



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION

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OLD PLANTATION AND ELLIOTTS CREEKS

Growing Area # 090
Shoreline Sanitary Survey
Northampton County

Date: 20 December 2010

Survey Period: November 19 – December 10, 2010

Total Number of Properties Surveyed: 89

Surveyed By: S.I. Salido

SECTION A: GENERAL

This survey area extends from Reference Point 90 at Cherrystone Channel South Shore Light to Reference Point 91 off Route 1901 extended to the shoreline, including the Chesapeake Bay shoreline between these two points, Allegood Pond, Old Plantation Creek (Long Pond), Costin Pond, Elliotts Creek, and all of their tributaries. The survey boundary has been revised. See map for current boundary. The topography of the area varies from 5' or less along the shoreline to a maximum of 40' along the southeastern edge of the survey boundary. The population is primarily sparse and the economy relies mainly on agriculture.

Meteorological data indicated that there was no rainfall for the month of November and 0.35" total rainfall for December.

Bay Creek Resort and Club, a large residential golfing resort including two 18-hole golf courses, has been constructed along the north side of Old Plantation Creek and development here continues. There are five major housing developments within the resort area (The Signature, The Hollies, Plantation Pointe, Bayside Village, and Heron Pointe) consisting of 418 buildable lots. Approximately 74 lots have been developed. The sewerage system for the resort is connected to the Cape Charles Waste Water Treatment Facility. There are substantial hard clam aquaculture operations in Old Plantation Creek and non-point source pollution from the resort, should it occur, could possibly affect the water quality in this area.

The current restriction on shellfish harvesting is Condemned Shellfish Area # 090-152, Old Plantation Creek, with an effective date of 15 December 2009. Copies of bacteriological, hydrographical, and shellfish closure data are available at the area field office for review. Copies of the current condemnation notices and maps are available via the internet at <http://www.vdh.virginia.gov/oehs/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 responsibilities of shellfish growing area supervision and classification. However, the data is made available to various agencies participating in shellfish program coordinated 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 the Department of Environmental Quality for possible action at properties listed on the summary page in Sections 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 that have a sanitary deficiency or 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 WORKS

-None-

ONSITE SEWAGE DEFICIENCIES

-None-

POTENTIAL POLLUTION

1. Location: Bay Creek Resorts and Club, Bay Creek Pkwy and Palmer Drive, Cape Charles 23310. Maintenance building(s) – location of ground maintenance operations for Bay Creek Resort. Large, 4-car capacity garage with connecting office building, chemical storage building (storage of pesticides, fertilizer, etc.), two large dumpsters and one grease dumpster for restaurant waste, two above ground oil tanks and various work vehicles. Empty chemical containers observed on the ground of the paved parking area. Ground maintenance activity ongoing at time of inspection.

SECTION C: NONSEWAGE WASTE SITES

INDUSTRIAL WASTES

-None-

SOLID WASTE DUMPSITES

2. Occupant: Eastern Shore Recycle, 24206 Lankford Highway, Cape Charles 23310. Business – metal recycling yard open to the public. Approximately 3 acre fenced area containing metal scraps and several dumpsters.

SECTION D: BOATING ACTIVITY

MARINAS

-None-

OTHER PLACES WHERE BOATS ARE MOORED

-None-

UNDER SURVEILLANCE

-None-

SECTION E: CONTRIBUTES ANIMAL POLLUTION

3. Location: 25112 Lankford Highway, Cape Charles 23310. Dwelling – present at time of survey were 3 horses, 10 sheep, and 15 chickens in a fenced area 300' from Old Plantation Creek. Manure disposal is natural.

SUMMARY

Area # 090
Old Plantation and Elliotts Creeks
20 December 2010

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT WORK

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

2. ONSITE 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
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.

1 – POTENTIAL POLLUTION – # 1

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
1 – INDIRECT – # 2
1 – C.2. TOTAL

SECTION D: BOATING ACTIVITY

0 – MARINAS – None
0 – OTHER PLACES WHERE BOATS ARE MOORED – None
0 – UNDER SURVEILLANCE – None
0 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

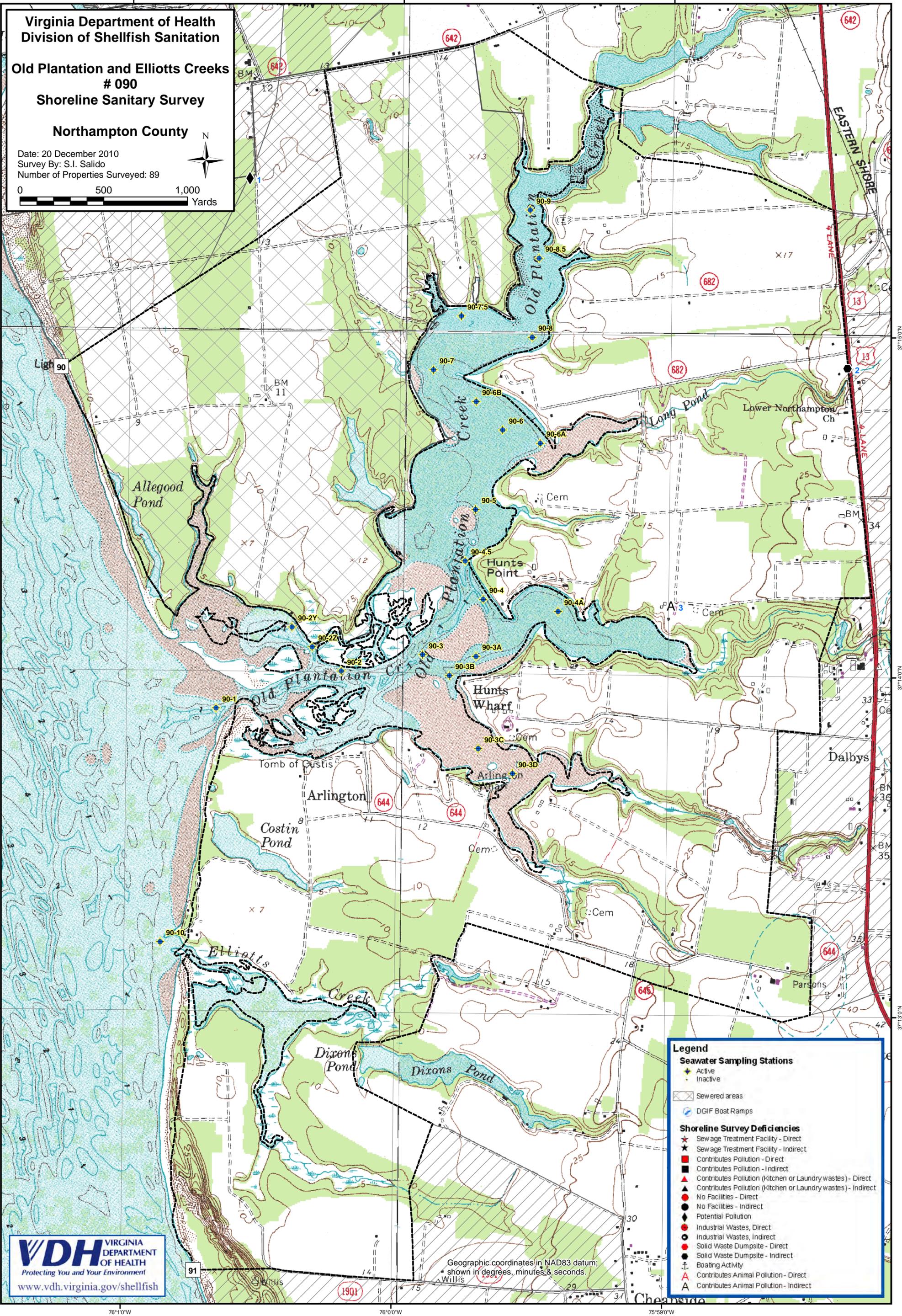
0 – DIRECT – None
1 – INDIRECT – # 3
1 – E. TOTAL

Virginia Department of Health
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090
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Legend

Seawater Sampling Stations

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

Shoreline Survey Deficiencies

- Sewered areas (Hatched area)
- DGIF Boat Ramps (Blue circle with 'B')
- 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 'I')
- Industrial Wastes, Indirect (Black circle with 'I')
- Solid Waste Dumpsite - Direct (Red circle with 'S')
- Solid Waste Dumpsite - Indirect (Black circle with 'S')
- Boating Activity (Blue circle with 'B')
- 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.