



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

Marissa J. Levine, MD, MPH, FAAFP
State Health Commissioner

109 Governor Street, 6th Floor
P.O. Box 2448
Richmond, Virginia 23218

Ph: 804-864-7487
Fax: 804-864-7481

Corrotoman River
Growing Area # 021
Lancaster County
Shoreline Sanitary Survey

Date: 21 May 2014

Survey Period: September 16, 2013 – April 21, 2014

Total Number of Properties Surveyed: 2278

Surveyed By: D.R. Beuchelt

Section A: GENERAL

This survey area extends from Reference Point 21 at Orchard Point to Reference Point 22 at Towles Point, including the entire Corrotoman River watershed between these two points. The survey includes Taylor, Moran, Myer, Town and Whitehouse Creeks (Millenbeck and Ewells prongs), the Eastern branch (Quarter Cove, Norris Prong, Camps Prong, Browns Creek, Punches Cove, Bells Creek and Hills Creek), the western branch (John Creek, Davis Creek, Little Branch, Senior Creek, and Lowery Creek) and all of their tributaries within a boundary line set by the Division of Shellfish Sanitation (DSS).

The topography of the area surveyed begins at the shoreline and increases to 100 feet at the outer edge of the survey boundary line. There are several subdivisions located within the boundary line. Some of these are new developments that have been divided into lots that are for sale. According to the 2010 U.S. Census, Lancaster County showed a 1.5% decrease in population with a count of 11,391. The economy is based mainly on administration and support, accommodation and food services, health care and construction.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms. In September 2010 heavy rainfall fell during Tropical Storm Nicole resulting in the destruction of the dam at Blakemore Millpond located at the head water of the Western Branch on Route 201. Approximately 18.5" of rain fell during that week. When the dam failed, the entire reservoir spilled into the Little Branch of the Western Branch of the Corrotoman River. Hurricane Irene hit the state in 2011. And Hurricane Sandy dropped 8.86" of rain on October 28-30, 2012 and produced more flooding in the area. Meteorological data indicated that 24.69" of rain fell during this survey. A monthly breakdown is as follows:

Sept 16-30, 2013	0.85"	November	3.18"	January 2014	3.27"	March	3.72"
October	3.04"	December	5.43"	February	2.52"	Apr 1-21	2.68"

The Commonwealth of Virginia, under Code Section 9VAC 10-20-120.7, specifies that on-site sewage treatment systems not requiring a Virginia Pollutant Discharge Elimination System (VPDES) permit shall:

- a. *Have pump-out accomplished for all systems at least once every five years.*
 - (1) *If deemed appropriate by local health department and subject to conditions the local health department may set, local governments may offer to the owners of such system, as an alternative to the mandatory pump-out, the option of having a plastic filter installed and maintained in the outflow pipe from the septic tank to filter solid material from the effluent while sustaining adequate flow to the drainfield to permit normal use of the septic system. Such a filter should satisfy standards established in the Sewage Handling and Disposal regulations (12VAC5-610) administered by the Virginia Department of Health.*
 - (2) *Furthermore, in lieu of requiring proof of septic tank pump-out every five years, local governments may allow owners of on-site sewage treatment systems to submit documentation every five years, certified by a sewage handler permitted by the Virginia Department of Health, that the septic system has been inspected, is functioning properly, and the tank does not need to have the effluent pumped out of it.*

Information can be found by contacting county officials via the website at: www.lancova.com.

Found during the survey were no sewage treatment facilities, 10 on-site deficiencies, 12 properties marked as potential deficiencies, 3 industrial sites, 2 solid waste sites, 14 boating activity sites and 6 sites marked as animal pollution.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the White Stone office for review. Copies of current condemnation notices, maps and a spreadsheet showing corrected deficiencies are available via the internet at www.vdh.virginia.gov/shellfish/.

The report lists only those properties that have a sanitary deficiency or may have other environmental significance. ***DIRECT*** indicates that the significant activity or deficiency may have a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

-None-

ON-SITE DEFICIENCIES

6. NO FACILITIES – Location: On Queenstown Road, Lancaster, 22503. Dwelling – campsite. No contact. Found on-site was a RV-Dutchmen model with power pole on-site. The unit is hooked to a tote-a-long. A port-a-john is on-site however there is no permanent septic facility on-site. Sanitary notice was issued on 9/30/13 to field # 180. Tax Map 26-101A.

8. CONTRIBUTES POLLUTION – Location: 213 Cow Shed Road, Lancaster 22503. Dwelling – 1 story, cream-colored with brown shutters and brown trim. No contact. Puroflo system is malfunctioning and is flooding lawn and adjacent gravel lane with effluent. Sanitary notice was issued on 10/02/13 to field # 234. Tax Map 26-115E.
23. NO FACILITIES – Location: Across the street from 138 Green Road, Lancaster 22503. Dwelling – campsite. No contact. Found on-site was a RV-Northtrail model with power pole on-site. RV does not have a current inspection sticker which is needed for highway activity. Per the Lancaster County Health Department, a permit was issued on 11/13/13 for a septic system. Sanitary notice was issued on 11/18/13 to field # 867. Tax Map 14-111.
27. CONTRIBUTES POLLUTION – Location: 3378 Merry Point Road, Lancaster 22503. Dwelling – 1 story, white with red shutters. No contact. Found on-site was pooling water on the ground surface over the septic tank area. Sanitary notice was issued on 12/12/13 to field # 1087. Tax Map 21-55B.
29. CONTRIBUTES POLLUTION (Kitchen or Laundry) – Location: 765 Tomlin Trace, Lancaster 22503. Dwelling – 1 story, white with metal roof. No contact. Found on-site was a washing machine located on the back porch with a drain to the ground surface. Sanitary notice was issued on 1/15/14 to field # 1306. Tax Map 22-36.
40. CONTRIBUTES POLLUTION (Kitchen or Laundry) – Location: 2505 Black Stump Road, Weems 22576. Dwelling – 2 stories, white asbestos shingles with metal roof. Concrete lid is broken on what appears to a grease trap. Sanitary notice was issued on 2/27/14 to field # 1823. Tax Map 27-70.
42. CONTRIBUTES POLLUTION – Location: 303 Berkley Forest Road, Weems 22576. Dwelling – 2 stories, brick with 1 story addition and attached garage with brown shingles and white shutters. No contact. The cap on the cleanout port is missing. The port is covered with a clear plastic bowl. Sanitary notice was issued on 3/19/14 to field # 1963. Tax Map 26B-1-16.
43. **DIRECT** – CONTRIBUTES POLLUTION – Location: 767 Taylors Creek Road, Weems 22576. Dwelling - 1 story, white with black shingles. Following a complaint, this was previously found by local health authorities to be a discharge from the washing machine to a ditch. The owner (now deceased) signed a form for the health department stating he would not rent the property until the deficiency was corrected. Although there were no signs or evidence of discharge at the time of the survey, there is no written record that the deficiency has been corrected. This property is being monitored.
46. CONTRIBUTES POLLUTION – Location: 160 Havenwood Lane, Weems 22576. Dwelling – 1 story, brown with brown shingles. 2 persons. Found on-site was effluent on ground surface over the septic tank area. Sanitary notice was issued on 4/3/14 to field # 2183. Tax Map 27-119I.
47. CONTRIBUTES POLLUTION (Kitchen or Laundry) – Location: 172 Benson Road, Weems 22576. Dwelling – 1 story, yellow with partial brick and light gray shingles. 3 persons. Found on-site was a black corrugated pipe that discharges into the ditch. This appears to be a gray water discharge pipe. Sanitary notice was issued on 4/3/14 to field # 2188. Tax Map 27-119A.

POTENTIAL POLLUTION

1. Location: On Creekwater Drive, Lancaster 22503. Possible campsite. No contact. Lot has been cleared, but is overgrown. Found on-site was an RV and power pole. Appears that an Easy Flo system has been installed, however the county health department does not have a record of inspection on the unit.
9. Location: 677 Lovers Lane, Lancaster 22503. Dwelling – cottage-style shed, beige/white with blue shutters, with living quarters. No contact. Plans for a septic system on this property have been drawn and are in a file at the county health department, however, there are no other records indicating the system has been installed or inspected. This shed is currently hooked to an on-site septic system.
13. Location: 196 Oak Hill Road, Lancaster 22503. Dwelling – 1 story, white with light gray shingles and green shutters. 2 persons. Owner states she had the system pumped in June. Due to recent heavy rain, the area is flooded with rainwater. Soil over system is soft, however the owner states she is not having any problems.
16. Location: 1162 Lowery Creek Road, Lancaster 22503. Dwelling – 1 ½ stories, yellow asbestos siding with gray shingles and basement. No contact. On-site is an unattached 1 story, garage, white with gray shingles. A pipe of unknown origin exits window of garage. No signs of discharge.
18. Location: 204 Fox Lane, Lancaster 22503. Dwelling – 1 story, beige with gray shingles and brown trim. No contact. Found in rear of workshop, adjacent to down slope to watershed, was a sink with an open white PVC discharge pipe. Currently, there is no water supply connected to the sink.
19. Location: 99 Evergreen Drive, Lancaster 22503. Dwelling – 1 story, yellow with blue-green shutters and brown shingles with an unattached garage. No contact. A black hose which runs from the house exits the ground at the garage. No signs of discharge.
20. Location: 156 Forest Lane, Lancaster, 22503. Dwelling – 2 stories, gray with white trim and black/brown shingles. No contact. Found on-site was an outside shower with a floor drain. Origin of discharge is unknown. No evidence of discharge at time of survey.
22. Location: 43 Lively Oak Road, Lancaster 22503. Dwelling – large cream-colored cinderblock with green trim which houses a glass etching business. 20 persons. Occupant stated during heavy precipitation they have experienced problems with the toilets flushing slowly. There were no problems found at the time of survey.
35. Location: 700 Black Stump Road, Weems 22576. Dwelling – RV –Hornet with an addition added to the RV unit. No contact. The sewer line hose is a temporary connection to the septic system but is being used for long-term connection. The hose is showing discoloration and wear. No signs of malfunction at time of survey.
37. Location: 528 Rio Vista, Weems 22576. Dwelling – 2 stories, yellow with light gray shingles. No contact. Found on-site was an outside shower with drain. Origin of discharge is unknown. No evidence of discharge at time of survey.
39. Location: 4661 Black Stump Road, Weems 22576. Dwelling – 1 story, live-colored with metal roof. No contact. Found on-site was an outdoor kitchen. Discharge from sink is unknown. No evidence of discharge at time of survey.

41. Location: 583 Moran Creek Road, Weems 22576. Dwelling – 1 story, green with dark gray shingles and white shutters. No contact. Found on-site was a small house with an opening located in the foundation. This area is filled with insulation and is covered by wire. The opening is adjacent to what appears to be a dryer vent. No evidence of discharge at time of survey.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTE SITES

2. ***DIRECT*** – Location: 60 Wood Road, Lancaster 22503. Seafood processing plant. 2 persons. Facility holds permit # VAG524013 from DEQ to discharge plant wash down wastes into Whitehouse Creek. Permit expires on 07/23/2016.
24. Location: 6088 Mary Ball Road, Lancaster 22503. R.L. Self Timber, Inc. 5 persons. Found on-site was 1 x 1000 gallon diesel and 1 x 500 gallon diesel fuel tanks without berm.
45. Location: 376 Indiantown Road, Weems 22576. Dwelling – small one story, white. No contact. Found on-site was a small airplane and a large fuel tank without berm. Quantity of fuel on-site is unknown.

SOLID WASTE SITES

36. Location: Ravine adjacent to 1170 Black Stump Road, Weems 22576. No contact. The ravine is being used as a personal dumpsite. Found on-site were bags of trash, tires and other items discarded in the ravine.
44. Location: Corner of Taylors Creek and Lumberlost Roads, Weems 22576. No contact. Found dumped on-site were tires, yard debris and trash.

SECTION D: BOATING ACTIVITY

MARINAS

15. Yankee Point Sailboat Marina, 1303 Oak Hill Road, Lancaster 22503. Commercial marina. Contact made with Ken Knull, owner. Available on-site are 103 seasonal slips/moorings, 180 dry storage spaces, fuel, ramp, electricity, water, boat repair, solid waste containers, restroom facilities, dump station and a sewage holding tank pumpout facility. Also available on-site is the Windows on the Water lounge, bathhouses, rental cottages, snack bar, pool and laundry services.
17. Heritage Point HOA Marina, adjacent to 1483 and 1383 Belmont Drive, Lancaster 22503. No contact. Available on-site are 20 seasonal slips/moorings, ramp, electricity, water, solid waste containers, restroom facilities at club/pool house/residences and a dump station.

OTHER PLACES WHERE BOATS ARE MOORED

3. Watsons Landing Pier, end of River Road, Lancaster 22503. Private dock. No contact. Available on-site are 14 seasonal slips/moorings.

5. Location: 353 Callis Road, Lancaster 22503. Seafood processing plant – closed. No contact. Available on-site are 10 seasonal slips/moorings, electricity, water, and restrooms (vault privy). NOTE: Facility holds permit #VAG524017 from DEQ 7/22/2016. Permit expires on 7/22/2016. At time of survey, the facility was inactive per Dave Geeson, DSS Field Director.
7. Location: 507 Cowshed Road, Lancaster 22503. Private dock. No contact. Available on-site are 14 seasonal slips/moorings, 4 dry storage spaces, ramp, electricity and water.
21. Corrotoman By The Bay POA, adjacent to 272 Dock Road, Lancaster 22503. No contact. Available on-site are 12 assigned seasonal slips/moorings, ramp, restrooms at club/pool house/residences.
25. Western Branch Preserve LLC, adjacent to 680 Preserve Drive, Lancaster, 22503. Contact made with a home owner. This development has a canoe dock, shared piers (two houses share one pier) and three common area piers that allow residents a combined total of 44 mooring spaces. Included in this total and available on-site at the central common area pier are 8 seasonal slips/moorings, water and restrooms at the residences.
31. Laurel Point POA, adjacent to 156 Heron Lane, Lancaster 22503. Contact made with Frank Martin, President. Available on-site are 8 seasonal slips/moorings, ≤ 15 dry storage spaces located by the office/dumpsite area, ramp, water, solid waste containers and restrooms located at residents homes.
38. Location: 552 Rio Vista, Weems 22576. No contact. Private dock for Condo owners. Available on-site 4 seasonal slips/moorings, 2 small slips for the canoe/kayak launch site, electricity, water and restrooms at the resident's condos.

UNDER SURVEILLANCE

4. Whitehouse Creek HOA, Inc., corner of Bermuda Road and Patterson Lane, Lancaster 22503. No contact. Available on-site is a dirt/stone ramp with a loading/unloading dock and a small commons area.
14. Yankee Point Racing and Cruising Club, 734 Oak Hill Road, Lancaster 22503. No contact. Available on-site are 9 transient slips/moorings, solid waste containers and restroom facilities at the clubhouse.
30. Eagle Landing HOA, Inc., 299 Bald Eagle Drive, Lancaster 22503. No contact. Available on-site is a loading/unloading dock, (dry storage area located on the left entering Eagles Trace), concrete ramp and restrooms at the clubhouse and residences.
32. Riverwood POA, "Landing", adjacent to 142 Bayberry Lane. No contact. Available on-site are 3 seasonal slips/moorings, concrete ramp and restrooms at the residences.
34. Quarters Cove, King Fisher Circle, Weems 22576. No contact. Available on-site are 2 seasonal slips/moorings, concrete ramp and restrooms at the residences.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

10. Location: 583 Slabtown Road, Lancaster 22503. Dwelling – 2 stories, wood siding with brown shingles. 2 persons. Found on-site were 30 chickens. Manure is composted then worked onto vegetable gardens.
11. Location: 762 Ottoman Ferry Road, Lancaster 22503. Dwelling – red barn with living quarters above. Contact was made with a field hand. Found on-site were bison, chickens, goats, ducks, horses, ostriches, and quail. Manure disposal is unknown.
12. Location: 122 Levelgreen Road, Lancaster 22503. Private hunting club. Dwelling – 1 story, tan with gray shingles and green shutters. Contact made with the club's treasurer. Found on-site were 28 hunting dogs. There are two septic systems at this location. A mound system serves the club house. The traditional system serves the dog pound. Some manure from the pound is composted and spread on fields.
26. Location: 725 Brown's Lane, Lancaster 22503. Dwelling – 1 ½ stories, pink/white with dark gray shingles. 2 persons. Found on-site were 15 horses. Manure is worked into fields.
28. Location: 124 West Point Road, Lancaster 22503. Dwelling – 2 stories, brick with black shutters (Historic Plantation on National Register). No contact. Found on-site were 15 sheep (visible). More sheep could be heard in a nearby barn. Manure was on ground surface. Property is well-maintained.
33. Location: 11704 Mary Ball Road, Lancaster 22503. Dwelling – 1 ½ stories, tan with brown shingles. No contact. Found on-site were three horses, 2 sheep and \geq 25 fowl. Manure was on ground surface.

SUMMARY

Growing Area # 021
Corrotoman River
21 May 2014

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.

- 1 – CONTRIBUTES POLLUTION, DIRECT – # 43
- 4 – CONTRIBUTES POLLUTION, INDIRECT – # 8, 27, 42, 46
- 1 – CP – (Kitchen or Laundry Wastes), DIRECT – # 47
- 2 – CP – (Kitchen or Laundry Wastes), INDIRECT – # 29, 40
- 0 – NO FACILITIES, DIRECT – None
- 2 – NO FACILITIES, INDIRECT – # 6, 23
- 10 – B.2. TOTAL

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

- 12 – POTENTIAL POLLUTION – # 1, 9, 13, 16, 18, 19, 20, 22, 35, 37, 39, 41

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT – # 2
- 2 – INDIRECT – # 24, 45
- 3 – C.1. TOTAL

2. SOLID WASTE SITES

- 0 – DIRECT – None
- 2 – INDIRECT – # 36, 44
- 2 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 2 – MARINA – # 15, 17
- 7 – OTHER PLACES WHERE BOATS ARE MOORED - # 3, 5, 7, 21, 25, 31, 38
- 5 – UNDER SURVEILLANCE - # 4, 14, 30, 32, 34
- 14 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 0 – DIRECT – None
- 6 – INDIRECT – # 10, 11, 12, 26, 28, 33
- 6 – E. TOTAL

76°32'30"W

76°30'0"W

76°27'30"W

76°25'0"W

Virginia Department of Health Division of Shellfish Sanitation

Corrotoman River # 021 Shoreline Sanitary Survey

Lancaster County

Date: 21 May 2014
Survey By: D.R. Beuchelt
Number of Properties Surveyed: 2278



37°45'0"N

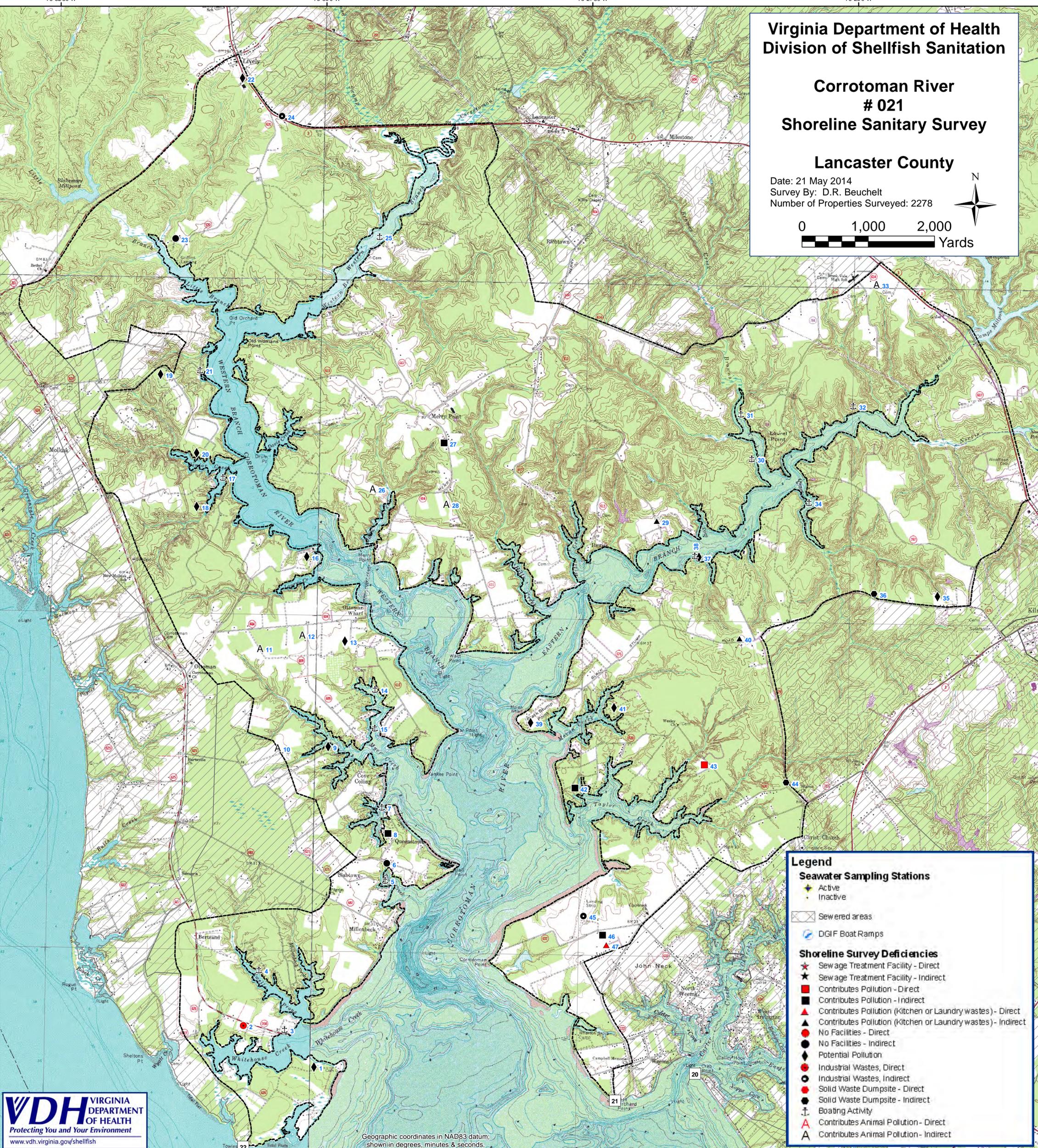
37°42'30"N

37°40'0"N

37°45'0"N

37°42'30"N

37°40'0"N



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

Legend

Seawater Sampling Stations

- Active (Blue diamond)
- Inactive (Black dot)

Other Symbols

- Sewered areas (Hatched pattern)
- DGIF Boat Ramps (Blue symbol)

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct (Red star)
- Sewage Treatment Facility - Indirect (Black star)
- Contributes Pollution - Direct (Red square)
- Contributes Pollution - Indirect (Black square)
- Contributes Pollution (Kitchen or Laundry wastes) - Direct (Red triangle)
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect (Black triangle)
- No Facilities - Direct (Red circle)
- No Facilities - Indirect (Black circle)
- Potential Pollution (Black diamond)
- Industrial Wastes, Direct (Red circle with dot)
- Industrial Wastes, Indirect (Black circle with dot)
- Solid Waste Dumpsite - Direct (Red circle with cross)
- Solid Waste Dumpsite - Indirect (Black circle with cross)
- Boating Activity (Black cross)
- Contributes Animal Pollution - Direct (Red triangle with dot)
- Contributes Animal Pollution - Indirect (Black triangle with dot)

76°32'30"W

76°30'0"W

76°27'30"W

76°25'0"W