



**COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION**

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**YEOCOMICO RIVER
GROWING AREA # 007
WESTMORELAND COUNTY
SHORELINE SANITARY SURVEY**

Date: 11 February 2016
Survey Period: August 28, 2014 – December 4, 2015
Total Number of Properties Surveyed: 1162
Surveyed By: D. R. Beuchelt, J.P. Carrier, and W.A. McCarty

Section A: GENERAL

This survey area begins at Reference Point 7 at the end of Sandy Point on Route 604 and extends to Reference Point 8 at the end of Cherry Point Road on Route 680 and includes the shoreline of the Potomac and Yeocomico Rivers their tributaries located 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 120 feet near the western edge of the survey boundary line. There are several subdivisions located within the survey area. According to the 2010 U.S. Census, Westmoreland County showed a 4.4% increase in population with a count of 17,454; Northumberland County showed a 0.58% increase in population with a count of 12,330. The economies in the counties are based mainly on retail trade, the seafood industry, recreation and agriculture.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms. In September 2010 heavy rainfall fell during Tropical Storm Nicole. Hurricane Irene hit the state in 2011 and Hurricane Sandy hit the state October 28-30, 2012. Meteorological data indicated that 58.62" of rain fell during this survey. A monthly breakdown is as follows:

Aug 28-31, 2014	0.00"	September	2.89"	October	2.43"	November	3.15"
December	3.74"	January 2015	4.58"	February	3.30"	March	3.50"
April	3.49"	May	2.01"	June	11.46"	July	4.64"
August	2.15"	September	3.41"	October	3.25"	November	4.00"
December 1-4	0.62"						

The Commonwealth of Virginia, under Code Section 9VAC 10-20-120.7, specifies that onsite 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 and www.co.northumberland.va.us/.

Found during the survey was sewage treatment facility (Note: one property owner holds a permit to install a Sewage Treatment Facility), on-site deficiencies, properties marked as potential deficiencies, industrial site, solid waste site, boating activity sites and sites marked as animal pollution.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the White Stone office for review. Copies of current condemnation notices, maps and a spreadsheet showing corrected deficiencies 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

Final #	Field #	Pollution Type	Inspection Date	Latitude	Longitude	Locality	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks	Correction Date
1	A377A	SEWAGE TREATMENT FACILITY, indirect	09-OCT-14 10:33	38.03237887	-76.55849073	Westmoreland	563 Allen Point Lane, Kinsale 22488	Business	Port Kinsale Marina LLC. A Multi-flo wastewater treatment system, commercial occupancy. This system serves the Skipjack Inn, five cottages, the Mooring restaurant, the office/ship's store and the campground.					
41	D193	SEWAGE TREATMENT FACILITY, direct	01-MAY-15 13:12	37.97225640	-76.55748256	Northumberland	104 Harryhogan Road, Callao 22435	Business	Callao Wastewater Treatment Plant, Lee Bowles, Class III Operator. VPDES Permit # VA0091421. Discharge # 001.				This is a Municipal Minor type facility approved for a design flow of 60,000 GPD and with an outfall of 17,000 GPD. An UV treatment system is used for disinfection. Liquid sludge is removed from the tank when the tank is 80 % full. The liquid sludge is transferred to the Reedville WWTP (also operated by Mr. Bowles) where it is applied to the sludge drying beds. The receiving stream is UT Lodge Creek on water body VAP-A33E.	
2	A122	CONTRIBUTES POLLUTION, indirect	08-SEP-14 11:00	38.044489	-76.539772	Westmoreland	184 Windsong Drive, Kinsale 22488	Dwelling	1 story, beige with green shingles.	N			Found onsite was a cracked septic tank exposing contents. Sanitary notice issued on 9/8/14.	
7	A175	CONTRIBUTES POLLUTION, indirect	15-SEP-14 10:59	38.045386	-76.548661	Westmoreland	200 Long Street, Kinsale 22488	Dwelling	1 story, blue with brown shingles and white shutters.	N			Found onsite was an RV with an open port on the sewer line. Sanitary notice issued on 9/15/14.	
14	A281	NO FACILITIES, indirect	26-SEP-14 11:15	38.055433	-76.573937	Westmoreland	2379 Sandy Point Road, Kinsale 22488	Dwelling	2 recreational units have been set up to accommodate living quarters. A well and electricity are onsite. A meter reading of 4125 hours indicates activity at the property.	N			Sanitary notice issued on 9/29/14.	
15	A289	CONTRIBUTES POLLUTION, indirect	26-SEP-14 10:46	38.053560	-76.576840	Westmoreland	2591 Sandy Point Road, Kinsale 22488	Dwelling	Older mobile home, white with blue trim.	N			Found onsite was a septic tank with missing lid. Sanitary notice issued on 9/26/14.	
16	A296	CONTRIBUTES POLLUTION, indirect	29-SEP-14 11:47	38.044336	-76.573004	Westmoreland	624 Kinsale Bridge Road, Kinsale 22488	Dwelling	1 1/2 stories with additions, white with gray shingles. 1 person.	Y			Found onsite was a septic tank with missing lid. A temporary lid has been placed on the tank, leaving tank exposed. Sanitary notice issued on 9/29/14. Tax Map 49D-37A. Issue was corrected the day of property inspection.	9/29/2014
19	A359	CONTRIBUTES POLLUTION, indirect	09-OCT-14 10:20	38.032469	-76.557444	Westmoreland	563 Allen Point Road, Kinsale 22488	Dwelling	Campsite with Fleetwood Park model.	N			Found onsite was a broken sewer line. Sanitary notice issued on 9/26/14.	
20	A360	CONTRIBUTES POLLUTION, indirect	09-OCT-14 10:22	38.032284	-76.557221	Westmoreland	563 Allen Point Road, Kinsale 22488		Clean out port near a small shed at campground.	N			Found onsite was a broken line. Sanitary notice issued on 9/26/14. Tax Map 56-50.	
21	A369	CONTRIBUTES POLLUTION, indirect	09-OCT-14 10:28	38.031769	-76.557153	Westmoreland	563 Allen Point Road, Kinsale 22488		Empty campsite.	N			Found onsite was an open sewer port. Sanitary notice issued on 9/26/14.	
22	A371	CONTRIBUTES POLLUTION, indirect	09-OCT-14 10:21	38.032186	-76.557650	Westmoreland	563 Allen Point Road, Kinsale 22488		Empty campsite.	N			Found onsite was a broken sewer line. Sanitary notice issued on 9/26/14. Tax Map 56-50.	
24	A377B	CONTRIBUTES POLLUTION, indirect	09-OCT-14 10:33	38.032379	-76.558491	Westmoreland	563 Allen Point Road, Kinsale 22488		Multi-flo sewage system.	N			Found onsite was a broken wooden lid on the tank. Sanitary notice issued on 9/26/2014.	
31	C60	CONTRIBUTES POLLUTION, indirect	17-APR-15	38.010500	-76.577083	Northumberland	250 Dameron Street, Callao 22435	Dwelling	2 story, white siding with red roof. 1 person.	Y			Found onsite was a cracked septic tank lid exposing contents. Sanitary notice issued on 4/17/15.	
18	C124A	CONTRIBUTES POLLUTION, direct	25-SEP-15	38.015033	-76.552017	Northumberland	2380 Mundy Point Road, Callao 22435	Dwelling	Mobile home, brown and cream.	Y			Found onsite was a cracked septic tank lid exposing contents. Sanitary notice issued on 10/9/15. Deficiency was corrected (lid replaced) before survey was complete.	10/12/2015
33	C124B	CONTRIBUTES POLLUTION (kitchen or laundry wastes), direct	25-SEP-15	38.015033	-76.552017	Northumberland	2380 Mundy Point Road, Callao 22435	Dwelling	Mobile home, brown and cream.	Y			Found onsite was a 2" PVC pipe leading from under kitchen area of home going straight to water's edge. Sanitary notice issued on 10/9/15. Deficiency was corrected (pipe removed, kitchen piped to septic) before survey was complete.	10/12/2015

SECTION D: BOATING ACTIVITY

Final #	Field #	Pollution Type	Inspection Date	Latitude	Longitude	Locality	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
5	A156	BOATING ACTIVITY	12-SEP-14 11:38	38.04424773	-76.54872405	Westmoreland	298 Short Lane, Kinsale 22488	Marina	Available onsite are 8 seasonal slips/moorings, electricity, water, boat repair, solid waste containers, restroom facilities (privy with pump and haul contract), dump station (uses privy as a dump station), sewage holding tank pumpout (located by privy).		Shannon Branch Marine Service		
8	A193	BOATING ACTIVITY	15-SEP-14 12:07	38.04691686	-76.55045877	Westmoreland	2176 Skipjack Road, Kinsale 22488	Marina	Available onsite are 58 seasonal slips/moorings, 14 dry storage spaces, fuel (500 gallon diesel and 1000 gallon gasoline without berm), electricity, water, boat repair, solid waste containers, restroom facilities, dump station and a mobile sewage holding tank pumpout unit (in need of repair on 9/15/14 during property inspection).		Sandy Point Marina		
3	A196B	BOATING ACTIVITY					1090 Skipjack Raod, Kinsale 22488	Marina	Available onsite are 7 seasonal slips/moorings, fuel (3000 gallon gasoline with berm), electricity, water, solid waste containers and restroom facilities.		Bevan Oyster Co. Inc.		
17	A337	BOATING ACTIVITY	02-OCT-14 12:48	38.04224202	-76.55685123	Westmoreland	175 Marina Drive, Kinsale 22488	Marina	Available onsite are 44 seasonal slips/moorings, 8 storage spaces, fuel, electricity, water, boat repair, solid waste containers, restrooms facilities, dump station and sewage holding tank pumpout.		White Point Marina		
23	A375	BOATING ACTIVITY	06-OCT-14 13:18	38.03041876	-76.55749018	Westmoreland	563 Allen Point Road, Kinsale 22488	Marina	Available onsite are 73 seasonal slips/moorings, 46 dry storage spaces, fuel (2000 gallon gasoline, 1000 gasoline and 1000 gallon diesel tanks with berm), electricity, water, boat repair, solid waste containers, restroom facilities, dump station and sewage holding tank pumpout. Also onsite is a campground, restaurant, a B and B Inn and rental cottages.		Port Kinsale Marina		
27	B97	BOATING ACTIVITY	30-OCT-15 10:14	38.03130297	-76.57647075	Westmoreland	285 Kinsale Road, Kinsale 22488	Marina	Commercial marina. Available onsite were 99 seasonal slips/moorings, ramp, electricity, water, solid waste containers, restrooms, dump station, and sewage holding tank pumpout facilities.		Kinsale Harbour Marina		

SECTION D: BOATING ACTIVITY

Final #	Field #	Pollution Type	Inspection Date	Latitude	Longitude	Locality	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
36	D44	BOATING ACTIVITY	05-DEC-14 10:37	38.00643294	-76.54155635	Northumberland	3183 Harryhogan Road, Callao 22435	Marina	Boatyard and marina. Available on-site are 4 seasonal slips/moorings, electricity, repair service, water, solid waste cans, restrooms, and dump station facilities.		Boat Yard at Harryhogan		
37	D52	BOATING ACTIVITY	05-DEC-14 10:58	38.00593749	-76.54345066	Northumberland	3048 Harryhogan Road, Callao 22435	Marina	Commercial marina. Available on-site are 40 seasonal slips/moorings, ramp, electricity, repair service, solid waste cans, restrooms, and dump station facilities.		Krentz Marine Railway		
43	E28A	BOATING ACTIVITY	27-OCT-14	37.99735000	-76.54086667	Northumberland	1161 Melrose Road, PO Box D, Callao 22435	Marina	Commercial Marina. Available onsite are 181 seasonal slips/moorings, 138 dry storage slips, 3 live aboards, 8 transient slips/moorings electricity, water, solid waste containers, restrooms, dump station, sewage holding tank pumpout facilities, and a double boat ramp with 3 piers.		Olverson's Marina, Lodge Creek Marina, Inc.		
4	A152	BOATING ACTIVITY	15-SEP-14 10:53	38.04972606	-76.55218519	Westmoreland	308 Wilson Lane, Kinsale 22488	Under Surveillance	Found onsite was a dock available for use for the spat-on-shell facility.		Bevans Oyster Company		
6	A157	BOATING ACTIVITY	15-SEP-14 11:21	38.04399124	-76.54894207	Westmoreland	Adjacent to 298 Short Lane, Kinsale 22488	Under Surveillance	Available onsite is a dirt ramp and a loading/unloading dock.		Shannon Park Community Pier.		
12	A253	BOATING ACTIVITY	22-SEP-14 13:19	38.04617079	-76.56799866	Westmoreland	Adjacent to 141 Holly Circle, Sandy Point 22577	Under Surveillance	Available onsite is a concrete ramp and a loading /unloading dock.				
28	B100	BOATING ACTIVITY	30-OCT-15 10:40	38.03008650	-76.57542930	Westmoreland	82 Steamboat Landing, Kinsale 22488	Under Surveillance	Granary and loading dock. 4 employees. Available on-site are 2 seasonal slips/moorings, electricity, water, and restroom facilities.		Purdue Agribusiness Kinsale		
29	B105	BOATING ACTIVITY	30-OCT-15 11:00	38.02953623	-76.57604369	Westmoreland	Adjacent to 62 Sigourney Drive, Kinsale 22488	Under Surveillance	Community boat ramp.				
35	D43	BOATING ACTIVITY	05-DEC-14 10:30	38.00672664	-76.54065547	Northumberland	3155 Harryhogan Road, Callao 22435	Under Surveillance	Private boat mooring facility. Available on-site are 17 seasonal slips/moorings and restroom facilities.		The Fishing Center		
38	D136	BOATING ACTIVITY	06-FEB-15 11:30	37.99328651	-76.54030720	Northumberland	End of Lodge Road	Under Surveillance	Public boat ramp. Available on-site are 3 seasonal slips/moorings.		Lodge Creek Public Boat Landing		
44	E67	BOATING ACTIVITY	5-DEC-14	38.00379300	-76.53293200	Northumberland	313 Sandpiper Circle, Lottsburg 22511	Under Surveillance	Community boat ramp and pier.		Yeocomico View Association		
45	E110	BOATING ACTIVITY	9-JAN-15	38.02001667	-76.52548333	Northumberland	Cornish Creek Drive, Lottsburg 22511	Under Surveillance	Community boat ramp and pier.		Bon Harbours		

SECTION E: CONTRIBUTES ANIMAL POLLUTION

Final #	Field #	Pollution Type	Inspection Date	Latitude	Longitude	Locality	Address	Facility Type	Overall Site Remarks	Contact	Owner	Owner Address	Pollutant Remarks
26	B14	CONTRIBUTES ANIMAL POLLUTION, indirect	17-JUL-15 11:56	38.039053	-76.593102	Westmoreland	316 Bancton Road, Kinsale 22488	Dwelling	1 ½ story brick house. 2 Persons. Present at time of survey were 13 cows.				Manure is left on ground surface.
39	D173	CONTRIBUTES ANIMAL POLLUTION, indirect	17-APR-15 12:47	37.980864	-76.543224	Northumberland	412 Gravel Pit Lane, Callao 22435	Dwelling	1½ story tan vinyl with white trim. 2 persons. Present at time of survey were 7 horses and 2 donkeys.				Manure is left on ground surface.

SUMMARY

Growing Area # 007
Yeocomico River
11 February 2016

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 1 – DIRECT – # D193
- 1 – INDIRECT – # A377A
- 2 – B.1. TOTAL

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

- 1 – CONTRIBUTES POLLUTION, DIRECT – # C124A
- 10 – CONTRIBUTES POLLUTION, INDIRECT – # A122, A175, A289, A296, A359, A360, A369, A371, A377B, C60
- 0 – CP – (Kitchen or Laundry Wastes), DIRECT – None.
- 2 – CP – (Kitchen or Laundry Wastes), INDIRECT – # C124B, D187
- 0 – NO FACILITIES, DIRECT – None.
- 1 – NO FACILITIES, INDIRECT – # A281
- 14 – B.2. TOTAL

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

- 0 – None.

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 2 – DIRECT – # A196A, E28B
- 2 – INDIRECT – # B163, D194
- 4 – C.1. TOTAL

2. SOLID WASTE SITES

- 1 – DIRECT – # C91
- 1 – INDIRECT – # A420
- 2 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

- 9 – MARINA – # A156, A193, A196B, A337, A375, B97, D44, D52, E28A
- 0 – OTHER PLACES WHERE BOATS ARE MOORED – None.
- 11 – UNDER SURVEILLANCE – # A152, A157, A253, B100, B105, D43, D136, E67, E110, E139, E145
- 20 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

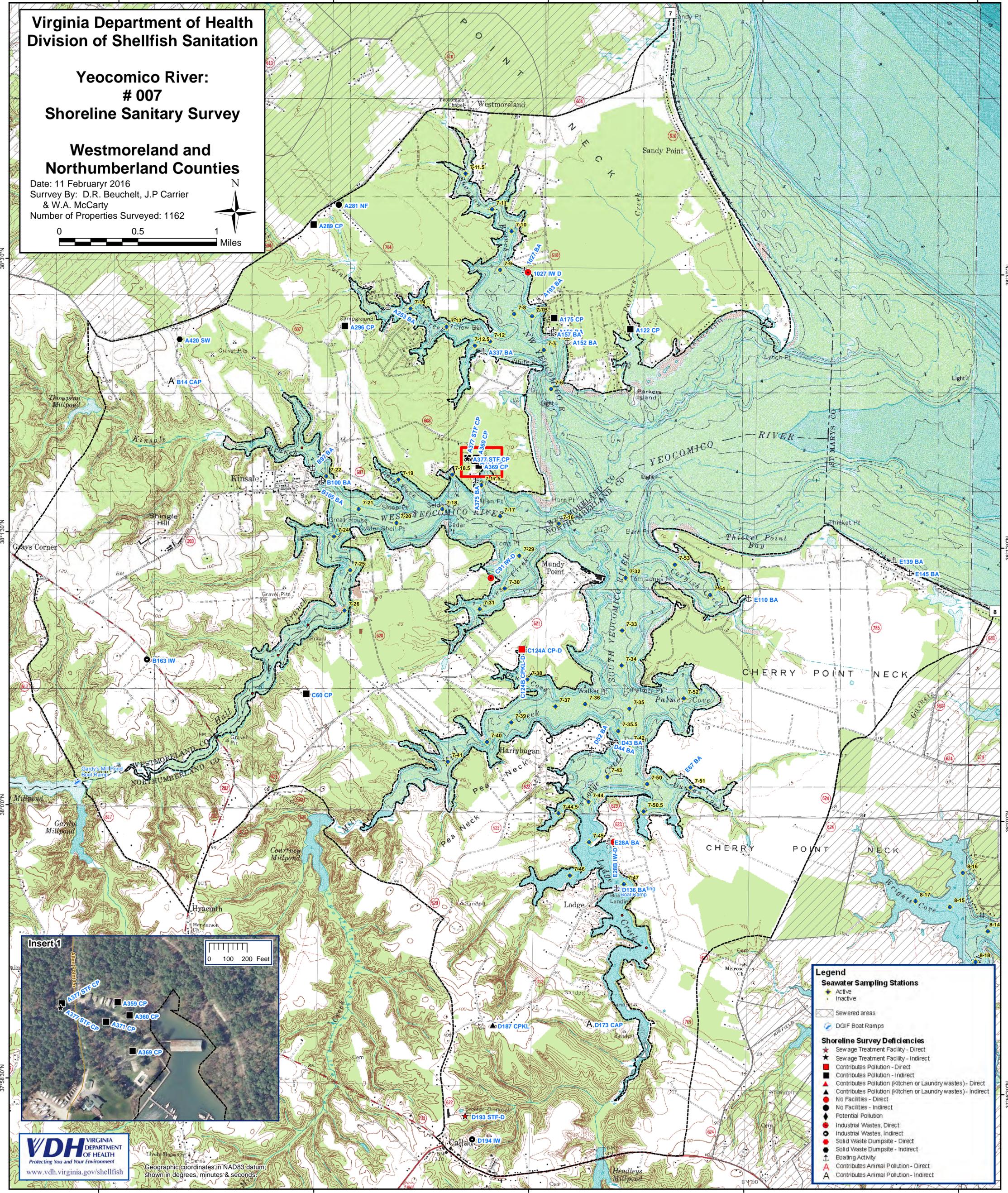
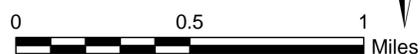
- 0 – DIRECT – None.
- 2 – INDIRECT – # B14, D173
- 2 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Yeocomico River:
007
Shoreline Sanitary Survey

Westmoreland and
Northumberland Counties

Date: 11 February 2016
Survey By: D.R. Beuchelt, J.P. Carrier
& W.A. McCarty
Number of Properties Surveyed: 1162



Legend

Seawater Sampling Stations

- Active (Yellow star)
- Inactive (Black star)

Shoreline Survey Deficiencies

- Sewered areas (Hatched pattern)
- DIGIF Boat Ramps (Blue symbol)
- 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 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 (Red circle with 'X')
- Contributes Animal Pollution - Direct (Red circle with 'A')
- Contributes Animal Pollution - Indirect (Black circle with 'A')



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