

COMMONWEALTH of VIRGINIA DEPARTMENT OF HEALTH DIVISION OF SHELLFISH SANITATION

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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:

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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	Run#	High Tide	Low Tide	Previous	Previous	Previous
Dates				24 hours	48 hours	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/.

SECTION B: SEWAGE POLLUTION SOURCES

	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	Date of Correction	Correction Notes
345	s 98	T108		SEWAGE TREATMENT FACILITY, direct	37.7596	-75.6226	26181 Parksley Road, Parksley, VA 23421	Shore Life Care at Parksley. Private Nursing Home. VPDES Permit # VA0063606. Design flow 0.013 MGD. Treatment facility consists of an equalization basin, an extended aeration package treatment plant, chlorination, dechlorination and post-aeration.	Alt	Business	N	Final effluent is designed to discharge into the North Fork of Parker Creek. Owner Address: Accomack Health Investors LLC, 4423 Pheasant Ridge Road, Suite 301, Roanoke, VA 24014	Accomack County	тс		
34€	s 98	T109	10/11/2018	SEWAGE TREATMENT FACILITY, direct	37.7369	-75.6581	22520 Lankford Highway, Accomac, VA 23301	Perdue Farms LLC VPDES Permit # VA0003808. Average flow of 2.1 MGD. Treatment facility consists of an anaerobic lagoon, thermo kinetic unit, lime slurry, 2 activated sludge aeration tanks, clarifier, floatation thickening unit, sludge holding pond, post aeration unit, U. V. disinfectant system, recycle pond and a Parshall Flume.	Alt	Business	N	Final effluent is designed to discharge into Parker Creek. The most recent OWP/DEQ inspection is available upon request. This facility is located outside of the revised survey boundary, but it has a direct impact on the headwaters of Parker Creek. Owner: Perdue Farms LLC, 31149 Old Ocean City Road, Salisbury, MD 21804	Accomack County	тс		
4538	₃ 98	T110	10/10/2018	CONTRIBUTES POLLUTION (kitchen or laundry wastes), direct	37.7772		"Big Gut" (Just inside Gargatha Inlet), Bloxom, VA 23308	Kitchen waste discharged directly in to marsh.	NA	Dwelling	N		Accomack County	TC		
4581	98	T86	10/10/2018	NO FACILITIES, direct	37.7791	-75.5463	"Dr. Jack Gut", Bloxom, VA 23308	Portable privy in outhouse.	NA	Dwelling	N		Accomack County	TC		
4585	98	T87	10/10/2018	NO FACILITIES, direct	37.7772	-75.5392	"Big Gut" (Just inside Gargatha Inlet), Bloxom, VA 23308	Portable privy in Out house.	Privy	Dwelling	N		Accomack County	тс		

SECTION C: NONSEWAGE WASTE SITES

	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
4530	98	T65	11/7/2017	STORMWATER, indirect	37.7609	-75.5832	IRoad, Parksley, VA	Gutter drain pipes running into ditch.	Onsite	Dwelling	N		Accomack County	

SECTION D: BOATING ACTIVITY

	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'	Evidence of Live- Aboards	DSS Staff
453	98	T67	11/30/2017	BOATING ACTIVITY	37.7281	-75.6084	Road Parksley VA	Single put in ramp with one L shaped dock.	NA	Marine	I N	County-owned single put in ramp and single dock. L shape.	Accomack County	OPWBAM	0	1	0	N	тс
453	₃ 98	T69	11/30/2017	BOATING ACTIVITY	37.7566	-75 5723	End of Crippen View,	190 yard by 65 yard L- shaped Community dock with portable privy.	Privy	Marine	I N	Community Dock (Ocean View POA) with portable privy.	Accomack County	OPWBAM	9	0	0	N	TC
453	98	T70	10/11/2018	BOATING ACTIVITY	37.7750	-75 5614	End of State Rt. 680, Parksley, VA 23421	Public boat ramp with 20yard dock.	NA	Marine	l N	County-owned public boat ramp with20yard dock.	Accomack County	OPWBAM	0	0	0	N	TC
453	∍ 98	T71	12/8/2017	BOATING ACTIVITY	37.7869	-75.5619	,	Boat ramp with L shape dock.	NA	Marine	l N	County-owned boat ramp with L shape dock.	Accomack County	OPWBAM	2	2	0	N	тс

SECTION E: CONTRIBUTES ANIMAL POLLUTION

	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
4536	98	T72	11/30/2017	CONTRIBUTES ANIMAL POLLUTION, direct	37.7394	-75 6195	26106 Johnson Road, Parksley, VA 23421	Farm with approximately 50+ cows, 15+ chickens about 50 yards from creek.		Agri	N		Accomack County	тс

SUMMARY

Growing Area # 098

Seaside: Metompkin, 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 DIFICIENCIES** 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
 - <u>0</u> 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
- <u>0</u> UNDER SURVEILLANCE None
- 4 D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 1 DIRECT # T72
- 0 INDIRECT -None
- 1 TOTAL



