



# COMMONWEALTH of VIRGINIA

Department of Health  
Division of Shellfish Safety

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## FISHERMAN'S ISLAND Growing Area # 092 Northampton County Shoreline Sanitary Survey

**Date:** 8 October 2019

**Survey Period:** July 17 2019 through September 26 2019

**Total Number of Number of Properties Surveyed and Samples Analyzed:** 1

**Total Number of Near Shore Samples Analyzed:** 38

**Surveyed By:** R.C. Snead and B.T. Charnock

### SECTION A: GENERAL

This survey area consists of Fisherman's Island, including the Isaacs and Adams Island sections, and all other islands in close proximity. The island is approximately 1 mile south of Wise Point at the southern tip of Cape Charles and at the northern mouth of the Chesapeake Bay. There are no reference points since the island is self-contained. It is adjacent to the Atlantic Ocean, Chesapeake Bay, Smith Island Inlet, and Fisherman's Inlet.

The topography of the area is characterized by extensive low sand and marsh sections with elevations of less than 5' along the shoreline and rising to a maximum of 10' along the corridor supporting the Chesapeake Bay Bridge-Tunnel and some scattered dunes.

Meteorological data indicated that 9.28" of rain fell during the survey period, taken from NOAA rainfall station 92-3. The monthly breakdown is as follows:

July 17-31	2.38"	August	5.08"	September 1-26	1.82"
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Fisherman's Island is part of the Eastern Shore of Virginia National Wildlife Refuge. There is an old abandoned hunt cabin on the island that is no longer habitable.

Nearshore seawater stations were established to survey the full extent of waters beyond routine classification stations. Stations were created in closer proximity to the shoreline and farther upstream than routine stations and are intended to evaluate drainage entry points of potential pollution sources. Station data were analyzed to compare relative concentrations of Enterococcus fecal indicator bacteria within the waterway to identify potential onshore sources of contamination. Areas with elevated concentrations of fecal indicator bacteria were surveyed onshore using a property-by-property approach. Surveyors interviewed occupants and examined properties for evidence of pollution sources within the immediate watershed. Hydrographic data, sampling times and range of enterococcus concentrations measured are shown in the table below.

Sample Date	Run #	High Tide	Low Tide	Enterococcus range (MPN/100ml)	Day of	Previous 24 hours	Previous 7 days
7-17-2019	1	9:32am	3:30pm	<10 - 63	0.09"	0.00"	1.13"
9-26-2019	2	6:39am	12:52pm	<10 - 20	0.00"	0.00"	0.00"

Currently there are no shellfish condemnations effective in this Growing Area, but if there were, copies of the condemnation notices and maps are available via the Internet at [www.vdh.virginia.gov/shellfish/](http://www.vdh.virginia.gov/shellfish/). Information in this report is gathered by and primarily for the use of the Division of Shellfish Safety, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. However, the data is made available to various agencies participating in shellfish program coordinated activities and other interested parties.

This report lists only those properties which 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 Safety and are available for reference until superseded by a subsequent resurvey of the area.

**SECTION B: SEWAGE POLLUTION SOURCES**

**SEWAGE TREATMENT FACILITIES**

-None-

**ON SITE SEWAGE DEFICIENCIES**

-None-

**POTENTIAL POLLUTION**

-None-

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

**INDUSTRIAL WASTES**

-None-

**SOLID WASTE DUMPSITES**

-None-

**SECTION D: BOATING ACTIVITY**

**MARINAS**

-None-

**OTHER PLACES WHERE BOATS ATIE MOORED**

-None-

**UNDER SURVEILLANCE**

-None-

**SECTION E: CONTRIBUTES ANIMAL POLLUTION**

-None-

## SUMMARY

Growing Area # 092  
Fisherman's Island  
8 October 2019

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

0 – DIRECT – None

0 – INDIRECT – None

0 – 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

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 – 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

0 – DIRECT – None

0 – INDIRECT – None

0 – TOTAL

#### 2. SOLID WASTE DUMPSITES

0 – DIRECT – None

0 – INDIRECT – None

0 – TOTAL

#### 3. STORMWATER OUTFALLS

0 – DIRECT – None.

0 – INDIRECT – # F3, F4

0 – E. TOTAL

### SECTION D: BOATING ACTIVITY

0 – MARINAS – None

0 – OTHER PLACES WHERE BOATS ARE MOORED – None

0 – UNDER SURVEILLANCE – None

0 – TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None

0 – INDIRECT – None

0 – TOTAL

75°58'30"W

75°57'0"W

37°7'30"N

37°7'30"N

37°6'0"N

37°6'0"N

75°58'30"W

75°57'0"W

# Virginia Department of Health Division of Shellfish Sanitation

## Fisherman's Island # 092 Shoreline Sanitary Survey

### Northampton County

Date: 8 October 2019

Survey By: R.C. Snead & B.T. Charnock

Number of Properties Surveyed: 1

Number of Near Shore Samples Analyzed: 38



**Legend**

**Seawater Sampling Stations (History)**

- Active (Blue diamond)
- Inactive (Red circle)

**Sewered Areas**

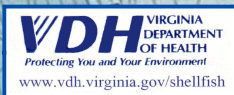
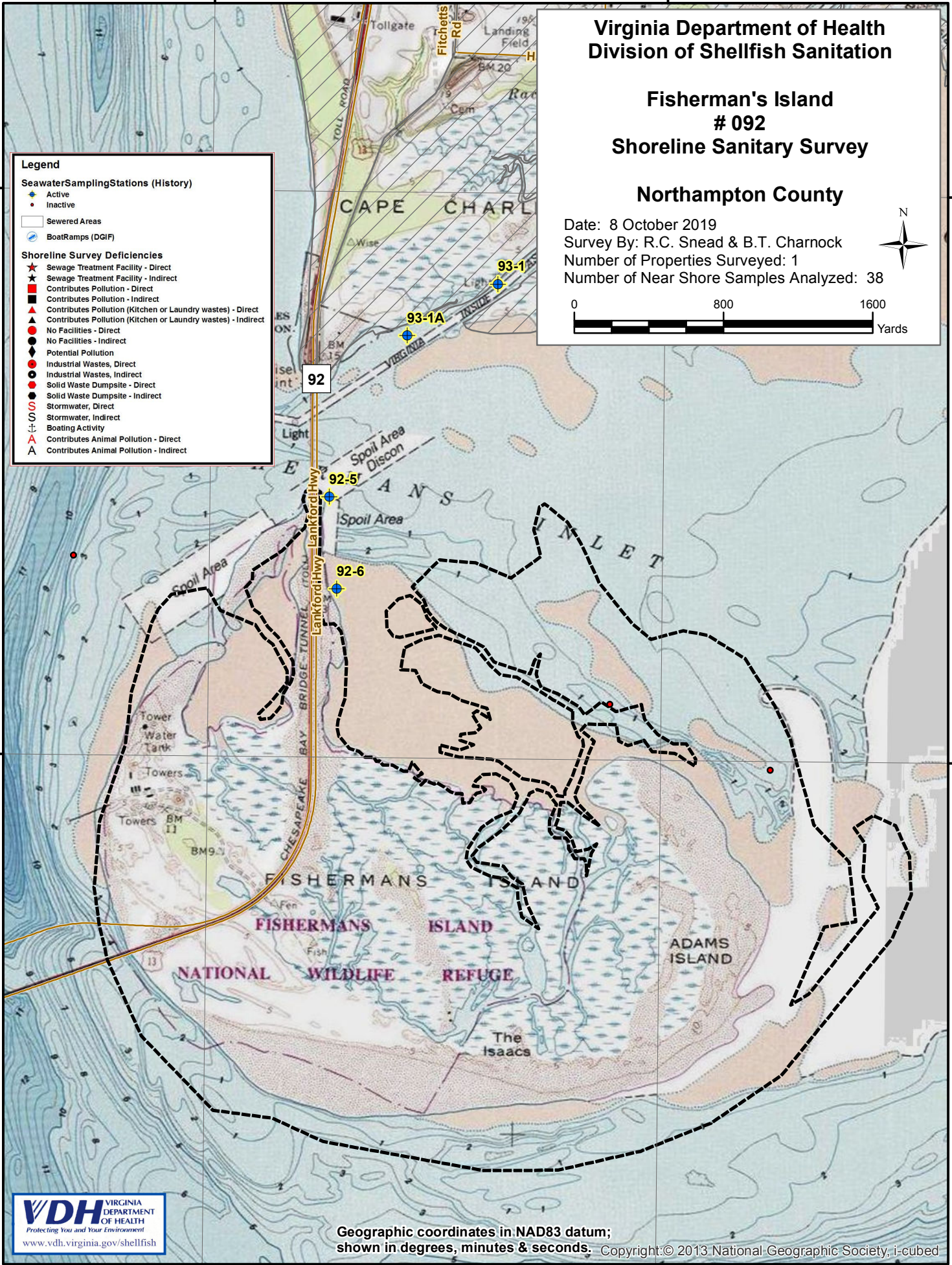
- Sewered Areas (White outline)

**Boat Ramps (DGIF)**

- Boat Ramps (Blue circle)

**Shoreline Survey Deficiencies**

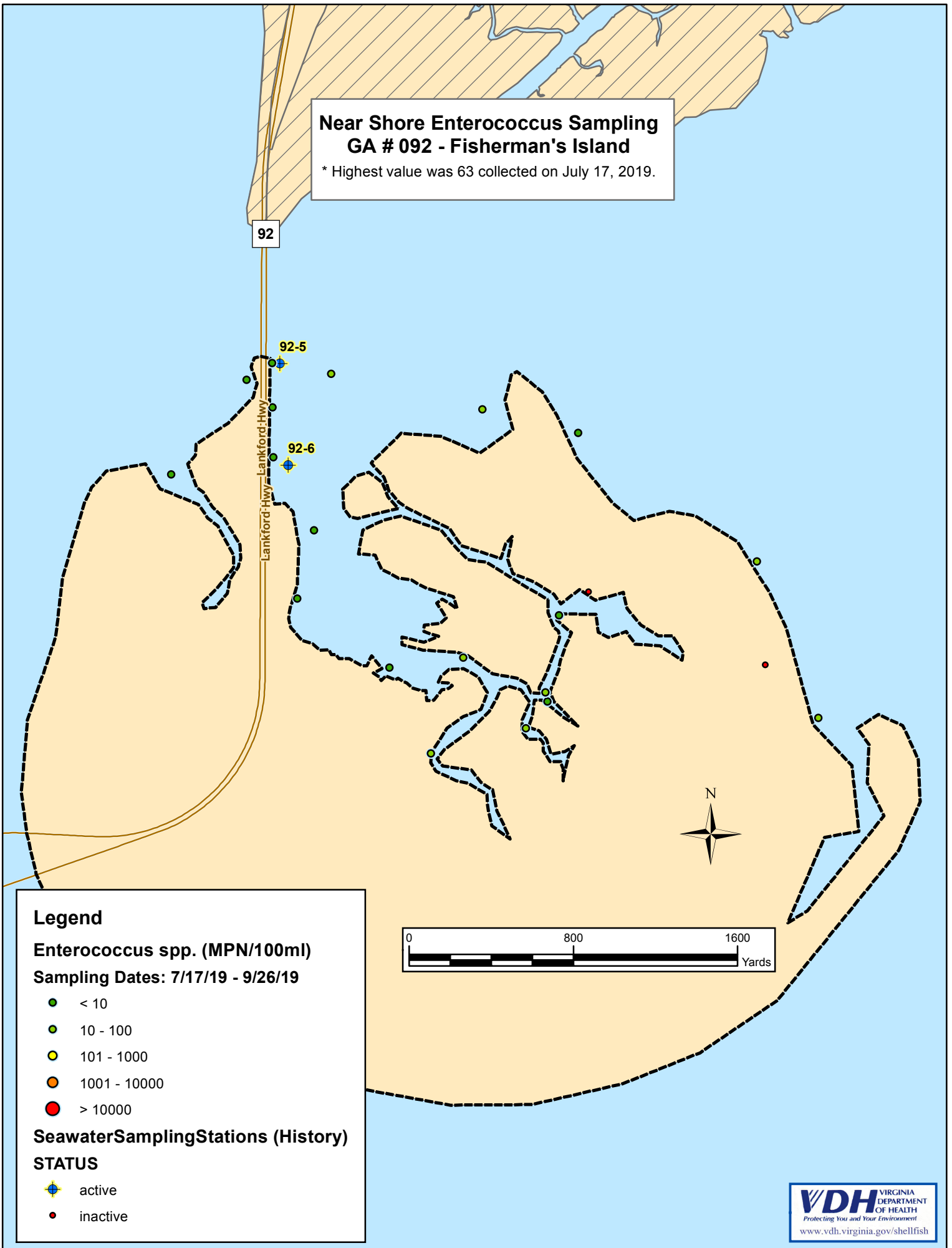
- Sewage Treatment Facility - Direct (Red star)
- Sewage Treatment Facility - Indirect (Black star)
- Contributes Pollution - Direct (Red square)
- Contributes Pollution - Indirect (Black square)
- Contributes Pollution (Kitchen or Laundry wastes) - Direct (Red triangle)
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect (Black triangle)
- No Facilities - Direct (Red circle)
- No Facilities - Indirect (Black circle)
- Potential Pollution (Black diamond)
- Industrial Wastes, Direct (Red circle)
- Industrial Wastes, Indirect (Black circle)
- Solid Waste Dumpsite - Direct (Red circle)
- Solid Waste Dumpsite - Indirect (Black circle)
- Stormwater, Direct (Red 'S')
- Stormwater, Indirect (Black 'S')
- Boating Activity (Red anchor)
- Contributes Animal Pollution - Direct (Red 'A')
- Contributes Animal Pollution - Indirect (Black 'A')



Geographic coordinates in NAD83 datum; shown in degrees, minutes & seconds. Copyright © 2013 National Geographic Society, i-cubed

**Near Shore Enterococcus Sampling  
GA # 092 - Fisherman's Island**

\* Highest value was 63 collected on July 17, 2019.



**Legend**

**Enterococcus spp. (MPN/100ml)**

**Sampling Dates: 7/17/19 - 9/26/19**

- < 10
- 10 - 100
- 101 - 1000
- 1001 - 10000
- > 10000

**Seawater Sampling Stations (History)**

**STATUS**

- ◆ active
- inactive