



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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NASSAWADOX CREEK Growing Area # 085 Northampton County Shoreline Sanitary Survey

Date: 2 October 2013
Survey Period: August 9, 2013 – September 27, 2013
Total Number of Properties Surveyed: 496
Surveyed By: R.F. Sloan

SECTION A: GENERAL

This survey area extends from Reference Point 85 at Nassawadox Point to Reference Point 86 at Great Neck Point, including the Chesapeake Bay shoreline between these two points, Nassawadox Creek (Kelley Cove, Holly Grove Cove, Warehouse Creek, and Church Creek), Westerhouse Creek, and all of their tributaries.

Land elevations in the area rise fairly close to the shoreline to moderate heights and remain uniformly moderate to the outer reaches of the drainage basin. The economy of the area is mainly agricultural except where the population is concentrated in portions of the town of Nassawadox and in the communities of Jamesville, and Franktown. There were two significant developments adjacent to the waterfront; Vaocluse Shores subdivision at the end of State Route 619 on Church Neck Road and Bush Hill at the end of State Route 609.

Meteorological data indicated that 4.22" of rain fell during the survey period. A monthly breakdown follows:

August 9-31	3.25"	September	0.97"
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Animal pollution has decreased from 18 to 13 sources and industrial wastes have decreased from 3 to 2 sources. There was 1 migrant labor camp found within the survey. There was also 1 sewage treatment facility outside of the survey boundary serving the Northampton-Accomack Memorial Hospital.

The closures to shellfish harvesting at time of publication were Condemned Shellfish Area # 085-110, Nassawadox Creek. Condemned Shellfish Area # 085-185, Church Creek; and Condemned Shellfish Area # 085-199, Westerhouse Creek. Copies of the current condemnation notices and maps are available via the Internet at www.vdh.virginia.gov/shellfish/.

Information in this report is gathered by and primarily for use of the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibility of shellfish growing area supervision and classification. However, the data is made available to various agencies participating in shellfish program coordination activities or other interested parties.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Sections B.2. and B.3. and the Department of Environmental Quality for possible action at properties listed on the summary page in Sections B.1., C.1., and C.2. The Division of Soil and Water Conservation is provided information on possible sources of animal pollution found in Section E.

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.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

27. **DIRECT** – Northampton-Accomack County Memorial Hospital, 9507 Hospital Avenue, Nassawadox 23413. Sewage Treatment Facility. VPDES Permit # VA0027537. Design flow 0.100 MGD. Treatment consists of comminutor/barscreen, raw sewage influent pumps, aerated lagoon, secondary clarifier, polishing pond, ultraviolet disinfection, and step aerator. Final effluent discharges into Warehouse Creek.

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION – 7425 Long Point Road, Exmore 23350. Dwelling - yellow vinyl siding 1-story. 2 persons. Effluent erupting from septic tank onto ground surface. Owner has had a contractor submit a sewage repair application to the Local Health Department. Sanitary Notice issued 8-13-13 to Field # 46.
9. CONTRIBUTES POLLUTION – 8018 Occohannock Neck Road, Exmore 23350. Dwelling – cream vinyl siding 2 stories. Unoccupied. Sanitary Notice issued 8-29-13 to Field # 191.
15. CONTRIBUTES POLLUTION – 7780 Bayside Road, Nassawadox 23413. Dwelling – white wood siding 1 story frame with white trim. No contact. Pit privy full to riser 20' from ditch at 7' elevation. Sanitary Notice issued 9-30-13 to Field # 317.
20. CONTRIBUTES POLLUTION – 7109 White Oak Lane, Franktown 23334. Dwelling – tan vinyl siding 1-story. 3 persons. Septic tank riser is cracked exposing contents. Sanitary Notice issued 9-30-13 to Field # 395.
23. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) – Behind 7169 Cedar Grove Farm Road, Birdsnest, 23307. Dwelling – Unfinished plywood pole barn. No contact. Outside kitchen sink drains onto the ground. Sanitary Notice issued 9-19-13 to Field # 405.
25. CONTRIBUTES POLLUTION – 10598 Church Neck Road, Machipongo 23405. Dwelling – Grey wood, 2 stories with adjacent apartment over the garage. No contact. Septic vent pipe was discharging sewage onto the ground surface. Sanitary Notice issued 9-30-13 to Field # 431.

POTENTIAL POLLUTION

3. 5424 Chessawadox Drive, Exmore 23350. Dwelling – brick with grey T1-11 siding 1 story. No contact. 500 gallon fuel tank on top of bank with piping down to boat dock. No containment for the tank.
13. 9010 Wellington Neck Road, Franktown 23334. Dwelling green vinyl siding. 1+ occupants. Owner stated that septic system backs up when a lot of laundry is done. No evidence of malfunction at time of survey.
22. 9474 Bayside Road, Birdsnest 23307. Dwelling – white wood siding 2 stories with white trim. 2 persons. The dwelling is served by a pit privy. There was a washing machine outside with no signs of discharge.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

16. Bayford Oyster Company, 5513 Bayford Road, Franktown 23354. Business - Crab shedding operation with commercial boat dock. 1 employee. Located on property was one 500 gallon gasoline tank, above ground with no physical berms.
17. Fern Point Limited Partnership, 8175 Cherokee Point Road, Franktown 23354. Business – Shellfish shipper. Effluent from shellfish washdown area drains into lagoon 20' from Church Creek at 6' elevation. Disposal is by evaporation. Also located on the property were three above ground fuel tanks; one 1000 gallon diesel tank with a physical berm and two 500 gallon gasoline tanks without berms.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

16. Occupant: Bayford Oyster Company, 5513 Bayford Road, Franktown 23354. Crab shedding operation with commercial boat dock. 1 employee. 10 moorings. Present at time of survey was 10 work boats under 26'. Boating services provided are fuel and in-out ramp. One pit privy is provided as sanitary facilities and a portable toilet dump station located 30' from Nassawadox Creek at 20' elevation. This facility has an exemption to provide boat holding tank pump-out facilities and a variance to the requirement of sanitary facilities.

UNDER SURVEILLANCE

2. Charles West, 7425 Long Point Road, Exmore 23350. Private ramp and pier. No contact. 5 moorings. Present at time of survey was 1 work boat under 26'. The only boating service provided is an in-out ramp. There are no sanitary facilities, no boat holding tank pump-out facilities and no dump station facilities provided at this location.

5. Hideway Development, end of Route 720, Exmore 23350. Owner: Kirkwood & Associates Inc., P.O. Box 750, Exmore 23350. Private community pier. No contact. 3 moorings. There were no boats present at time of survey. There are no boating services, no sanitary facilities, no boat holding tank pump-out facilities and no dump station facilities provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2. 7425 Long Point Road, Exmore 23350. Dwelling – white vinyl siding 2 stories with white trim. No contact. Present at time of survey were 16 fowl. Waste disposal is unknown.
4. 7027 Mackatouces Point Road, Jamesville 23398. Dwelling – yellow vinyl siding 1-story with white trim. Other buildings included a garage. 1 person. Present at time of survey were 100 fowl, sheep, goats, raccoons, and opossums. Manure is collected and composted. Manure from raccoons and opossums is incinerated.
6. ***DIRECT*** – 6617 Smith Lane, Exmore 23350. Dwelling – yellow wood siding 2-story with white trim. Other buildings included a shed and dilapidated house. 1 person. Present at time of survey were 60-65 cattle with direct access to Nassawadox Creek. Manure is collected and spread on fields as fertilizer.
7. Johnson Point Lane, Exmore 23350. Agricultural – horse pastures in agricultural fields. Structures include 1 horse stables, and 1 barn. Present at time of survey were 12 horses located 750' from Nassawadox Creek. Waste disposal is unknown.
8. 5201 James Wharf Road, Exmore 23350. Dwelling – white vinyl siding 2-story. Other buildings include 4 stables. Present at time of survey were 7 horses. Manure is composted and given to local farmers for fertilizer.
10. 8098 Sunset Cove Drive, Exmore 23350. Dwelling – white vinyl siding 2-story with black shutters. Other buildings include a white stable and gray barn. No contact. Present at time of survey were 5 horses confined to fenced pastures. Waste disposal is unknown.
11. 7263 Wellington Neck Road, Exmore 23350. Dwelling – natural wood siding 2-story with white trim and horse stable and barn. 2 persons. Present at time of survey were 5 horses confined to pastures. Waste disposal is natural.
12. ***DIRECT*** – 8154 Gunter Drive, Exmore 23350. Dwelling – cream vinyl siding 1 story with black trim. Outbuildings include a green wood siding pool house, 1 stable and 1 barn. 1 person. Present at time of survey were 2 donkeys with direct access to Warehouse Creek.
14. 7518 Bayside Road, Franktown 23354. Dwelling - brick 2-story and barn. 2 persons. Present at time of survey were 2 horses. Animals are confined to pastures; manure is composted and used as fertilizer.
18. 7020 Bayside Road, Franktown 23354. Dwelling – white wood siding 2-story. 2 persons. Present at time of survey were 40 free range fowl. Manure disposal is natural.
19. 8510 Denwood Road, Franktown 23354. Dwelling – brown wood 2-story. 1+ person. Present at time of survey were 3 horses, 12 geese, 12 chickens, and 1 turkey. Manure is collected and composted.

21. 9038 Bayside Road, Nassawadox 23413. Dwelling - cream vinyl siding 2-story with brown shutters. No contact. Present at time of survey were 10 horses and confined to fenced areas. Waste disposal is unknown.
23. Behind 7169 Cedar Grove Farm Road, Birdsnest 23307. Dwelling – Unfinished plywood pole barn. No contact. This facility is used for semi-annual trail rides with duration of 3-4 days. Hundreds of horses and riders are in attendance. Waste disposal is unknown.
24. 9056 Henderson Road, Machipongo 23405. Barn. Present at time of survey were 3 horses and confined to fenced area. Waste disposal is natural.
26. 3293 Sunset Run, Machipongo 23405. Dwelling – grey vinyl siding 2 stories. Present at time of survey were 12 mixed fowl confined to small pen. Waste disposal is unknown.

SUMMARY

Growing Area # 085
Nassawadox Creek
2 October 2013

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

- 1 – DIRECT – # 27
- 0 – INDIRECT – None.
- 0 – 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 – # 1, 9, 15, 20, 25
- 0 – CP (Kitchen or Laundry Wastes), DIRECT – None
- 1 – CP (Kitchen or Laundry Wastes), INDIRECT – # 23
- 0 – NO FACILITIES, DIRECT – None
- 0 – NO FACILITIES, INDIRECT – None
- 6 – TOTAL

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

- 3 – POTENTIAL POLLUTION – # 3, 13, 22

SECTION C: NON-SEWAGE WASTE SITES

1. INDUSTRIAL WASTE SITES

- 0 – DIRECT – None
- 2 – INDIRECT – # 16, 17
- 2 – TOTAL

2. SOLID WASTE DUMPSITES

- 0 – DIRECT – None
- 0 – INDIRECT – None
- 0 – TOTAL

SECTION D: BOATING ACTIVITY

- 1 – MARINAS – # 16
- 0 – OTHER PLACES WHERE BOATS ARE MOORED – None
- 2 – UNDER SURVEILLANCE – # 2, 5
- 3 – TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

- 2 – DIRECT – # 6, 12
- 13 – INDIRECT – # 2, 4, 7, 8, 10, 11, 14, 18, 19, 21, 23, 24, 26
- 15 – TOTAL

75°57'30"W

75°55'0"W

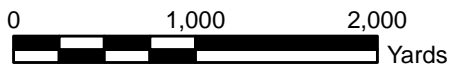
75°52'30"W

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Northampton County

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37°30'0"N

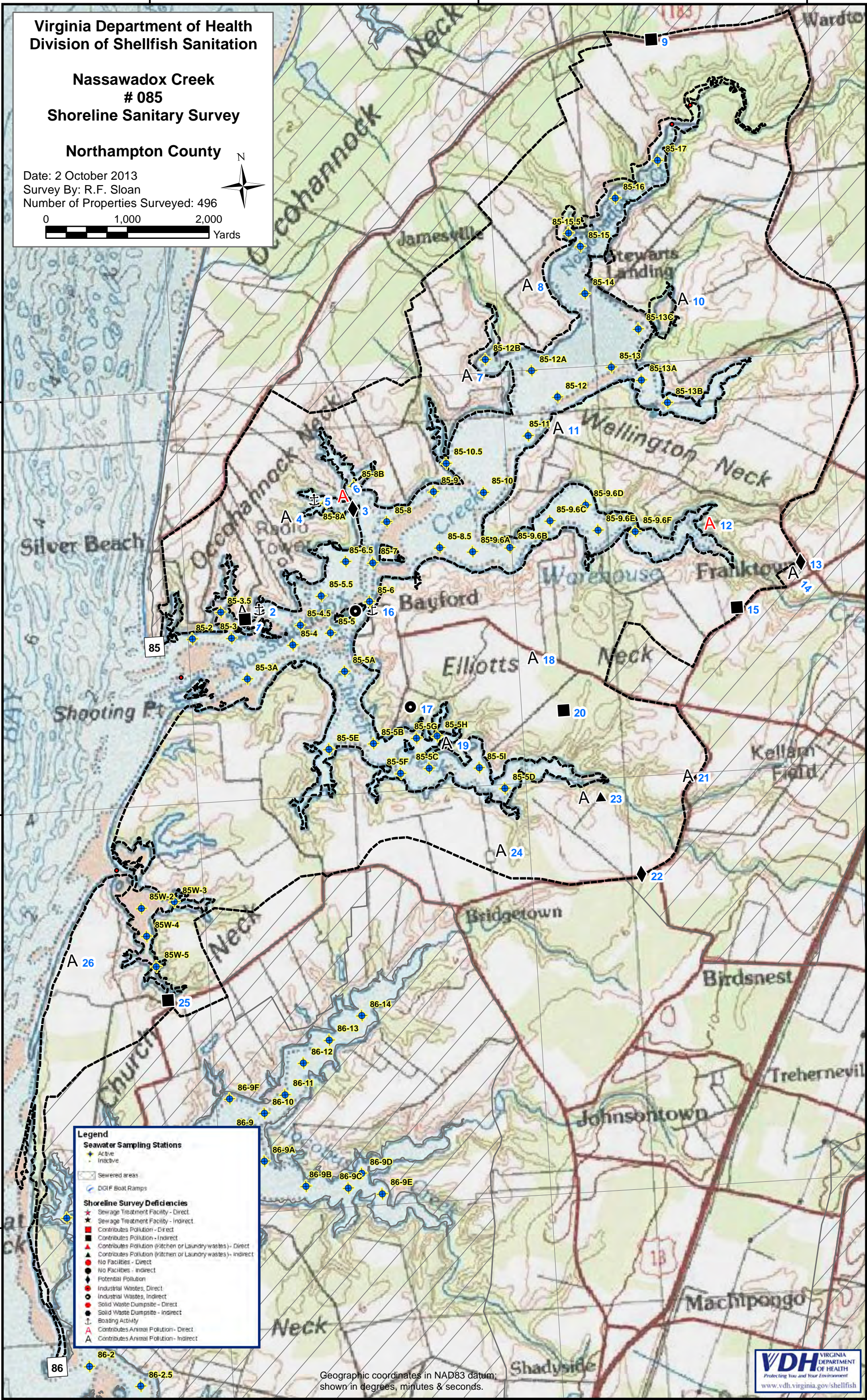
37°27'30"N

37°25'0"N

37°30'0"N

37°27'30"N

37°25'0"N



Legend

Seawater Sampling Stations

- Active (Blue diamond)
- Inactive (Yellow diamond)

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct (Red star)
- Sewage Treatment Facility - Indirect (Black star)
- Contributes Pollution - Direct (Red square)
- Contributes Pollution - Indirect (Black square)
- Contributes Pollution (Kitchen or Laundry wastes) - Direct (Red triangle)
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect (Black triangle)
- No Facilities - Direct (Red circle)
- No Facilities - Indirect (Black circle)
- Potential Pollution (Black diamond)
- Industrial Wastes - Direct (Red circle with dot)
- Industrial Wastes - Indirect (Black circle with dot)
- Solid Waste Dumpsite - Direct (Red circle with horizontal line)
- Solid Waste Dumpsite - Indirect (Black circle with horizontal line)
- Boating Activity (Red circle with vertical line)
- Contributes Animal Pollution - Direct (Red circle with 'A')
- Contributes Animal Pollution - Indirect (Black circle with 'A')

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

