



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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LAGRANGE AND ROBINSON CREEKS Growing Area # 028 Middlesex County Shoreline Sanitary Survey

Date: 5 January 2012
Survey Period: April 1 – October 21, 2011
Total Number of Properties Surveyed: 471
Surveyed By: W.A. McCarty

SECTION A: GENERAL

This survey area extends from Reference Point 29 at Corbin Hall Road extended at Goose Point to Reference Point 30 at Rappahannock Avenue in the town of Urbanna, including the Rappahannock River shoreline between these two points, Lagrange Creek (South Branch), Robinson Creek, Perkins Creek, and all of their tributaries.

The area is characterized by elevations that rise sharply from the shoreline adjacent to the Rappahannock River and its tributaries to approximately 20' and then level out to form plateau areas that extend inland. The population is relatively sparse throughout most of the survey area, with some greater density occurring along portions of the Rappahannock River shoreline and the shorelines of the area's creeks. The US Census Bureau reported that the population of Middlesex County showed an increase of 10.3 % between 2000 and 2010. The economy of the area is dependent mainly upon agriculture with the seafood industry and recreation also of importance.

Meteorological data indicated a total of 34.61" of rain fell during the survey period. This total includes the rains from the remnants of both Hurricane Irene in late August and Tropical Storm Lee in September. A monthly breakdown of rainfall is as follows:

April, 2011	2.48"	June	3.84"	August	11.0"	October 1-21	2.31"
May	2.42"	July	6.05"	September	6.51"		

A portion of the town of Urbanna that is within growing area 28, a portion of Beth-Page campground, and the subdivisions of Kilmer's Point and Cedar Point are served by sewage treatment plants. Only the plant that serves Kilmer's Point and Cedar Point discharges within Area 28, and consequently the engineering appendix contains information dealing only with this plant.

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 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 about Middlesex County can be found on the county website at:
www.co.middlesex.va.com.

Found during the survey were 1 STF facilities, 2 on-site deficiencies, 3 properties marked as potential deficiency, 1 industrial site, 1 solid waste site, 8 boating activity sites, and 4 sites marked for 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 <http://www.vdh.virginia.gov/shellfish>.

This 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 of the 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

11. Kilmer's Point Homeowners Association, Ms. Barbara Gill, manager, PO Box 148, Urbanna 23175. Permit # VPA01409. Sewage treatment plant for homeowners belonging to the Kilmer's Point Association (i.e., residents of Kilmer's Point and Cedar Point communities). System includes high pressure and low pressure pumping stations, grinders, in-line bar screen, 2 aeration lagoons, a polishing/holding pond, and a chlorine contact tank. Treated water is piped to a 14-acre site and periodically applied to the field by a rolling sprayer. The engineering appendix is comprised of the Department of Environmental Quality's March 4, 2011 inspection report.

ON-SITE SEWAGE DEFICIENCIES

2. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 121 Gayles Road, Urbanna 23175. Dwelling – white vinyl siding 2 story with green shutters. 2 persons. Kitchen sink drains onto ground beside the house. Sanitary notice issued 4-8-2011 to Field # 32.

8. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 230 Burch Road, Urbanna 23175. Dwelling – brown aluminum siding 1 story with black shutters. No contact. Kitchen sink drains onto ground behind the house. Sanitary notice issued 6-17-11 to Field # 171. Repair was completed before the conclusion of the survey.

POTENTIAL POLLUTION

7. Location: 85 Waters End Lane, Water View 23180. Dwelling – tan wood siding 1½ story with white trim. No contact. Four inch white PVC pipe empties through bulkhead to the Rappahannock River. No evidence of pollution at time of inspection.
10. Location: 56 Flats Road, Urbanna 23175. Dwelling – grey block 1 story with white trim. 2 persons. Owner states that the privy fills when there is heavy rain. Privy was fine at time of survey.
15. Location: 3281 Old Virginia Street. Dwelling – white frame 2 story with green metal roof. No contact. 1½” PVC vent pipe has a broken elbow as it comes out from under the house. Pipe was not leaking at time of survey.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

17. ***DIRECT*** – Shores and Ruark Seafood, Urbanna 23175. Business – oyster shucking (VA 294 SP) and crab picking (VA 113 C) plant. Shellfish processing and packing waste water discharge directly to Robinson Creek pursuant to a permit issued by the Department of Environmental Quality permit number # VAG 527058.

SOLID WASTE DUMPSITES

5. Middlesex Metals, Inc., 2095 Old Virginia Street, Urbanna 23175. Scrap metal recycling plant. Approximately 5 acres of scrap ferrous and non-ferrous metal on the property. Activity at this site includes receiving, dismantling, sorting and packaging material for shipment to buyers of scrap metal. The plant operates under permit number VAR-540251.

SECTION D: BOATING ACTIVITY

MARINAS

6. Remlik Marina, 485 Burch Road, Urbanna 23175. J. Douglas Jackson, President. Commercial Marina. Available on-site are 85 seasonal slips/moorings, 40 dry storage spaces, ramp, fuel, water, electric, solid waste containers, restrooms, dump station, and sewage holding tank pump-out facilities.
12. Kilmer’s Point Subdivision # 2, Kilmer Point Drive, Urbanna 23175. Owner: Kilmer’s Point Homeowner’s Association. No contact. Available on-site are 36 seasonal Slips/moorings, water, electricity, restrooms, and a dump station.
16. Sunset Point Marina, 792 Burrell Marina Road, Urbanna 23175. Owner: Walesa Corporation. Commercial Marina. Available on-site are 41 seasonal slips/moorings, 20 dry storage spaces, ramp, water, electric, solid waste containers, restrooms, dump station, and sewage holding tank pump-out facilities.

17. Shores and Ruark Seafood, 453 Johnson Drive, Urbanna 23175. Owner: Rufus Ruark Jr. Oyster (VA 294 SP) and crabmeat (VA 113 C) plant. Available on-site are 5 seasonal slips/moorings, fuel, water, electric, restrooms, and a dump station.
18. Bethpage Camp Resort, 679 Browns Lane, Urbanna 23175. Owner: Walter B. Hurley. Campground. Available on-site are 201 seasonal slips/moorings, 200 dry storage spaces, ramp, water, electric, solid waste containers, restrooms, dump station, and sewage holding tank pump-out facilities.

OTHER PLACES WHERE BOATS ARE MOORED

7. Location: 288 Burch Road, Urbanna 23175. Owner: Thomas Bristow. Private pier. Available on-site are 6 seasonal slips/moorings, water, electric, and a restroom.

UNDER SURVEILLANCE

13. Kilmer's Point Subdivision # 1, Remlik Drive, Urbanna 23175. Owner: Kilmer's Point Homeowner's Association. No contact. Available on-site is a community boat ramp and a loading/unloading dock.
14. Remlik Hall, Apple Blossom Lane, Urbanna 23175. Owner: Kilmer's Point Homeowner's Association. No contact. Available on-site are 4 seasonal slips/moorings.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

1. ***DIRECT*** – Location: 2944 Corbin Hall Drive, Urbanna 23175. Present at time of survey were 50 cows. Cows roam within 100 feet of Lagrange Creek. Manure is left in fields.
3. Location: 949 Gayles Road, Urbanna 23175. Present at time of survey were 2 emus, 1 pig, 6 goats, 1 horse, 1 donkey, 10 chickens, and 6 ducks. Manure is left on ground.
4. Location: 1755 Gayles Road, Urbanna 23175. Present at time of survey were 16 horses. Manure is left in pasture.
9. Location: 521 Sunderland Creek Road, Urbanna 23175. Present at time of survey were 150 cows. Cows do not get closer than 150 feet to Lagrange Creek. Manure is left in pasture.

SUMMARY

Growing Area # 028
Lagrange and Robinson Creeks
5 January 2012

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 0 – DIRECT – None
- 1 – INDIRECT – # 11
- 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
- 0 – CONTRIBUTES POLLUTION, INDIRECT – None
- 0 – CP – (Kitchen or Laundry Wastes) – DIRECT – None
- 2 – CP – (Kitchen or Laundry Wastes) – INDIRECT – # 2, 8
- 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.

- 3 – POTENTIAL POLLUTION – # 7, 10, 15

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT – # 17
- 0 – INDIRECT – None
- 1 – C.1. TOTAL

2. SOLID WASTE SITES

- 0 – DIRECT – None
- 1 – INDIRECT – # 5
- 1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 5 – MARINAS – # 6, 12, 16, 17, 18
- 1 – OTHER PLACES WHERE BOATS ARE MOORED – # 7
- 2 – UNDER SURVEILLANCE – # 13, 14
- 8 – D. TOTAL

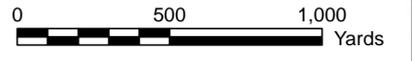
SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 1 – DIRECT – # 1
- 3 – INDIRECT – # 3, 4, 9
- 4 – E. TOTAL

Virginia Department of Health
 Division of Shellfish Sanitation
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 # 028
 Shoreline Sanitary Survey**

Middlesex County

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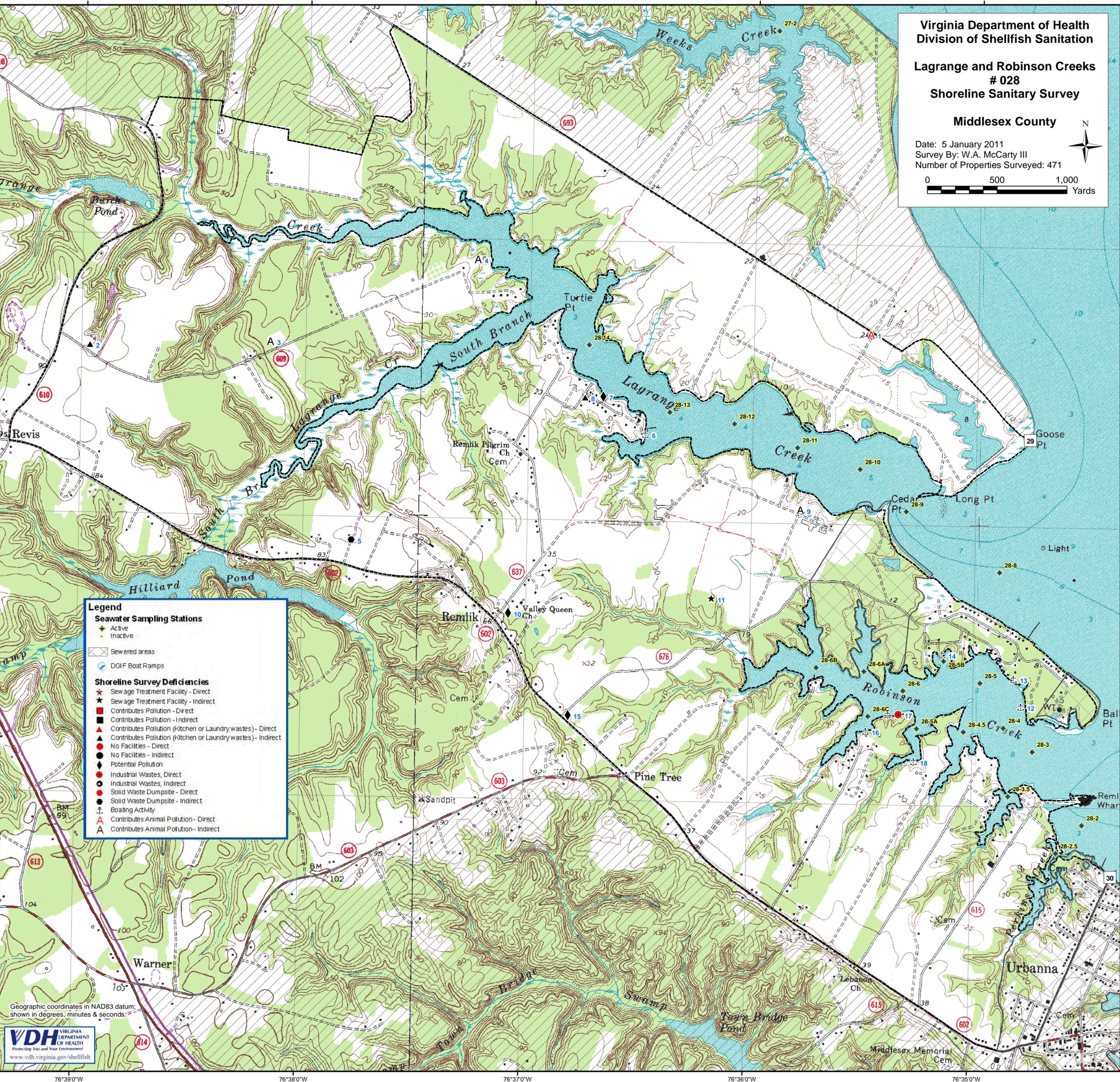
Legend

Seawater Sampling Stations

- Active (Blue diamond)
- Inactive (Black dot)

Shoreline Survey Deficiencies

- Sewered areas (Hatched pattern)
- DGIF Boat Ramps (Blue trapezoid)
- 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 (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 triangle)
- Contributes Animal Pollution - Direct (Red triangle)
- Contributes Animal Pollution - Indirect (Black triangle)



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

