



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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Potomac River: Coan River to Ginny Beach Growing Area # 009 Northumberland County Shoreline Sanitary Survey

Date: 30 September 2013
Survey Period: June 10, 2013 – September 13, 2013
Total Number of Properties Surveyed: 1246
Surveyed By: D.R. Beuchelt

Section A: GENERAL

This survey area extends from Reference Point 9 beginning at Great Point to Reference Point 10 at the end of State Route 739 (extended at a right angle from Route 649), including the shoreline between these two points, Cod Creek, Presley Creek, Corbin Pond, Hull Creek (Spring Cove, Fleets Cove, Fountain Cove, Floyds Cove, Bridgeman Creek, and Rogers Creek), Cubitt Creek, Lowes Pond, Condit Pond, Black Pond, Hack Creek, Flag Pond, 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 and increases to 100' with a maximum of 108' in places at the outer edge of the survey boundary line. There are 14 subdivisions located within the boundary line. Two subdivisions have a campground on-site. According to the 2010 U.S. Census, Northumberland County showed a 0.6% increase in population with a count of 12,330. The economy is based mainly on office and administrative support, construction and extraction, and production occupations.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms. Hurricane Irene, in 2011, caused extensive erosion along the Potomac River shoreline. The most recent Hurricane Sandy during October 28 to 30, 2012, dropped 8.86 inches of rain producing flooding in the area. Meteorological data indicated that 9.48 inches of rain fell during this survey. A monthly breakdown is as follows:

June 10-30	2.23"	July	4.99"	August	2.26"	September 1-13	0.00"
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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 0 sewage treatment facilities, 5 on-site deficiencies, 11 properties marked as potential deficiencies, 0 industrial sites, 1 solid waste site, 17 boating activity sites and 3 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

11. CONTRIBUTES POLLUTION – Location: 194 Tampa Place, Heathsville 22473. Dwelling – 1 ½ stories, tan with brown shingles and blue shutters. No contact. Found on-site was a broken septic tank lid. Sanitary notice was issued on 7/13/13 to field # 324. Tax Map 11-B(9)- -21.

15. CONTRIBUTES POLLUTION – Location: Lot 3 on Sandy Beach Road, Heathsville 22473. Dwelling – small, 1 story beige with light gray shingles (no electric or water hookups). No contact. Found on-site was a septic tank with an open sewer line. Sanitary notice was issued on 8/15/13 to field # 468. Tax Map 18-(1)- -112-C.

26. CONTRIBUTES POLLUTION – Location: on Hull Neck Road, Heathsville 22473. Dwelling – none. No contact. Found on-site was an uncapped sewer line. Sanitary notice was issued on 8/13/13 to field # 784. Appears to be Tax Map 18-(1)- -139-A.
33. CONTRIBUTES POLLUTION – Location: on Wildlife Drive, Heathsville 22473. Dwelling – Conquest RV-5th wheel, white with blue/green stripes. No contact. RV has electric, water and septic hookups and is permanently plumbed to septic system. Found on-site was a broken clean-out port exposing the sewer line. Sanitary notice was issued on 9/5/13 to field # 1115. Appears to be Tax Map 20-(6)- -7.
35. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 1001 Vir Mar Beach, Heathsville 22473. Dwelling – none. No contact. Per health department records, the house and drainfield were both damaged during Hurricane Irene. Found on-site was an old grease trap (without a lid) exposing contents. Sanitary notice was issued on 9/9/13 to field # 1141. Tax Map 20-(5)- - 2. Per Northumberland County Health Department, issue was corrected before survey was published by replacing the lid.

POTENTIAL POLLUTION

2. Location: 227 Potomac Shore Drive, Heathsville 22473. Dwelling – 1 story, yellow cinderblock, light gray shingles and white shutters. No contact. Found on-site was a 1 to 1 ½ inch black hose which exits at the beach area. No signs of discharge at time of survey.
3. Location: 2138 Clarketown Road, Heathsville 22473. Dwelling – 1 story, white cinderblock with a white vinyl 2 story addition. No contact. Found on-site was a 1 inch white PVC pipe which exits the house. No signs of discharge at time of survey.
6. Location: Appears as lot 100 on Presley Creek Drive, Heathsville 22473. Dwelling – 1 story, white with black shingles and blue shutters. No contact. Found on-site was an Eco Flo system with soil erosion around the system. No signs of discharge at time of survey.
8. Location: 938 Bay Quarter Drive, Heathsville 22473. Dwelling – 1 story, blue siding with black shingles and white shutters. No contact. Found on-site was a 2 inch white PVC pipe which exits the house and runs to the ground surface. No signs of discharge at time of survey.
9. Location: 724 Bay Quarter Drive, Heathsville 22473. Dwelling – 1 story, tan with brown shingles and white trim. No contact. Found on-site was a 1 inch white PVC pipe which exits a shed. No signs of discharge at time of survey.
10. Location: 416 Bay Quarter Drive, Heathsville 22473. Dwelling – 2 stories, gray with medium gray shutters and gray shingles. No contact. Found on-site was a 2 inch black corrugated pipe which exits the foundation of the house. No signs of discharge at time of survey.
13. Location: Lot 28 in Potomac Bay Estates, Heathsville 22473. Dwelling – 2 stories, gray with brown shingles and white trim. No contact. Found on-site was a 2 inch white PVC pipe which exits the foundation under the porch. No signs of discharge at time of survey.

16. Location: 1024 Sandy Beach Road, Heathsville 22473. Dwelling – 1 ½ stories, tan with brown shingles and stone foundation. No contact. Found on-site was a 2 inch white PVC pipe which exits the foundation. The area is depressed and soil appears displaced from prior discharge. No signs of discharge at time of survey.
29. Location: Lot 9 on Shade Tree Lane, Heathsville 22473. Dwelling – sheds and dock. No contact. This may be a camp site.
31. Location: 175 Fleet Road, Heathsville 22473. Dwelling – 2 stories, tan with black shingles and white trim. No contact. Found on-site was a 1 inch white PVC pipe which exits from under a porch. No signs of discharge at time of survey.
37. Location: 219 Driftwood Trail, Heathsville 22473. Dwelling – 1 ½ stories, yellow asbestos shingle siding and white trim with gray shingled roof. No contact. Found on-site was a 2 inch PVC pipe which exits the foundation. No signs of discharge at time of survey.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTE SITES

-None-

SOLID WASTE SITES

20. Location: The 911 number is not posted. Property is adjacent to 489 Hull Harbor Road, Heathsville 22473. Dwelling – 2 stories, white with metal roof. Found on-site were bags of household trash and other debris scattered on premises.

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

1. Pine Point Civic Association Inc., adjacent to 280 and 227 Potomac Shore Drive, Heathsville 22473. Available on-site are 15 seasonal slips/moorings and ramp. Restroom facilities are located at the resident's homes.
7. Bay Quarter Shores Inc., 1004 Bay Quarter Drive, Heathsville 22473. Available on-site are 14 seasonal slips, ramp, solid waste containers, and restroom facilities located at the clubhouse.
23. Location: On Hull Neck Road, Heathsville 22473. Available on-site are 5 seasonal slips/moorings.
24. Location: On Hull Neck Road, Heathsville 22473. Available on-site are 4 seasonal slips/moorings.
25. Location: On Hull Neck Road, Heathsville 22473. Available on-site are 5 seasonal slips/moorings, ramp, electricity and water.

Note: It appears the slips at # 23, 24 and 25 listed above serve property owners who live on Hull Neck Road along the Potomac River shoreline. Docks are located at the properties along the shoreline; however, harsh weather conditions eliminate permanent docking of vessels at those docks.

34. Skiff Cove. Skiff Landing Lane, Heathsville 22473. Available on-site are 13 seasonal slips/moorings. Restroom facilities are located at the resident's homes.

UNDER SURVEILLANCE

5. Location: Adjacent to 61 Clarke Lane, Heathsville 22473. Private dock. Available on-site are 6 seasonal slips/moorings and a Kayak/Canoe launch site. Restroom facilities are located at the property owner's home.
12. Potomac Bay Estates, adjacent to 1 Potomac Drive, Heathsville 22473. Available on-site is a community boat ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
17. Sands on the Potomac Homeowners Association, Inc. First right pass Starboard Court, Heathsville 22473. Available on-site is a community boat ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
18. Pleasant Pointe Property Owners Association, adjacent to 896 and 768 Fountain Gate Road, Heathsville 22473. Available on-site is a community boat ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
19. Fountain Cove (OJN Corp.), adjacent to 210 Fountain Lane, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
21. Hull Harbor POA, end of Boat Ramp Road, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
22. Oyster Cove POA, adjacent to 228 Greenway Place, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Restroom facilities are located at the resident's homes. Also available is a small pavilion with picnic tables.
28. Chesapeake Cove Association, Inc., adjacent to 65 and 109 Potomac Lane, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
30. White Sands Harbour POA, adjacent to 46 Cubitt Court, Heathsville 22473. Available on-site is a community ramp, loading/unloading dock and solid waste can. Also available is a picnic area. Restroom facilities are located at the resident's homes and at the campground bathhouse.

32. Harbour Pointe HOA, adjacent to 586 Witch Duck Lane, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Restroom facilities are located at the resident's homes.
36. Chesapeake Properties, Inc., 1137 Brammer Drive, Heathsville 22473. Available on-site is a community ramp and loading/unloading dock. Also available is a picnic area, pool and beach area. Restroom facilities are located at the resident's homes and at the pool house.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

4. Location: 61 Clarke Lane, Heathsville 22473. Dwelling – 2 stories, white with black shutters and black metal roof. No contact. Found on-site were 4 goats and chickens. Manure disposal is unknown.
14. Location: 31 Fountain Gate Road, Heathsville 22473. Dwelling – 2 stories, white with black shingles and black shutters. No contact. Found on-site were 15 llamas/alpacas, chickens, guineas and other fowl. Manure was in a pile in a field close to pasture.
27. Location: 295 Cordrey's Beach Road, Heathsville 22473. 3 persons. Found on-site were three horses. Manure is worked into fields and is composted.

SUMMARY

Growing Area # 009
Potomac River: Coan River to Ginny Beach
30 September 2013

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
4 – CONTRIBUTES POLLUTION, INDIRECT – # 11, 15, 26, 33
0 – CP – (Kitchen or Laundry Wastes), DIRECT – None
1 – CP – (Kitchen or Laundry Wastes), INDIRECT – # 35
0 – NO FACILITIES, DIRECT – None
0 – NO FACILITIES, INDIRECT – None
5 – B.2. TOTAL

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

11 – POTENTIAL POLLUTION – # 2, 3, 6, 8, 9, 10, 13, 16, 29, 31, 37

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.1. TOTAL

2. SOLID WASTE SITES

0 – DIRECT – None
1 – INDIRECT – # 20
1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

0 – MARINA – None
6 – OTHER PLACES WHERE BOATS ARE MOORED - # 1, 7, 23, 24, 25, 34
11 – UNDER SURVEILLANCE - # 5, 12, 17, 18, 19, 21, 22, 28, 30, 32, 36
17 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

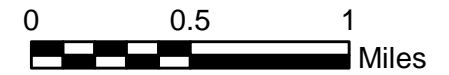
0 – DIRECT – None
3 – INDIRECT – # 4, 14, 27
3 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Potomac River: Coan River to Ginny Beach
009
Shoreline Sanitary Survey

Northumberland County

Date: 30 September 2013
Survey By: D.R. Beuchelt
Number of Properties Surveyed: 1246



Legend

Seawater Sampling Stations

- Active (Blue star)
- Inactive (Yellow star)

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 (Anchor symbol)
- Contributes Animal Pollution - Direct (Red triangle with 'A')
- Contributes Animal Pollution - Indirect (Black triangle with 'A')

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

