



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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Hampton Roads: Tanner Point to Willoughby Bay
Growing Area # 066
City of Norfolk
Shoreline Sanitary Survey

Date: 22 November 2016

Survey Period: May 13, 2016 – June 16, 2016

Total Number of Properties Surveyed: 15

Surveyed By: I.M. Geeson

Section A: GENERAL

This survey area extends from Reference Point 67 at Tanner's Point on the Elizabeth River eastward towards Reference Point 68 at the western end of Willoughby Spit. The area includes Willoughby Bay, Masons Creek and their tributaries. The last study of this area was conducted August 27, 2006 by the Norfolk Field Office of the Division of Shellfish Sanitation (DSS).

The topography of the area is low and flat, ranging from 0 -10'. The population is dense and properties, including Naval Station Norfolk, are served by Hampton Roads Sanitation District (HRSD). The majority of the survey area is occupied by the Naval Station Norfolk. This installation can berth over 100 ships and includes a large naval air station. About 83,000 active duty personnel and approximately 29,000 civilians work on the base. Over 3000 naval residences are present on the base. Civilian residential housing surrounds the naval facility and extends onto Willoughby Spit. The economy of the area consists of industry, the naval base, and surrounding businesses serving the base and its personnel.

Meteorological data indicates 9.02 inches of rain fell during the survey period.

Copies of Bacteriological, Hydrographic, and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at www.vdh.virginia.gov/shellfish/. A City of Norfolk maintained GIS layer displaying detailed locations and attributes of outfalls for storm water conveyances is available for review at the central office. Waypoints assigned in the DSS ArcGIS Collector software represent VPDES permitted conveyances and wastewater treatment systems as displayed on the internet at www.deq.virginia.gov/ConnectWithDEQ/VEGIS.aspx and/or DEQ issued permits.

This report lists only those properties that 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 survey of the area. Data in the report are 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

ID	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
778	66	14	6/20/2016	SEWAGE TREATMENT FACILITY, direct	36.92138798	-76.32861087	Army Sewage Treatment Plant, 401 Lagoon Road, Norfolk, VA 23505	DEQ permit # VA 0081230. Design flow of 18 MGD exceeded 16 months in 10 years, with a max flow of 35 MGD in the ten year period. Extensive improvements under construction.	NA		Y	HRSD, 1436 Air Rail Avenue, Virginia Beach, VA 23455	Norfolk	IG

SECTION D: BOATING ACTIVITY

ID	GA #	Field #	Inspection Date	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Septic System Type	Structure Type	Contact	Overall Site Remarks	Locality	Boating Activity Type	Number of Wet Slips	NUM BOATS <26'	NUM BOATS >26'	Evidence of Live-Aboards	DSS Staff
42	66	1	6/20/2016	BOATING ACTIVITY	36.96593091	-76.29689066	1611 Bayville street, Norfolk, VA 23503	Undeveloped land listed for sale. Project described in previous survey not undertaken. No boating activity at time of inspection.	NA	Marine	N	Undeveloped land listed for sale. Project described in previous survey not undertaken. No boating activity at time of inspection.	Norfolk	Under Surveillance	2	0	0	N	IG
6383	66	2	6/23/2016	BOATING ACTIVITY	36.96625311	-76.29608191	Rebel Marine Service, 1553 Bayville Street, Norfolk, VA 22503	Solid waste containers, boat holding tank pump out and dump service provided. On shore sanitary facilities include male and female full restrooms discharging to HRSD.	NA	Marine	N	Solid waste containers, boat holding tank pump out and dump service provided. On shore sanitary facilities include male and female full restrooms discharging to HRSD.	Norfolk	Marina	82	27	54	Y	IG
6025	66	3	6/23/2016	BOATING ACTIVITY	36.97285866	-76.28690729	Willoughby Harbor Ltd., 1525 Bayview Street, Norfolk, VA 23503	Solid waste containers, boat holding tank pump out and dump service provided. On shore sanitary facilities include male and female full restrooms discharging to HRSD.	NA	Marine	N	Marina office under restaurant.	Norfolk	Marina	271	82	119	Y	IG
43	66	5	6/20/2016	BOATING ACTIVITY	36.96428081	-76.28804924	Willoughby Boat Ramp, Norfolk Parks and Recreation, Bayville Street, Norfolk, VA 23503	Public boat ramp, single rented privy. No overnight activity.	NA	Marine	NA	Public boat ramp, single rented privy. No overnight activity.	Norfolk	OPWBAM	2	0	0	N	IG
770	66	6	6/20/2016	BOATING ACTIVITY	36.96555888	-76.28449474	Williams Pier, Albert Williams, 1201 Little Bay Avenue, Norfolk, VA 23503	Provides electricity and water, has exception to requirement for onshore facilities. No solid waste, dump or pump-out service.	NA	Dwelling	N	Private residence and pier.	Norfolk	OPWBAM	5	0	4	N	IG
771	66	8	6/20/2016	BOATING ACTIVITY	36.96404226	-76.27588660	Willoughby Boat Club Condo, 863 Little Bay Avenue, Norfolk, VA 23503	Private marina for condominium homeowners. Has an exception to the requirements for solid waste, dump and pump out services. Residence lavatories to HRSD.	NA	Dwelling	N	Private residence and pier.	Norfolk	Marina	14	1	0	N	IG
772	66	9	6/20/2016	BOATING ACTIVITY	36.96357989	-76.27500896	Little Bay Boat and Beach Club Association Inc., 833 Little Bay Ave, Norfolk, VA 23503	Private marina for condominium homeowners. Electricity provided, has an exception to the requirements for solid waste, dump and pump out services. Residence lavatories to HRSD.	NA	Dwelling	N	Private residence and pier.	Norfolk	OPWBAM	9	0	0	N	IG
773	66	10	7/8/2016	BOATING ACTIVITY	36.96424343	-76.27228331	Little Bay Harbor Marina, 787 West Ocean View Avenue, Norfolk, VA 23503	Broken pipe at pump-out station. Referred to Marina program 6/27/16. Marina program referred to local health 7/5/16.	NA	Dwelling	N	Private residence and pier.	Norfolk	OPWBAM	0	0	0		IG
6572	66	11	6/27/2016	BOATING ACTIVITY	36.93777698	-76.30222187	Little Bay Landing Condos, 585 West Ocean View Avenue, Norfolk, VA 23503	Private Marina for condominium. Electricity provided. Exemption from pump out and dump station requirements.	NA	Dwelling	N	Private residence and pier.	Norfolk	Marina	7	1	0	N	IG
774	66	12	6/20/2016	BOATING ACTIVITY	36.95422546	-76.31077812	United States Naval Station REC Sailing, 1025 A Winged Foot Court, Norfolk, VA 23503	Solid waste containers, boat holding tank pump out provided. On shore sanitary facilities include male and female full restrooms discharging to HRSD.	NA	Marine	N	Military facility, requires special permission to access.	Norfolk	Marina	200	26	40	N	IG

SUMMARY

Growing Area # 066
Hampton Roads: Tanner Point to Willoughby Bay
22 November 2016

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 1 – DIRECT – # 14
- 0 – INDIRECT – None.
- 1 – B.1. TOTAL

2. ON-SITE SEWAGE DEFICIENCIES – Correction of the 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.
- 0 – CP (Kitchen or Laundry Wastes), INDIRECT – None.
- 0 – NO FACILITIES, DIRECT – None.
- 0 – NO FACILITIES, INDIRECT – None.
- 0 – 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

- 3 – DIRECT – # 4, 13, 15
- 1 – INDIRECT – # 16
- 4 – C.1. TOTAL

2. SOLID WASTE SITES

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

SECTION D: BOATING ACTIVITY

- 5 – MARINAS – # 2, 3, 8, 11, 12
- 4 – OTHER PLACES WHERE BOATS ARE MOORED – # 5, 6, 9, 10
- 1 – UNDER SURVEILLANCE – # 1
- 10 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

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

