



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

Marizza 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

LITTLE CREEK
Growing Area # 068
Shoreline Sanitary Survey
Cities of Norfolk and Virginia Beach

Date: 30 November 2016
Survey Period: September 16 - October 21, 2016
Total Number of Properties Surveyed: 11
Surveyed by: L.M. Sakach

SECTION A: GENERAL

This survey area extends from Reference Point 69 at the western jetty of Little Creek Channel entrance to Reference Point 70 at the eastern jetty of Little Creek Channel entrance including Little Creek and all of its tributaries, Desert Cove and Little Creek Cove.

The topography of the area is low and flat ranging from 0-10'. The population is dense and all properties are served by Hampton Roads Sanitation District. The portion of the survey area extending south and east of Little Creek Channel to the survey boundary is comprised of the Little Creek Naval Amphibious Base and HRSD Treatment Plant. All properties within the survey boundary are served by HRSD public sewage system. The plant discharge is located offshore of the Naval Amphibious Base however an emergency discharge is located within Little Creek Cove. A high concentration of both recreational and military boating activity exists in Little Creek. Full service marinas are located adjacent to and east of the Route 60 (Shore Drive). The economy of the area is predominantly based on surrounding industrial, military and tourism activity.

Meteorological data indicated that 9.39" of rain fell from September 16-30, 2016 and 9.14" of rain fell from October 1-21, 2016 for a total of 18.53" of rain during the length of the survey period.

The current restriction on shellfish harvesting is Condemned Shellfish Area # 068-017, Little Creek. 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/.

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 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. Copies of VPDES Permits and inspections are available at the Department of Environmental Quality, Tidewater Regional Office (DEQ/TRO).

SECTION B: SEWAGE POLLUTION SOURCES

OBJECTID	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
943	68	L11	SEWAGE TREATMENT FACILITY, direct	36.90795656	-76.16395150	5332 Shore Drive, Virginia Beach, VA 23455	DEQ discharge permit # VA0081264. Clean Water Act inspection date 7/31/2015.	Business	N	Chesapeake-Elizabeth Wastewater Treatment Plant, Hampton Roads Sanitation District, 1436 Air Rail Avenue, Virginia Beach, 23455	Virginia Beach	LS

SECTION C: NONSEWAGE WASTE SITES

OBJECTID	GA #	Field #	Deficiency or Pollution Type	Latitude	Longitude	Address	Pollutant Remarks	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
942	68	L10	INDUSTRIAL WASTES, direct	36.91364568	-76.18631330	1517 Amphibious Drive, Virginia Beach, 23455	DEQ discharge permit # VA0079928. Clean Water Act inspection date 9/15/2016.	Business	Y	Little Creek Cove Marina - marina under construction.	Virginia Beach	LS

SUMMARY

Growing Area # 068
Little Creek
30 November 2016

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 1 – DIRECT – # 11
- 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

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

2. SOLID WASTE DUMPSITES

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

SECTION D: BOATING ACTIVITY

- 10 – MARINAS – # 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
- 0 – OTHER PLACES WHERE BOATS ARE MOORED – None
- 0 – UNDER SURVEILLANCE – None
- 10 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

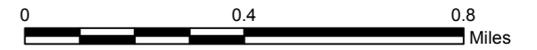
- 0 – DIRECT – None
- 0 – INDIRECT – None
- 0 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Little Creek
068
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Legend

Seawater Sampling Stations

- Active (Blue diamond)
- Inactive (Yellow diamond)

Sewered areas (Hatched box)

DGIF Boat Ramps (Blue circle)

Shoreline Survey Deficiencies

- 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)
- Industrial Wastes, Indirect (Black circle)
- Solid Waste Dumpsite - Direct (Red circle)
- Solid Waste Dumpsite - Indirect (Black circle)
- Boating Activity (Blue anchor)
- Contributes Animal Pollution - Direct (Red triangle)
- Contributes Animal Pollution - Indirect (Black triangle)

