



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

Marissa J. Levine, MD, MPH, FAAFP
State Health Commissioner

109 Governor Street, 6th Floor
P.O. Box 2448
Richmond, Virginia 23218

Ph: 804-864-7487
Fax: 804-864-7481

CARTER CREEK
Growing Area # 020
Lancaster County
Shoreline Sanitary Survey

Date: 25 May 2016

Survey Period: December 29, 2015 – April 22, 2016

Total Number of Properties Surveyed: 901

Surveyed By: W.I. Barrack

Section A: GENERAL

This survey area begins at Reference Point 20 at Crab Point and ends at Reference Point 21 at Orchard Point. Included in this area is the Rappahannock River shoreline between the two reference points and Carter Creek, Yopp's Cove, Eastern Branch (Jack's Cove, James' Cove, Currell Cove, Dunton Cove, Old Mill Cove, Sam's Cove, Bridge Cove), Church Prong, Dead and Bones Cove, Carter Cove and all of their tributaries. The survey boundary has been revised. See map for current boundary.

During this survey period, meteorological data indicated that 12.57" of precipitation was recorded. A monthly breakdown follows:

Dec 29-31, 2015	0.47"	February	4.58"	April 1-22	0.78"
January, 2016	4.03"	March	1.49"		

The topography of the area surveyed varies from 10' or less along the shoreline to a maximum of 80' near the northern edge of the survey boundary. Population density is sparse to moderate, with heavier concentrations in and around the communities of White Stone, Irvington, and Weems. The economy is based primarily on service-oriented businesses and the seafood industry.

There have been several status changes to the sewage treatment facilities since the previous survey. Rappahannock Westminster – Canterbury (# W347) converted their sewage treatment facility to an engineered, non-discharging mass drainfield system that serves all of its residents. The Tides Lodge (# W900) daily treated sewage load outputs have decreased with the closing of the marina, restaurant and golf course. The Tides Inn sewage treatment facility (#W698) shows no change from the prior survey. The remaining properties within the survey are served by individual onsite sewage disposal systems.

On August 27, 2015, the Lancaster County Board of Supervisors awarded a contract for the Greentown-Gaskins Road Low Pressure Sewer System Project which would serve approximately 53 homes. The United States Department of Agriculture (USDA) allocated

\$600,000 in grant funding to cover the majority of the site work cost. These efforts were under construction during the survey period to correct all unsanitary septic issues and improve the quality of life among the approved residents.

The primary shoreline surveying included a door to door assessment of every residence, business, school, farm, etc. that could directly or indirectly impact the harvest growing area. A drive through inspection was implemented to 343+ properties surrounding the prohibited condemnation that are in the secondary status. Primary surveying is not required within the secondary parameters unless there is a sewage treatment plant, mass drainfield system, boating activity or any notable significant property that would require a more extensive evaluation.

Water sampling was conducted in addition to the regularly scheduled random seawater sampling to identify and take samples at storm water drain locations; to determine the location of straight pipes not observable by land; and to collect water samples at a closer proximity to the shoreline, closer together and farther upstream than regular seawater sampling. The additional water sampling was to identify areas that had unusually high fecal coliform counts to be further investigated from the shore.

The current restrictions on shellfish harvesting are Condemned Shellfish Area # 020-041, Carter Creek. Copies of the current condemnation notices and maps are available via the internet at www.vdh.virginia.gov/shellfish/.

Copies for Bacteriological, Hydrographic and Shellfish Closure data are available at the area office or the Richmond central office for review.

This report lists only those properties that have a sanitary deficiency or may have other environmental significance and can be located online at the above link. "***DIRECT***" indicates that the significant activity or deficiency may have a direct impact on shellfish waters. 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

[illegible]

SECTION C: NONSEWAGE WASTE SITES

[illegible]

SECTION D: BOATING ACTIVITY

[illegible]

SECTION E: CONTRIBUTES ANIMAL POLLUTION

[illegible]

SUMMARY

Growing Area # 020
Carter Creek
25 May 2016

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

2 – DIRECT – # W698, W900
0 – INDIRECT – None
2 – B.1. TOTAL

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

3 – CONTRIBUTES POLLUTION, DIRECT – # W520, W620, W901
4 – CONTRIBUTES POLLUTION, INDIRECT – # W351, W352, W428, W882
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
0 – CP (Kitchen or Laundry Wastes), INDIRECT – None
0 – NO FACILITIES, DIRECT – None
0 – NO FACILITIES, INDIRECT – None
7 – B.2 TOTAL

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

0 – POTENTIAL POLLUTION – None

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

1 – DIRECT – # W725
0 – INDIRECT – None
1 – C.1. TOTAL

2. SOLID WASTE SITES

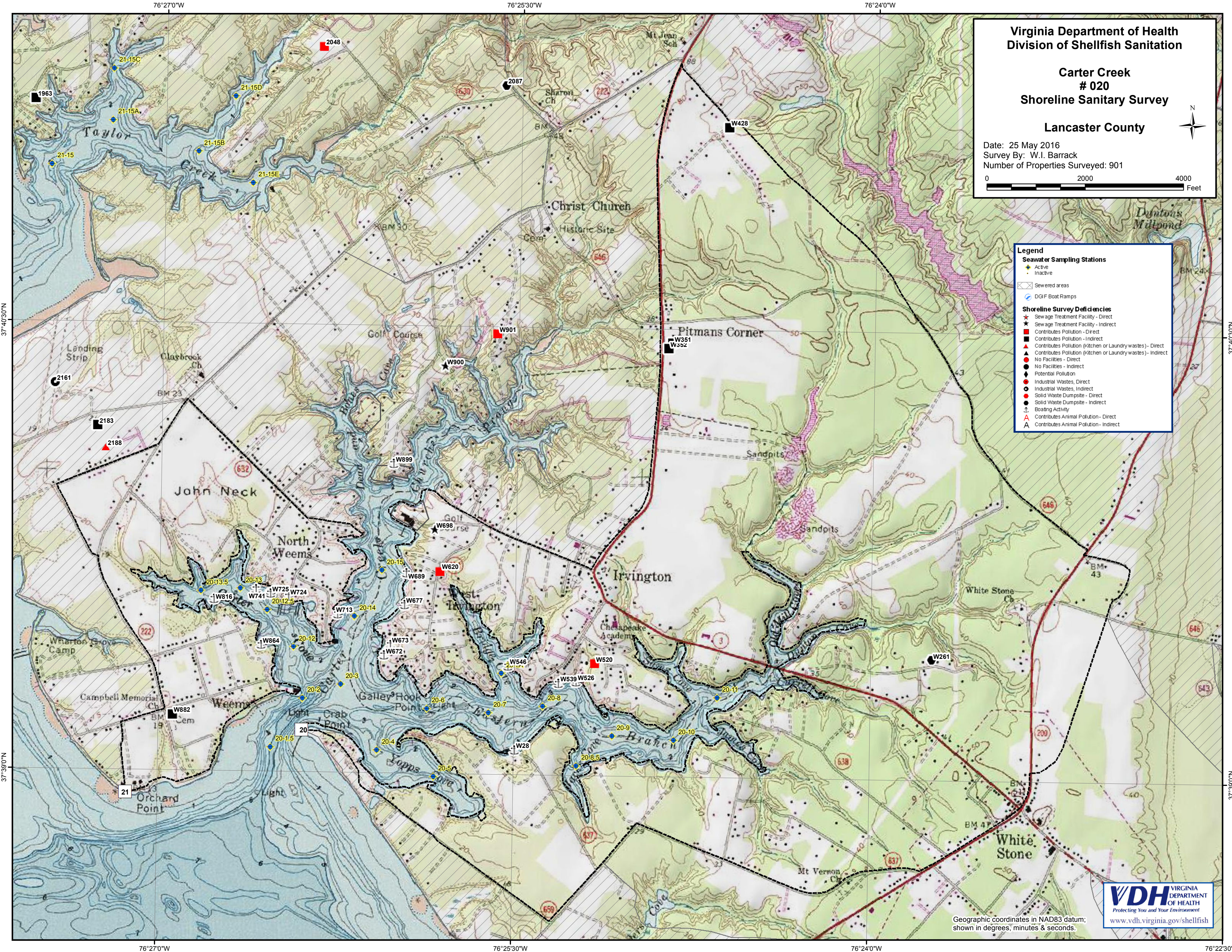
0 – DIRECT – None
1 – INDIRECT – # W261
1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

11 – MARINAS – # W526, W539, W672, W673, W677, W689, W698, W724, W741, W816, W864, W899
4 – OTHER PLACES WHERE BOATS ARE MOORED – # W28, W546, W713, W725
0 – UNDER SURVEILLANCE – None
15 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
0 – INDIRECT – None
0 – E. TOTAL

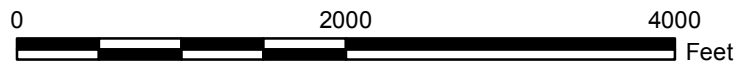


Virginia Department of Health
Division of Shellfish Sanitation

Carter Creek
020
Shoreline Sanitary Survey

Lancaster County

Date: 25 May 2016
Survey By: W.I. Barrack
Number of Properties Surveyed: 901



- 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

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

