



COMMONWEALTH of VIRGINIA

Department of Health
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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

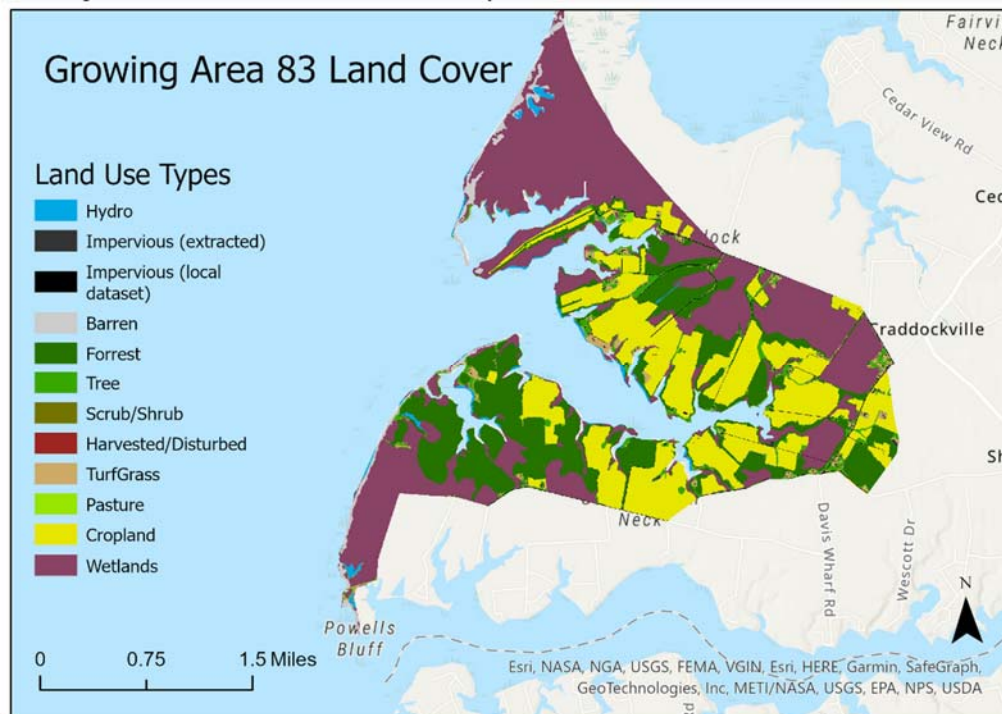
Surveyed By: T. Charnock, R. Snead, & I. Geeson

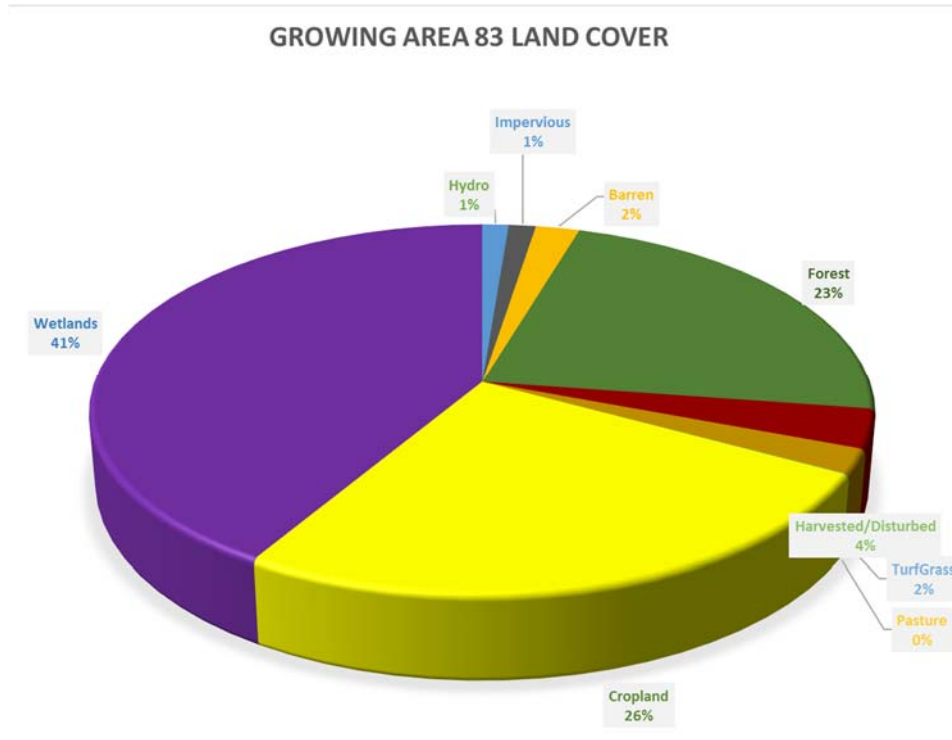
SECTION A: GENERAL

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		Health Department		96-100-0302				
Department of Health		Identification Number						
Accomack County		Map Reference		108 (A) 12				
General Information								
Water Supply System:	New	XX	Repair	Public	FHA	VA	Case No.	
Sewage Disposal System:	New	XX	Repair	Expanded	Conditional	Public		
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

	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff	Date of Correction	Correction Notes
2155	83	T1	5/23/2023	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.581684	-75.923415	PVC pipe(2") coming from house into ground. Appears to be from kitchen or laundry. North East side of house.Visited 3/9	Conv	Dwelling	N	Dark brown two story house. Entire property for sale.	Accomack	TC		

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

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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