



COMMONWEALTH of VIRGINIA
DEPARTMENT OF HEALTH
DIVISION OF SHELLFISH SANITATION

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SEASIDE: BOGUES AND SHELLY BAYS
Growing Area # 099
Accomack County
Shoreline Sanitary Survey

Date: 31 July 2019

Survey Period: September 25, 2018 – July 16, 2019

Surveyed By: B.T. Charnock, R.C. Snead W.I. Barrack III, & E.M. Yeargan

Number of Properties and Near Shore Samples Collected: 189

SECTION A: GENERAL

This survey area extends from Reference Point 98 at the most prominent point west of Roman Rock in Kegotank Bay and east of Rt. 772 to Reference Point 99 at the west end of the bridge over Black Narrows, including the Atlantic Ocean shoreline between these two points, northern Kegotank Bay (northern Kegotank Creek, northern Gargathy Inlet, First Creek), Northam Narrows (Northam Creek, Hog Neck Creek), Assawoman Creek (Assawoman Inlet, Houseboat Creek, Mud Narrows, Pettit Branch), Womans Bay, Arbuckle Creek, Oyster Bay, Hog Creek, Cat Creek (Little Cat Creek), Bogues Bay (Island Hole Narrows, Little Old Root Narrows, Kendall Narrows, Big Simoneaston Creek, Little Simoneaston Creek, Cedar Creek), Queen Sound Channel, Mud Bay (Mud Bay Gut), Wire Narrows, Chincoteague Channel, Black Narrows and all of their tributaries. The boundary has been revised. See map for current survey boundary.

The topography of the area is characterized by ocean front barrier islands, backed by marshlands and a network of shallow creeks and bays east of the main peninsula. Elevations along the shoreline are 5', rising to 25' along the creeks and tributaries and reaching a maximum of 45' at the western edge of the survey boundary. The economy is dependent upon agriculture and seafood traditionally, but has been bolstered in recent years by tourism, and increased activity at the NASA Wallops Island Space Port and U. S. Navy AEGIS facilities. Population distribution is generally sparse with only small concentrations around Temperanceville, Atlantic and Mappsville.

NASA – Wallops Island Sewage Treatment Works (STW) mentioned in previous shoreline survey reports has been closed since June of 1995. Sewage from Wallops Island is being pumped to another NASA-owned sewage treatment facility on the mainland. The effluent from this facility discharges into Little Mosquito Creek, located in shellfish Growing Area # 100.

Meteorological data indicated that the area received a total rainfall of 36.52" for the survey period. A monthly breakdown is as follows:

Sept.25-30, 2018	0.18"	January 2019	3.84"	May	3.40"
October	2.23"	February	4.70"	June	2.78"
November	4.58"	March	4.12"	July 1-16, 2019	3.02"
December	3.57"	April	4.10"		

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 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 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 Ebb current windows are shown in the table below. Maps of the Enterococcus sampling are shown at the conclusion of this report.

Area 99 Nearshore Sampling					Rainfall in Inches		
Sample dates	High Tide	Ebb Tide	Sampling time	Enterococcus range (MPN/100ml)	Day of	Previous 48 hours	Previous 72 hours
9/25/18	10:38AM	5:12AM	9:30-12:42	<10-754	0.03	0.29	0.29
9/26/18	11:18AM	5:48AM	10:33-12:23	<10-161	0.00	0.03	0.29
3/25/19	2:02PM	8:47AM	1:04-2:16	<10-20	0.02	0.02	0.02
6/3/19	10:28AM	5:09PM	11:32-12:54	<10-173	0.69	0.69	0.69
7/15/19	9:21AM	4:06PM	11:00-12:08	<10-31	0.00	0.00	0.00
7/16/19	10:05AM	4:49PM	10:34-12:26	<10-404	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 reports are 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 attached to the back of this report and also available via the internet at www.vdh.virginia.gov/shellfish/.

SECTION B: SEWAGE POLLUTION SOURCES

OBJECTID_1	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
18299	99	R15	5/13/2019	CONTRIBUTES POLLUTION, indirect	37.840529	-75.562710	29299 Chester Street, Mappsville, VA 23407	4 inch pvc pipe discharging to back yard.	Conv	Dwelling	N	One story Trailer.	Accomack	RS		
18294	99	R3	10/30/2018	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.812530	-75.563481	29299 Hopefully Road, Bloxom, VA 23308	Large hose spanning to empty lot to drain waste from house.	Conv	Dwelling	N	Two story tan asbestos siding.	Accomack	RS		
3998	99	R11	10/30/2018	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.845788	-75.557468	29477 Mappsville Road, Hallwood, VA 23359	Washing machine in back yard hooked to hose and drain pipe out to lawn.	Conv	Dwelling	Y	1 story yellow vinyl house.	Accomack	RS	11/20/2018	Washing machine removed from backyard.
18296	99	R12	11/30/2018	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.838900	-75.563028	14375 Chester Street, Mappsville, VA 23407	PVC pipe from trailer discharging to wet spot in yard.	Conv	Dwelling	N	One story white trailer.	Accomack	RS		
18297	99	R13	5/14/2019	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.839429	-75.563060	29296 Chester Street, Mappsville, VA 23407	PVC pipe discharging into lawn. White suds at end of pipe.	Conv	Dwelling	N	White one story trailer.	Accomack	RS		
18298	99	R14	5/13/2019	CONTRIBUTES POLLUTION (kitchen or laundry wastes), indirect	37.840569	-75.562381	14321 Chester Street, Mappsville, VA 23407	PVC draing to front yard.	Conv	Dwelling	N	One story yellow/tan trailer	Accomack	RS		
3343	99	R39	7/26/2019	NO FACILITIES, direct	37.886974	-75.484150	Powells Bay, Atlantic, VA 23303	Cabin's roof is starting to deteriorate. windows need repair. Appears inhabitable at this time. Owner says he has not stayed in cabin since owning it (7years).	NA	Dwelling	Y	Run down cabin in disrepair. Needs roof and window repair.	Accomack	TC	8/1/2019	Cabin uninhabitable and not in use, no pollution.
3344	99	R40	7/26/2019	NO FACILITIES, direct	37.875699	-75.476982	Taylor's Narrows, Atlantic, VA 23303	Cabin with poles deteriorating underneath it. Windows need repair. Looks inhabitable at this time.	Alt	Dwelling	Y	Old Cabin with poles rotting/washing away. Windows are knocked out. Looks inhabitable at this time. Owner verified it is not in use.	Accomack	TC	8/1/2019	Cabin uninhabitable and not in use, no pollution.
3988	99	R7	10/30/2018	NO FACILITIES, indirect	37.825536	-75.550838	15367 Metompinkin Road, Bloxom, VA 23308	No facilities.	NA	Dwelling	N	One story White House in poor condition.	Accomack	RS		

SECTION E: CONTRIBUTES ANIMAL POLLUTION

OBJECTID_1	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
3035	99	R26	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, direct	37.878519	-75.496058	33230 Taylor Farm Road, Temperanceville, VA 23442	20+ cattle near and in waters.	NA	Agri	N	White vinyl one story house.	Accomack	RS
3985	99	R1	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.808034	-75.550709	30215 Hopeland Road, Bloxom, VA 23308	2 horses	Conv	Dwelling	N	2.5 story white vinyl house with two large white barns with red roofs. 2 horses in large pasture with white fence.	Accomack	RS
3984	99	R2	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.812801	-75.563377	29299 Hopeland Road, Bloxom, VA 23308	50+ chickens	Conv	Dwelling	N	Two story tan asbestos sided house.	Accomack	RS
3987	99	R4	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.820833	-75.558796	16023 Metompkin Road, Bloxom, VA 23308	4 poultry houses. Waste disposal method Unknown. Permit # VPG250121-1	NA	Agri	N	Crooked Creek Farm. Four Poultry houses. Approximately 80,000 chicken capacity.	Accomack	RS
18295	99	R5	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.822077	-75.559646	16034 Metompkin Road, Bloxom, VA 23308	3 horses in pasture.	Conv	Agri	N	One story tan house.	Accomack	RS
3997	99	R8	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.842584	-75.539325	30506 Pettitt Road, Hallwood, VA 23359	2 horses in pasture. Manure disposal unknown.	NA	Dwelling	N	1.5 story tan viny house with 2 red barns.	Accomack	RS
4001	99	R9	10/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.853310	-75.544837	13366 Metompkin Road, Hallwood, VA 23359	Two poultry house with approximately 40,000 chickens. Permit # VPG250050-1	NA	Agri	N	Homestead Farm. Two poultry houses.	Accomack	RS
4003	99	R16	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.872128	-75.535923	12497 Metompkin Road, Temperanceville, VA 23442	4 poultry houses, approximately 80,000 chickens. Permit # VPG250094-1	NA	Agri	N	TL's Farm. Four poultry houses.	Accomack	RS
3062	99	R17	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.872978	-75.522615	12044 Atlantic Road, Assawoman, VA 23302	3 horses at time of inspection.	NA	Agri	N	Horse pasture with farm style horse shed.	Accomack	RS
3061	99	R18	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.876821	-75.525930	12075 Atlantic Road, Temperanceville, VA 23442	2 horses n pasture at time of inspection. Manure scattered on ground.	NA	Agri	Y	Green Horse sheds with two large pastures.	Accomack	RS
3059	99	R20	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.866481	-75.509234	32355 Wallops Island Road, Temperanceville, VA 23442	9 poultry houses. Approximately 200,000 chickens. Permit# VPG250060-1.	NA	Agri	N	9 poultry houses.	Accomack	RS
3038	99	R21	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.873322	-75.506433	Holland Farm Road, Temperanceville, VA 23442	5 poultry houses. Approximately 100,000 chickens. Permit # VPG250022-1 Manure piled and stored under a shed to prevent runoff.	NA	Agri	N	Bogue's Bay Farm. 5 poultry houses.	Accomack	RS
18300	99	R22	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.870038	-75.507253	32414 Holland Farm Road, Temperanceville, VA 23442	4 goats, 7 horses, and 17 hens.	NA	Dwelling	N	Two story light blue vinyl sided houses with fenced pasture in backyard.	Accomack	RS

SECTION E: CONTRIBUTES ANIMAL POLLUTION

OBJECTID_1	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
18301	99	R23	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.877636	-75.520533	11466 Atlantic Road, Assawoman, VA 23302	4 horses in pasture.	NA	Agri	N	Two story yellow house.	Accomack	RS
3037	99	R24	11/1/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.885040	-75.517495	11172 Atlantic Road, Temperanceville, VA 23442	Approximately 15 horses in fenced in pasture.	Conv	Agri	N	2 story brick house with green horse sheds.	Accomack	RS
3030	99	R27	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.887280	-75.501836	33048 Wisharts Point Road, Atlantic, VA 23303	Wisharts Point Farm. 6 poultry houses- approximately 120,000 chickens. Permit # VPG250157-001	NA	Agri	N	6 poultry houses.	Accomack	TC
4015	99	R28	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.901461	-75.511128	32304 Greta Road, Atlantic, VA 23303	3 poultry houses. Approximately 60,000 chickens. Permit # VAOC50005	NA	Agri	N	Brady Farm. 3 red poultry houses.	Accomack	TC
4014	99	R29	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.898989	-75.505609	10089 Atlantic Road, Atlantic, VA 23303	6 poultry houses. Approximately 140,000 chickens. Permit # VPG250156-001 Manure stored under covered shed.	NA	Agri	N	Thomas Farm. 6 white poultry houses.	Accomack	TC
18387	99	R31	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.912553	-75.477786	34142 Watts Bay Drive, Wallops Island, VA 23337	One horse in backyard.	Conv	Dwelling	N	Tan one and a half story. Vinyl siding.	Accomack	TC
18388	99	R32	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.919124	-75.486199	33411 Watts Bay Drive, Wallops Island, VA 23337	One horse in backyard pen.	NA	Dwelling	N	Two story tan vinyl house.	Accomack	TC
3032	99	R33	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.900793	-75.539435	10101 Jerusalem Road, Temperanceville, VA 23442	6 poultry houses. Manure stored in covered shed. Permit # VPG250158-001	NA	Agri	N	Chicken Bacon Ranch. 6 poultry houses.	Accomack	TC
3034	99	R35	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.889170	-75.542261	30327 Thornton Lane, Temperanceville, VA 23442	8 poultry houses. Manure stored in covered shed. Permit # VPG250053-1	NA	Agri	N	Brandy Sue Farms. 8 poultry houses.	Accomack	TC
3033	99	R36	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.887666	-75.543463	30330 Thornton Lane, Temperanceville, VA 23442	Approximately 25 cows in pasture adjacent to ditch draining to Assawoman creek. Manure left on ground.	NA	Dwelling	N	White, asbestos sided one story house.	Accomack	TC
4006	99	R37	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.884825	-75.544530	11182 Sand Street, Temperanceville, VA 23442	4 poultry houses. Manure stored in covered shed. Permit # VPG250042-1	NA	Agri	N	Rogers Farms. 4 Poultry houses.	Accomack	TC
4005	99	R38	11/29/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.882501	-75.543412	30491 Chester Road, Temperanceville, VA 23442	3 poultry houses. Manure stored under covered shed. Permit # VPG250091-1	NA	Agri	N	C&C Farms. 3 poultry houses.	Accomack	TC
4009	99	R52	7/25/2019	CONTRIBUTES ANIMAL POLLUTION, indirect	37.920478	-75.485378	3295 Atlantic Road, Wallops Island, VA 23337	Approximately 15 horses in fenced pastures.	NA	Agri	N	Two story tan vinyl house.	Accomack	TC

SUMMARY

Growing Area # 099
Seaside: Bogues and Shelly Bays
Date: 31 July 2019

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 – # R15
0 – CP (Kitchen or Laundry Wastes), DIRECT – None.
5 – CP (Kitchen or Laundry Wastes), INDIRECT – # R3, R11, R12, R13, R14
2 – NO FACILITIES, DIRECT – # R39, R40
1 – NO FACILITIES, INDIRECT – # R7
9 – 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

2 – DIRECT – # R30, R45
1 – INDIRECT – # R10
3 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

1 – DIRECT – # R34
0 – INDIRECT – None.
1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

0 – MARINAS – None.
2 – OTHER PLACES WHERE BOATS ARE MOORED – # W2, W5
3 – UNDER SURVEILLANCE – # W1, W3, W4
5 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

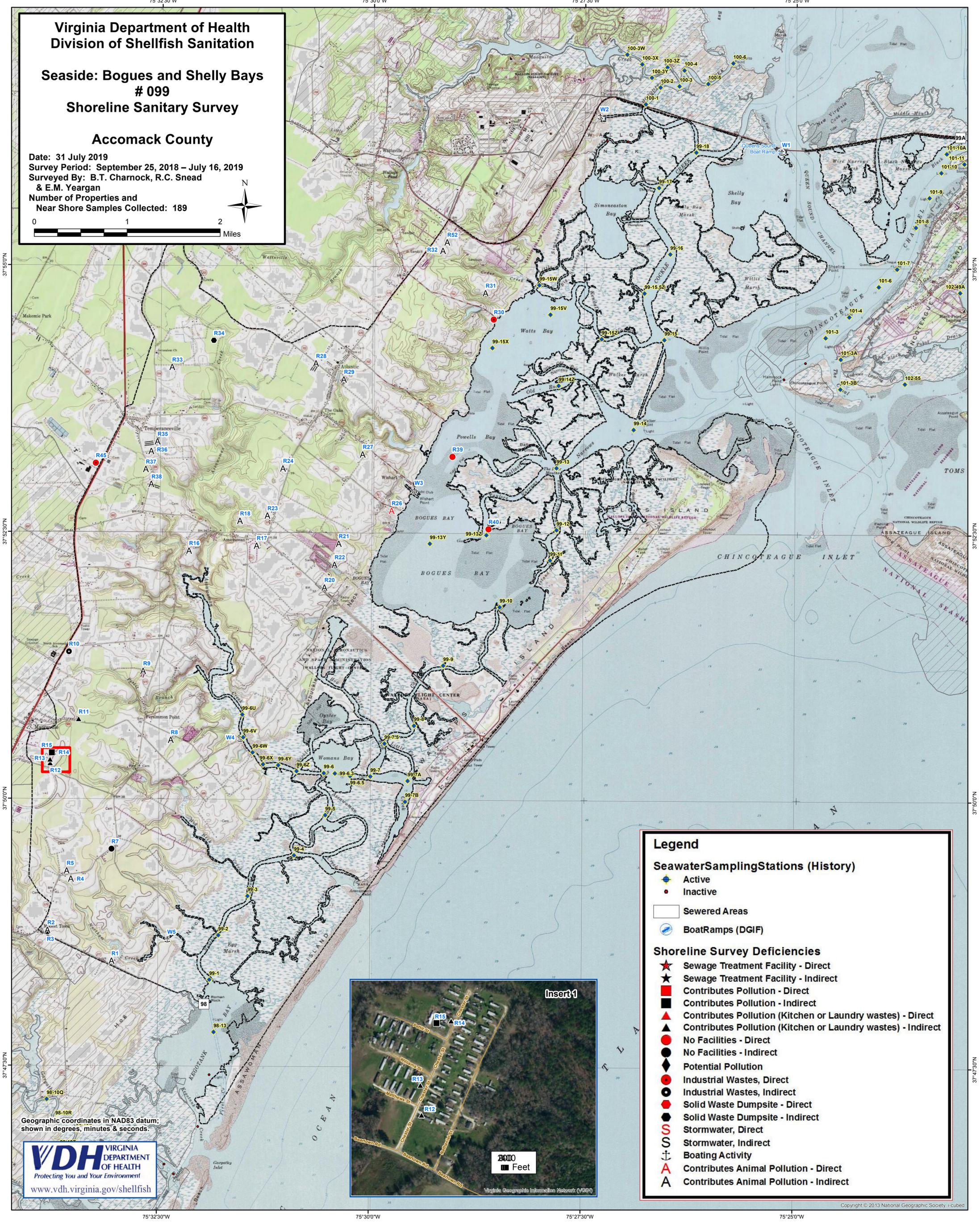
1 – DIRECT – # R26
25 – INDIRECT – # R1, R2, R4, R5, R8, R9, R16, R17, R18, R20, R21, R22, R23,
R24, R27, R28, R29, R31, R32, R33, R35, R36, R37, R38, R52
26 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Seaside: Bogues and Shelly Bays
099
Shoreline Sanitary Survey

Accomack County

Date: 31 July 2019
Survey Period: September 25, 2018 – July 16, 2019
Surveyed By: B.T. Charnock, R.C. Snead
& E.M. Yeargan
Number of Properties and
Near Shore Samples Collected: 189



Legend

Seawater Sampling Stations (History)

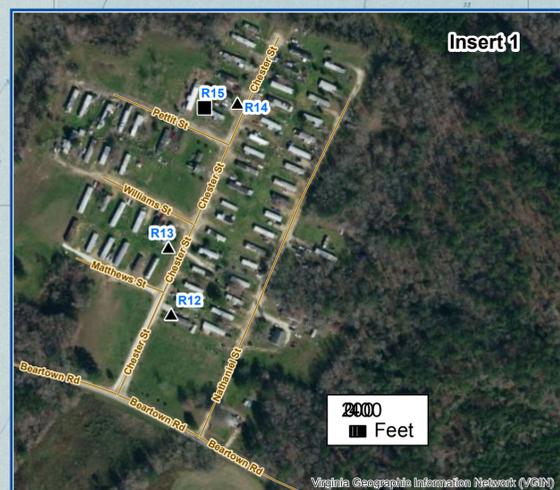
- Active (Blue diamond)
- Inactive (Red circle)

Other Symbols:

- Sewered Areas (White outline)
- Boat Ramps (DGIF) (Blue circle with 'A')

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
- S Stormwater, Direct
- S Stormwater, Indirect
- ⚓ Boating Activity
- A Contributes Animal Pollution - Direct
- A Contributes Animal Pollution - Indirect



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



Near-Shore Enterococcus Sampling Growing Area # 099 - Seaside: Bogues and Shells Bays Accomack County

* Highest value was .754 collected on September 25, 2018.

