



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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COAN RIVER, THE GLEBE AND KINGSCOTE CREEK
Growing Area # 008
Northumberland County
Shoreline Sanitary Survey

Date: 19 June 2017
Survey Period: October 25, 2016 – May 19, 2017
Total Properties Surveyed: 1104
Surveyed By: W.I. Barrack III

Section A: GENERAL

This survey area extends from Reference Point 8 at the end of State Route 680 to Reference Point 9 at Great Point. Included in this area is the Potomac River shoreline between these two points and include Garners Creek, Judith Sound, Kingscote Creek, The Glebe (Wrights Cove, Glebe Creek), Coan River (Killneck Creek, Mill Creek, Coan Mill Stream, Headley Creek, Boathouse Pond), Balls Creek and all of their tributaries. The survey boundary, drawn by the Division of Shellfish Sanitation, has been revised. See map for current boundary.

During the survey period, meteorological data indicated that 19.81" of precipitation were recorded. Monthly totals below were recorded by the Division of Shellfish Sanitation in White Stone, Virginia. A monthly breakdown follows:

October 25-31, 2016	0.12"	January 2017	0.65"	April	0.81"
November	0.41"	February	0.22"	May 1-19	0.84"
December	1.02"	March	2.52"		

The topography of the area varies from 5' or less along the shoreline to a maximum of 110'± near the southwestern 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.

The area has experienced several major storms since the 2009 shoreline survey including Hurricane Irene in 2011 and Hurricane Sandy in 2012. The village of Lewisetta experienced tidal flooding and severe storm damage left fuel spills, damaged docks and shoreline erosion. According to the NOAA MPE Rainfall database, Hurricane Irene rainfall totals over the three day span measured 8.85". Hurricane Sandy had similar effects on the survey area just over a year later, pounding the shoreline with heavy winds and rainfall totaling 9.85" in a 7 day span.

Special near-shore Enterococci seawater sampling was conducted in addition to the regularly scheduled 'routine' Fecal coliform seawater sampling via systematic random sampling methods

per NSSP criteria. Near shore sampling was conducted 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 on shore property inspections.

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 is also made available to local health departments and other agencies to address items that may be of concern with their regulatory programs.

SECTION C: NONSEWAGE WASTE SITES

NO.	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
16	8	W622	6/20/2016	INDUSTRIAL WASTES, direct	37.988514	-76.475288	1146 Honest Point Rd, Lottsburg, VA 22511	General permit #VAG524037 for seafood processing facility and storm water discharges.	Conv	Marine	N	Keyser Brothers, Inc.	Northumberland	WB
18	8	W715	6/20/2016	INDUSTRIAL WASTES, direct	37.972088	-76.469683	755 Lake Landing Dr., Lottsburg, VA 22511	Seafood Processing Plant VA90SP. Aquaculture float and wet storage permits.	Conv	Marine	Y	Cowart Seafood, Inc.	Northumberland	WB
959	8	W910	5/19/2017	SOLID WASTE SITES, direct	37.946096	-76.505462	4049 Northumberland Hwy., Lottsburg, VA 22511	Metal scrap yard that houses junk cars, appliances, copper, aluminum, steel, batteries, etc.	Conv	Business	Y	Lottsburg Metals	Northumberland	WB
116	8	W98	11/3/2016	STORMWATER, direct	37.998942	-76.462624	River Road, Lottsburg, VA 22511	Storm water outfall pipe that empties runoff from ditches along River Rd into Coan River.	NA		N		Northumberland	WB
478	8	W1104	2/23/2017	STORMWATER, direct	37.966033	-76.480007	Coan Haven Road, Lottsburg, VA 22511	Storm water outfall pipe that empties runoff from ditches along Coan Haven Road into Coan River.			N		Northumberland	WB

SECTION D: BOATING ACTIVITY

FIG. 1	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Contact	Overall Site Remarks	Locality	Boating Activity Type	Number of Wet Slips	NUM BOATS <26'	NUM BOATS >26'	Evidence of Live-Aboards	DSS Staff
0	8	W125	6/20/2016	BOATING ACTIVITY	37.996901	-76.464338	369 Church Ln, Lottsburg, VA 22511	Several RV's on site. Seasonal use and waste is carried to dump station. General store has own drainfield and fuel station office has separate bathroom and drainfield.	Conv	Y	Lewisetta Marina	Northumberland	Marina	20	8	5	N	WB
4	8	W156	6/20/2016	BOATING ACTIVITY	38.001512	-76.470629	103 Lake Francis Ln, Lottsburg, VA 22511	Wooden in-out ramp rotten and not usable. Restroom facility provided in form of privy. No pump out or fuel services provided.	Privy	Y	Lake Francis Marina	Northumberland	Marina	25	7	5	N	WB
16	8	W622	6/20/2016	BOATING ACTIVITY	37.988514	-76.475288	1146 Honest Point Rd, Lottsburg, VA 22511	Shellfish Shipper-Seafood Processor	Conv	N	Keyser Brothers, Inc.	Northumberland	Marina	10	2	1	N	WB
17	8	W669	6/20/2016	BOATING ACTIVITY	37.982430	-76.472022	3170 Lake Rd., Lottsburg, VA 22511	In out ramp. Dump station operable. Restroom facilities, water and electric provided. 2 large fuel tanks 50 ft from water surrounded by berm.	Conv	Y	Coan River Marina	Northumberland	Marina	60	1	2	N	WB
2	8	W146	6/20/2016	BOATING ACTIVITY	37.999819	-76.467486	108 Island Ln, Lottsburg, VA 22511	Private dock that houses personal and charter boats of owner.	NA	N	Go Fish Charters	Northumberland	OPWBAM	4	1	2	N	WB
6	8	W201	6/20/2016	BOATING ACTIVITY	38.000307	-76.483435	Adjacent to 292/318 Kingscote Dr., Lottsburg, VA 22511	Loading dock. In-out concrete ramp	NA	N	Kingscote Homeowners Association	Northumberland	Under Surveillance	1	0	0	N	WB
13	8	W525	6/20/2016	BOATING ACTIVITY	37.977247	-76.496824	131 Sunrise Ct, Lottsburg, VA 22511	In-out ramp, no other facilities provided.	NA	N	Coan Harbour Estates	Northumberland	Under Surveillance	1	0	0	NA	WB
18	8	W715	6/20/2016	BOATING ACTIVITY	37.972088	-76.469683	755 Lake Landing Dr., Lottsburg, VA 22511		Conv	Y	Cowart Seafood, Inc.	Northumberland	Under Surveillance	4	0	1	N	WB
19	8	W944	6/20/2016	BOATING ACTIVITY	37.941376	-76.483860	End of Rt. 612, Lottsburg, VA 22511	In-out ramp and small dock on site. No additional services provided.	NA	N	Forest Landing Public boat ramp	Northumberland	Under Surveillance	3	2	1	N	WB
20	8	W983	6/20/2016	BOATING ACTIVITY	37.936716	-76.482223	End of Rowes Landing, Heathsville, VA 22473	In out ramp with small dock. No additional services provided.	NA	N	Rowes Landing	Northumberland	Under Surveillance	2	0	0	N	WB
22	8	W1028	6/20/2016	BOATING ACTIVITY	37.941990	-76.480654	Adjacent to 690 Coan Dr., Heathsville, VA 22473	Concrete ramp & loading/unloading dock for residents on Coan Drive. Plat shows a right of way to the water.	NA	N		Northumberland	Under Surveillance	0	0	0	N	WB

SUMMARY

Growing Area # 008
Coan River, The Glebe and Kingscote Creek
19 June 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
1 – NO FACILITIES, INDIRECT – # W246
1 – B.2 TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

1 – POTENTIAL POLLUTION – # W25

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

2 – DIRECT – # W622, W715
0 – INDIRECT – None
2 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None
1 – INDIRECT – # W910
1 – C.2. TOTAL

3. STORMWATER OUTFALLS

2 – DIRECT – # W98, W1104
0 – INDIRECT – None
2 – E. TOTAL

SECTION D: BOATING ACTIVITY

4 – MARINAS – # W125, W156, W622, W669
1 – OTHER PLACES WHERE BOATS ARE MOORED – # W146
6 – UNDER SURVEILLANCE – # W201, W525, W715, W944, W983, W1028
11 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
3 – INDIRECT – # W477, W934, W1015
3 – E. TOTAL

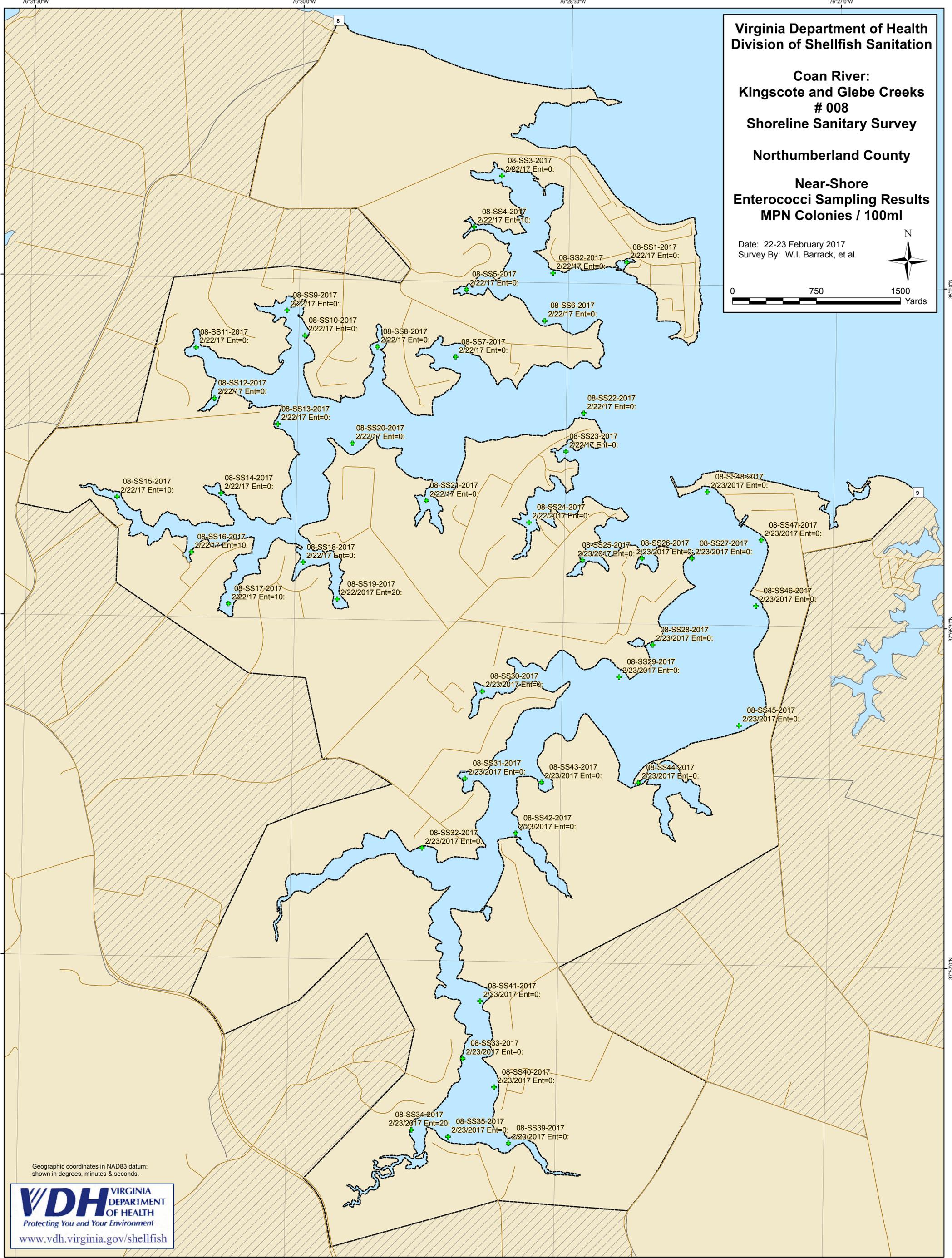
Virginia Department of Health
Division of Shellfish Sanitation

Coan River:
Kingscote and Glebe Creeks
008
Shoreline Sanitary Survey

Northumberland County

Near-Shore
Enterococci Sampling Results
MPN Colonies / 100ml

Date: 22-23 February 2017
Survey By: W.I. Barrack, et al.



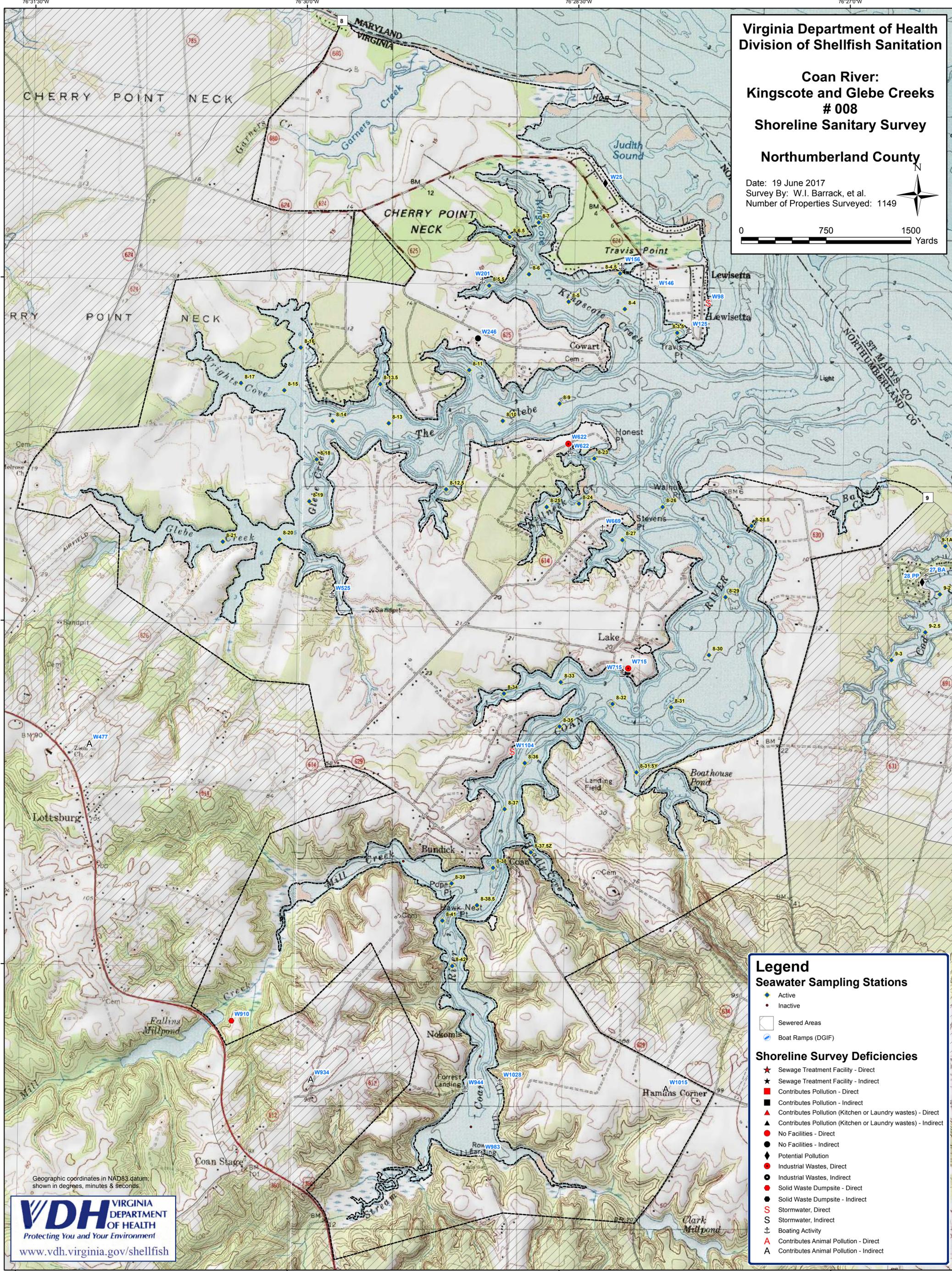
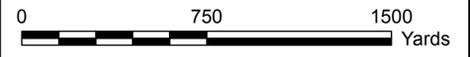
Geographic coordinates in NAD83 datum;
shown in degrees, minutes & seconds.

Virginia Department of Health
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Coan River:
Kingscote and Glebe Creeks
008
Shoreline Sanitary Survey

Northumberland County

Date: 19 June 2017
Survey By: W.I. Barrack, et al.
Number of Properties Surveyed: 1149



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.