



# COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
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**CAPE HENRY**  
**Growing Area # 072**  
**City of Virginia Beach**  
**Shoreline Sanitary Survey**

**Date:** 13 April 2011  
**Survey Period:** March 8-18, 2011  
**Total Number of Properties Surveyed:** 33  
**Surveyed By:** J.D. Dickerson

## **SECTION A: GENERAL**

This survey area extends from Reference Point 73 at the east end of the Lesner Bridge crossing Lynnhaven Inlet to Reference Point 74 at the southern boundary of Fort Story, including all of the southern Chesapeake Bay and Atlantic Ocean shorelines between these two points.

The topography of the survey area is generally low and flat with elevations ranging from 10-15'. Gentle hills and dunes in Seashore State Park and on Fort Story may reach heights of 30-50'. Low swamps, marshes and wetlands are found throughout the park and in sections of the fort. The survey area north of Shore Drive and east to Seashore State Park is a mix of commercial and residential use and is served by Hampton Roads Sanitation District (HRSD) public sewerage system. This area includes a public beach and is popular for seasonal activities such as fishing and boating. Seashore State Park includes a Visitor Center, a large campground complex, 20 rental cabins, 5 employee residences and several restroom facilities. All properties located on the state park are served by on-site sewage disposal systems. All systems are serviced every 5 years to meet the Chesapeake Bay Act requirements.

Meteorological data indicated that 0.71" of rain fell during the ten day survey period.

Fort Story Military Reservation has been classified as an industrial waste site in this survey because of one VPDES discharge permit issued by the Virginia Department of Environmental Quality. VPDES permit # VA0031917 covers the discharge of process water from reverse osmosis water purification units used on the base as well as the discharge of storm water and wash down runoff from various sites throughout the facility.

All equipment and vehicles on the base are now required to be washed at two central washing facilities. The discharge of storm water and wash down runoff is permitted through three point source outfalls. Reverse osmosis process water is produced by truck mounted water treatment units used in various training exercises and is permitted to be discharged to the Atlantic Ocean and Chesapeake Bay coastal basins. There are no point source outfalls for this process. Also within Fort Story are several above ground storage tanks at various locations throughout the base. All tanks consist of double walled construction and are surrounded by concrete berms to

contain any spills. All sewage on the base is collected through a series of pump stations and drains to the HRSD collection system for final treatment at the Chesapeake-Elizabeth Wastewater Treatment Plant.

Information about industrial waste sources at Fort Story was obtained from Ms. Sharon Waligora, Environmental Officer for JEB (Joint Expeditionary Base) Little Creek-Fort Story. Information concerning Seashore State Park was obtained from Mr. Erik Molleen, District Resource Specialist for the Virginia Department of Conservation and Recreation.

Copies for Bacteriological, Hydrographic and Shellfish closure data are available at the Norfolk office for review. Copies of the current condemnation notices and maps are available via the internet at <http://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**

-None-

### **ON-SITE SEWAGE DEFICIENCIES**

1. First Landing State Park, 2500 Shore Drive, Virginia Beach 23451. State park campground. 15-20 employees. 2" white PVC pipe is broken allowing rainwater and foreign debris from entering septic system. Bathhouse located adjacent to campsite # 27 along beachside frontage road.

## **SECTION C: NON-SEWAGE WASTE SITES**

### **INDUSTRIAL WASTE**

2. First Landing State Park Maintenance Headquarters, 2500 Shore Drive, Virginia Beach 23451. Storage and staging area for maintenance crew and equipment. Located on south side of Shore Drive near ranger residences. Observed at time of survey was 1 x 750 gallon diesel fuel tank inside metal containment vessel. Fuel is used for motorized maintenance equipment.
3. ***DIRECT*** – Joint Expeditionary Base-Fort Story, 300 Guadalcanal Road, Virginia Beach 23459. U.S. Navy installation. Facility has VPDES permit # VA0031917 from Virginia Department of Environmental Quality for the discharge of storm water and wash down water from various activities through 3 outfalls. Facility is also permitted to discharge reverse osmosis waste water associated with truck mounted water filtration units. Also on base there are 11x550 gallon above ground storage tanks used for recycled oil and heating fuel. All of these tanks consist of double walled construction and are surrounded by concrete containment berms to prevent spills.

**SOLID WASTE DUMPSITES**

-None-

**SECTION D: BOATING ACTIVITY**

-None-

**SECTION E: CONTRIBUTE ANIMAL POLLUTION**

-None-

## SUMMARY

Area # 072  
Cape Henry  
13 April 2011

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

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

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

- 0 – CONTRIBUTES POLLUTION, DIRECT – None
- 1 – CONTRIBUTES POLLUTION, INDIRECT – # 1
- 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
- 1 – 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 – # 3
- 1 – INDIRECT – # 2
- 2 – C.1. TOTAL

#### 2. SOLID WASTE DUMPSITES

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

### SECTION D: BOATING ACTIVITY

- 0 – MARINAS – None
- 0 – OTHER PLACES WHERE BOATS ARE MOORED – None
- 0 – UNDER SURVEILLANCE – None
- 0 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

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



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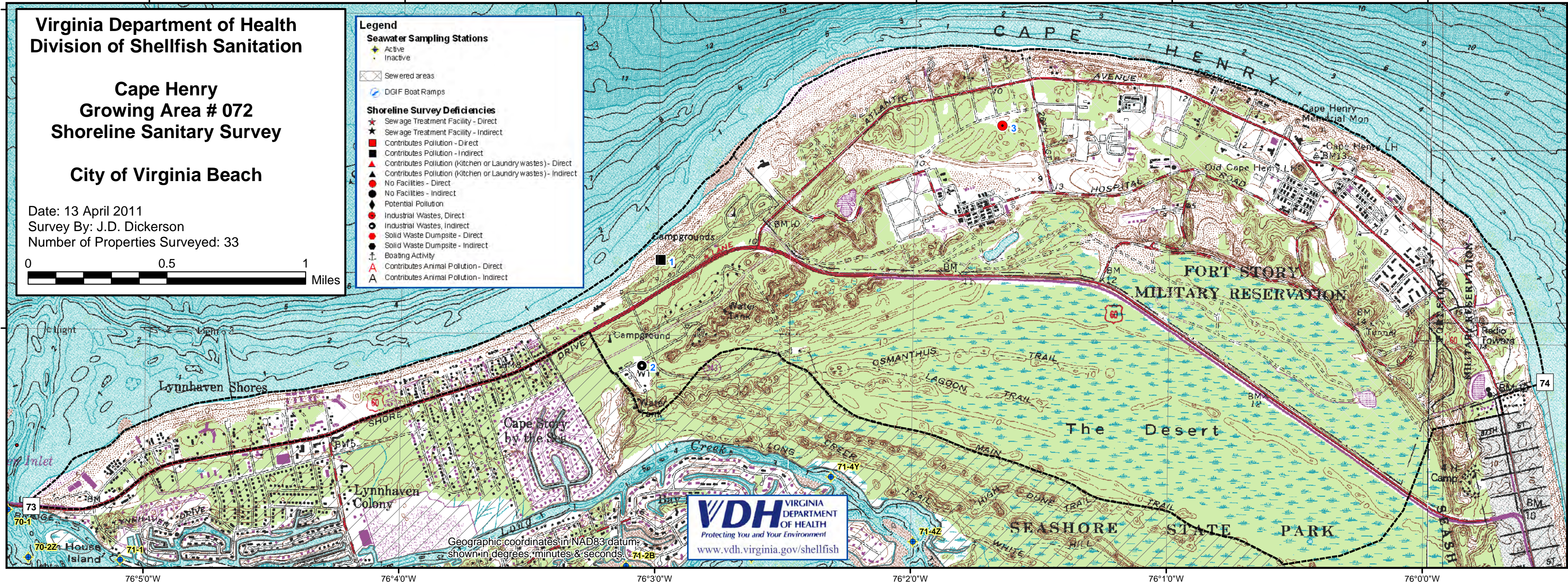
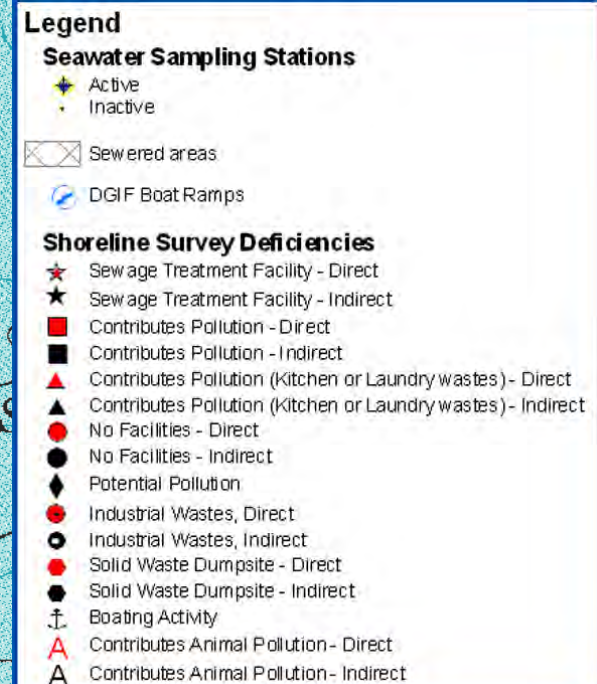
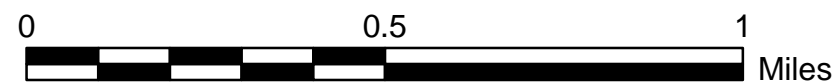
Cape Henry  
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Geographic coordinates in NAD83 datum;  
shown in degrees, minutes & seconds.