



COMMONWEALTH of VIRGINIA

Department of Health
P O BOX 2448
RICHMOND, VA 23218

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CRADDOCK CREEK Growing Area # 083 Accomack County Shoreline Sanitary Survey

Date: 7 June 2023

Survey Period: March 8, 2023 – May 20, 2023

Total Number of Samples Taken and Properties Surveyed: 57

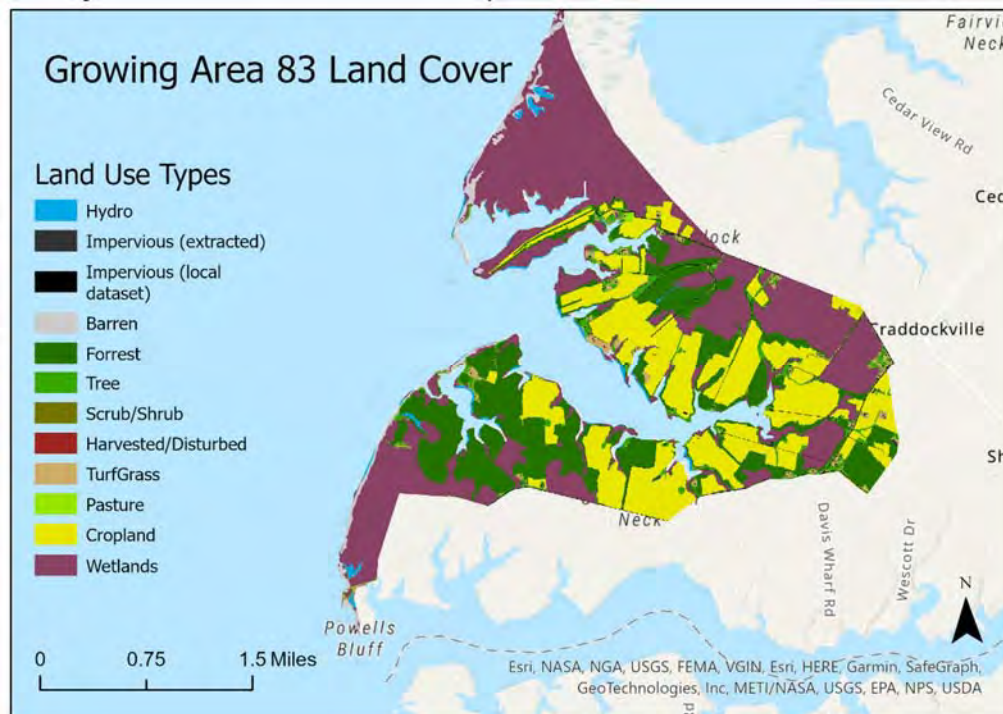
Surveyed By: T. Charnock, R. Snead, & I. Geeson

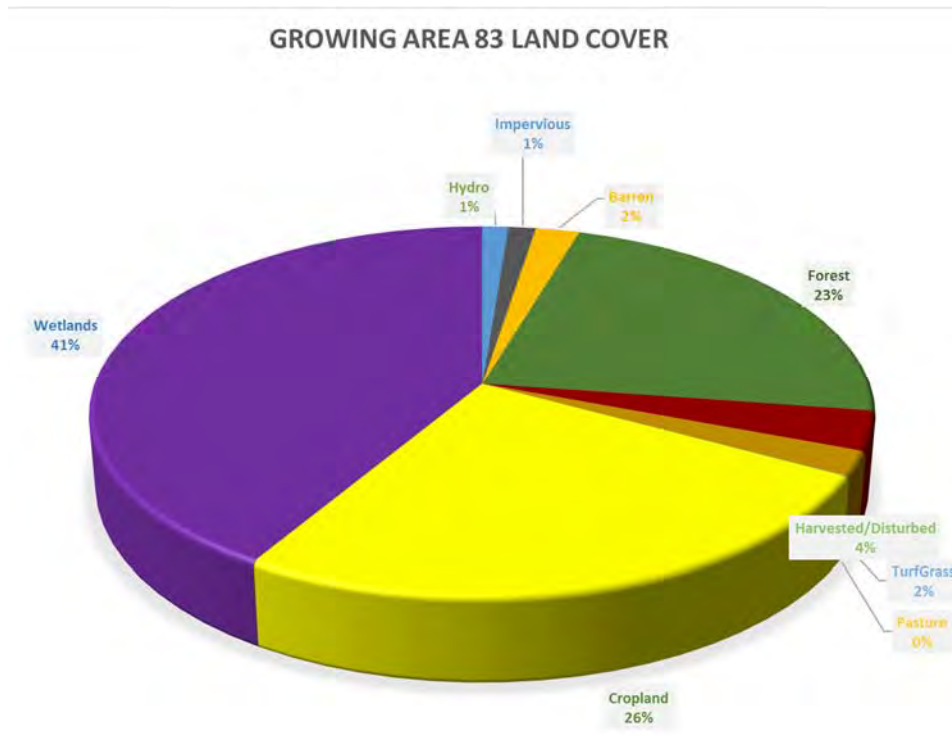
SECTION A: GENERAL

This survey area extends from Reference point 83 at Milbys Point to Reference Point 84 at Powells Bluff, including the Chesapeake Bay shoreline between these points, Back Creek, Craddock Creek, Bull Cove, and all of their tributaries.

The Craddock Creek watershed falls within Accomack County. The terrain is relatively low, varying from low marsh along the bay to a 30' elevation along the eastern headwaters. The population in Accomack County remained stable over the last census period at around 33,000 residents. Data from 2021 indicate there are 22,044 housing units. In 2022, 207 building permits were issued. <https://www.census.gov/quickfacts/fact/table/US/PST045221>

Within Growing Area 83, there are 167 land parcels. Land Cover data are shown below.





Meteorological data indicated that a total of 5.53" of rain fell during the survey period. A monthly breakdown of rainfall (inches) is as follows:

Date Range	Cumulative Rainfall (inches)	Average Monthly rainfall 2012-2022
3/8/23 – 3/31/23	0.8"	NA (partial month)
4/1/23 – 4/30/23	2.99"	3.23"
5/1/23 – 5/20/23	1.74"	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 # 83 Nearshore Sampling						Rainfall in inches	
Sample date	High Tide*	Ebb Current **	Sampling time	Enterococcus range (MPN/100ml)	Day of	Previous 24 hours	Previous 7 days
3/20/23	10:39	12:58	10:46-11:57	9-62	0	0	0.46
4/3/23	10:04	12:24	10:11-12:16	9-63	0	0.14	0.55
5/18/23	10:45	12:38	11:00-11:42	9-52	0	1.12	1.29
Total rainfall for nearshore sampling period 3/20/23 – 5/18/2023							5.01"

* High Tide Estimated from Occohannock Creek, NOAA Station ID #1919.

** Slack Ebb Current Estimated from Nassawadox Point Station ID #4616.

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.

From most recent Evaluation

- Seventy-five (75) properties were inspected during the most current shoreline sanitary survey dated 26 July 2013.

Outstanding On-site Deficiencies:

- CPs: None.
- CPKLs: None.
- NFs: None.

Other Significant Properties:

- PPs: None.
- IWs: None.
- SWDs: None.
- Stormwater: None.
- BAs: None.
- CAPs: None.

*Other - Tower/Structure (hunting cabin) with solar panels at the end of Craddock Neck Road Teackle Road has VDH approved Onsite System per Local Health Department Records.

Commonwealth of Virginia Department of Health Accomack County		Health Department Identification Number 96-100-0302 Map Reference 108 (A) 12	
General Information			
Water Supply System:	New <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	Public <input type="checkbox"/> FHA <input type="checkbox"/> VA <input type="checkbox"/>	Case No. <input type="text"/>
Sewage Disposal System:	New <input checked="" type="checkbox"/> Repair <input type="checkbox"/>	Expanded <input type="checkbox"/> Conditional <input type="checkbox"/> Public <input type="checkbox"/>	
Based on the application for a sewage disposal system construction permit filed in accordance with Section 2.13 E. of the <u>Sewage Handling and Disposal Regulations</u> and/or Section 2.13 of the <u>Private Well Regulations</u> a construction permit is hereby issued to:			
Owner	Turner Sculpture	Telephone	
Address	PO Box 128/Onley, VA 23418	For a Type	Sewage Disposal System or Well
be constructed on/at	End of Craddock Neck Road	Lot	Actual or estimated water use 450 gpd
Subdivision		Section/Block	
DESIGN		NOTE: SEWAGE DISPOSAL SYSTEM INSPECTION RESULT	
		Water supply location: Satisfactory yes <input checked="" type="checkbox"/> no <input type="checkbox"/>	

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

-None-

ON-SITE SEWAGE DEFICIENCIES

- CONTRIBUTES POLLUTION (kitchen or laundry waste) – Location: 9487 Scarborough's Neck Road, Belle Haven. Dwelling – 2 story wood frame with metal roof. No contact, seasonal use likely. A two-inch PVC pipe exits side of home, with outfall at ground surface. Evidence of previous discharge, grey water suspected. Sanitary Notice issued. PVC pipe(2") coming from house into ground. *Appears to be from kitchen or laundry. North East side of house. Visited 3/9/23 Tyler Charnock*

POTENTIAL POLLUTION

-None-

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

-None-

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

-None-

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-

SUMMARY

Growing Area # 083
Craddock Creek
7 June 2023

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

0 – DIRECT – None.
0 – INDIRECT – None.
0 – 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.
1 – CP (Kitchen or Laundry Wastes), INDIRECT – # T1
0 – NO FACILITIES, DIRECT – None.
0 – NO FACILITIES, INDIRECT – None.
1 – 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 – TOTAL

2. SOLID WASTE DUMPSITES

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

3. STORMWATER OUTFALLS

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

SECTION D: BOATING ACTIVITY

0 – MARINAS – None.
0 – OTHER PLACES WHERE BOATS ARE MOORED – None.
0 – UNDER SURVEILLANCE – None.
0 – TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

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

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 # 083
Craddock Creek
7 June 2023

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SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

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0 – INDIRECT – None.
0 – TOTAL

2. SOLID WASTE DUMPSITES

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

3. STORMWATER OUTFALLS

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

SECTION D: BOATING ACTIVITY

0 – MARINAS – None.
0 – OTHER PLACES WHERE BOATS ARE MOORED – None.
0 – UNDER SURVEILLANCE – None.
0 – TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

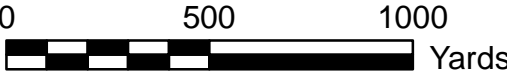
0 – DIRECT – None.
0 – INDIRECT – None.
0 – TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Craddock Creek
083
Shoreline Sanitary Survey

Accomack County

Date: 7 June 2023
Survey By: T. Charnock, R. Snead & I. Geeson
Number of Properties Surveyed: 57



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 # 083 - Craddock Creek Accomack County

* Highest value was 63 collected on
4/3/23 at station # C3.

0 1000 2000
Yards

Legend

Sampling Dates: 3/20/23 - 5/18/23

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

