COMMONWEALTH of VIRGINIA
Department of Health
Division of Shellfish Sanitation
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HORN HARBOR AND DYER CREEK
Growing Area # 039
Mathews County
Shoreline Sanitary Survey

Date: 10 April 2003
Survey Period: February 20 - April 2, 2003
Total Number of Properties Surveyed: 537
Surveyed By: G.A. Wood

SECTION A: GENERAL

This survey area extends from Reference Point 39 at Beach Point to Reference Point 40 at New Point Comfort, including the Chesapeake Bay shoreline between these two points, Horn Harbor (Smith Creek), Doctors Creek, Dyer Creek and all of their tributaries.

The area has low elevation, rising to a maximum of 10 feet above sea level. The population is moderate with a concentration of dwellings along the waterfront. Many dwellings are occupied part time as vacation properties. New Point Comfort Campground, which fronts the Chesapeake Bay, has 300 campsites open from April 1 through November 30. The economy is based on local commence, forestry, recreational boating and fishing and a small seafood industry.

Meteorological data indicated that 6.38” of rain fell during the survey period. A monthly breakdown follows:

February 20-28, 2003	1.98”
March	6.38”
April 1-2	0.00”
Total	8.36”

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Copies of the current condemnation notices and maps are available via the Internet at http://www.vdh.virginia.gov/oehs/shellfish/.

Since the last survey was completed in November 1995, the number of sites contributing animal pollution has increased from 2 to 3. Two of these three sites contribute animal pollution directly to Horn Harbor. The number of facilities attracting boating activity has increased from 3 to 5.

New Point Comfort Campground was found to be in good conditions. The 300 campsites all have sewer hookups. Effluent is pumped from a series of holding tanks to 13 sets of drainfields. Each drainfield has 12 lines that are 100 feet in length. The drainfields are 66 feet wide and there are 33 feet between each drainfield. Effluent is periodically pumped from holding tanks to

alternate, non-adjacent fields. The campground has about 3 acres devoted to solid waste, including scrap metal, construction waste, scrapped vehicles and trailers. At the boat ramp that serves the campground, there is a newly installed dump station and pump-out.

Information in this report is gathered and used primarily by the Division of Shellfish Sanitation, Virginia Department of Health, in order to fulfill its responsibilities of shellfish growing area supervision and classification. Data in the report are also made available to other agencies participating in shellfish program activities and other interested parties.

Report copies are provided to the local health department for corrective action of deficiencies listed on the summary page in Section B.2. and B.3., and the Department of Environmental Quality, Water Regional Office for possible action at properties listed on the summary page in Section B.1.

This report lists only those properties that have a sanitary deficiency or have other environmental significance. 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 of the area.

SECTION B: SEWAGE POLLUTION SOURCES

SEWAGE TREATMENT FACILITIES

-None-

ON-SITE SEWAGE DEFICIENCIES

1. CONTRIBUTES POLLUTION – Location: 9445 Line Fen, Hayes 23072 Dwelling - White aluminum siding and red brick 1 story with brown shutters. No contact. Effluent to ground in front yard over septic tank. Sanitary notice issued 2-24-03 to field # 88.

2. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Location: HC 69, Box 9200, Bavon 23103. Dwelling - White vinyl siding 2 story with green shutters. No contact. Laundry wastes drain to ground through 2 inch white PVC pipe. Sanitary notice issued 2-24-03 to field # 104.

3. CONTRIBUTES POLLUTION - Location: HCR 69, Box 110, Port Haywood 23138. Dwelling - Gray wood siding 2 story with red trim. 4 persons. Effluent over drainfield. Sanitary notice issued 2-25-03 to field # 117.

4. CONTRIBUTES POLLUTION - Occupant: PO Box 6, New Point 23215. Dwelling - White vinyl siding on a raised brick crawlspace 1 story with green shutters. No contact. Unapproved top to septic tank. Sanitary notice issued 3-3-02 to field # 147.

5. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Occupant: 389 Dyer's Creek Road, New Point 23215. Owner: 312 Juel Drive, Chesapeake 22332. Dwelling - Green aluminum siding 2 story with white shutters. 2 persons. Laundry waste drains to ground. Landlord repaired the deficiency immediately upon notification. No sanitary notice issued.

8. NO FACILITIES - Occupant: Box 41, New Point 23215. Dwelling - white mobile home with brown trim. 1 person. Pit privy full to riser. House over the privy is collapsing making it unusable. Sanitary notice issued 2-25-03 to field # 129.

10. CONTRIBUTES POLLUTION - Occupant: Box 477, Mathews 23109. Dwelling - White asbestos shingle siding 1½ story with brick trim. 2 persons. Sump pump in septic tank pumps effluent to woods through garden hose.

    CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Laundry waste pumped to ditch through white PVC pipe. Sanitary notice issued 3-10-03 to field # 240.

11. CONTRIBUTES POLLUTION - Occupant: PO Box 27, Susan 23163. Dwelling - Gray shake shingle siding 1½story with white trim. No contact. Undermined drainfield. Effluent flowing to ground surface. Sanitary notice issued 3-10-03 to field # 252.

15. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Location: 141 Bellevue Road, Susan 23163. Dwelling - Gray vinyl siding 1 story with red shutters and white trim. No contact. Laundry wastes piped to ground through 4 inch black plastic drainpipe. Sanitary notice issued 3-28-03 to field # 528.

16. CONTRIBUTES POLLUTION - Occupant: General Delivery, Susan 23163. Dwelling - White wood hardboard and aluminum siding 2 story. No contact. Effluent to ground over septic tank. Sanitary notice issued 3-28-03 to field # 519.

17. CONTRIBUTES POLLUTION - Occupant: PO Box 85, Susan 23163. Dwelling - Tan wood siding 1 story. 1 person. Privy full to riser. Sanitary notice issued 3-27-03 to field # 510.

18. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Location: HC69, Box 8625, Port Haywood 23138. Dwelling - White 2 story wood siding with blue shutters. No contact. Laundry waste to ground through a 2 inch PVC pipe. Sanitary notice issued 3-26-03 to field # 493.

19. CONTRIBUTES POLLUTION, ***DIRECT*** - Occupant: PO Box 14, Port Haywood 23138. Dwelling - Yellow vinyl siding 1½ story with red shutters. 4 persons. Effluent to ground at distribution box flows 100 yards to Horn Harbor via a ditch. Sanitary notice issued 3-13-03 to field # 328.

23. CONTIBUTES POLLUTION, ***DIRECT*** - Location: HC 69, Box 8100, Port Haywood 23138. Dwelling - Tan wood panel siding 1 story with brown trim. 3 persons. Effluent erupting to ground over drainfield. Flows 100 feet to Horn Harbor. Sanitary notice issued 4-2-03 to field # 386.

24. CONTRIBUTES POLLUTION, ***DIRECT*** - Location: HC 69, Box 8260, Port Haywood, 23138. Dwelling - White vinyl siding 2½ story. No contact. Effluent erupting to ground over drainfield. Flows 75 feet to Horn Harbor. Sanitary notice issued 3-18-03 to field # 426.

25. CONTRIBUTES POLLUTION - Occupant: PO Box 917, Mathews 23109. Dwelling - Yellow aluminum siding 2 story with brown shutters. No contact. Septic tank covered with a metal lid and two sheets of scrap glass. Overflow is routed to a ditch. Sanitary notice issued 3-26-03 to field # 488.

26. CONTRIBUTES POLLUTION - Location: 4157 Main Street, Port Haywood 23138. Dwelling - White mobile home. 2 persons. Pit privy full to riser. Sanitary notice issued 3-25-03 to field # 460.

27. CONTRIBUTE POLLUTION (Kitchen or Laundry Wastes) - Occupant: PO Box 2 Port Haywood 23138. Owner: PO Box 131, Port Haywood 23138. Dwelling - White wood siding board and batten 1 story with red trim. 3 persons. Kitchen waste to ditch through 2 inch PVC pipe. Sanitary notice issued 3-25-03 to field # 473.

28. CONTRIBUTES POLLUTION (Kitchen or Laundry Wastes) - Occupant: PO Box 302, Port Haywood 23138. Dwelling - Multi-colored gray/brown asphalt shingle siding 2 story with white trim. 2 persons. Repairs made on contact. No sanitary notice issued.

29. NO FACILITIES - Occupant: Box 298, Mathews 23109. Dwelling - White asphalt shingle siding 1½ story. 4 persons. Vault for vault privy in ground but not in use. Sanitary notice issued 4-2-03 to field # 481.

POTENTIAL POLLUTION

13. Occupant: PO Box 127, Susan 23163. Dwelling - Red brick 1 story with white trim. No contact. 4-inch PVC underground pipe terminates at creek. No origin established. No evidence of pollution.

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

6. New Point Comfort Campground, Box 56, New Point 23125. Owner: Edmund B. and Eva Gay Webster, Jr., 312 Juel Drive, Chesapeake 22332. 5 employees. Campground and marina. Two, 500-gallon gasoline tanks and one, 250 gallon diesel tank newly installed on the dock. Tanks are enclosed in a 2-foot high concrete containment berm.

7. ***Direct*** - Walter C. Burroughs and Son, General Delivery, New Point 23215. Owner: Walter C. Burroughs. 4 employees. Fish trap business. This facility serves as a staging and landing area for a fish trap business. Nets used in fish traps are treated here with copper preservative paint. The nets are dipped into a paint pot positioned in a ditch that leads to Dyer Creek. Most of the excess paint falls back into the paint pot but some does run to Dyer Creek.

20. Horn Harbor Marina, PO Box 37, Port Haywood 23138. Owner: Norman Turner. Commercial marina and railway. 2 employees. One, 1,000-gallon gasoline tank and one, 1,000 gallon diesel tank for sales to boaters and for use in boat yard and lawn maintenance equipment are enclosed in a 2 foot high concrete containment berm. Fuel tanks located within 30 yards of Horn Harbor.

SOLID WASTE DUMPSITES

6. New Point Comfort Campground, Box 56, New Point 23125. Owner: Edmund B. and Eva Gay Webster, Jr., 312 Juel Drive, Chesapeake 22332. Campground and marina. Approximately 3 acres of solid waste. I.e. concrete, old vehicles, trailers, scrap metal, appliances, construction waste, batteries.

SECTION D: BOATING ACTIVITY

MARINAS

6. New Point Comfort Campground, (Eva B. Corporation), General Delivery, New Point 23125. Owner: Edmund B. and Eva Gay Webster, Jr., 312 Juel Drive, Chesapeake 22332. Campground and marina. 5 employees. 94 slips and dry storage for 80 to 100 boats. Present at the time of survey were 11 pleasure boats in dry storage. 8 boats were less than 26 feet, 3 boats were between 26 and 39 feet. Boating services provided are fuel, water, electricity and 2 ramps. Sanitary facilities provided are a newly installed pump-out and dump station; 4 commodes, 3 urinals, 3 lavatories and 4 showers for men, and 5 commodes, 3 lavatories and 4 showers for women. Additional facilities were being added at the time of survey. Sewage is disposed of in a series of drainfields (See *Section A: General*, for a summary of the sewage disposal system), which were in good working order at the time of inspection.

20. Horn Harbor Marina, PO Box 37, Port Haywood 23138. Owner: Norman Turner. Commercial marina and railway. 2 employees. 65 slips and dry storage for 20 boats. Present at the time of survey were 28 pleasure boats less than 26 feet; 16 pleasure boats between 26 and 39 feet, and 4 boats greater than 39 feet in the slips. In dry storage were 3 boats less than 26 feet, 7 between 26 and 39 feet and 4 greater than 39 feet. Boating services provided are fuel, water, electricity, ramp, railway and boat repair. Sanitary facilities provided are 2 commodes, 2 lavatories, 2 showers and 1 urinal for men; 2 commodes, 2 lavatories and 2 showers for women. Sewage is disposed of in a drainfield, which was in good working order at the time of inspection.

OTHERS PLACES WHERE BOATS ARE STORED

7. Walter C. Burroughs and Son, General Delivery, New Point 23215. Owner: Walter C. Burroughs. 4 employees. Fish trap business. This facility serves as a staging and landing site for a fish trap business. Moorage for 6 vessels at the bulkhead. Fuel is the only other service available. Present at the time of survey were 4 workboats. One boat was less than 26 feet, three were between 26 and 39 feet.

21. Mitchem Seafood, Box 274, Mathews 23109. Owner: Dale Mitchem. Fish landing and processing plant. No contact. This facility provides for the landing of commercial fishery products and minimal processing of the catch before it is transferred to refrigerated trucks for shipment elsewhere. Moorage for 10 vessels available at two sites. Docking and fuel are the only services provided. Present at the time of survey were 3 work boats less than 26 feet and 5 work boats greater than 26 feet but less than 39 feet.

22. A & E Outboard Motors, Ltd., General Delivery, Port Haywood 23138: Owner: Edward M. Inge, General Delivery, Hallieford 23068. Boat services and sales. 1 employee. 10 slips and dry storage space for 5 boats. Present at the time of survey were 10 pleasure boats less than 26 feet in length and 2 work boats less than 26 feet in length. Boating services provided are a ramp and motor repair services. Sanitary facilities provided are 1 commode for men and 1 commode for women. Sewage is disposed of in a drainfield that appeared to be in good working order at the time of inspection.

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

9. ***Direct*** – Occupant: PO Box 5, New Point 23125. Dwelling - Green wood siding 2 story with red shutters. No contact. Present at the time of survey was 1 horse with direct access to Smith Creek.

12. ***Direct*** - Occupant: PO Box 1231 Mathews 23109. Dwelling - White vinyl siding 2 story with black shutter. No contact. Present at the time of survey was 1 horse with direct access to Horn Harbor.

14. Occupant: PO Box 86, Mathews 23109. Dwelling - White aluminum siding 2 story with red brick crawlspace. No contact. Present at the time of survey were 4 horses and 1 steer.

SUMMARY

Area 039
Horn Harbor and Dyer Creek
10 April 2003

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.

3 - CONTRIBUTES POLLUTION, DIRECT - # 19, 23, 24
9 - CONTRIBUTES POLLUTION, INDIRECT - # 1, 3, 4, 10, 11, 16, 17, 25, 26
0 - CP(Kitchen or Laundry Wastes), Direct - None
7 - CP(Kitchen or Laundry Wastes), Indirect - # 2, 5, 10, 15, 18, 27, 28
0 - NO FACILITIES, DIRECT - None
2 - NO FACILITIES, INDIRECT - # 8, 29
21 - B.2. TOTAL

3. **POTENTIAL POLLUTION** -

Periodic surveillance of these properties will be maintained to determine any status change.

1 - POTENTIAL POLLUTION - # 13

SECTION C: NON-SEWAGE WASTE SITES

1. **INDUSTRIAL WASTE SITES**

1 - DIRECT - # 7
2 - INDIRECT - # 6, 20
3 - C.1. TOTAL

2. **SOLID WASTE SITES**

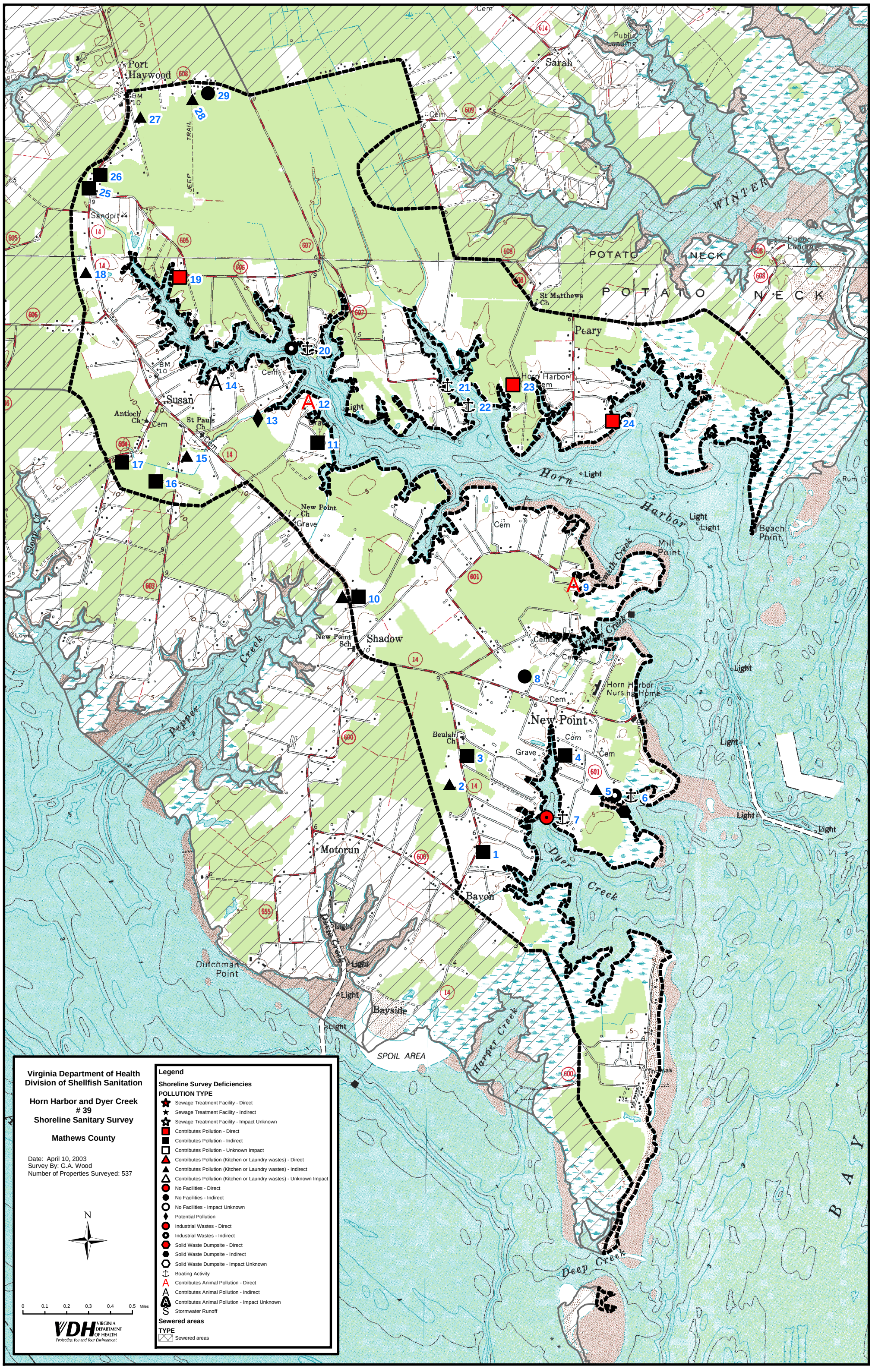
0 - DIRECT - None
1 - INDIRECT - # 6
1 - C.2. TOTAL

SECTION D: BOATING ACTIVITY

2 - MARINAS - # 6, 20
3 - OTHER PLACES WHERE BOATS ARE MOORED - # 7, 21, 22
0 - UNDER SURVEILLANCE - None
5 - D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

2 - DIRECT - # 9, 12
1 - INDIRECT - # 14
3 - E. TOTAL


Virginia Department of Health
Division of Shellfish Sanitation
Horn Harbor and Dyer Creek
39
Shoreline Sanitary Survey
Mathews County
Date: April 10, 2003
Survey By: G.A. Wood
Number of Properties Surveyed: 537
N
0 0.1 0.2 0.3 0.4 0.5 Miles
VDH VIRGINIA DEPARTMENT OF HEALTH
Protecting You and Your Environment
Legend
Shoreline Survey Deficiencies
POLLUTION TYPE
Sewage Treatment Facility - Direct
Sewage Treatment Facility - Indirect
Sewage Treatment Facility - Impact Unknown
Contributes Pollution - Direct
Contributes Pollution - Indirect
Contributes Pollution - Unknown Impact
Contributes Pollution (Kitchen or Laundry wastes) - Direct
Contributes Pollution (Kitchen or Laundry wastes) - Indirect
Contributes Pollution (Kitchen or Laundry wastes) - Unknown Impact
No Facilities - Direct
No Facilities - Indirect
No Facilities - Impact Unknown
Potential Pollution
Industrial Wastes - Direct
Industrial Wastes - Indirect
Solid Waste Dumpsite - Direct
Solid Waste Dumpsite - Indirect
Solid Waste Dumpsite - Impact Unknown
Boating Activity
Contributes Animal Pollution - Direct
Contributes Animal Pollution - Indirect
Contributes Animal Pollution - Impact Unknown
Stormwater Runoff
Sewered areas
TYPE
Sewered areas
Port Haywood
Sarah
Public Landing
WINTER
POTATO NECK
St Matthews Ch
Peary
Horn Harbor Cem
Susan
Antioch Ch
St Pauls Ch
New Point Ch
Shadow
New Point Sch
Horn Harbor
Mill Point
Beach Point
Horn Harbor Nursing Home
New Point
Beulah Ch
Motorun
Bayon
Dyer Creek
Dutchman Point
Bayside
SPOIL AREA
Harper Creek
Deep Creek
Pepper Creek
Slopy Cr
BAY
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