



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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TOTUSKEY AND RICHARDSON CREEKS
Growing Area # 025
Richmond County
Shoreline Sanitary Survey

Date: 14 October 2014

Survey Period: January 11, 2013 – July 3, 2014

Total Number of Properties Surveyed: 584

Surveyed By: W.A. McCarty and J.P. Carrier

SECTION A: GENERAL

This survey area extends from Reference Point 25 at Suggetts Point, to Reference Point 25A at Accaceek Point, including Totuskey and Richarson Creeks, and first and second order streams within a boundary line set by the Division of Shellfish Sanitation (DSS).

The topography of the area surveyed begins at the shoreline and increases to 135 feet inland. The population is moderate with a concentration around the town of Warsaw. The US Census Bureau reported that the population of Richmond County showed an increase of 5.1 percent between 2000 and 2010. The economy of the area is dependent mainly upon government services, health care, and retail trade, with agriculture also of importance.

Meteorological data indicated a total of 69.15" of rain fell during the survey period. A monthly breakdown of rainfall is as follows:

Jan. 11-31, 2013	3.68"	June	6.89"	November	3.49"	April	4.78"
February	1.78"	July	6.61"	December	5.66"	May	3.08"
March	4.84"	August	2.69"	January 2014	3.18"	June	5.11"
April	3.69"	September	1.42"	February	3.28"	July 1-3	0.12"
May	2.62"	October	2.21"	March	4.02"		

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 drain field 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.richmond.va.us.

Found during the survey were 3 sewage treatment facilities, 5 on-site deficiencies, 2 properties marked as potential deficiency, 7 industrial sites, 1 solid waste site, 5 boating activity sites, and 6 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 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

13. ***DIRECT*** – Haynesville Correctional Center, c/o Lyell Jett, operator, PO Box 129, Haynesville 22472. Population served approx.: 1100–1225 inmates and 350 staff. VDPEs Permit # VA0023469 / VAN020044. Design flow is 0.1780 MGD. Haynesville Treatment facility consists of flow measurement, four screening/comminution units, two grit removal units, two sequencing batch reactors, four sludge pumps, one aerobic digestion unit, twenty drying bed units, two tertiary filtration units, two ultraviolet disinfection lamp/ assemblies, sludge press, and a lift station. Camp #17 treatment facility consists of two screening/comminution units, an influent pump station, one flow equalization cell, one activated sludge aeration unit, one sedimentation unit, two sludge pumps, one aerobic digestion unit, two drying beds, one tertiary filtration unit, one ultraviolet disinfection lamp/assembly, flow measurement, one post aeration unit (final effluent for Haynesville Correctional Unit and Camp #17), and a effluent/plant shore based outfall for both treatment plants that discharges into a tributary of Garlands Mill Pond. Sludge is land applied elsewhere.

It is important to note that the Haynesville Correctional Center WWTP and Camp #17 WWTP are two different facilities that share the treatment process and discharge outfall unit. A copy of the most recent OWP/DEQ inspection report is on file with this report in the Division of Shellfish Sanitation Richmond office.

14. Thomas W. Beasley, Septic Contractor, 5964 Historyland Highway, Farnham 22460. Business – septage disposal site. Physical address of the site is on a gravel road off of Moores Mill Road, Farnham 22460. Treatment consists of septage lagoons.
22. ***DIRECT*** – Warsaw Lagoons Wastewater Treatment Plant, c/o David B. Woolard. PO Box 730, 743 Wellfords Warf Road, Warsaw 22572. Licensed as a class 2 plant. VPDES Permit # VA0026891. Design Flow is 0.300 MGD. UV disinfection is used. Treatment facility consists of two screening/comminution units, two flow measurement units, one post aeration unit, two sludge pumps, and two aerobic digestion units. Three lined and aerated pond/lagoon units, two sedimentation units, and two sulfonators on site but not in service. Facility has a rip rap shore based effluent outfall that discharges final effluent into Totuskey Creek. The aerobic digester receives sludge until it becomes full. It is then processed and made into solid balls which are then hauled to a landfill by Ally Waste.

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION – Location: 872 Suggetts Point Road, Warsaw 22572. Dwelling – 1 story white vinyl. 1 person. Found on-site was effluent on ground surface over the septic tank area. Sanitary notice was issued on 2/15/13 to Field # B23.
3. ***DIRECT*** – CONTRIBUTES POLLUTION – Location: 1125 Beaverdam Road, Warsaw 22572. Dwelling – grey mobile home. 2 persons. Drainfield was erupting to ground surface. Sanitary notice was issued on 2/15/13 to Field #B33.
8. CONTRIBUTES POLLUTION – Location: 266 Arnold Lane, Warsaw 22572. Dwelling – grey mobile home with brown trim. 1 person. Drain line was broken under mobile home before entering septic system. Sanitary notice issued on 2/28/14 to Field # B217.
11. NO FACILITIES – Location – 611 Three Way Road, Warsaw 22572. Dwelling – 2 story white and green frame. 1 person. Sanitary notice was issued on 5/19/14 to Field # B365.
16. NO FACILITIES – 7276 Richmond Road, Warsaw 22572. Dwelling – red 1 story. 2 persons. Occupant said the septic was no longer working. Sanitary notice issued 6/13/14 to Field # J212.

POTENTIAL POLLUTION

21. Location: 12367 History Land Highway, Warsaw 22572. Dwelling – white 1 story. Multiple cars, gas tanks, trailers, and thick debris were scattered over property.
24. Location: 13283 History Land Highway, Warsaw 22572 and 13291 History Land Highway, Warsaw 22572. Dwelling - brick apartment building. Pooled water and tall grass were over a 6' section behind the building.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

6. Location: 11549 Historyland Highway, Warsaw 22572. Northern Neck Oil Co., PO Box 97, Warsaw 22572. Business: fuel distributor and station. On-site were 1x20,000 gallon fuel tank, 1x20,000 gallon regular gasoline tank, 1x10,000 gallon kerosene tank,

1x20,000 gallon diesel fuel tank, 1x5000 gallon premium gasoline tank, and 1x4000 gallon clear kerosene tank. The 20,000 gallon tanks were surrounded by separate berms. The remaining tanks were enclosed within one berm.

9. Location: 10910 Richmond Road, Haynesville 22472. Crop Production Services. Business: fertilizer supplier. On-site and surrounded by a dike were 1x125,000 gallon and 2x30,000 gallon UAN 32 tanks, 1x30,000 gallon 11-37-0 tank, 1x30,000 gallon and 1x17,000 phosphoric acid tank, 2x25,000 gallon aqua ammonia tanks, 3x12,000 gallon and 1x6000 gallon T Gold tanks, 2x12,000 gallon liquid starter fertilizer tanks, 1x3000 gallon zinc tank, 1x2500 liquid clay tank, and bulk pesticides: 1x2400 chemical Bicept II Mag. F.C., 1x2400 chemical Princep 4L, 1x2400 chemical Lumax, 1x2400 chemical Roundup, 1x2400 chemical Gramoxone Max. Runoff from the loading pad is pumped to a holding tank and reused. Also on-site is 1x500 gallon gasoline and 1x500 gallon diesel fuel tank without berm.
10. Location: 135 Recycling Road, Warsaw 22572. Richmond County Solid Waste Recycling Convenience Center. Public waste and recycling center. 1 employee. Collects waste oil for recycling. On-site was 1x500 gallon tank in a berm.
12. **DIRECT** – Location: 15939 Historyland Highway, Warsaw 22572. Wood Preservers, Inc. Business: wood preservation. VPDES permit # VA0083127. Process utilizes chromate copper arsenate, copper azole, and Dricon in the preservation process. This facility discharges no process wastewater. Stormwater is discharged to tributaries of Totuskey Creek and Clark's Run.
15. Location: 13027 History Land Highway, Warsaw 22572. Richmond County Elementary School. 1x1000 gallon and 1x250 gallon fuel tank were located on-site without a berm.
17. Location: 6658 Richmond Road, Warsaw 22572. Frederick Northup Inc. Business: fuel distributor. 10 tanks of fuel were on-site totaling 145,000 gallons and were surrounded by a berm.
26. Location: 171 Fox Hunter Hill Road, Warsaw 22572. Dwelling – 2 story white asbestos shingle with dark green shutters. 1 large and multiple small barns/sheds were on-site. 1x1000 gallon diesel fuel and 3x300 gallon gasoline tanks without berm were on-site.

SOLID WASTE DUMPSITES

10. Location: 135 Recycling Road, Warsaw 22572. Richmond County Solid Waste Recycling Convenience Center. County waste facility. On-site were 5 dumpsters.

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

4. Location: Cedar Point, end of Cedar Point Road, Warsaw 22572. Available onsite was an in-out ramp and a loading pier.
7. Location: 374 Creek View Lane, Warsaw 22572. Private dock. Available on-site were 6 seasonal slips/moorings.

18. Location: Woodyard Road, off Route 3, Warsaw 22572. "The Landing" development c/o Richard and Jean Ann Sanford. Available on-site was a private pier with 16 slips and electrical outlets.
20. Location: 189 Waterside Drive, Warsaw 22572. "Settler Landing" development. Available on-site was a community pier with 8 slips. Restrooms and sewage holding tank pumpout were available on-site.

UNDER SURVEILLANCE

23. Location: 142 Woodyard Lane, Warsaw 22572. Richmond County Public Landing c/o Richmond County/VDOT/VDGIF. Available on-site was an in-out ramp with a pier.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2. ***DIRECT*** – Location: 122 Suggetts Point Road, Warsaw 22572. Dwelling – 2 story white siding with black shutters. 2 persons. Present at time of survey were 200 – 250 cows. Manure is left on ground surface. Pasture is < 250' from Richardson Creek.
5. Location: 10605 Historyland Highway, Warsaw 22572. Dwelling – beige mobile home with brown trim. 3 persons. Present at time of survey were 15 goats, 10 chickens, and 2 dogs. Manure is left on ground surface.
25. Location: Adjacent to 1021 Wellsford Warf Road, Warsaw 22572. Outlaw Hunting Club. Dwelling – green metal building. No contact. 11 hunting dogs were pinned on-site. Manure disposal is unknown.
26. Location: 171 Fox Hunter Hill Road, Warsaw 22572. Dwelling – 2 story white asbestos shingle with dark green shutters. 1 large and multiple small barns/sheds were on-site. No contact. 5 cows were on-site. Manure disposal is unknown.
27. Location: Adjacent to 459 Fox Hunters Hill Road, Warsaw 22572. Cobham Park Hunt Club. Dwelling – cream colored mobile office. No contact. 10-15 hunting dogs pinned on-site. Manure disposal is unknown.
28. Location: 1154 Fox Hunter Hill Road, Warsaw 22572. Dwelling – 2 story white siding with green metal roof. 3 barns/sheds were on-site. No contact. 5 cows were on-site. Manure disposal is unknown.

SUMMARY

Growing Area # 025
Totuskey and Richardson Creeks
14 October 2014

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 2 – DIRECT – # 13, 22
- 1 – INDIRECT – # 14
- 3 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIECIES – Correction of deficiencies in this section is the responsibility of the local health department.

- 1 – CONTRIBUTES POLLUTION, DIRECT – # 3
- 2 – CONTRIBUTES POLLUTION, INDIRECT – #1, 8
- 0 – CP – (Kitchen or Laundry Wastes) – DIRECT – None.
- 0 – CP – (Kitchen or Laundry Wastes) – INDIRECT – None.
- 0 – NO FACILITIES – DIRECT – None.
- 2 – NO FACILITIES – INDIRECT – # 11, 16
- 5 – B.2. TOTAL

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

- 2 – POTENTIAL POLLUTION – # 21, 24

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 1 – DIRECT – # 12
- 6 – INDIRECT – # 6, 9, 10, 15, 17, 26
- 7 – C.1. TOTAL

2. SOLID WASTE SITES

- 0 – DIRECT – None.
- 1 – INDIRECT – #10
- 1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 0 – MARINAS – None.
- 4 – OTHER PLACES WHERE BOATS ARE MOORED – # 4, 7, 18, 20
- 1 – UNDER SURVEILLANCE – # 23
- 5 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 1 – DIRECT – # 2
- 5 – INDIRECT – # 5, 25, 26, 27, 28
- 6 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Totuskey and Richardson Creeks
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Shoreline Sanitary Survey

Richmond County

Date: 14 October 2014
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Number of Properties Surveyed: 584



Legend

- Sampling Station - New
- Sampling Station - Historical
- Sewered areas
- DGIF Boat Ramps
- 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

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