



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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HUNGARS AND MATTAWOMAN CREEKS Growing Area # 086 Northampton County Shoreline Sanitary Survey

Date: 28 April 2014

Survey Period: January 13 – April 11, 2014

Total Number of Properties Surveyed: 411

Surveyed By: R.F. Sloan

SECTION A: GENERAL

This survey area extends from Reference Point 86 at Great Neck Point to Reference Point 87 at Hungars Beach off Route 630, including the Chesapeake Bay shoreline between these two points, Hungars Creek (Paraplane Cove, Jacobus Creek, and Masden Gut), Mattawoman Creek, Barlow Creek and all their tributaries. The survey area has been reduced since the last survey. See map for current survey boundary.

The topography varies in elevation from 5' around the shoreline to a maximum of 25' at the western edge of the survey boundary. The population is generally sparse, except in the neighborhoods of Vaucluse Shores and Hungars Beach. The economy in the area is primarily based on agriculture and the seafood industry.

Meteorological data indicated that 8.33" of rain fell during the survey period. A monthly breakdown is as follows:

January 13-31	1.15"	February	2.37"	March	3.94"	April 1-11	0.87"
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The current restrictions on shellfish harvesting are Condemned Shellfish Area # 086-136, Hungars and Mattawoman Creeks. Copies of the current condemnation notice and maps are available via the Internet at www.vdh.virginia.gov/shellfish/.

This report lists only those properties which have a sanitary deficiency or have other environmental significance. **"DIRECT"** indicates that the significant activity or deficiency has 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report are on file in the Richmond Office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent resurvey of the area.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

9. **DIRECT** – Occupant: Northampton Middle School, 7207 Young Street, Machipongo, 23405. Owner: Northampton County School Board, PO Box 37, Machipongo 23405. Public school and administration office. 600-650 students/employees. VPDES Permit # VA0023817. Design flow 0.028 MGD. Treatment plant consists of 2 bar screens, influent pump station, stabilization pond, and holding pond. Final effluent is designed to discharge into an unnamed tributary leading to Jacobus Creek. The facility has not discharged for several years, but is still permitted. This facility is located outside of the revised survey boundary, but it may have a direct impact on the headwaters of Jacobus Creek.

ON-SITE SEWAGE DEFICIENCIES

-None-

POTENTIAL POLLUTION

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

-None-

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

-None-

UNDER SURVEILLANCE

1. Vaucluse Shore Association, End of Mallard Lane, Eastville 23347. Private boat ramp and pier. No contact. There were no boats present at time of survey. The only boating service provide was an in-out ramp. Sanitary facilities are provided in residents' private homes. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.
2. Waverly Home Owners, End of Waverly Lane, Birdsnest. Private boat ramp and pier. No contact. There were no boats present at time of survey. The only boating service provide was an in-out ramp. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.
3. Wilsonia Landing Association, 5301 Lucas Trail, Machipongo 23405. Private neighborhood boat ramp and pier. No contact. There were no boats present at time of survey. The only boating service provided was an in-out ramp. Sanitary facilities are

provided in residents' private homes. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.

5. Wisonia Property Owner's Association, End of Wisonia Harbor Way, Machipongo 23405. Private neighborhood boat ramp and pier. No contact. There were no boats present at time of survey. The only boating service provided was an in-out ramp. Solid waste containers are provided for garbage. Sanitary facilities are provided in residents' private homes. There are no boat holding tank pump-out facilities or dump station facilities provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

4. Location: 12052 Waters Edge Lane, Machipongo. Dwelling – Tan/Brown metal barn. Present at time of survey were 5 Horses in pen. Manure is composted and is used as fertilizer in the fields.
6. Location 13586 Solitude Trail, Machipongo. Dwelling – 1story brown wood barn. Present at time of survey were 75 chickens in a pen. Owner stated that he moves the pen every few days to spread the manure in the pasture.

SUMMARY

Growing Area # 086
Hungars and Mattawoman Creeks
28 April 2014

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # 9
0 – INDIRECT – None
1 – 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
0 – CONTRIBUTES POLLUTION, INDIRECT – None
0 – CP (Kitchen or Laundry Wastes), DIRECT – None
0 – CP (Kitchen or Laundry Wastes), INDIRECT – None
0 – NO FACILITIES, DIRECT – None
0 – NO FACILITIES, INDIRECT – None
0 – 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

0 – DIRECT – None
0 – INDIRECT – None
0 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

0 – DIRECT – None
0 – INDIRECT – None
0 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

0 – MARINAS – None
0 – OTHER PLACES WHERE BOATS ARE MOORED – None
4 – UNDER SURVEILLANCE – # 1, 2, 3, 5
4 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

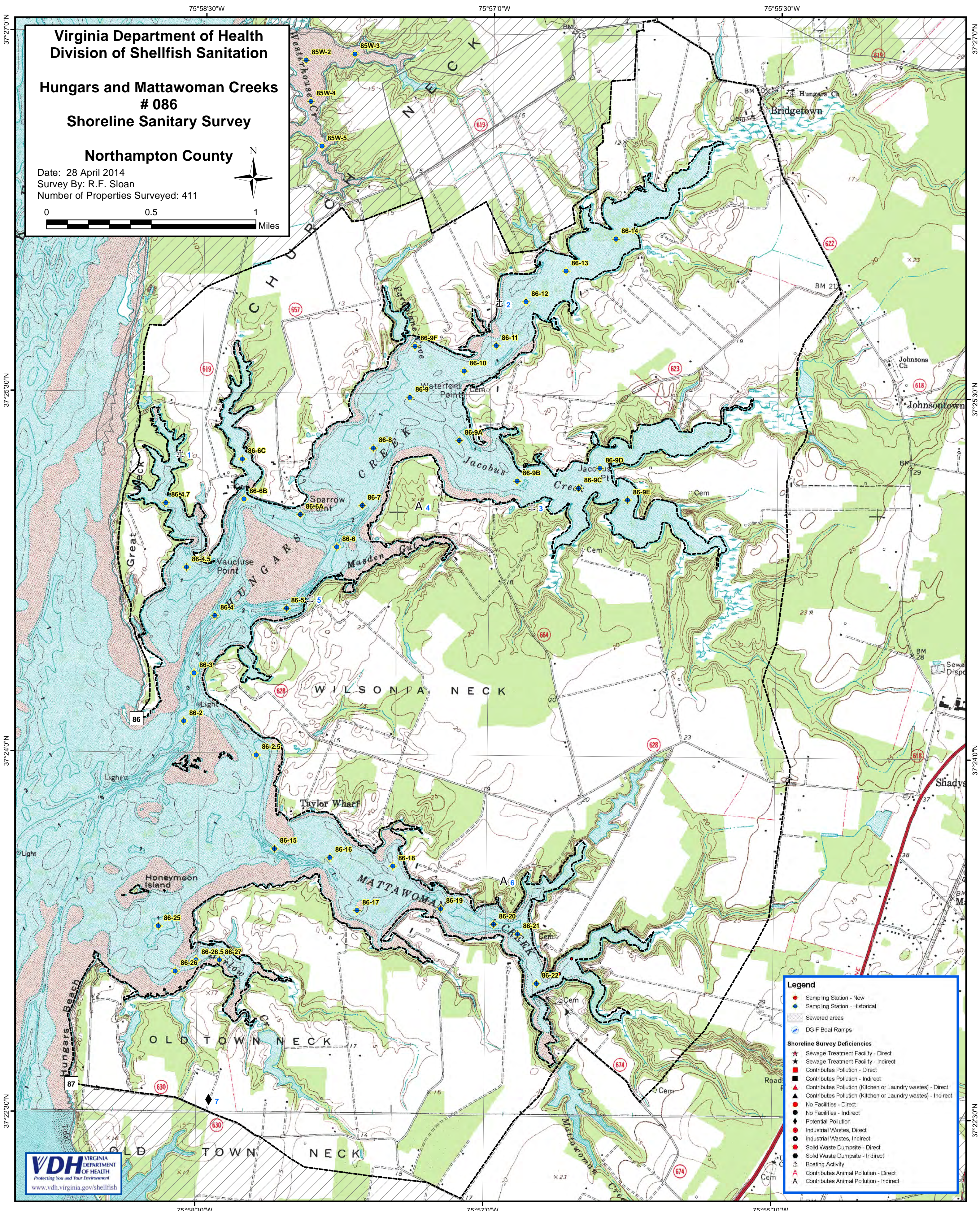
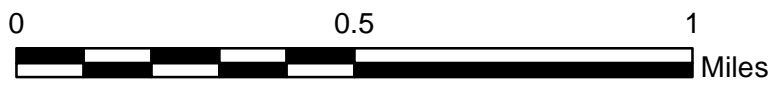
0 – DIRECT – None
2 – INDIRECT – # 4, 6
2 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Hungars and Mattawoman Creeks
086
Shoreline Sanitary Survey

Northampton County

Date: 28 April 2014
Survey By: R.F. Sloan
Number of Properties Surveyed: 411



Legend

- Sampling Station - New
- Sampling Station - Historical
- 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