



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
109 Governor Street, Room 614-B
Richmond, VA 23219

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

GREAT WICOMICO RIVER Growing Area # 013 Northumberland County Shoreline Sanitary Survey

Date: 11 July 2013

Survey Period: November 14, 2012 - June 4, 2013

Total Number of Properties Surveyed: 2059

Surveyed By: D.R. Beuchelt

Section A: GENERAL

This survey area extends from Reference Point 13 beginning at Cockrell Point to Reference Point 14 which ends at the end of State Route 609 extended to Ingram Bay, including the shoreline between these two points, Great Wicomico River [Reason Creek, Whays Creek, Warehouse Creek, Horn Harbor, Coles Creek, Betts Mill Creek, Blackwells Creek, Crabbe Mill Stream, Bush Mill Stream (Head River Branch), Knight Run, Balls Creek, Tipers Creek, Barrett Creek, Penny Creek, Gougher Creek, Shell Creek], Cranes Creek (Bailey Prong), and all of their tributaries within a boundary line set by the Division of Shellfish Sanitation.

The topography of the area surveyed begins at the shoreline of the Great Wicomico River and reaches a maximum of 113 feet at the highest elevation at the outer western edge of the survey boundary line. According to U.S. Census figures, Northumberland County showed a 0.6% increase in population with a count of 12,330 for the 2010 census. The economy is based on office and administrative support, construction, recreation, agriculture and the seafood industry. There are several subdivisions, one with townhouses, and three camp grounds located on the Great Wicomico River.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms, the most recent being Hurricane Sandy during October 28-30, 2012, that dropped 8.86" of rain producing flooding in the area. Meteorological data indicated that 22.55" of rain fell during this survey. A monthly breakdown is as follows:

November 14-30, 2012	0.43"	December	3.51"	January 2013	4.22"	February	2.43"
March	4.77"	April	3.52"	May	3.12"	June 1-4	0.55"

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.co.northumberland.va.us.

Found during the survey were 2 sewage treatment facilities (both of which are located outside of the boundary line but discharge to a tributary on the Great Wicomico River), 22 on-site deficiencies, 19 properties marked as potential deficiencies, 4 industrial sites, 3 solid waste sites, 25 boating activity sites and 5 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

76. ***DIRECT*** – Northumberland Middle School/High School wastewater treatment plant. Kenneth Eades, County Administrator, PO Box 129, Heathsville 22473. Design flow of 0.016 MGD. Treatment processing involves screening, flow equalization, pretreatment sludge hooding tank, anoxic tank, sequencing batch reactor, chlorination (tablet), post aeration and dechloration (tablet). Discharge is outfall # 001 to Crabbe Mill Stream. Sludge is stored in the 6,000 gallon sludge holding tank where it is anaerobically digested. Approximately once per year the sludge is pumped from the holding tank and transported to the Reedville Sanitary District for drying. Afterwards, it is disposed at the Middle Peninsula Landfill and Recycling center. A copy of the most recent DEQ report is filed with the field report. VPDES permit # VA0092061.

77. **DIRECT** – Old Northumberland High School wastewater treatment plant (now YMCA). Kenneth Eades, County Administrator, PO Box 129, Heathsville 22473. Design flow of 0.0080 MGD. Original plan capacity is 0.004 MGD. Treatment processing involves aerated stabilization lagoon (four aerators), pump station, dual compartment recirculating sandfilters, chlorination (tablet), dechlorination (tablet) and post aeration. Discharge is outfall # 001 to Crabbe Mill Stream. Waste sludge is held in the lagoon. A copy of the most recent DEQ report is filed with the field report. VPDES permit # VA0020877.

ON-SITE DEFICIENCIES

1. **DIRECT** – CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 182 Hammock Lane, Reedville 22539. Dwelling - 1 story, screened porch, connected to a shed. No contact. Found onsite was a black pipe from a sink inside the screened porch which drains to tidal waters. Sanitary notice was issued on 11/15/12 to Field # 29. Tax Map 38-A(1)-28.
2. NO FACILITIES – Location: 413 Blundon Road, Reedville 22539. Dwelling – 1 story, blue siding and black shingles. 1 person. There is no septic system (or treatment works) on-site. Occupant is currently using facilities at a neighbor's house. Sanitary notice was issued on 11/16/12 to Field # 47. Tax Map 38-A(1)-9.
3. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 1858 Waverly Road, Reedville 22539. Dwelling – 2 stories, white with green shutters and metal roof. No contact. Lid on the grease trap is broken. Sanitary notice was issued on 12/6/12 to Field # 134. Tax Map 37-(1)-97. *Per Northumberland County Health Department, issue was corrected before survey was published by repairing the broken lid.*
10. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 15622 Northumberland Highway, Burgess 22432. Dwelling – 1 ½ stories, white with black shingles. 4 persons. The washing machine is discharging onto the ground surface. Sanitary notice was issued on 12/20/12 to Field # 330. Tax Map 27-(1)-272.
22. CONTRIBUTES POLLUTION – Location: 2032 Jessie Dupont Memorial Highway, Burgess 22432. Dwelling – 1 ½ stories, white with brown shingles. 2 persons. Effluent is pooling onto ground surface. Sanitary notice was issued on 1/29/13 to Field # 617. Tax Map 36-A(1)-36.
23. CONTRIBUTES POLLUTION – Location: 183 Firehouse Road, Burgess 22432. No contact. Area in yard supports evidence that effluent has pooled onto the ground surface. Sanitary notice was issued on 1/28/13 to Field # 626. Tax Map 36-A(1)-30-A.
26. CONTRIBUTES POLLUTION – Location: Lot # 2, (25 Canyon Lane when occupied) Burgess 22432. Mobile home has been removed. Sewer line to septic tank is uncapped. Sanitary notice was issued on 2/4/13 to Field # 714. Tax Map 27-(1)-226.
28. CONTRIBUTES POLLUTION – Location: Lot # 6, (posted on house is 10410) Canyon Lane, Burgess 22432. Area in yard supports evidence that effluent has pooled onto the ground surface. Sanitary notice was issued on 2/4/13 to Field # 718. Tax Map 27-(1)-226.

34. CONTRIBUTES POLLUTION – Location: 12858 Northumberland Highway, Heathsville 22473. 4 persons. Effluent is pooling onto ground surface over the septic tank and
- CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Washing machine is discharging into woods to a ravine. Sanitary notice was issued on 2/19/13 to Field # 843. Tax Map 26-(1)-95.
36. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 11904 Northumberland Highway, Heathsville 22473. Dwelling – 1 story, gray with brown shingles. 1 person. Sink and washing machine found on porch, both discharge onto ground surface and
- NO FACILITIES – Occupant states there is no septic system (or treatment works) on-site. Sanitary notice was issued on 2/19/13 to Field # 850. Tax Map 26-(1)-86 and 86-A.
39. ***DIRECT*** – CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 454 Cedar Point Road, Heathsville 22473. Dwelling – older mobile home, repainted green, white and pink in color. Washing machine is located outside behind the mobile home and discharges to a ravine which runs to a stream. Sanitary notice was issued on 2/25/13 to Field # 930. Tax Map 26-(1)-64-A.
44. NO FACILITIES – Location: End of Deer Run Drive, Heathsville 22473. Dwelling – 1 story, green with brown trim. Appears property may be used for temporary living quarters. No contact. There was no septic system (or treatment works) found on-site. Sanitary notice was issued on 3/11/13 to Field # 1094. Tax Map 25-B(1)-57.
45. NO FACILITIES – Location: 54 Deer Run Drive, Heathsville 22473. Dwelling – 2 buildings, 12' x 30' and 12' x 12', both appear to be temporary living quarters. No contact. There was no septic system (or treatment works) found on-site. Sanitary notice was issued on 3/11/13 to Field # 1095. Tax Map 25-B(1)-53.
48. NO FACILITIES – Location: 1514 Knights Run Road, Heathsville 22473. Dwelling – older mobile home with light blue shutters. 2 persons. Privy on-site needs roof repair or needs to be replaced. Sanitary notice was issued on 3/19/13 to Field # 1200. Tax Map 34-(1)-71.
52. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 819 Sampsons Wharf Road, Heathsville 22473. Dwelling – 1 ½ stories, white with green and red metal roof. No contact. Grease trap is uncovered exposing contents. Sanitary notice was issued on 4/8/13 to Field # 1380. Tax Map 35-(1)-22.
53. NO FACILITIES – Location: 603 Locust Cove Road, Heathsville 22473. Dwelling – 2 ½ stories, white and beige with green shingles. 2 persons. There is a septic system on-site, however, the house is currently not hooked up to the system. Sanitary notice was issued on 4/9/13 to Field # 1380. Tax Map 35-B(1)-17.
59. CONTRIBUTES POLLUTION – Location: 713 Bogey Neck Road, Heathsville, 22473. Dwelling – mobile home, burnt orange and variegated in color with tan skirting. 3 persons. Effluent is pooling onto ground surface over the septic tank. Sanitary notice was issued on 4/23/13 to Field # 1605. Tax Map 43(1)-4-C.

63. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 551 Mila Road, Heathsville 22473. Dwelling – 2 ½ stories, white with metal roof. No contact. Unable to access. Visible is an area which appears to be a graywater discharge. Sanitary notice was issued on 5/29/13 to Field # 1705. Tax Map 43(1)-104.
69. **DIRECT** – CONTRIBUTES POLLUTION – Location: 2117 Sandy Point Road, Heathsville 22473. Dwelling – 2 stories, elevated on cinderblock foundation red with siding. No contact. Found during the 2005 survey was a 4" sewer pipe which discharged into a tidal pond connecting to the Great Wicomico River. There is no evidence that this pipe has been disconnected and
- DIRECT** – NO FACILITIES – There is no septic system (or treatment works) on-site to accommodate this property. Sanitary notice was issued on 5/19/13 to Field # 1899. Tax Map 44-A(1)-K9.

POTENTIAL POLLUTION

6. Location: 17242 Northumberland Highway, Burgess 22432. Sandpit. No contact. Found on-site was a small discharge of fish oil and two piles of fish meal.
7. Location: 16228 Northumberland Highway, Burgess 22432. Dwelling – 2 stories, cream-colored with white trim and red metal roof. No contact. Found on-site was a 1½ - 2" white PVC pipe which exits the house and is open to the ground surface. No signs of discharge at time of survey.
13. Location: 652 Blackwells Wharf Road, Burgess 22432. Dwelling - studio and workshop. No contact. Found on-site was a 2" white PVC pipe which exits the facility. No signs of discharge at time of survey.
14. Location: 652 Blackwells Wharf Road, Burgess 22432. Dwelling – cabin, 1 story. No contact. Found on-site was a 2" white PVC pipe which exits the facility. No signs of discharge at time of survey.
16. Location: 1895 Jessie Dupont Memorial Highway, Burgess 22432. Appears to be campsite # 17. No contact. A 2½ - 3" white PVC pipe exits the building. No signs of discharge at time of survey.
17. Location: 1895 Jessie Dupont Memorial Highway, Burgess 22432. Appears to be campsite # 6. No contact. A 2" white PVC pipe exits from under the RV. No signs of discharge at time of survey.
21. Location: 2094 Jessie Dupont Memorial Highway, Burgess 22432. Dwelling – 1½ stories, white with gray shingles. No contact. Pipe of unknown origin exits the foundation. No signs of discharge at time of survey.
25. Location: 9 Canyon Lane (Lot # 1), Burgess 22432. Dwelling – repainted, older model mobile home. 3 persons. Occupant states that a few years ago water pooled onto the ground surface and on occasion they have problems with wastewater backing up into the house. No signs of malfunction at time of survey.
27. Location: 42 Canyon Lane, Burgess 22432. Dwelling – older model mobile home. 1 person. Occupant's niece states that problems have occurred during heavy precipitation with wastewater backing up in the house. No signs of malfunction at time of survey.

29. Location: 254 Lampkintown Road, Burgess 22432. Dwelling – 1 story, white siding with front brick frame and brown shutters. 1 person. Owner states that during heavy precipitation problems have occurred with wastewater backing up in the shower and toilets. No signs of malfunction at time of survey.
32. Location: 14378 Northumberland Highway, Heathsville 22473. Dwelling – 1 story, brick with white siding. 4 persons. Found on-site was a black hose which exits the foundation. No signs of effluent or prior discharge at time of survey.
38. Location: 49 Driftwood Court, Heathsville 22473. Dwelling – 1 story with a 2 story addition, gray with white trim and gray shingles. No contact. Found on-site was a white, 1 inch, PVC pipe which extends out under the deck. Origin unknown. No signs of discharge at time of survey.
47. Location: 1389 Steamboat Lane, Heathsville 22473. Dwelling – 1 story, cream-color siding with brown shingles. 2 persons. Owner states that effluent has backed up and pooled around the septic tank on occasion. No signs of malfunction at time of survey.
58. Location: 553 Bogey Neck Road, Heathsville 22473. Dwelling – 1 story, white with light gray shingles and black shutters. No contact. Found on-site was a small RV, which appears to be used as storage, and located behind the RV is an old wringer type washing machine. Grass is over grown in area. No signs of discharge at time of survey.
60. Location: 1280 Bogey Neck Road, Heathsville 22473. Dwelling – mobile home, gray with black shutters and cinder block foundation. No contact. Bagged trash and other debris was scattered on lawn by shed.
61. Location: 572 Bogey Neck Road, Heathsville 22473. Dwelling – 1 ½ stories, white siding with metal roof. 3 persons. Found on-site was a RV which appeared to be used as temporary living quarters. The owner stated that no one lived there and that the unit was connected to her septic system, however, a connection could not be seen.
64. Location: 205 Madge Marsh Lane, Heathsville 22473. Empty lot (mobile home has been removed). Property owner claims the mobile home was hooked into the same septic system as her house. The remaining remnants of pipes that once served the mobile home do not pose a threat as a pollution contributor at this time.
72. Location: Adjacent to 254 Stilwater Drive., Wicomico Church 22579. Dwelling – 2 stories, wood siding. No contact. House was built in 1985, has not been completed and has never had water or sewer on-site.
74. Location: Adjacent to 2867 Remo Road, Wicomico Church 22579. Dwelling – RV-Prowler travel trailer, white with orange stripe. No contact. Sewer port on the RV is duct taped (cap is missing). No signs of discharge at time of survey.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTE SITES

8. Location: 1807 Brickyard Road, Burgess 22432. Lumberyard. Found onsite were two fuel tanks; a 1000 gallon unleaded gasoline tank and a 1000 gallon diesel tank, both without berms.

9. Location: 1006 Brickyard Road, Reedville 22539. Fuel oil distributor. 3 persons. Found on-site were eleven fuel tanks; one 20000, # 2 unleaded gasoline, one 10000 # 2 fuel oil, one 10000 empty tanks, one 500 gallon diesel, one 500 unleaded gasoline, all without berms, one 1000 gallon highway diesel and one 1000 gallon gasoline, both within a berm.
30. Location: 14758 Northumberland Highway, Burgess 22432. Farmers Service of Burgess. 6 persons. Found on-site where two 10,000 gallon tanks of liquid nitrogen, both without berms.
55. Location: 174 Brandon Lane, Heathsville 22473. Sound Structures. No contact. Found on-site was a 550 gallon gasoline tank, a 1000 gallon gasoline tank and a 175 gallon waste oil tank, all without berms.

SOLID WASTE SITES

11. Location: Adjacent to 669 Jessie Dupont Memorial Highway, Burgess 22432. No contact. Storage area for junked vehicles. Old mobile home on-site.
24. ***DIRECT*** – Location: On Lampkintown Road, Burgess 22432. Property owner unknown. Household garbage, etc., is being dumped into a ravine which drains directly to a stream of the Great Wicomico River.
40. Location: 452 Cedar Point Road, Heathsville 22473. Dwelling – older home which recently burnt. No contact. Debris is scattered over property.

SECTION D: BOATING ACTIVITY

MARINAS

12. Great Wicomico Marina, 470 Horn Harbor Road, Burgess 22432. Commercial marina. Available on-site are 32 seasonal slips/moorings, approximately 50 dry storage spaces, fuel (3000 gallon gasoline, above ground without berm), ramp, electricity, water, solid waste containers, restroom facilities, dump station (sign needs to be replaced) and a sewage holding tank pump-out facility. Also located on-site is a marina and campground.
15. Glebe Point Campground, 1895 Jessie Dupont Memorial Highway, Burgess 22432. Campground marina. Available on-site are 18 seasonal slips/moorings, 23 dry storage spaces, ramp, electricity, water, solid waste containers, restroom facilities, dump station (sign needs to be replaced).
19. Tiffany Yacht Co., Inc., 2355 Jessie Dupont Memorial Highway, Burgess 22432. Available on-site are 14 seasonal slips/moorings, fuel (underground tanks), electricity, water, boat repair, solid waste containers, restroom facilities, dump station and a sewage holding tank pump-out facility.
20. Ran Bec LLC, 2545 Jessie Dupont Memorial Highway, Burgess 22432. Available on-site are 15 seasonal slips/moorings, approximately 11 dry storage spaces, electricity, water, repair, solid waste containers and a restroom. This facility is now a part of Tiffany Yacht Co., Inc.

- 37. River Bend Estates, adjacent to 818 Riverview Drive, Heathsville, 22473. Available on-site are 11 slips/moorings, 13 dry storage spaces, ramp, electricity, water, restroom, and a dump station (at privy).
- 49. Mallard Bay POA, 803 Mallard Bay Drive, Heathsville 22473. Available on-site are 18 slips/moorings, ramp, electricity, water, solid waste containers and restroom facilities (at clubhouse).
- 65. Lee Dale Shores POA, across from 630 Lee Dale Drive, Heathsville 22473. Available on-site are 8 seasonal slips/moorings, electricity, water, restroom facilities at residents homes.

OTHER PLACES WHERE BOATS ARE MOORED

- 5. Inland Harbour HOA, end of Captain's Way. Available on-site are 10 seasonal slips/moorings, 5 dry storage spaces, electricity, water and restrooms at the townhouse units.
- 18. E.D. Cockrell, 83 Golf Lane, Burgess 22437. Available on-site are 9 seasonal slips/moorings, ramp, electricity, water, solid waste containers and restroom facilities.
- 46. Betz Landing HOA, adjacent to 865 Steamboat Lane, Heathsville 22473. Available on-site are 7 seasonal slips/moorings and 20 dry spaces (located on Buoy Drive), ramp, solid waste containers, restrooms and a dump station.
- 73. A. C. Fisher, Jr. 106 Brittany Lane, Wicomico Church 22579. Available on-site are 8 slips/moorings, electricity, water, boat repair, solid waste containers, privy, and restroom facilities at the owners residence.

UNDER SURVEILLANCE

- 4. Whay's Creek Subdivision, adjacent to 179 Hickory Lane, Reedville 22539. Available on-site is a ramp with a loading/unloading dock.
- 33. Camp Kittamaquand, 906 Kittamaquand Road, Burgess 22432. Available on-site is a Kayak/Canoe launch site for the Girl Scouts.
- 41. Cooper's Landing, end of Route 707, Heathsville 22473. Available on-site is a ramp with a loading/unloading dock.
- 43. Swann Harbour POA, adjacent to 1 Lakeview Drive, Wicomico Church 22579. Available on-site is a dock with two slips.
- 50. Knight's Landing POA, adjacent to 1312 Knight's Landing Drive, Heathsville 22473. Available on-site is a ramp with 2 seasonal slips/moorings.
- 51. Rivers Knoll HOA, adjacent to 1831 Island Point Road, Wicomico Church 22579. Available on-site is a ramp with a loading/unloading dock.
- 54. Sampson's Wharf HOA, end of Locust Cove Road, Heathsville 22473. Available on-site is a ramp with a loading/unloading dock and a larger fishing pier.

- 56. Snowden Park II, right on Holly Creek Drive, Wicomico Church 22579. Available on-site is a ramp with a loading/unloading dock for the residents of Snowden Park II.
- 57. Snowden Park I, end of Tipers Drive, Wicomico Church 22579. Available on-site is a ramp with a loading/unloading dock for the residents of Snowden Park I.
- 67. Dameron's Seafood, 271 Wicomico View Lane, Wicomico Church 22579. Available on-site is one seasonal slip/mooring with electricity, water and a loading/unloading dock for watermen.
- 68. J.L. Sisson Seafood, Seafood, 449 Wicomico View Lane, Heathsville 22473. Available on-site are 5 seasonal slips/moorings.
- 70. Cranes Creek Public Landing, end of Cranes Landing Road, Heathsville 22473. Owner: Department of Transportation. Available on-site is a ramp with a loading/unloading dock.
- 71. Bob Nelson/John Hopkins shared dock, end of Willis Lane, Wicomico Church 22579. Available on-site are 9 seasonal slips/moorings, electricity, water, solid waste containers and restrooms at each home.
- 75. Point Pleasant, end of Bussell Point Road, Wicomico Church 22579. Available on-site are 6 seasonal slips/moorings and restrooms at the residents homes.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 31. Location: 14544 Northumberland Highway, Burgess 22437. Tidewater Hunting Club. Dwelling – large steel building. 1 person. Present at time of survey were 26 hunting dogs. Manure is worked into the ground. Excess is dumped in the woods.
- 35. Location: 12234 Northumberland Highway, Heathsville 22473. Dwelling – 2 stories, white with black roof and black shutters. No contact. Present at time of survey were 6 horses and 1 mule. Manure was left on ground surface.
- 42. Location: 32 Lewis Lane, Heathsville 22473. Dwelling – 2 stories, brick/cream colored siding with brown shingles. 2 persons. Present at time of survey were 100 pigeons. Manure is taken to dumpster.
- 62. Location: 293 Mila Road, Heathsville 22473. Dwelling – 2 stories, white with metal roof. No contact. Present at time of survey were 5 horses. Manure was left on ground surface.
- 66. Location: 2275 Mila Road, Wicomico Church 22579. Dwelling – 2 stories, white with brown shingles. 3 persons. Present at time of survey were 18 horses, 2 foals, 15 chickens and 6 ducks. Manure is composted, decomposed and used on fields and gardens. Heavy vegetation and a pond separate the pasture and barns from the watershed.

SUMMARY

Growing Area # 013
Great Wicomico River
11 July 2013

SECTION B: SEWAGE POLLUTION SOURCES

1 SEWAGE TREATMENT FACILITIES

2 – DIRECT – # 76, 77
0 – INDIRECT – None
2 – 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 – # 69
6 – CONTRIBUTES POLLUTION, INDIRECT – # 22, 23, 26, 28, 34, 59
2 – CP – (Kitchen or Laundry Wastes), DIRECT – # 1, 39
6 – CP – (Kitchen or Laundry Wastes), INDIRECT – # 3, 10, 34, 36, 52, 63
1 – NO FACILITIES, DIRECT – # 69
6 – NO FACILITIES, INDIRECT – # 2, 36, 44, 45, 48, 53
22 – B.2. TOTAL

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

19 – POTENTIAL POLLUTION – # 6, 7, 13, 14, 16, 17, 21, 25, 27, 29, 32, 38, 47, 58, 60, 61, 64, 72, 74

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – None
4 – INDIRECT – # 8, 9, 30, 55
4 – C.1. TOTAL

2. SOLID WASTE SITES

1 – DIRECT – # 24
2 – INDIRECT – # 11, 40
3 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

7 – MARINA – # 12, 15, 19, 20, 37, 49, 65
4 – OTHER PLACES WHERE BOATS ARE MOORED – # 5, 18, 46, 73
14 – UNDER SURVEILLANCE – # 4, 33, 41, 43, 50, 51, 54, 56, 57, 67, 68, 70, 71, 75
25 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
5 – INDIRECT – # 31, 35, 42, 62, 66
5 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Great Wicomico River
013
Shoreline Sanitary Survey

Northumberland County

Date: 11 July 2013
Survey By: D.R. Beuchelt
Number of Properties Surveyed: 2059

0 1,000 2,000
Yards

