COMMONWEALTH of VIRGINIA
Department of Health
DIVISION OF SHELLFISH SANITATION
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JAMES RIVER: MULBERRY POINT TO JAMESTOWN ISLAND
James City County and City of Newport News
Growing Area # 059
Shoreline Sanitary Survey

Date: 15 February 2012
Survey Period: November 18 – December 23, 2011
Total Number of Properties: 20
Surveyed by: J.D. Dickerson

SECTION A: GENERAL

This survey area extends from the eastern side of the Route 199 (College Creek) Bridge in Williamsburg to Mulberry Point on the Fort Eustis Military installation, including the James River Shoreline between these two points, College Creek (Halfway Creek), Moody Pond, Warehams Pond, Grove Creek, Grices Run, Skiffes Creek to the Skiffes Creek Reservoir Dam (Bailey Creek and Wood Creek), Eustis Pond, Milstead Creek, Island Creek, Blows Creek, Morleys Gut, Fort Creek and all of their tributaries.

The topography of the area is fairly low near the southern boundary occupied by the Fort Eustis Military Base. Elevations here range from 0-10' in the Mulberry Island portion to a maximum of 20-30' just northeast of Eustis Lake. Towards the northern portions of the survey area in James City County and the City of Williamsburg elevation rise sharply from the shoreline to a maximum of 50-70'. The population density ranges from moderate to heavy in the large private subdivision of Kingsmill and Kingspoint. Tourism is a major economic factor her with the attractions of Colonial Williamsburg and Busch Gardens Amusement Park. Large portions of land are occupied by commercial/industrial properties, especially along Skiffes Creek.

The economy is primarily based on tourism, military installations, and general commerce.

Meteorological data indicated that the area received 0.83" of rain November 18-31 and 0.98" of rain December 1-23, for a total rainfall of 1.81" for the survey period.

The former BASF plant remains closed and the disposition of the property has yet to be determined. The facility retains its VPDES permit (# VA0003654) from DEQ for the discharge of storm water, which is monitored quarterly. The property continues to be in various stages of remediation for possible soil and ground water contamination resulting from past industrial activities.

During the previous survey Carters Grove Plantation was owned by the Colonial Williamsburg Foundation and open to the public, however this property is now privately owned. The owner of the property is currently in legal proceedings with the former owner concerning the transaction

and the property may be in foreclosure proceedings. All access to this property is now gated and restricted. This location was previously noted as having on-site sewage disposal systems and was also a source of animal pollution. Due to the inability to gain access to this property these facts were unable to be confirmed during this survey

The James River Reserve Fleet currently has 20 vessels in its inventory. While several of these vessels are scheduled for disposal in the distant future, the JRRF will continue to be a presence in this survey area. The vessels are monitored on a daily basis for water infiltration and general maintenance issues via both visual and physical inspections.

Access to Skiffes Creek is strictly controlled by port security at the Fort Eustis Military Base. No recreational or commercial boating activity is authorized within this area. The remainder of the survey area is popular for recreational boat traffic.

Copies of bacteriological, hydrographical, and shellfish closure data are available at the Norfolk field office for review. Copies of the current condemnation notices and maps are available via the internet at http://www.vdh.virginia.gov/shellfish/.

This boundary of this area has been revised since the previous survey. This revision is reflected in the reduction of the number of properties surveyed and the overall number of significant properties.

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 Central Office of the Division of Shellfish Sanitation in Richmond 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

3. ***DIRECT*** – Occupant: Williamsburg Sewage Treatment Plant, 300 Ron Springs Drive, Williamsburg, 23185. Owner: Hampton Roads Sanitation District, 1436 Air Rail Avenue, Virginia Beach 23455. Plant has a design flow of 22.5 MGD. Treatment consists of primary and secondary sedimentation, activated sludge aeration, chlorination and dechlorination. Bio-solids remaining from the treatment process are disposed of by incinerated. Plant has VPDES permit # VA0081302 from DEQ/TRO.

ON-SITE SEWAGE DEFICIENCIES

-None-

POTENTIAL POLLUTION

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTE

4. ***DIRECT*** – BASF Plant, 8961 Pocahontas Trail, Williamsburg 23185. This location is a former plastics manufacturing plant which remains closed. The site remains under surveillance by DEQ for possible storm water discharges from the surrounding buildings and land. Has VPDES permit # VA0003654 from DEQ. The storm water prevention plan for this facility includes active constructed wetlands as well as monthly visual inspections of outfalls. Outfalls discharge ultimately to the James River.

5. Ready Mix Concrete Plant # 47, 1572 Manufacture Drive, Williamsburg 23185. Commercial concrete mixing operation. No contact. Plant operates an adjacent sand pit where raw materials are collected. Facility has a 4 basin treatment system for treatment of runoff form loading pad and wash rack area. Basin water is recycled and used at the wash rack area. Plant operates in a no discharge mode with the exception of sporadic storm related weather events where extensive rainfall could overload the collection basins. Has general permit #VAG110039 from DEQ.

6. ***DIRECT*** – Joint Base Langley Eustis, Directorate of Public Works, 1407 Washington Boulevard, Fort Eustis 23604. Military base housing various transportation units of the U.S. Army. Facility discharges storm water from 38 individual outfalls into Skiffes Creek and James River. Outfall # 076 is associated with the James River Reserve Fleet facility and is the only outfall requiring annual monitoring. Has permit # VA0025216 from DEQ.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINA

2. Kings Mill Marina, 1010 Kings Mill Road, Williamsburg 23185. Owner: Kings Mill Property Owners Association, 100 Kings Mill Road, Williamsburg 23185. Private marina. 3 employees. 63 seasonal slips and 15 transient slips available. Present at time of most recent marina inspection were 16 boats under 26’ and 21 boats over 26’. Boating services provided are fuel, water, electricity, and in-out ramp. Containers are available for solid waste disposal. Sanitary facilities provided are 2 commodes, 2 urinals, 2 lavatories and 1 shower for men: and for women there are 3 commodes, 2 lavatories and 1 shower. Sewage disposal is to HRSD. Boat holding tank pump-out facilities and dump station facilities are provided at this location.

OTHER PLACES WHERE BOATS ARE MOORED

1. Kings Point Club, North Point Drive, Williamsburg 23185. Owner: Kings Point Club, Inc., PO Box 365, Williamsburg 23185. Private club for residents of Kings Point Subdivision. No Contact. 0 slips available. The only boating service provided is an in-out ramp. Sanitary facilities provided are 1 commode, 1 lavatory; 1 shower for men, and 1 commode, 1 lavatory; 1 shower for women. Sewage disposal is by connection to the Hampton Roads Sanitation District. There are no dump station facilities at this location. Has an exemption to the requirement of providing boat holding tank pump-out facilities. Sanitary facilities are only open during the warm weather months when the pool is open.

Facility does not allow vessels with either portable toilets or on board sewage holding tanks.

7. Joint Base Langley Eustis (Skiffes Creek Harbor), Directorate of Public Works, 1407 Washington Boulevard, Fort Eustis 23604. Mooring for military transportation vessels. Access to Skiffes Creek is restricted to military boat traffic only. Port supports 25-30 vessels of various sizes. All vessels with onboard sewage facilities are required to connect to shore based sewage collection systems when in port. Collection system on base is operated by Old Dominion Utility Services with final treatment at the HRSD Williamsburg Treatment Plant. Numerous sanitary facilities are available in personnel buildings surrounding the port.

9. James River Reserve Fleet, 2612 Harrison Road, Fort Eustis 23604. Facility is operated by the U.S. Department of Transportation Maritime Administration and is part of the National Defense Reserve Fleet. Currently moored offshore in the James River are 20 vessels in various states of repair or readiness. The condition of each vessel is monitored regularly for water infiltration and hazardous discharges thru routine physical inspections and daily visual inspections. Although efforts in recent years have been effective at reducing the overall size of the fleet it will continue to have a presence in this area for the foreseeable future.

UNDER SURVEILLANCE

-None-

CONTRIBUTES ANIMAL POLLUTION

8. Fort Eustis Stables, Building 2010 Harrison Road, Fort Eustis 23604. Private stables for active and retired military service members. 1 person. At time of survey there were 18 horses being housed in the stables. Manure is collected in roll back dumpsters and transported off site for disposal at the Bethel Sanitary Landfill in Hampton.

SUMMARY

Area # 059
James River: Mulberry Point to Jamestown Island
15 February 2012

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # 3
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

2 – DIRECT – # 4, 6
1 – INDIRECT – # 5
3 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

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

SECTION D: BOATING ACTIVITY

1 – MARINAS – # 2
3 – OTHER PLACES WHERE BOATS ARE MOORED – #1, 7, 9
0 – UNDER SURVEILLANCE – None
4 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

0 – DIRECT – None
1 – INDIRECT – #8
1 – E. TOTAL

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Division of Shellfish Sanitation

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059
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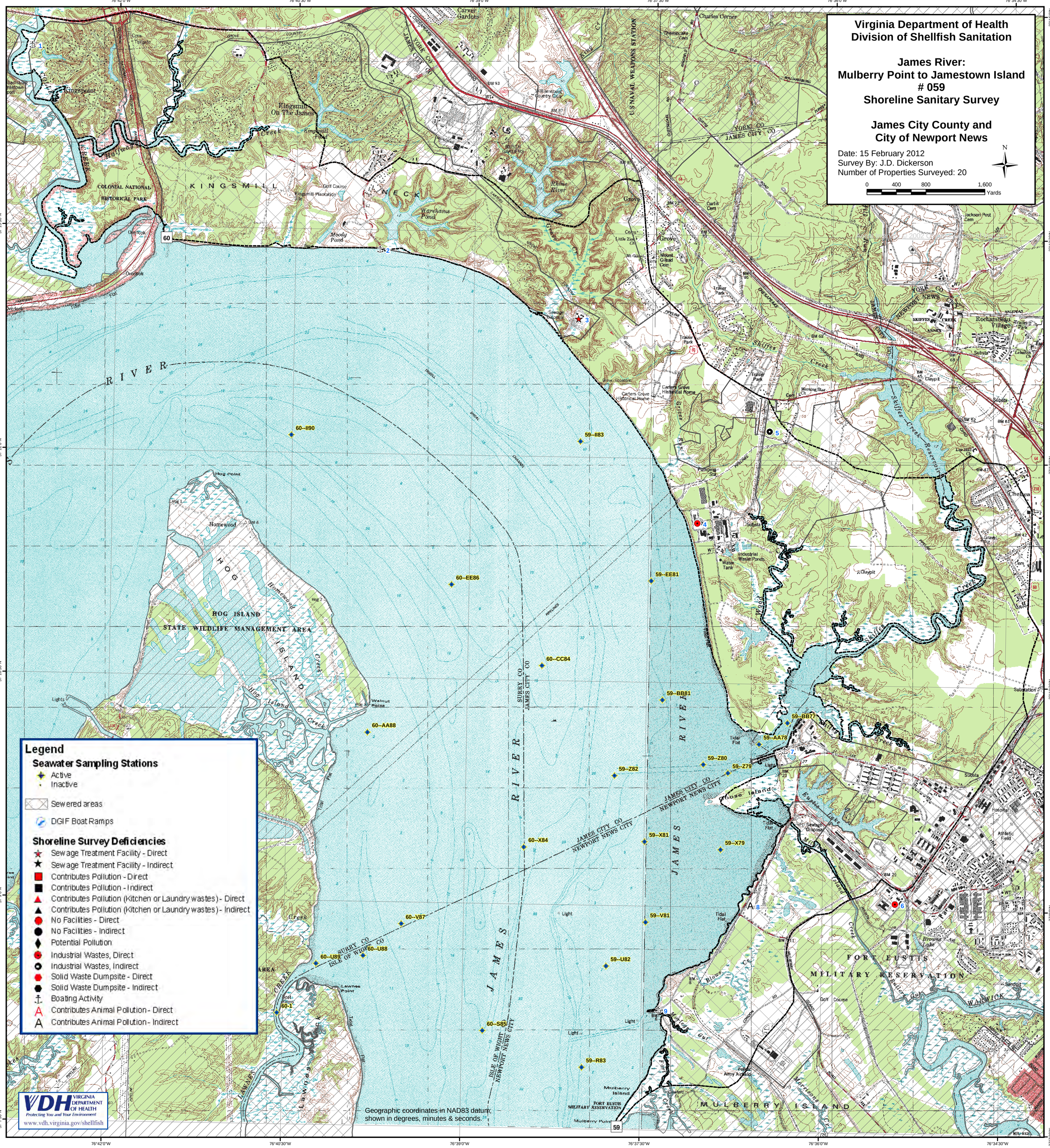
N

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