



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

CHERRYSTONE INLET Growing Area # 088 Northampton County Shoreline Sanitary Survey

Date: 8 August 2013
Survey Period: June 20 – August 2, 2013
Total Number of Properties Surveyed: 966
Surveyed By: R. F. Sloan

SECTION A: GENERAL

This survey area extends from Reference Point 88 at Wescoat Point to Reference Point 89 at the west end of Washington Ave. in the town of Cape Charles, including Cherrystone Inlet, Remus Creek, Wescoat Cove, Old Castle Creek, Eyreville Creek, Eyrehall Creek, Mill Creek, and Kings Creek and all of their tributaries.

The topography of the area is relatively low with elevations ranging from less than 5' along the shoreline and marshy areas to 25' in the eastern portion of the survey area. The area is sparsely populated. The economy is based largely upon agriculture and seafood harvesting.

Meteorological data indicated that a total rainfall of 3.74" during the survey period. A monthly breakdown is as follows:

June 20-30	0.18"	July	3.56"	August 1-2	0.00"
------------	-------	------	-------	------------	-------

Most properties in the survey area are served by individual on-site sewage disposal systems. There is a sewage treatment plant with a no discharge design at Cherrystone Family Campground and RV Resort, # 17. All properties on the north side of Washington St. in Cape Charles are connected to that town's sewage treatment plant.

There is one hard clam aquaculture operation, Cherrystone Aqua Farms, located next to Ballard Fish and Oyster Company, # 18. All water used in the direct operation of growing larva to seed clams comes from the mouth of Kings Creek, is circulated through the facility and is discharged back into Kings Creek.

Current restriction on shellfish harvesting is Condemned Shellfish Area # 088-139, Cherrystone Inlet: Kings Creek. Copies of bacteriological, hydrographical, and shellfish closure data are available at the area field office for review. Copies of the current condemnation notices and maps are available via the internet at www.vdh.virginia.gov/shellfish/.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing

area supervision and classification. However, the data are made available to various agencies participating in shellfish program coordinated activities or other interested parties. The Engineering Appendix is available by request from the Richmond Office of the Division of Shellfish Sanitation.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B.1., C.1. and C.2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has 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 resurvey of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

17. Occupant: Cherrystone Family Camping Resort, PO Box 545, Cheriton 23316. Permit # VPA01022. The campground has approximately 700 campsites. System consist of 20 communal septic tanks for camper trailers with the capability to hook-up to the sewer connections, septic tanks for each of three bath houses, a recreation center, and welcome center. Effluent from these septic tanks is pumped to a sewage lagoon with two lined cells. After treatment in a series of two aerated cells and holding cells the effluent goes through a chlorinator and is spray irrigated onto a field with seven one acre spray zones. The field is bermed on three sides and there is a stand of trees on the fourth side. System appeared to be working satisfactorily at time of inspection. The most recent DEQ Wastewater Facility Inspection Report for this facility is attached.

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION – Location: 1267 Hoffler Drive, Eastville. Dwelling – 3-story brick mansion. No contact. Sewage ponding on the ground surface in the area of the septic tank. Sanitary Notice issued 7-10-13 to Field # B1.
2. CONTRIBUTES POLLUTION – Location: 1382 Savage Neck Drive, Eastville. Dwelling – white cement block 1-story. No contact. Black drain hose extends from the back of the house to the ground. Sanitary Notice issued 7-10-13 to Field # B7.
3. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 18356 Old Castle Road, Eastville. Dwelling – 1-story garage cream vinyl siding. No contact. Sink in the garage drains to the ground surface through a PVC pipe. Sanitary Notice issued 7-12-13 to Field # B19.
9. CONTRIBUTES POLLUTION – Location: Campsite 368, Maple Street, Cherrystone Campground, Cheriton. Pump station vent cap is crushed, exposing the contents. Sanitary Notice issued 7-22-13 to Field # B346.

10. CONTRIBUTES POLLUTION – Location: Campsite 339, Poplar Street, Cherrystone Campground, Cheriton. Sewer cap is missing allowing access to sewer line. Sanitary Notice issued 7-22-13 to Field # B375.
12. CONTRIBUTES POLLUTION – Location: Campsite 180, Norfolk Street, Cherrystone Campground, Cheriton. Improper sewer cap (plywood with a brick on top). Sanitary Notice issued 7-24-13 to Field # B600.
13. CONTRIBUTES POLLUTION – Location: Campsite 260, Norfolk Street, Cherrystone Campground, Cheriton. Septic tank lid is cracked exposing the contents. Sanitary Notice issued 7-24-13 to Field # B609.
14. CONTRIBUTES POLLUTION – Location: Campsite 277, Seaford Street, Cherrystone Campground, Cheriton. Sewer cap is missing allowing access to sewer line. Sanitary Notice issued 7-25-13 to Field # B709.
15. CONTRIBUTES POLLUTION – Location: Campsite 282, Seaford Street, Cherrystone Campground, Cheriton. Sewer cap is missing allowing access to sewer line. Sanitary Notice issued 7-25-13 to Field # B714.
16. CONTRIBUTES POLLUTION – Location: Campsite 673, Scallop Lane, Cherrystone Campground, Cheriton. Sewer connection shows evidence of erupting sewage to the ground surface. Sanitary Notice issued 7-25-13 to Field # B805.

NO FACILITIES

5. NO FACILITIES ***DIRECT*** – Location: 2112 Cherrystone Road, Cheriton. Owner stated that he uses the toilet facilities at his residence approximately 2 miles away. His children use the facilities at a neighbor's residence if available. Sanitary Notice issued 8-5-13 to Field # B76.

POTENTIAL POLLUTION

8. POTENTIAL POLLUTION – Location: 21121 Wilkins Drive, Cheriton. Dwelling – 1-story white vinyl siding rancher. Occupant stated that septic system was slow to drain during wet weather.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

18. ***DIRECT*** – Cherrystone Aqua Farm. Hard clam processing plant (VA-846-SS). Wash down wastes from clam grading discharges directly into Kings Creek. Has VPDES Permit # VAG523000 from Department of Environmental Quality, Water Regional Office.
19. Bagwell Oil Company Inc., PO Box 136, Onancock 23417. Business – fuel oil storage facility. Cement berm around 4 above ground storage tanks. Has above ground storage tank permit # FC055448 from the Department of Environmental Quality.

SECTION D: BOATING ACTIVITY

MARINAS

22. Bay Creek Marina and Resort. Commercial marina. There are 224 slips. Boating services will be fuel, water, electricity, sanitary facilities, and boat holding tank pump out facilities. Present at the time of the survey were 19 pleasure and 2 commercial boats 26' or less, and 31 pleasure and 5 commercial boats greater than 26'.

OTHER PLACES WHERE BOATS ARE MOORED

4. Salt Grove, Robin Road, Cheriton 23316. Private boat facility. 6 slips. Present at time of survey were 2 pleasure and 2 workboats 26' or less. Boating services provided are fuel, water, electricity, and ramp. Sanitary services provided are 1 commode. Sewage disposal is by septic tank with effluent pumped to drain field, which appeared to be working satisfactorily at time of inspection. There are no boat holding tank pump-out facilities provided.
11. Cherrystone Campground. Private boating facility for campers. 51 moorings. There were 23 rental boats present at time of survey. Sanitary facilities provided are 24 commodes, 8 urinals, 32 lavatories, and 19 showers for men and 24 commodes, 31 lavatories, and 18 showers for women. These facilities are located in the campground. All sewage at the campground is handled by the sewage treatment plant on site. Two portable privies are located near the bait and tackle shop. There are no boat holding tank pump-out facilities provided.
20. Kings Creek Landing. Private marina for planned community residents. 86 slips. Present at time of survey was 4 pleasure boats under 26'. Boating services provided are electricity, water, and a boat holding tank pump-out.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

6. **DIRECT** – 2328 Cherrystone Road, Cheriton. Dwelling – 2-story white asbestos siding & red brick. Present at time of survey were undetermined number of goats and sheep, 10 geese and ducks with access to pond that drains to creek.
7. Location: 21448 Wilkins Drive, Cheriton. Dwelling – 2-story white frame. No contact. Present at time of survey were 6 sheep in pen. Natural manure disposal in the pasture.
21. Location: 22190 Karens Lane, Cape Charles. Dwelling – 1-story white wood frame. Present at time of survey were 15 horses, 3 goats, 4 sheep, 9 chickens, and 6 ducks. Natural manure disposal in the pasture.

SUMMARY

Area # 088
Cherrystone Inlet
8 August 2013

SECTION B: SEWAGE POLLUTIN SOURCES

1. SEWAGE TREATMENT FACILITIES

- 0 – DIRECT – None
- 1 – INDIRECT – # 17
- 1 – 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
- 9 – CONTRIBUTES POLLUTION, INDIRECT – # 1, 2, 9, 10, 12, 13, 14, 15, 16
- 0 – CP (Kitchen or Laundry Wastes), DIRECT – None
- 1 – CP (Kitchen or Laundry Wastes), INDIRECT – # 3
- 1 – NO FACILITIES, DIRECT – # 5
- 0 – NO FACILITIES, INDIRECT – None
- 11 – B.2. TOTAL

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

- 1 – POTENTIAL POLLUTION – # 8

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT – # 18
- 1 – INDIRECT – # 19
- 2 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

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

SECTION D: CONTRIBUTES BOAT POLLUTION

- 1 – MARINAS – # 22
- 3 – OTHER PLACES WHERE BOATS ARE MOORED – # 4, 11, 20
- 0 – UNDER SURVEILLANCE – None
- 4 – D TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 1 – DIRECT – # 6
- 2 – INDIRECT – # 7, 21
- 3 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Cherrystone Inlet
088
Shoreline Sanitary Survey

Northampton County

Date: 8 August 2013
Survey By: R.F. Sloan
Number of Properties Surveyed: 966

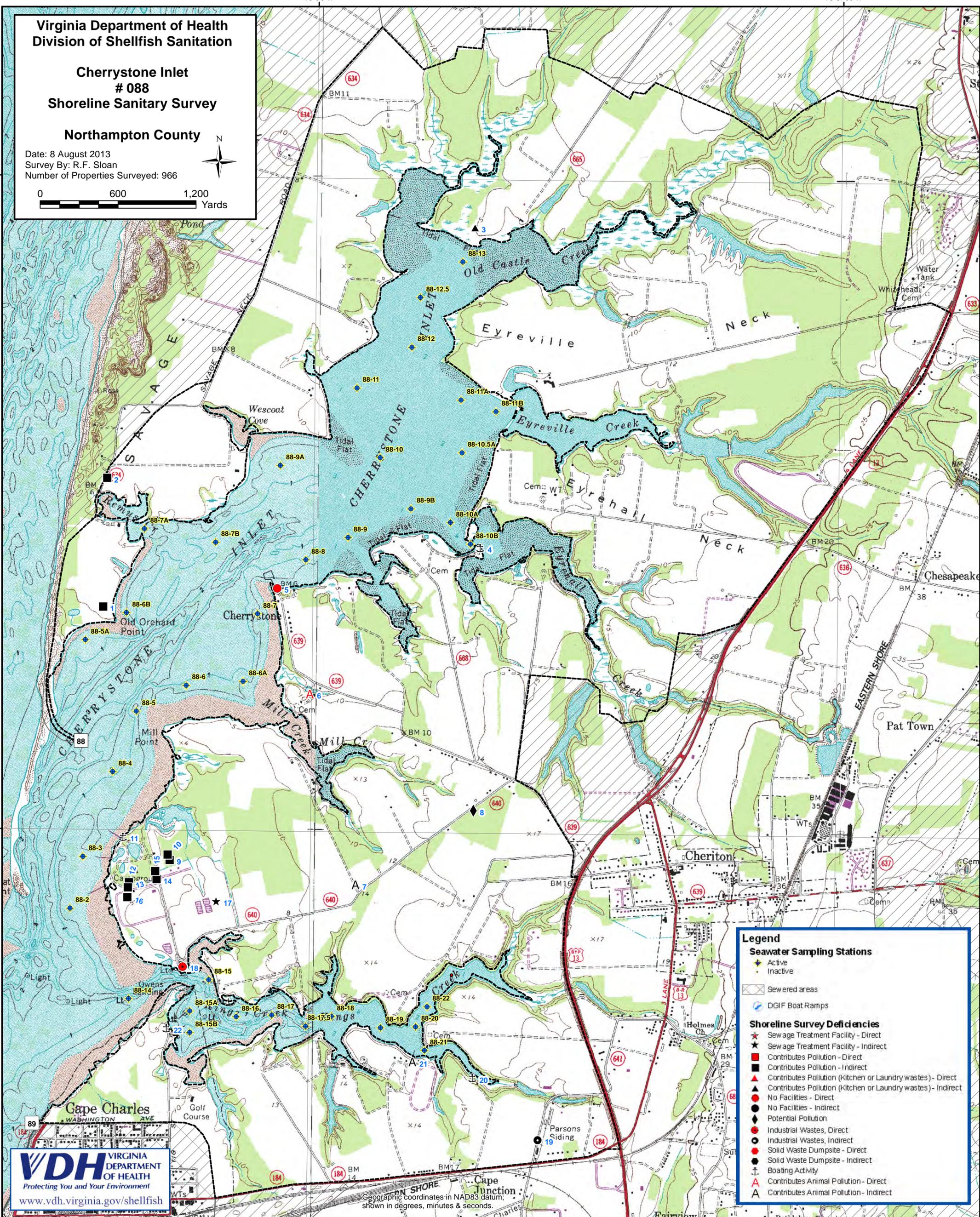


37°20'0"N

37°17'30"N

37°20'0"N

37°17'30"N



Legend

Seawater Sampling Stations

- Active (Yellow diamond)
- Inactive (Grey diamond)

Shoreline Survey Deficiencies

- Sewerage Treatment Facility - Direct (Star)
- Sewerage Treatment Facility - Indirect (Red 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 (Red diamond)
- Industrial Wastes, Direct (Red diamond)
- Industrial Wastes, Indirect (Black diamond)
- Solid Waste Dumpsite - Direct (Red circle)
- Solid Waste Dumpsite - Indirect (Black circle)
- Boating Activity (Red circle with anchor)
- Contributes Animal Pollution - Direct (Red letter A)
- Contributes Animal Pollution - Indirect (Black letter A)



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