”	1.22”	1.25”
Total rainfall for nearshore sampling period (12/10 - 12/24) 1.23””							

* High Tide Predicted from Tappahannock (NOAA ID 8635881).
** Ebbing Current Predicted from Tappahannock Bridge, 1.8 miles SE of NOAA ID (ACT5596).

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/test-water-page

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 #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	OVERALL_SI	Locality	DSS Staff	Date of Correction	Correction Notes

SECTION C: NONSEWAGE WASTE SITES

	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	OVERALL_SI	Locality	DSS Staff

SECTION D: BOATING ACTIVITY, INDIRECT

	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	OVERALL_SI	Boating Activity Type	Number of Wet Slips	Evidence of Live-Aboards	Locality	DSS Staff

Shoreline Survey # 025A

SECTION E: ANIMALS PRESENT SITES

	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	OVERALL_SI	Locality	DSS Staff
0	25A	34	CONTRIBUTES ANIMAL POLLUTION, indirect	37.912182	-76.777667	20 cattle on site, manure often worked into field.		Richmond	MF

SUMMARY

Growing Area # 025A
Rappahannock River: Accaceek Point to Tappahannock Bridge
30 December 2024

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

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

2. ON-SITE SEWAGE DEFICIECIES – 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

0 – DIRECT – None.
0 – INDIRECT – None.
0 – C.3. TOTAL

SECTION D: BOATING ACTIVITY, INDIRECT

0 – MARINAS – None.
0 – UNDER SURVEILLANCE – None.
0 – D. TOTAL

SECTION E: ANIMALS PRESENT

0 – DIRECT – None.
1 – INDIRECT – # 34
1 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Rappahannock River:
Accaceek Point to Tappahannock Bridge
025A
Shoreline Sanitary Survey

Richmond County

Date: 30 December 2024
Survey By: M. Farnham & J. Friedman
Number of Properties Surveyed: 23

N

0 800 1,600
Yards

76°49'30"W 76°48'0"W 76°46'30"W 76°45'0"W

37°57'0"N 37°55'30"N 37°54'0"N

25A-9 25A-8 25A-7 25A-5 25A-3 25A-2 25A-1
26A-12 26A-10 26A-9 26A-8 26A-5 26A-4 26A-3 26A-2

LITTLE CARTER MeGuire Cr CREEK Jugs Creek Balls Creek Taylors Creek Pecks Creek

PAPAHANNOCK RIVER

RICHMOND CO
ESSEX CO

Mangoright Point
Richmond Beach
Jones Point
Tidal Flat
Island Farm
Tidal Flat
Fairview
Lowery Point
Sabine Hall
Islington Landing
Accopatough Beach
Wellford
Accaceek Point
Sandpit
Sandpits
Radio Tower
Cem
Light

A 34

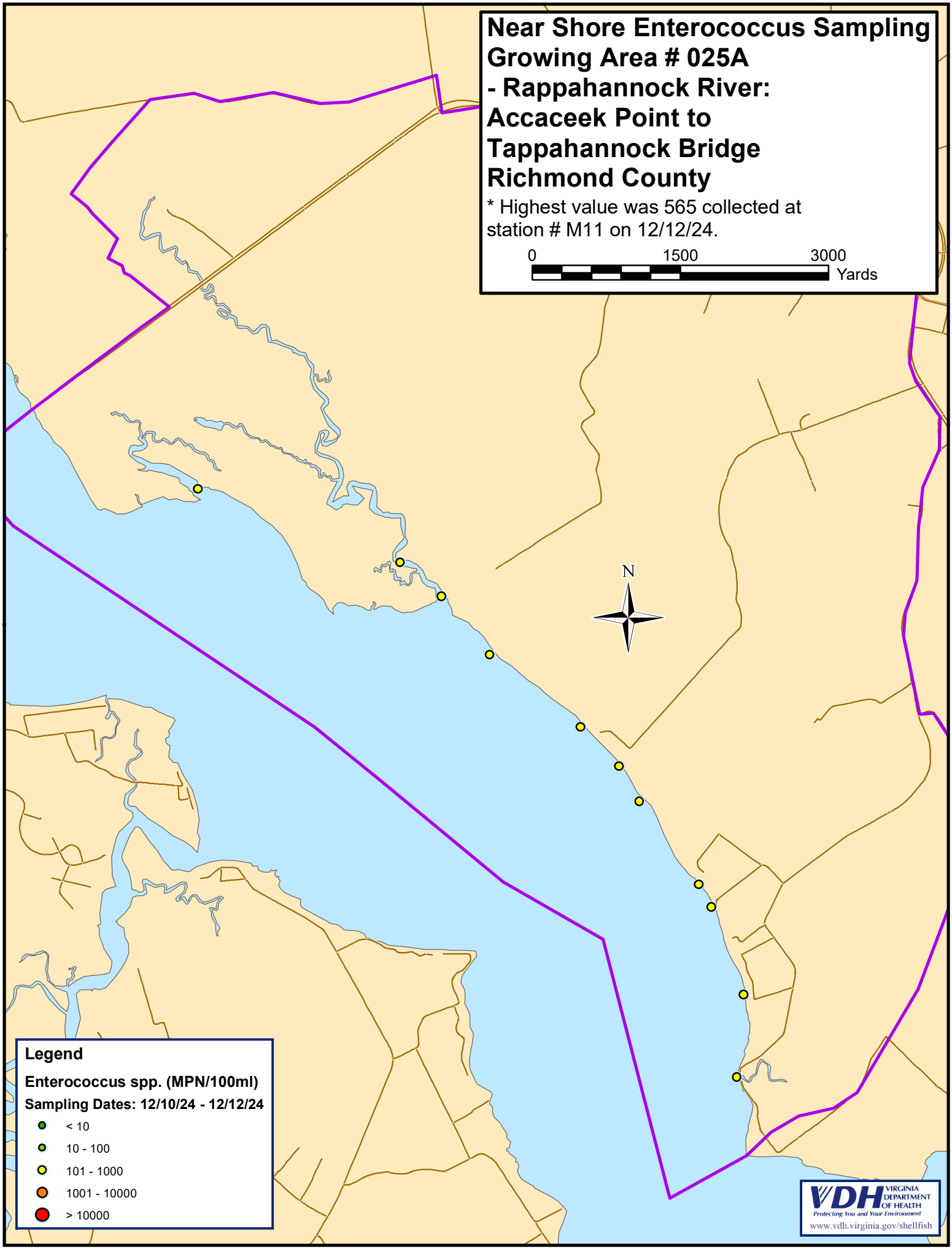
Legend

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
- S Stormwater, Direct
- S Stormwater, Indirect
- Boating Activity
- A Contributes Animal Pollution - Direct
- A Contributes Animal Pollution - Indirect

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

VDH VIRGINIA DEPARTMENT OF HEALTH
Protecting You and Your Environment
www.vdh.virginia.gov/shellfish


Near Shore Enterococcus Sampling
Growing Area # 025A
- Rappahannock River:
Accaceek Point to
Tappahannock Bridge
Richmond County
* Highest value was 565 collected at station # M11 on 12/12/24.
0
1500
3000
Yards
N
Legend
Enterococcus spp. (MPN/100ml)
Sampling Dates: 12/10/24 - 12/12/24
< 10
10 - 100
101 - 1000
1001 - 10000
> 10000
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