

# COMMONWEALTH of VIRGINIA DEPARTMENT OF HEALTH DIVISION OF SHELLFISH SANITATION

109 Governor Street, 6th Floor P.O. Box 2448 Richmond, Virginia 23218

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

# STUTTS, QUEENS, AND WHITES CREEKS Growing Area # 037 Mathews County Shoreline Sanitary Survey

**Date:** 25 June 2018

**Survey Period:** January 18, 2018- May 10, 2018

Number of Properties Surveyed and Samples Analyzed: 343 Surveyed By: R.M. Thomas, W.A. McCarty III, & W.I. Barrack III

**SECTION A: GENERAL** 

This survey area extends from Reference Point 37 at Iron Point to Reference Point 38 at the end of Rt. 645 including the Chesapeake Bay shoreline between these two points, Godfrey Bay (Chapel Creek), Hills Bay, Queens Creek, (Kenny Creek, Miller Cove), Winder Creek, The Narrows, Middle Grounds, Milford Haven, Lanes Creek, Stutts Creek, (Callis Creek, Morris Creek, Hudgins Creek), Billups Creek, Whites (Stoakes Creek, Back Creek), and all of their tributaries.

The topography of the area varies in elevations from 5' or less along the shoreline to a maximum of 35' at the northwestern edge of the survey boundary. The economy of Mathews County is primarily based on health care, retail trade, manufacturing and construction. According to a 2016 US census bureau study, the median household income is \$63,157 with a current unemployment rate of 3.8%. Since the previous survey, the population of Mathews County has shown a 2.2% decline with an estimated population of 8,782.

Meteorological data indicated that the area received a total rainfall of 11.42" for the survey period. A monthly breakdown is as follows:

January 18-31 2.25" February 1.95" March 3.63" April 2.54" May 1-10 1.05"

Mathews County enacted a septic pump out requirement in concurrence with the Chesapeake Bay Act. The following statement and additional information regarding onsite regulations can be found on the county website <a href="https://www.co.mathews.va.us">www.co.mathews.va.us</a>.

The County of Mathews, in accordance with section 22.10(7) (Chesapeake Bay Preservation Overlay District) of the Mathews County Zoning Ordinance, has initiated a program requiring that all on-site sewage disposal systems (septic systems) be pumped out at least once every five (5) years. As alternatives to this



pump out requirement, septic system owners may elect to have an effluent filter installed in the outflow pipe from the septic system or submit documentation, every five (5) years, from a licensed sewage handler explaining that the system has been inspected, is functioning proper and does not need to be pumped out.

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. Maps of the Enterococcus special sampling are shown at the conclusion of this report.

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

OBJECTIO	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
1312	37	W25	4/4/2018	SEWAGE TREATMENT FACILITY, direct	37.4880	-76.3086	63 Mill Point Road, Hudgins, VA 23076	VPDES Permit # VA0022373. This is a class 2 package plant with a design flow of .003 MGD and uses a UV disinfection system. Final effluent is discharged at outfall serial #001. The plant has been upgraded since last survey.	Conv	Business	Y	United States Coast Guard	Mathews	WB		
4541	37	W13	4/4/2018	CONTRIBUTES POLLUTION (Kitchen or Laundry), indirect	37.4698	-76 3023	Hudgins, VA 23076	3" white PVC sewer pipe has become disconnected from septic system. Effluent and lint are pooling in ditch that runs distance of property directly beneath disconnection point.	Conv	Dwelling	N	Sanitary notice issued and local health department notified.	Mathews	WB		

### Shoreline Survey # 037

#### **SECTION C: NONSEWAGE WASTE SITES**

OBJECTID	GA#	Field #	Inspection Date	Deficiency or Pollution Type		Longitude	Address	Pollutant Remarks	Septic System Type	Structure	Contact	Overall Site Remarks	Locality	DSS Staff
1325	37	W27	4/4/2018	INDUSTRIAL WASTES, direct	37.4646	-76 2995	73 Harvest Ln,	Aquaculture operation VA 1360SS. Processing and wash down wastes discharge into Stutts Creek. Discharge permit # VAG524087.	Conv	Dwelling	Υ	Callis Oyster Farm	Mathews	WB
1314	37	W28	4/4/2018	INDUSTRIAL WASTES, direct	37.4875	-76 3009	73 Harvest Ln,	Commercial Shellfish Processing Plant VA 889SP. Processing and wash down wastes discharge into Milford Haven. Discharge permit # VAG524046.	Conv	Dwelling	Υ	Callis Oyster Farm	Mathews	WB
3052	37	W26	4/4/2018	INDUSTRIAL WASTES, indirect	37.4880	-76 3086	63 Mill Point Road, Hudgins VA 23076	Found on site was $1 \times 2000$ gallon heating oil, $1 \times 1500$ gallon diesel fuel, $1 \times 500$ gallon gasoline, all tanks double wall without berm.	NA	Business	Υ	United States Coast Guard	Mathews	

#### SECTION D: BOATING ACTIVITY

OBJECTID	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'	NUM BOATS >26'	Evidence of Live- Aboards	DSS Staff
1304	37	W6	4/4/2018	BOATING ACTIVITY	37.4849		321 Walnut Acres Ln, Hudgins, VA 23076	Available on site are seasonal slips/moorings, electricity, water, solid waste containers, restrooms, dump station and sewage holding tank pump out facilities.	Conv	Marine	N	Queens Creek Marina	Mathews	Marina	40	8	18	N	WB
131:	3 37	W8	4/4/2018	BOATING ACTIVITY	37.4883		249 Mill Point Rd, Hudgins, VA 23076	Available on site are 2 transient moorings, 170+ dry storage spaces, fuel, water, electricity, repair, soiled waste containers, restrooms, dump station and sewage holding tank pumpout facilities.	Conv	Marine	Y	Morning Star Marina	Mathews	Marina	2	0	2	N	WB
132:	ı 37	W12	4/4/2018	BOATING ACTIVITY	37.4760	-76.2931	Adjacent to 1201 Point Breeze Rd, Hudgins, VA 23076	Available on site are seasonal slips/moorings, 3 dry storage spaces, ramp, electricity, water and solid waste containers. Owner has restroom facilities available for use at 1201 Point Breeze Rd.	Conv	Marine	N	Gerald Condrey boat ramp	Mathews	Marina	13	2	7	N	WB
1320	5 37	W15	14/24/2018	BOATING ACTIVITY	37.4630	-76.3095	390 Yacht Club Drive, Mathews, VA 23109	Available on site are 57 seasonal slips/moorings, fuel, ramp, electricity, water, solid waste containers, restrooms and sewage holding tank pump out facilities.	Conv	Marine	N	Mathews Yacht Club, Inc.	Mathews	Marina	57	4	15	N	WB
133!	5 37	W20	I // /12 /2010	BOATING ACTIVITY	37.4517	-76.2770	985 Lily's Neck Rd, Moon, VA 23119	Private boat harbor. Available on site are seasonal slips/moorings, ramp, electricity, water, solid waste containers and restroom facilities.	Conv	Marine	N	Ruth Down's Harbor	Mathews	Marina	15	0	0	N	WB
1331	5 37	W21	14/13/2018	BOATING ACTIVITY	37.4499	-76.2746	376 Beaumer Rd, Moon, VA 23119	Private boat harbor. Available on site are seasonal slips/moorings, ramp, electricity, water and solid waste containers. Restroom facilities located at residences.	NA	Marine	N	Beauregard Turner Pier	Mathews	Marina	13	3	0	N	WB
3120	37	W7		BOATING ACTIVITY	37.4880		63 Mill Point Road, Hudgins, VA 23076	U.S. Coast Guard patrol boat base. Available on site are seasonal slips/moorings, fuel, ramp, electricity, repair, water, restroooms and solid waste containers.	Conv	Business	Υ	United States Coast Guard	Mathews	OPWBAM	2	0	2	N	WB
305:	37	W9	1/////118	BOATING ACTIVITY	37.4875	-76.3009	536 Mill Point Rd, Hudgins, VA 23076	Commercial Shellfish Processing Plant VA 889SP.	Conv	Business	Y	Sea Farms, Inc.	Mathews	OPWBAM	5	0	1	N	WB

#### SECTION D: BOATING ACTIVITY

OBJECTID	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'	NUM BOATS >26'	Evidence of Live- Aboards	DSS Staff
4547	37	W14	4/4/2018	BOATING ACTIVITY	37.4646	-76.2995	73 Harvest Ln, Hudgins, VA 23076	Aquaculture Operation VA 1360SS	Conv	Dwelling	Υ	Callis Oyster Farm	Mathews	OPWBAM	4	2	0	N	WB
1330	37	W18	11/26/2018	BOATING ACTIVITY	37.4607	-76.3014	172 Fleetwood Circle, Moon, VA 23119	Available on site are 23 seasonal slips/moorings, electricity, water, solid waste containers and restroom facilities.	Conv	Marine	N	Fleetwood Properties	Mathews	OPWBAM	23	0	0	N	WB
1288	37	W2	1/1/2/1/2019	BOATING ACTIVITY	37.5058	-76.3540	End of Godfrey Road, Cobbs Creek, VA 23035	Public beach access with canoe and kayak launching.	NA	Marine	N	Mathews County (Godfrey Bay) Public Ramp	Mathews	Under Surveillance	0	0	0	NA	WB
1290	37	W3	15/30/2018	BOATING ACTIVITY	37.5046	-76.3501	Misty Cove Rd., Cobbs Creek, VA	Available on site are dry storage spaces, dirt in-out ramp, solid waste containers and a pier for the loading and unloading of private vessels.	NA	Marine	N	Misty Cove Partners	Mathews	Under Surveillance	0	0	0	NA	WB
1298	37	W4	15/30/2018	BOATING ACTIVITY	37.4890	-76.3484	Adjacent to 435 Skipjack Rd, Mathews, VA 23109	Private boat harbor. No contact. Available on site is a pier for the loading and unloading of private vessels, a concrete in-out ramp and solid waste containers.	NA	Marine	N	Sail Cove Association	Mathews	Under Surveillance	3	2	0	NA	WB
1296	37	W5	5/30/2018	BOATING ACTIVITY	37.4874	-76.3340	End of Whites Creek Rd, Mathews, VA 23109	Available on site is a pier for the loading and unloading of commercial/private vessels.	NA	Marine	N		Mathews	Under Surveillance	0	0	0	NA	WB
1339	37	W24	14/24/2018	BOATING ACTIVITY	37.4472	-76.2599	End of Whites	Mathews County Public Boat Ramp. Available on site is a pier for the loading and unloading of commercial/private vessels and a sand beach ramp.	NA	Marine	N	Mathews County Public Boat Ramp	Mathews	Under Surveillance	0	0	0	NA	WB

#### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

37	W1					Address	Pollutant Remarks	System Type	Structure Type	Contact	Overall Site Remarks	Locality	DSS Staff
		5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.5030	-76.3571	270 Godfrey Bay Rd, Cobbs Creek, VA 23035	Found on site were 10+ sheep and 5+ dogs. Manure is left on ground surface.	Conv	Dwelling	Y		Mathews	WB
37	W10	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4734	-76.3207		G	NA	Agri	Υ	Pine Kone Kennels	Mathews	WB
37	W11	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4704	-76.3190	112 Cattail Br., Hudgins, VA 23076	goats, and 2 turkeys. Manure is collected,	Conv	Dwelling	Υ		Mathews	WB
37	W16	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4548	-76.3094	1006 Pine Hall Road, Mathews, VA 23109	Found on site were 25+ chickens, 1 goose and 6+ guineas. Manure is left on the ground surface.	Conv	Dwelling	Υ		Mathews	WB
37	W17	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4440	-76.3056	Holly Road, Mathews, VA 23109	5 5	NA	Agri	N		Mathews	WB
37	W19	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4493	-76.2876	•	G	Conv	Dwelling	Υ		Mathews	WB
37	W22	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4412	-76.2817	67 Lily's Neck Rd, Moon, VA 23119		Conv	Dwelling	N		Mathews	WB
37	W23	5/30/2018	CONTRIBUTES ANIMAL POLLUTION, indirect	37.4339	-76.2719	359 Sandy Rd, Mathews, VA 23109	Found on site were 5+ horses.	Conv	Dwelling	N		Mathews	WB
3 3	37	W11 W16 W17 W19 W19 W19	W11 5/30/2018 W16 5/30/2018 W17 5/30/2018 W19 5/30/2018 W22 5/30/2018	M10 5/30/2018 ANIMAL POLLUTION, indirect CONTRIBUTES ANIMAL POLLUTION,	ANIMAL POLLUTION, indirect  W11 5/30/2018 CONTRIBUTES ANIMAL POLLUTION, indirect  CONTRIBUTES ANIMAL POLLUTION, indirect	ANIMAL POLLUTION, indirect CONTRIBUTES ANIMAL POLLUTION,	W10   5/30/2018   ANIMAL   POLLUTION, indirect   S/30/2018   ANIMAL   POLLUTION   ANIMAL   POLLUTION   ANIMAL   POLLUTION   ANIMAL   POLLUTION   ANIMAL	Note of the pollution, indirect and the pollution and th	ANIMAL POLLUTION, indirect  W11 5/30/2018 ANIMAL POLLUTION, indirect  W11 5/30/2018 ANIMAL POLLUTION, indirect  CONTRIBUTES AN	ANIMAL POLLUTION, indirect  W11	ANIMAL POLLUTION, indirect CONTRIBUTES ANIMAL POLLUTION, indirect To W17 5/30/2018 ANIMAL POLLUTION, indirect To W18 5/30/2018 ANIMAL POLLUTION, indirect To W19 5/30/2018 ANIMAL POLLUTION, indirect To W20 5/30/2018 ANIMAL POLLUTION, indirect To W21 5/30/2018 ANIMAL POLLUTION, indirect To W22 5/30/2018 ANIMAL POLLUTION, indirect To W23 5/30/2018 ANIMAL POLLUTION, indirect To W24 5/30/2018 ANIMAL POLLUTION, indirect To W25 5/30/2018 ANIMAL POLLUTION, indirect	ANIMAL POLLUTION, indirect CONTRIBUTES ANIMAL POLLUTION, and pollution and p	Name

#### SUMMARY

Growing Area # 037 STUTTS, QUEENS, AND WHITES CREEKS 25 June 2018

## **SECTION B: SEWAGE POLLUTION SOURCES**

- 1. SEWAGE TREATMENT FACILITIES
  - 1 DIRECT # W25
  - <u>0</u> INDIRECT None.
  - 1 B.1. TOTAL
- **2. ON-SITE SEWAGE DEFICIENCIES** Correction of the 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.
  - 1 CP (Kitchen or Laundry Wastes), INDIRECT # W13
  - 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
  - 3 DIRECT # W26, W27, W28
  - 0 INDIRECT None.
  - 3 C.1. TOTAL
- 2. SOLID WASTE SITES
  - 0 DIRECT None.
  - 0 INDIRECT None.
  - 0 C.2. TOTAL
- 3. STORMWATER OUTFALLS
  - 0 DIRECT None.
  - <u>0</u> INDIRECT None.
  - 0 E. TOTAL
- **SECTION D: BOATING ACTIVITY** 
  - 6 MARINAS # W6, W8, W12, W15, W20, W21
  - 4 OTHER PLACES WHERE BOATS ARE MOORED # W7, W9, W14, W18
  - 5 UNDER SURVEILLANCE # W2, W3, W4, W5, W24
  - 15- D. TOTAL

#### **SECTION E: CONTRIBUTES ANIMAL POLLUTION**

- 0 DIRECT None.
- 8 INDIRECT # W1, W10, W11, W16, W17, W19, W22, W23
- 8 E. TOTAL



