



# COMMONWEALTH of VIRGINIA

*Department of Health*  
*DIVISION OF SHELLFISH SANITATION*  
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**East River**  
**Growing Area # 041**  
**Mathews County**  
**Shoreline Sanitary Survey**

**Date:** 13 July 2012

**Survey Period:** March 20, 2012 – June 11, 2012

**Total Number of Properties Surveyed:** 983

**Surveyed By:** D. R. Beuchelt

## **Section A: GENERAL**

This survey area extends from Reference Point 41 at Bay Shore Point to Reference Point 42 at Minter Point and includes the shoreline and all of the tributaries on the East River within a boundary line set by the Division of Shellfish Sanitation. The topography of the area begins with an elevation of 5' around the shoreline reaching 10' at the headwaters and 15' further inland and having a maximum elevation of 25' on Route 626.

According to the 2010 U.S. Census, Mathews County showed a 2.5% decrease in population with a count of 8,978. The economy is based on government services, retail trade, accommodations and food services and the seafood industry.

Since the last survey the area has experienced severe weather from hurricanes and tropical storms, the most recent being hurricane Irene which hit the area in August 2011 and was then followed by Tropical Storm Lee a few weeks later in September. The area experienced power outages, heavy rains and major flooding during these storms.

In May 2011, the Mathews Transmission Force Main and Pump Stations, (operated by the Hampton Roads Sanitation District), went into operation and the Mathews Sewage Treatment facility went off-line. During this survey, the old Mathews Sewage Treatment Facility was demolished.

Meteorological data indicated that 6.93" of rain fell during the survey period. A monthly breakdown is as follows:

March 20-31, 2012 0.86"      April 2.95"      May 1.37"      June 1-11 1.75"

*The Commonwealth of Virginia, under Code Section 9VAC 10-20-120.7, specifies that on-site sewage treatment systems not requiring a Virginia Pollutant Discharge Elimination System (VPDES) permit shall:*

*a. Have pump-out accomplished for all systems at least once every five years.*

*(1) If deemed appropriate by local health department and subject to conditions the local health department may set, local governments may offer to the owners of such system, as an alternative to the mandatory pump-out, the option of having a plastic filter installed*

*and maintained in the outflow pipe from the septic tank to filter solid material from the effluent while sustaining adequate flow to the drainfield to permit normal use of the septic system. Such a filter should satisfy standards established in the Sewage Handling and Disposal regulations (12VAC5-610) administered by the Virginia Department of (2) Furthermore, in lieu of requiring proof of septic tank pump-out every five years, local governments may allow owners of on-site sewage treatment systems to submit documentation every five years, certified by a sewage handler permitted by the Virginia Department of Health, that the septic system has been inspected, is functioning properly, and the tank does not need to have the effluent pumped out of it.*

Information can be found by contacting county officials via: [www.co.mathews.va.us](http://www.co.mathews.va.us).

Found during the survey were 0 STF facilities (Mathews STF is now off-line), 7 on-site deficiencies, 7 properties marked as potential deficiencies, 1 industrial site, 2 solid waste sites, 9 boating activity sites and 8 sites marked as animal pollution.

Copies for Bacteriological, Hydrographic and Shellfish Closure data are available at the White Stone office for review. 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/).

The report lists only those properties that have a sanitary deficiency or may have other environmental significance. **DIRECT** indicates that the significant activity or deficiency may have 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 Sanitation and are available for reference until superseded by a subsequent survey area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

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

### **SEWAGE TREATMENT FACILITIES**

-None-

### **ON-SITE DEFICIENCIES**

7. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Location: 46 Woods Cove Lane, Port Haywood 23138. Dwelling – 1 story, white with gray roof and black shutters. No Contact. A white hose exits the house and discharges to a ditch in the woods. Signs of previous discharge are present. Sanitary Notice issued on 4/9/12 to Field # 223. Tax Map # 29-A-232B.
14. CONTRIBUTES POLLUTION – Location: 348 Evans Road, Mathews 23109. Dwelling – 1 story, white with gray shingles and gray shutters. No Contact. Area over drainfield has tall grass and water pooling onto ground surface. Sanitary Notice issued on 5/1/12 to Field # 441. Tax Map # 25-10-2L. Issue was corrected before survey was published by resolving a hydraulic overload issue resulting from leaky fixtures. Local HD will continue to monitor the site.
16. CONTRIBUTES POLLUTION – Location: 731 Peach Point Road, Mathews 23109. Dwelling – 2 stories, beige with green shutters and brown shingles. 5 persons. Effluent has erupted over drainfield. Algae patch and odor present. Sanitary Notice issued on 5/7/12 to Field # 553. Tax Map # 20-13-9. A repair permit has been issued.

17. CONTRIBUTES POLLUTION – Location: 16662 John Clayton Memorial Highway, Mathews 23109. Dwelling – 1 story, taupe colored with black shutters and black shingles. No Contact. Effluent has overflowed onto ground surface at some point. Algae mat present. Sanitary Notice issued on 5/7/12 to Field # 562. Tax Map # 15-A-7. Issue was corrected before survey was published by resolving a clogged outlet pipe issue.
24. NO FACILITIES - Location: 2067 East River Road, Cardinal 23025. Dwelling – 1 story, white with brown shingles. No Contact. Privy is unusable. Also found was a pipe, of unknown origin, from the house to a ditch with no discharge at time of survey. Sanitary Notice issued on 5/17/12 to Field # 665. Tax Map # 24-A-118.
25. CONTRIBUTES POLLUTION – Location: 2715 East River Road, Cardinal 23025. Dwelling – RV-Vagabond, cream-colored with brown and silver trim. Has electric hookup. No Contact. Found at time of survey was an open sewer port with waste water discharging to a green (oil) pan and contents draining onto ground surface. Sanitary Notice issued on 5/17/12 to Field # 675. Tax Map # 25-A-27.
31. CONTRIBUTES POLLUTION – Location: 121 Pelican Point Lane, Bohannon 23021. Dwelling – 1 ½ stories, brick, variegated gray shingles and black shutters. No Contact. Area in yard shows septic malfunction. Sanitary Notice issued on 6/4/12 to Field # 882. Tax Map # 34-A-124C.

Note: Mathews County Health Department issued a permit on 5/16/12 for construction of a sewage disposal system.

#### **POTENTIAL POLLUTION**

2. Location: 281 Diggs Wharf Road, Susan 23163. Dwelling – 1 ½ stories, white cinderblock with gray shingles. No Contact. Plywood covers septic tank area. Plywood was heavy and could not be lifted to access and inspect the area below. No signs of effluent.
3. Location 59 Turpin Lane, Port Haywood 23128. Dwelling – 1 story, white with green shutters and metal roof. No Contact. Area is overgrown and covered with debris. Old RV units, cars, trucks and tires were found on-site.
6. Location: 2014 New Point Comfort Highway, Mathews 23109. Dwelling – 2 stories, white with green shutters and metal roof. No Contact. A black hose, of unknown origin, exits the foundation. No signs of discharge.
13. Location: 102 Caravel Way, Mathews 23109. Sand, gravel yard. Dwelling – Blue steel building. Found on-site were three fuel tanks; 1000 gallon off road diesel, 500 gallon gasoline and ~375 gallon (unknown), without berms. Contact was made via phone by owner of the operation who stated that approximately 200 gallons of fuel was on-site.
29. Location: 430 Mill Lane Road, Mathews 23109. Dwelling – 2 stories, white with gray shingles. No Contact. A white PVC pipe, of unknown origin, exits the house. No signs of discharge.
33. Location: 273 The Long Lane, Mobjack 23056. Dwelling – mobile home. No Contact. Home had no hook up to the septic system at the time of survey, however, according to Mathew officials; mobile home has been recently placed on the property. No one is living at the site until a certificate of occupancy is obtained.

## SECTION C: NON-SEWAGE WASTE SITES

### INDUSTRIAL WASTE SITES

4. Location: 3748 New Pt. Comfort Hwy, Port Haywood, 23138. Dwelling – store with fuel sales. Found on-site was 1x2000 gallon off road diesel without a berm. Auto Repair shop is currently closed.
11. **DIRECT** - Location: 603 Main Street, Mathews 23109. Riverside Convalescent Center. This is a Class III water treatment facility which utilizes manganese greensand pressure filtration and continuous potassium permanganate regeneration to remove iron and manganese from the well water to provide potable water for the convalescent care facility. Effluent is water discharged, from the backwashing of the sand filter, to the East River. Facility has VPDES Permit # VA0071641 from DEQ. All domestic wastewater at this facility flows to the Hampton Roads Sanitation District pipeline.

### SOLID WASTE SITES

1. Location: 219 Creekwood Lane, Mathews 23109. Dwelling – white building with gray metal roof. Old repair facility. Found on-site were old RV units, cars, trucks, boats, mowers, boat motors and a small amount of waste oil (which is recycled).
19. Location: 16284 John Clayton Highway, Mathews 23109. County of Mathews Convenience Center and Transfer Station. Operated by the Virginia Peninsulas Public Service Authority. Public – waste collection and recycling center for household wastes. This center does recycle batteries and small quantities of used oil and antifreeze but does not accept hazardous wastes.

## SECTION D: BOATING ACTIVITY

### MARINAS

27. Location: 382 Heron Point Road, Cardinal 23025. Available on-site are 10 seasonal slips/moorings, electric, water, solid waste containers, and restrooms at the owners residence.
34. Location: 6199 East River Road, Mobjack 23056. Available on-site are 18 seasonal slips/moorings, electric, water, solid waste containers, restrooms and laundry services at the bathhouse, and a sewage holding facility that allows pump-outs at each slip. Also on-site is a cottage with a separate pier from the marina.

### OTHER PLACES WHERE BOATS ARE MOORED

5. Poplar Grove Community Boat Dock, adjacent to 265 Poplar Grove Lane, Mathews 23109. Available on-site are 10 seasonal slips/moorings, and an oyster shell ramp.
26. Zimmerman Marine, Inc., 59 Heron Point Road, Cardinal 23025. This facility is for boat restoration and sales only. Available on-site are 8 dry storage spaces, electric, water, ramp and restrooms.
30. Location: Adjacent to 191 Quail Lane, Foster 23056. Available on-site are 8 seasonal slips/moorings, 6 dry storage spaces, concrete ramp and a privy.

### UNDER SURVEILLANCE

8. Location: 1039 Williams Wharf Road, Mathews 23109. Williams Wharf Landing. In March 2012, the Mathews County Board of Supervisors turned the ownership of this site over to the Mathews Land Conservancy, which now vacates the road and public landing. A provision has been made to allow citizens the right to walk, fish in designated areas, have picnics during normal operating hours and use the privy house. There are also restrooms located inside the meeting house. A conservation easement of this site will be held jointly by Mathews County and the Middle Peninsula Chesapeake Bay Public Access Authority.
9. Location: 1070 Williams Wharf Road, Mathews 23109. Williams Wharf Rowing Center. This is a non-motorized facility, although, there are two transient slips available to dock two Jon boats that are used during training and rescue exercises. There is a Port-a-john on-site for use as well as the privy house and meeting house adjacent to this location.
10. Location: End of Town Point Landing. Town Point Public Landing. Available on-site is a concrete ramp and a loading/unloading dock.
28. East River Boat Yard, 502 Mill Lane Road, Bohannon 23021. This property has been sold to the County of Mathews for the development of a boat ramp area. Available on-site is a loading/unloading dock where watermen unload their seafood, located outside of the fenced in area.

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

12. Location: 1940 Glebe Road, Mathews 23109. Dwelling – 1 story, brick with white shutters and brown shingles. No Contact. Present at the time of the survey were 1 horse, 2 cows, 3 goats and unknown quantity of chickens. Manure is left on ground.
15. Location: 1 Magnolia Road, 23109. Dwelling – 2 stories, white with black shutters and gray shingles. 1 person. Present at the time of the survey were 2 horses, 3 llamas and 20 ducks. Manure is taken to a neighbor's farm to use in his garden. Property is well maintained.
18. Location: 642 Fickle Fen Road, Mathews 23109. Dwelling – 2 stories, white with red shutters and brown shingles. 2 persons. Present at the time of the survey were 5 horses. Manure is worked into the pasture.
20. Location: 16130 John Clayton Memorial Highway, North 23128. Dwelling – 1 story, white with black roof. No Contact. Present at the time of the survey it was estimated  $\geq$  25 hunting dogs. Manure is on ground under cages and piled in mounds in the woods.
21. Location: 525 East River Road, Foster 23056. Dwelling – 1 story, white with black shutters. No Contact. Unable to access. Visible at the time of the survey were 4 horses. The exact quantity of livestock is unknown. Manure disposal is unknown.
22. **DIRECT** – Location: 209 Store Road, Mathews 23109. Dwelling – 1 story, white with gray shingles and black shutters. Vacant. Present at the time of the survey were 6 horses and hunting dogs. The pasture is open to the watershed, however, due to the mud flats, the horses do not access the water. Manure is left on ground.

23. Location: 742 Tick Neck Road, North 23128. Dwelling – 1 ½ stories, white with black shingles and black shutters. Visible at the time of the survey were 1 horse, 6 cows, Guineas, and Geese (Domestic and Non domestic). The exact quantity of livestock is unknown. Manure is left on ground.
32. Location: 170 Old Hobday Lane, Bohannon 23021. Dwelling – 2 stories, white with metal roof and black shutters. Visible at the time of the survey were 1 rooster, 1 llama, 4 cows, 1 calf and 3 goats. The exact quantity of livestock is unknown. Manure disposal is unknown.

## SUMMARY

Area # 041  
East River  
13 July 2012

### 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  
5 – CONTRIBUTES POLLUTION, INDIRECT – # 14, 16, 17, 25, 31  
0 – CP – (Kitchen or Laundry Wastes), DIRECT – None  
1 – CP – (Kitchen or Laundry Wastes), INDIRECT – # 7  
0 – NO FACILITIES, DIRECT – None  
1 – NO FACILITIES, INDIRECT – # 24  
7 – B.2. TOTAL

#### 3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained to determine any status change.

6 – POTENTIAL POLLUTION – # 2, 3, 6, 13, 29, 33

### SECTION C: NON-SEWAGE WASTE SITES

#### 1. INDUSTRIAL WASTE SITES

1 – DIRECT – #11  
1 – INDIRECT – # 4  
1 – C.1. TOTAL

#### 2. SOLID WASTE SITES

0 – DIRECT – None  
2 – INDIRECT – # 1, 19  
2 – C.2. TOTAL

### SECTION D: BOATING ACTIVITY

2 – MARINA – # 27, 34  
3 – OTHER PLACES WHERE BOATS ARE MOORED – # 5, 26, 30  
4 – UNDER SURVEILLANCE – # 8, 9, 10, 28  
9 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT – # 22  
7 – INDIRECT – # 12, 15, 18, 20, 21, 23, 32  
8 – E. TOTAL



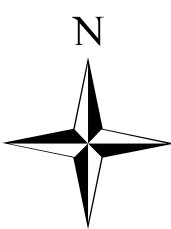
Virginia Department of Health  
Division of Shellfish Sanitation

East River  
# 041  
Shoreline Sanitary Survey

Mathews County

Date: 13 July 2012  
Survey By: D.R. Buechelt  
Number of Properties Surveyed: 983

0 250 500 1,000  
Yards



Legend

Seawater Sampling Stations

Active

Inactive

Sewered areas

DGIF Boat Ramps

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

Boating Activity

Contributes Animal Pollution - Direct

Contributes Animal Pollution - Indirect

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