



# COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
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## **LOWER MACHODOC CREEK Growing Area # 005 Westmoreland County Shoreline Sanitary Survey**

**Date:** 7 August 2011  
**Survey Period:** May 24 – August 2, 2011  
**Total Number of Properties Surveyed:** 1151  
**Surveyed By:** D.R. Beuchelt

### **Section A: GENERAL**

This survey area extends from Reference Point 5 at Kingcopsico Point to Reference Point 6 at Ragged Point, including the Potomac River shoreline between this two points, Lower Machodoc Creek, Herring Pond, Bettys Pond, Cabin Point Creek, Glebe Creek (Weatherall Creek and Aimes Creek), Doyle Cove, Thompson Branch, Jones Branch, Drum Bay, Lee Creek, Mount Pleasant Branch, Hester Cove, Branson Cove, Blackbeard Pond and all of their tributaries.

The area is relatively level throughout the survey area with moderate elevations  $\leq 20'$ . The 2010 population census showed an increase of 4% with a count of 17,454 for Westmoreland County. The population is concentrated primarily in the communities of Cabin Point, Glebe Harbor, Drum Bay Estates, Coles Point and Ragged Point Beach. Many of the homes along the creeks and the Potomac River shores are occupied seasonally.

Meteorological data indicated that 9.41" of rain fell during the survey period. A monthly breakdown is as follows:

May 24-31, 2011	0.00"	June	3.19"	July	6.18"	August 1-2	0.04"
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A portion of the survey area east of Lower Machodoc Creek and along the Potomac River from Grapevine Point to Ragged Point, went online with the Coles Point Sewage Treatment Plant since the 2003 survey.

*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.westmoreland-county.org/](http://www.westmoreland-county.org/).

Found during the survey were 0 STF facilities, 10 on-site deficiencies, 11 properties marked as potential deficiencies, 0 industrial sites, 0 solid waste sites, 15 boating activity sites and 2 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/](http://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**

1. CONTRIBUTES POLLUTION – Location: 142 Herring Lane, Montross 22520. Dwelling – mobile home, with an addition, gray with red trim. 2 persons. Septic tank lid is made of wood and metal. Occupant stated that he believed heavy precipitation slows the flow of wastewater into the system. Sanitary Notice issued on 5/25/11 to Field # 41. Tax Map # 25A 1 95. Issue was corrected before survey was published.
2. CONTRIBUTES POLLUTION – Location: 2 Cabin Point Drive, Montross 22520. Dwelling – 2 stories, gray siding with brick addition, gray shutters and black shingles. No Contact. Sewer cap is broken, exposing sewer line. No effluent visible at time of survey. Sanitary Notice issued on 6/6/11 to Field # 188. Tax Map # 25B2 2 45. Issue was corrected before survey was published.

5. CONTRIBUTES POLLUTION – Location: 62 Osprey Drive, Montross 22520. Dwelling – 2 stories, white with gray shingles. No Contact. Sewer cap is broken, exposing sewer line. No effluent visible at time of survey. Sanitary Notice issued on 6/16/11 to Field # 428. Tax Map # 26K1 2 49.
6. CONTRIBUTES POLLUTION – Location: 32 Osprey Drive, Montross 22520. Dwelling – 1 story, yellow with brown shingles and red shutters. No Contact. Sewer cap is broken, exposing sewer line. No effluent visible at time of survey. Sanitary Notice issued on 6/16/11 to Field # 429. Tax Map # 26K1 2 46.
15. NO FACILITIES – Location: 41 Boyce Point Circle, Montross 22520. Dwelling – 1 story, white with awnings and gray shingles. No Contact. Sanitary Notice issued on 6/30/11 to Field # 642. Tax Map # 38 53.
21. NO FACILITIES – Location: Adjacent to 136 Valentine Street, Hague 22469. Dwelling – small building, yellow with green shutters and metal roof. No Contact. Sanitary Notice issued on 8/3/11 to Field # 751. Tax Map # 38B 2 6 25.
22. CONTRIBUTES POLLUTION – Location: 42 Richardson Street, Hague 22469. Dwelling – 1 story, white with green shutters and light gray shingles. No Contact. Sewer cap is broken, exposing tank. No effluent visible at time of survey. Sanitary Notice issued on 7/12/11 to Field # 776. Tax Map # 38A 1 6 56. Issue was corrected before survey was published.
25. CONTRIBUTES POLLUTION – Location: 265 Zena Way, Hague 22469. Dwelling – 1 story, white with gray shingles. 1 person. Access lid on septic tank is missing. Area is covered with rotten plywood. Underneath, contents of tank is exposed. Sanitary Notice issued on 7/15/11 to Field # 856. Tax Map # 38 161. Issue was corrected before survey was published.
28. **DIRECT** – NO FACILITIES – Location: 284 Branson Cove Road, Coles Point 22442. Dwelling – boathouses and dock. Old store, restaurant and restrooms have been demolished. There are no facilities on-site to serve boaters. Sanitary Notice issued on 7/25/11 to Field # 988. Tax Map # 26 51.
30. CONTRIBUTES POLLUTION – Location: 5289 Coles Point Road, Coles Point 22442. Dwelling – Large yellow, metal building. Lid on the E-One grinder unit is damaged, exposing the inside of the unit. Sanitary Notice issued on 7/25/11 to Field # 996. Tax Map # 26 53. Issue was corrected before survey was published.

#### **POTENTIAL POLLUTION**

7. Location: 1175 South Glebe Rd., Montross 22520. Dwelling – 1 story, white with gray shingles and gray shutters. 2 persons. Drainfield lines are well defined with heavy growth of grass. No odor or effluent at time of survey.
8. Location: 64 Currioman Court, Montross 22520. Dwelling – 2 stories, gray shingles and white trim. Under renovation. No contact. Remnant of sewer hose (for RV hook-up), connected to a 4” white PVC pipe. No odor or effluent at time of survey.

9. Location: 1101 Hull Springs Farm Road, Montross 22520. Bathhouse, 1 story, white. No Contact. Pipe exits bath house. Origin unknown. No odor or effluent at time of survey.
10. Location: 1101 Hull Springs Farm Road, Montross 22520. Cabin, 1 story red. No Contact. Pipe exits bath house . Origin unknown. No odor or effluent at time of survey.
13. Location: 298 Cherry Orchard Lane, Montross 22520. Dwelling – 1 story, white with light gray shingles. No Contact. Pipe exits foundation. Origin unknown. No odor or effluent at time of survey.
19. Location: 80 Washington Street, Hague 22469. Dwelling – mobile home, white with blue trim and white skirting. No Contact. 2” PVC pipe exits foundation. Origin unknown. No odor or effluent at time of survey.
23. Location: 42 Bronson Street, Hague 22469. Dwelling – 1 story, white with light gray shingles. No Contact. Green garden hose exits house and metal pipe exits shed. Origins unknown. No odor or effluent at time of survey.
26. Location: 284 Zena Way, Hague 22469. Dwelling – 1 ½ stories, yellow with white trim. No Contact. Green garden hose exits tank and runs to ditch. Origin unknown. No odor or effluent at time of survey.
27. Location: Adj. to 211 Grandview Lane, Hague 22469. Dwelling – empty lot, # 32, with nine remote drainfields, five are active. Owner of the lot states in winter months, the remote drainfield area is wet and has a high water table, draining into the ditches and ravine, and states the drainage has an odor and characteristics of sewage.
33. Location: 112 Old Post Office Road, Coles Point, 22442. Dwelling – 2 stories , white with metal roof. No Contact. 1½ “white PVC pipe exits dwelling. Origin unknown. No odor or effluent at time of survey.
36. Location: 703 Salisbury Park Road, Coles Point, 22442. Dwelling – empty lot. No contact. 4” black sewer line uncapped. At the time of the survey, the sewer line was at an angle that could not result in a discharge onto the ground.

## **SECTION C: NON-SEWAGE WASTE SITES**

### **INDUSTRIAL WASTES**

-None-

### **SOLID WASTE SITES**

-None-

## **SECTION D: BOATING ACTIVITY**

### **MARINAS**

-None-

### **OTHER PLACES WHERE BOATS ARE MOORED**

18. K&J Marine, 351 Chatham Village Road, Montross 22442. Available on-site are 6 seasonal slips, electricity, water, solid waste containers, restrooms, dump station and sewage holding tank pumpout facilities (agreement with Coles Point Plantation Marina).
24. Drum Bay Marina, adjacent to 44 and 64 Drum Lane, Hague 22469. Available on-site are 30 slips, concrete ramp, and loading/unloading dock. Vault privy and solid waste containers are located at the recreation center at the end of Drum Lane.
30. Drury's Marine, 5289 Coles Point Road, Coles Point, 22442. Available on-site are 20 seasonal slips, 10 dry storage spaces, restrooms (inside the metal building) and vault privies which also serve as the dump station. Note: dump station sign is not legible.
31. Coles Point Harbour, 5635 Coles Point Road, Coles Point, 22442. Available on-site are 13 seasonal slips, 2 dry storage spaces, ramp, electricity, water, solid waste containers, and restrooms.

### **UNDER SURVEILLANCE**

3. Cabin Point Boat Ramp, end of Boat Ramp Road, Montross 22520. Available on-site are a ramp, water, 2 small loading/unloading docks, solid waste containers and restroom facilities.
4. Glebe Harbor-Cabin Point, 147 Osprey Drive, Montross 22520. Available on-site are ramp, power plug at electric pole, water, solid waste containers, 2 loading/unloading docks. Restrooms are at the residents homes.
11. Location: Adjacent to 123 and 151 St. James Lane, Montross 22520. Available on-site are 4 seasonal slips for work boats.
12. Location: 346 Cherry Orchard Lane, Montross 22520. Available on-site are 3 seasonal slips for work boats and restroom at property owners house.
16. Location: 155 Boyce Point Circle Road, Montross 22520. Available on-site are 4 seasonal slips, one with electric for boat lift.
17. Location: End of Chatham Village Road, Montross 22520. Available on-site are 2 seasonal slips for work boats.
20. Calais & DBE Public Park, end of Holiday Lane, Hague 22469. Available on-site is a ramp with a loading/unloading dock.

28. Location: 284 Branson cove Road, Coles Point 22442. Former commercial marina. Available on-site are 37 seasonal slips. Note: the restaurant and store have been torn down; the boathouses were to be torn down. At the time of the survey 7 slips were in use at the boathouses.
29. Harding Brothers Railway, 264 Branson Cove Road, Coles Point 22442. Marine railway. Available on-site are electricity, boat repair, solid waste containers and a restroom.
32. Location: 5693 Coles Point Road, Coles Point 22442. Private dock facility. Available on-site are 14 seasonal slips, ramp, electricity, water, solid waste containers and restrooms (at property owner's house).
35. Coles Point Tavern, 850 Salisbury Park Road, Coles Point 22442. Available on-site is temporary mooring of vessels permitted during operating hours of the Coles Point Tavern. Restroom facilities are located inside the tavern.

#### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

14. Location: 1618 South Tidwell Road, Montross 22570. Dwelling – 1 story, white with gray shutters. 2 persons. Found on-site were 30 cows/calves. Manure is worked into pasture.
34. Location: 5983 Coles Point Road, Coles Point 22442. Dwelling – 1 story, white. No Contact. Found on-site were 2 horses, 2 ponies, 24 cows/calves and 10 goats. Manure appears to be left on ground.

## SUMMARY

Area # 005  
Lower Machodoc Creek  
7 August 2011

### 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
- 7 – CONTRIBUTES POLLUTION, INDIRECT – # 1, 2, 5, 6, 22, 25, 30
- 0 – CP - (Kitchen or Laundry Wastes), DIRECT – None
- 0 – CP - (Kitchen or Laundry Wastes), INDIRECT – None
- 1 – NO FACILITIES, DIRECT – # 28
- 2 – NO FACILITIES, INDIRECT – 15, 21
- 10 – B.2. TOTAL

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

- 11 – POTENTIAL POLLUTION – # 7, 8, 9, 10, 13, 19, 23, 26, 27, 33, 36

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

### SECTION D: BOATING ACTIVITY

- 0 – MARINA – None
- 4 – OTHER PLACES WHERE BOATS ARE MOORED – # 18, 24, 30, 31
- 11 – UNDER SURVEILLANCE – # 3, 4, 11, 12, 16, 17, 20, 28, 29, 32, 35
- 15 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

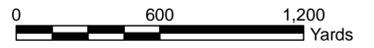
- 0 – DIRECT – None
- 2 – INDIRECT – # 14, 34
- 2 – E. TOTAL

Virginia Department of Health  
Division of Shellfish Sanitation

Lower Machodoc Creek  
# 005  
Shoreline Sanitary Survey

Westmoreland County

Date: 20 February 2004  
Survey By: G.A. Wood  
Number of Properties Surveyed: 1025



- 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

