



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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NORTH RIVER **Growing Area # 042** **Gloucester and Mathews County** **Shoreline Sanitary Survey**

Date: 13 December 2012

Survey Period: August 28 – November 14, 2012

Total Number of Properties Surveyed: 893

Surveyed By: D.R. Beuchelt

SECTION A: GENERAL

This survey area extends from Reference Point 42 beginning at Minter Point to Reference Point 43 at Ware Neck Point, including the shoreline of the North River, Godsey Creek, Diggs Creek, Cakes Creek, Smith Lot Creek, Sibley Creek, Raymond Creek, Blackwater Creek (Oakland Creek, Greenmansion Cove and Hampton Creek), North End Branch, Burke Mill Stream, Toddsbury Creek, Elmington Creek, Back Creek, Belleville Creek, Davis Creek, Silver Creek and all of their tributaries within a boundary line set by the Division of Shellfish Sanitation. The topography of the area begins at the shoreline to a maximum of 20 feet at the outer edge of the survey boundary.

The area in some locations is sparsely populated with some dwellings only seasonally occupied. According to U.S. Census figures, Gloucester County showed a 6.0% increase in population with a count of 36,858 and Mathews County showed a 2.5% decrease with a count of 8,978 for the 2010 census. The economy is based mainly on agriculture, forestry and the seafood industry.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms, the most recent being Hurricane Sandy during October 28 to 30, 2012, that dropped 7.02 inches of rain producing flooding in the area. Meteorological data indicated that 10.90" of rain fell during the survey period. A monthly breakdown is as follows:

August 28-31 0.00" September 2.21" October 8.39" November 1-14 0.30"

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.*

Since the 2005 Shoreline Survey, pump stations and a force main has been installed. Per the Hampton Roads Sanitation District, approximately 100,000 linear feet of 6" high transmission force main and pump stations convey wastewater from the Mathews Sanitary District to the Gloucester Interceptor Force Main via Route 14. At the time of the survey, there were no facilities found that had connected to the force main.

Information can be found by contacting county officials via the website at:
www.co.gloucester.va.us

Found during the survey were 0 sewage treatment facilities, 2 on-site deficiencies, 7 properties marked as potential deficiencies, 1 industrial site, 0 solid waste sites, 7 boating activity sites and 16 sites marked as animal pollution.

Copies for Bacteriological, Hydrographic and Shellfish Closure data are available at the White Stone office for review. Copies of the current condemnation notices and maps 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

13. CONTRIBUTES POLLUTION – Location: 5211 North River Road, North 23128. Dwelling – 1 story, gray with gray shingles and dark gray shutters. 2 people. Fiberglass lid on the septic tank is cracked. The owner stated he hit the lid the previous day with

his mower. Due to the fact the septic contractor replaced the lid that day, a sanitary notice was not issued. Issue corrected 9/11/12.

17. CONTRIBUTES POLLUTION – Location: 144 Bayshore Avenue, North 23128. Dwelling – 1 story, elevated, white with green metal roof. No Contact. Lid on septic tank is cracked with a piece missing. Sanitary Notice issued on 9/17/12 to Field # 275. Tax Map # 24A 1 2 6. Per Mathews County Health Department, issue was corrected before survey was published by repairing the broken lid.

POTENTIAL POLLUTION

2. Location: 5592 East River Road, North 23128. Dwelling – 1 story, cream-colored with light brown shingles and red shutters. 2 people. Owner states that during heavy precipitation, the septic system works slowly. No signs of malfunction at time of survey.
4. Location: 636 North River Road, North 23128. Dwelling – 1 story, white with awnings, gray shingles and green shutters. No contact. Black corrugated pipe, ~1 ½” exits house and connects to a 2” white PVC pipe. Origin unknown. No signs of discharge at time of survey.
10. Location: Adjacent to 3719 North River Road. Dwelling - empty lot, new development. No contact. This lot appears to be part of the farm that has been subdivided and sold. The lot has been cleared and has an RV stored onsite and a picnic table located near the watershed. There were no signs of discharge from the RV evident at time of survey.
18. Location: 61 Allview Street, North 23128. Dwelling – 1 story cinderblock, white with gray shingles and light blue shutters. Storm damaged. No contact. White 2” PVC pipe exits the house and is open to ground surface. Origin unknown. No signs of discharge at time of survey. Property will be monitored by the Mathews County Health Department.
19. Location: 1119 Daniel Avenue, North 23128. Dwelling – 1 story, beige with gray shingles. No contact. White 2” PVC pipe runs from foundation to wooded area. Origin unknown. No signs of discharge at time of survey.
26. Location: 8333 Toddsbury Lane, Gloucester 23061. Dwelling – 2 ½ stories, white with black shingles. No contact. Washing machine found in yard. Status unknown. No signs of use or evidence of discharge at time of survey.
33. Location: 9827 Wakaigan Lane, Gloucester 23061. Dwelling -1 ½ stories, log cabin with black shingles. No contact. Area over drainfield is soft and has tall grass. No signs of odor or effluent at time of survey.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTE SITES

15. Location: 13852 John Clayton Memorial Highway, North 23128. Food mart. Contact made with Manager. Found on-site were two fuel tanks, non-ethanol and off-road diesel, 500 gallons each, without berms.

SOLID WASTE SITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

12. Mobjack Bay Marina, 454 Marina Road, North 23128. Commercial marina. Available on-site are 99 seasonal slips/moorings, 23 dry storage spaces, fuel (1000 gallon diesel and 500 gallon gasoline, above ground, double-wall tanks, with monitoring devices), ramp, electricity, water, boat repair, solid waste containers, restroom facilities, dump station (sign needs to be replaced) and a sewage holding tank pump-out facility.

OTHER PLACES WHERE BOATS ARE MOORED

16. Mobjack Estates, adjacent to 62 River Road, North 23128. Available on-site were 13 seasonal slips/moorings and a concrete ramp. Restroom facilities are at residents homes.
21. North River Subdivision, end of Sanders Landing Road, North 23168. Community boat ramp and dock. Available on-site are 6 seasonal slips/moorings and a ramp. Restroom facilities are at residents homes.
31. Anchorage Homeowners Association. Located on left side of Anchorage Lane. Available on-site are 8 seasonal slips/moorings and a concrete ramp. Restroom facilities are at residents homes.

UNDER SURVEILLANCE

11. Lombardi Yachts, 455 Marina Road, North 23128. At time of survey the facility was closed and there were no services on-site.
14. Blackwater Creek Subdivision community pier. Adjacent to 337 Milton Jones Lane. Available on-site is a loading/unloading dock to temporarily moor 4 small boats. Restroom facilities are at residents homes.
32. Location: Adjacent to 6704 Northwind Lane, Gloucester 23061. Private dock. Available on-site are 6 seasonal slips/moorings, electricity and water.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1. Location: 121 Enterprise Lane, North 23128. Dwelling – 1 ½ stories, cream-colored with brown shingles and green shutters. 2 people. Present at the time of the survey were 9 goats. Manure is worked into the pasture.
3. Location: 395 North River Road, North 23128. Dwelling – 2 stories, white with red metal roof and black shutters. 2 people. Found on-site were 50 cows and ~25 resident Canadian Geese. Manure is worked into fields and some is given to neighbors for their gardens. The pasture drains into a pond located on the farm.
5. Location: 159 Juniper Cove Lane, Foster 23056. Dwelling – 2 stories, white with metal roof. No contact. Found on-site were 5 horses and chickens (quantity unknown). Manure was left on ground surface.

6. Location: 528 and 591 Cedar Point Lane, North 23128. Dwelling – 2 stories, brick with red shutters and cream-colored trim. No contact. Found were stables, type and quantity of livestock is unknown, however, last survey found 14 horses on-site. Manure disposal is unknown. Property is well maintained.
7. Location: 2437 North River Road, North 23128. Dwelling – 2 stories, white. No contact. Found on-site were ~9 cows and ~15 chickens. Manure was left on pasture.
8. **DIRECT** – Location: 2937 North River Road, Cardinal 23025. Dwelling – 1 ½ stories, tan with gray shingles. No contact. Found on-site were 5 horses. Pasture slopes and appears to be ~30 feet from stream. Fence runs parallel to the stream. Manure disposal is unknown.
9. Location: 3719 North River Road, North 23128. Dwelling – 2 stories, white with columns and black shutters. No contact. Found on-site were 4 cows, 6 goats, ~40 turkeys. Manure disposal is unknown. Farm is under new ownership and has been subdivided. Most of the former pastures are in crops.
20. Location: 1599 Chapel Neck, North 23128. Dwelling – 2 ½ stories, brick with white trim and gray clay shingled roof. No contact. Found on-site were 4 horses and 4 goats. Manure disposal is unknown.
22. Location: 1052 Elm Grove Lane, North 23128. Dwelling – 2 stories, yellow with green shingle/metal roof. No contact. Found on-site were 6 horses. Manure was left on pasture.
23. **DIRECT** – Location: 985 Kingston Lane, North 23128. Dwelling – 2 stories, brick. No contact. Found on-site were two ponies roaming freely in the marsh/tributary area. Manure disposal unknown.
24. Location: 8565 Waverley Lane, Gloucester 23061. Dwelling – brick with cream-colored trim. 4 people. Found on-site were 10 horses. Manure is worked into the pasture. Property is well maintained.
25. Location: 8715 Waverley Lane, Gloucester 23061. Dwelling – 1 ½ stories, white with brown shingles. 2 people. Found on-site were 6 miniature horses. (Three more were at a neighbor's house at the time of the survey.) Manure is worked into pasture.
27. Location: Left on Exchange Road, Gloucester 23061. Dwelling – small red building. No contact. Found on-site were dog kennels, 16 dogs visible. Total number of dogs and manure disposal is unknown.
28. Location: 9079 Ditchley Drive, Gloucester 23061. Dwelling – 1 story, cream-colored with brown shingles. 3 people. Found on-site were 4 horses and 5 chickens. Manure is given to neighbors for their gardens.
29. Location: 7281 Oak Hall Road, Ware Neck 23178. Dwelling – 2 ½ stories, yellow with green shutters. 2 people. Found on-site were 22 cows, 2 horses, 12 chickens and 2 ducks. Manure is composted and worked into fields.
30. Location: 9663 Anchorage Lane, Ware Neck 23178. Dwelling – 2 stories, brown siding. 2 people. Found on-site were 9 horses and 2 ducks. Manure is composted, worked into fields or given to neighbors for their gardens.

SUMMARY

Area # 042
North River
13 December 2012

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.

- 0 – CONTRIBUTES POLLUTION, DIRECT – None
- 2 – CONTRIBUTES POLLUTION, INDIRECT – # 13, 17
- 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
- 2 – B.2. TOTAL

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

- 7 – POTENTIAL POLLUTION - # 2, 4, 10, 18, 19, 26, 33

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 0 – DIRECT – None
- 1 – INDIRECT – # 15
- 1 – C.1. TOTAL

2. SOLID WASTE SITES

- 0 – DIRECT – None
- 0 – INDIRECT – None
- 0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 1 – MARINA – # 12
- 3 – OTHER PLACES WHERE BOATS ARE MOORED – # 16, 21, 31
- 3 – UNDER SURVEILLANCE – # 11, 14, 32
- 7 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

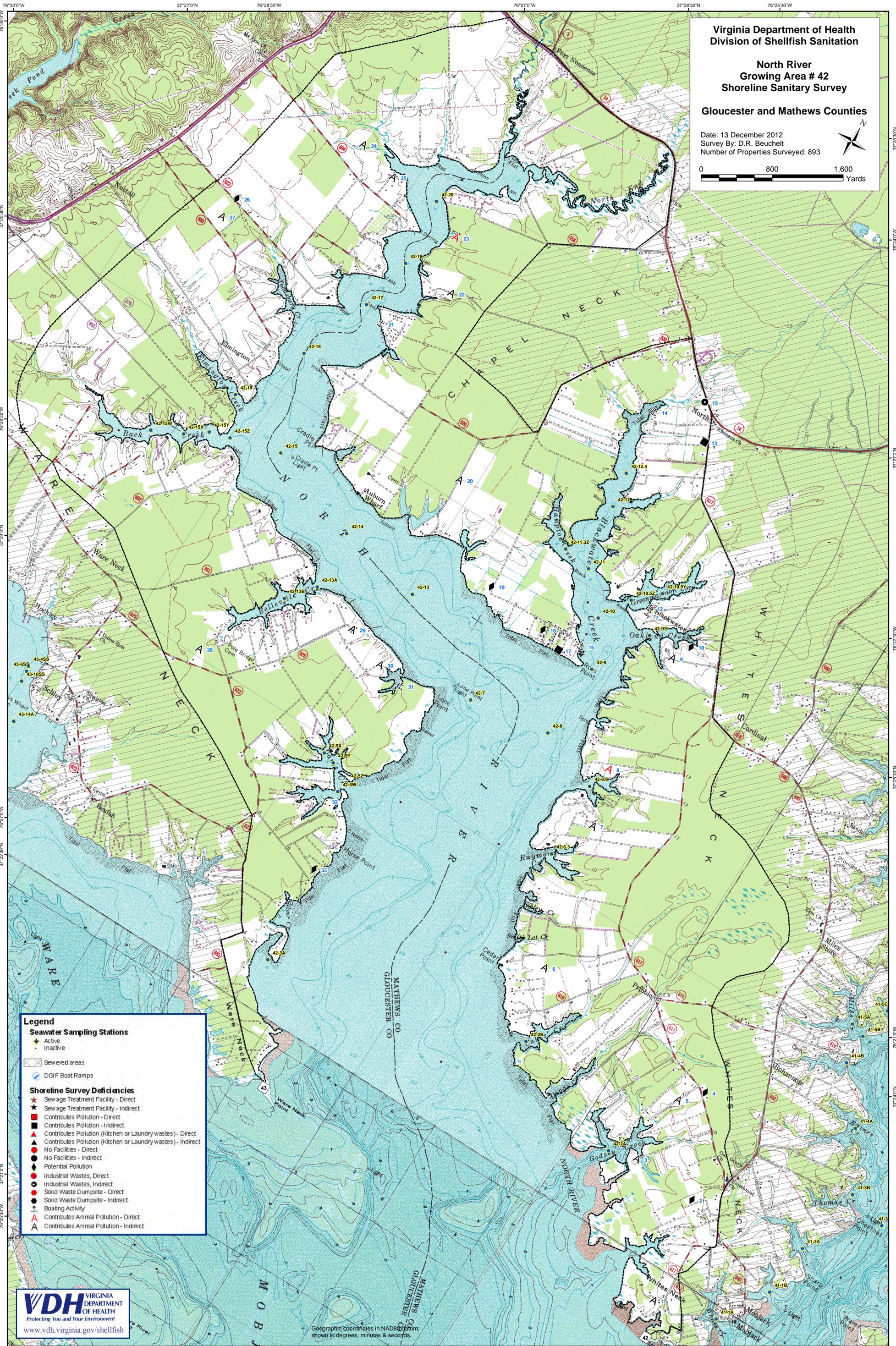
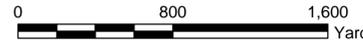
- 2 – DIRECT – # 8, 23
- 14 – INDIRECT – # 1, 3, 5, 6, 7, 9, 20, 22, 24, 25, 27, 28, 29, 30
- 16 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

North River
Growing Area # 42
Shoreline Sanitary Survey

Gloucester and Mathews Counties

Date: 13 December 2012
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Number of Properties Surveyed: 893



Legend

Seawater Sampling Stations

- Active
- Inactive

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
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect



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