



**COMMONWEALTH of VIRGINIA**  
**DEPARTMENT OF HEALTH**  
**DIVISION OF SHELLFISH SANITATION**

*M. Norman Oliver, MD, MA*  
*State Health Commissioner*

*109 Governor Street, 6<sup>th</sup> Floor*  
*P.O. Box 2448*  
*Richmond, Virginia 23218*

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

**SEASIDE: METOMPKIN, GARGATHY AND KEGOTANK BAYS**  
**Growing Area # 098**  
**Accomack County**  
**Shoreline Sanitary Survey**

**Date:** 11 October 2018

**Survey Period:** June 22, 2017 – October 10, 2018

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

**Number of Properties and Near Shore Samples Collected:** 197

**SECTION A: GENERAL**

This survey area extends from Reference Point 97 on Route 662 at Battle Point to Reference Point 98 on Route 772 at the first prominent point south of Roman Rock, including the Atlantic Ocean shoreline between these two points, Metompkin Bay, Parker Creek (North Fork), Bundick Creek, Crippen Creek, Wire Passage, Poplar Creek, Deep Creek, Trout Creek, Gargathy Bay, Shipping Creek, Whites Creek (Mutton Hunk Branch), cutoff Creek, Gargathy Creek, Dr. Jack Gut, Big Gut, Gargathy Inlet, First Creek, Kegotank Creek, Lucas Creek and Kegotank Bay and all of their tributaries.

The topography of the area is characterized by ocean front barrier islands along the Atlantic Ocean with tidal marshes and a network of shallow bays and creeks between them and the mainland. Elevations in the area rise gradually from 5' around the shoreline to a maximum of 45' at the western edge of the survey boundary. The economy is based primarily on agriculture and the seafood industry with some dependence upon Perdue Farms, Inc., the county's largest employer. The population is generally sparse with the exception of the area around Metompkin. According to a 2017 US Census Bureau study shows an estimated population of 32,545 for Accomack County. Developments on Gargathy and Parker Creeks have yielded only moderate construction to date.

Meteorological data indicated that the area received a total rainfall of 55.52" for the survey period from June 22, 2017 through October 10, 2018. A monthly breakdown is as follows:

June 22-30, 2017	0.22"	November	0.90"	March	3.19"	July	5.30"
July	4.57"	December	2.07"	April	1.86"	August	2.38"
August	8.97"	January 2018	3.59"	May	4.97"	September	4.47"
September	1.98"	February	1.83"	June	4.55"	October 1-10	0.00"
October	4.67"						

At the beginning of the survey, inspectors reviewed the available literature from prior reports, public works and online resources to characterize land use, drainage patterns, and

established nearshore seawater stations. Properties identified in the previous survey as having sanitary deficiencies or other environmental significance were revisited to evaluate their current status. All roadways and navigable shoreline within the survey boundary were visually inspected to identify potential pollution sources requiring further investigation.

Nearshore seawater stations were established to survey the full extent of waters inland of 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 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 and Tidal stages are shown in the table below. Maps of the enterococcus sampling are shown at the conclusion of this report.

Sample Dates	Run#	High Tide	Low Tide	Previous 24 hours	Previous 48 hours	Previous 72 hours
6-22-17	1	7:51 AM	1:58 PM	0.00	0.37	0.70
8-24-17	1	11:33 AM	5:42 PM	0.00	0.06	0.06
10-19-17	1	9:15 AM	3:32 PM	0.00	0.00	0.00
12-5-17	1	9:56 AM	4:20 PM	0.00	0.00	0.00
2-28-18	1	7:25 AM	1:47 PM	0.00	0.02	0.11
3-8-18	2	1:40 PM	7:52 PM	0.00	0.74	1.01
5-2-18	2	11:24 AM	5:21 PM	0.00	0.00	0.00
5-21-18	2	2:58 PM	9:06 PM	0.02	0.03	0.34
6-29-18	2	10:31 AM	4:26 PM	0.00	0.00	0.00
8-29-18	2	11:38 AM	5:42 PM	0.00	0.00	0.00
8-30-18	2	12:19 PM	6:27 PM	0.00	0.00	0.00

Copies of Bacteriological and Shellfish Closure data are available at the area office for review. This report lists only those properties that have a sanitary deficiency or other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Data in this 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).

Copies of the current condemnation notices and maps are available via the Internet at [www.vdh.virginia.gov/shellfish/](http://www.vdh.virginia.gov/shellfish/).

[illegible]

## SECTION C: NONSEWAGE WASTE SITES

[illegible]

## SECTION D: BOATING ACTIVITY

[illegible]

## SECTION E: CONTRIBUTES ANIMAL POLLUTION

[illegible]

## SUMMARY

Growing Area # 098  
Seaside: Metompinkin, Gargathy and Kegotank Bays  
11 October 2018

### SECTION B: SEWAGE POLLUTION SOURCES

#### 1. SEWAGE TREATMENT FACILITIES

2 – DIRECT – # T108, T109

0 – INDIRECT – None

2 – 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

1 – CP (Kitchen or Laundry Wastes), DIRECT – # T110

0 – CP (Kitchen or Laundry Wastes), INDIRECT – None

2 – NO FACILITIES, DIRECT – # T86, T87

0 – NO FACILITIES, INDIRECT – None

3 – 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 WASTES SITES

#### 1. INDUSTRIAL WASTE SITES

0 – DIRECT – None

0 – INDIRECT – None

0 – TOTAL

#### 2. SOLID WASTE DUMPSITES

0 – DIRECT – None

0 – INDIRECT – None

0 – C.2. TOTAL

### SECTION D: BOATING ACTIVITY

0 – MARINAS – None

4 – OTHER PLACES WHERE BOATS ARE MOORED – # T67, T69, T70, T71

0 – UNDER SURVEILLANCE – None

4 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT – # T72

0 – INDIRECT – None

1 – TOTAL

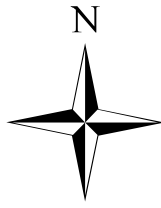


Virginia Department of Health  
Division of Shellfish Sanitation

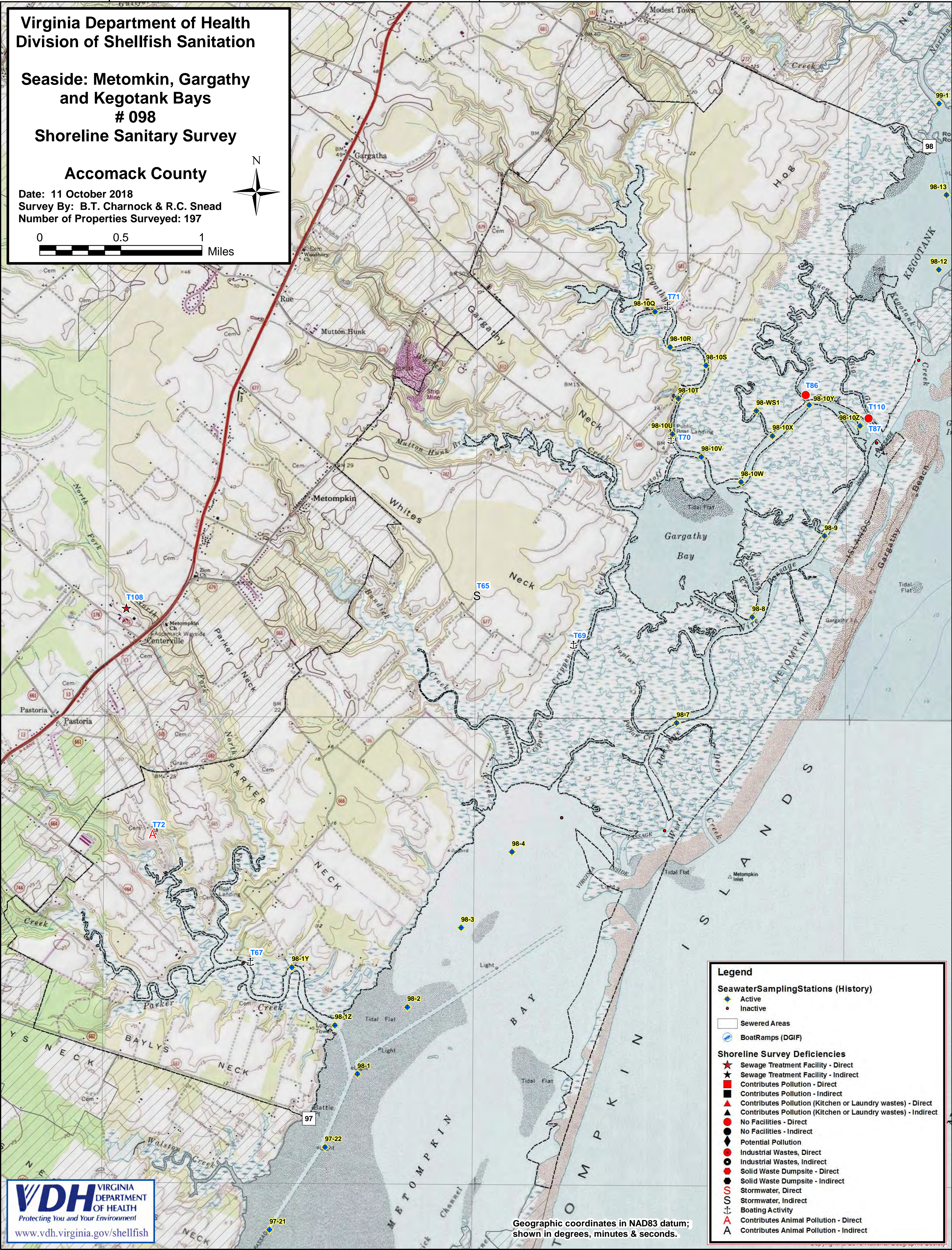
Seaside: Metomkin, Gargathy  
and Kegotank Bays  
# 098  
Shoreline Sanitary Survey

Accomack County

Date: 11 October 2018  
Survey By: B.T. Charnock & R.C. Snead  
Number of Properties Surveyed: 197



0 0.5 1 Miles



Legend

SeawaterSamplingStations (History)

- Active
- Inactive
- Sewered Areas
- BoatRamps (DGIF)

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
- Stormwater, Direct
- Stormwater, Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

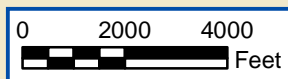
Geographic coordinates in NAD83 datum;  
shown in degrees, minutes & seconds.



**GA # 098 - Seaside:  
Metomkin, Gargathy, and Kegotank Bays  
Enterococcus Sampling  
June 22, 2017 - August 30, 2018**

\* Highest value was 3873 collected on  
October 19, 2017.

# 099  
Seaside: Bogues  
and Shells Bays



# 098  
Seaside: Metomkin, Gargathy  
and Kegotank Bays

# 097  
Seaside: Finney  
and Folly Creeks

**Legend**

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

- 0 - 10
- 11 - 100
- 101 - 1000
- 1001 - 10000
- > 10001