JAMES RIVER: NEWPORT NEWS POINT TO DEEP CREEK
Growing Area # 057
Cities of Hampton and Newport News
Shoreline Sanitary Survey

Date: 9 September 2010 – Revised: 22 October 2010
Survey Period: April 26, 2010 – June 11, 2010
Total Number of Properties: 50
Surveyed By: J.D. Dickerson

SECTION A: GENERAL

This survey area extends from Reference Point 57 at Newport News Point to Reference Point 58 at Blunt Point, including the James River shoreline between these points, Newport News Creek (Small Boat Harbor), Lake Maury, Kettle Pond, Country Club Creek, Indigo Lake and all of their tributaries.

The topography is characterized by an immediate rise in elevation along the shoreline to moderate heights and then leveling out to form a broad plateau. In the southeastern portion, the shoreline rises abruptly from 10’ to 15’, leveling out at approximately 20’. The relief increases in the upstream portions, with shoreline elevations reaching 25’ to 30’.

The population is very dense throughout the survey area. The area economy depends upon general metropolitan commerce, seafood, tourism, various military installations, and large industrial operations including Northrup Grumman Newport News Shipbuilding, Dominion Terminal Associates, Davis Boat Works, Kinder Morgan Pier IX Terminal (coal storage and shipment) and Koch Materials Company.

Meteorological data indicated that 4.63” of rain fell during the survey period. A monthly breakdown follows: April 26-30 0.57” May 3.64” June 1-11 0.42”

Boating activity involves a full range of vessel types, sizes, and associated support activities. Several industrial facilities along the Newport News waterfront have moorings for large military, shipping or service vessels. These facilities are not regulated by the Division of Wastewater Engineering, Marina Program, however these facilities are included in this survey as present a large portion of the boating activity in the survey area. The Newport New Seafood Industrial Parke encompasses all of the shoreline around the small boat harbor. The bulkhead is owned by the city and business along the wharf are allowed access to it. For this reason there is not a separate entry for each facility along the small boat harbor in the boating activity section of this report. A number of seafood processing facilities are located within the boundary of this survey. Seafood products landed and processed include scallops, whelks, shellstock clams and crabs.

Of the 5 seafood processing establishments located within the survey area two have direct
permitted discharges to shellfish waters; Casey Seafood (VA19-C) and Old Point Packing (VA1176-SP).

Most of the area is serviced by a public sewerage system operated by the Hampton Roads Sanitation District (HRSD) and is connected to either the Boat Harbor Sewage Treatment facility, which discharges into the James River at Newport News Point; or the James River Sewage Treatment facility which discharges into the Warwick River. Sanitary wastes generated by the Monitor-Merrimac Memorial Bridge Tunnel offices located on the south island are held in a 1500 gallon tank with a high-water alarm, and are pumped at least three times a week by an approved sewage disposal company. Wastes generated from the north service island go directly to the public sewerage system in Newport News. The James River Bridge tender station utilizes a 500 gallon holding tank for sanitary waste. This tank is pumped once every three weeks and disposed of at the HRSD Boat Harbor Treatment Plant.

The public waterways encompassed within the boundaries of survey area 57 are subject to heavy merchant, commercial, military and private marine vessel traffic and any potential effects that these activities may have on shellfish waters.

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Copies of the last inspections from all permitted storm water and industrial waste outfalls can be obtained from the Department of Environmental Quality, Tidewater Regional Office.

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 are made available to various agencies participating in shellfish program coordinated 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

9. **DIRECT** – Hampton Roads Sanitation District, Small Boat Harbor Sewage Treatment Facility, Newport News, 23607. Has discharge permit #VA0081256 from DEQ/TRO. Treatments consist of primary and secondary sedimentation, activated sludge and flotation thickening tanks, chlorination/dechlorination and phosphorous removal. Effluent
is discharged to the James River at Newport News Point. The most recent DEQ inspection report is available by request.

**ON-SITE SEWAGE DEFICIENCIES**
-None-

**POTENTIAL POLLUTION**
-None-

**SECTION C: NONSEWAGE WASTE SITES**

**INDUSTRIAL WASTES**

4. *DIRECT* – Newport News Shipbuilding and Dry Dock Company, 4101 Washington Avenue, Newport News 23607. Business – shipbuilding, ship overhauls, refits, and repairs. Approximately 18,000 employees. Capabilities include nuclear vessel construction, repair and refueling, metals founding, fabrication, tooling, welding, sandblasting, and painting. Over 200 buildings, 6 piers, 2 shipways, 2 outfitting berths, 8 dry docks (1 floating) and 2 floating dormitories, all located between 31\textsuperscript{st} and 70\textsuperscript{th} Streets. There are 37 above ground storage tanks with capacities in excess of 500 gallons located on the facility for the storage of fuels, recovered oil, and oily wastewater. Has VPDES permit #VA0004804 from the Department of Environmental Quality. This permit covers a total of 184 outfalls, which are characterized variously as non-contact cooling water, storm water drainage, air conditioning, condensate, cooling water, drinking fountain drainage, neutralizer, groundwater and gate leakage, dry dock dewatering & drainage, boiler regeneration water, steam condensate.

5. *DIRECT* – Location: Pier IX, Harbor Road, Newport News 23607. Occupant: Kinder Morgan Bulk Terminals, Inc., PO Box 38, Newport News 23607. Owner: Kinder Morgan, Inc., Houston Texas. Business – coal distribution terminal. Approximately 50 employees. Onshore facilities are bermed to retain runoff. Runoff is collected, passed through an oil/water separator, sent to retention ponds and reused in coal dust suppression spraying system. There is one outfall (#001) from the retention pond and two outfalls (#002, #003) from street drains to the James River. Has VPDES permit #VA0057142 from the Department of Environmental Quality.

6. *DIRECT* – Location: Pier XI, Harbor Road, Newport News 23607. Owner: Dominion Terminal Associates, PO Box 967A, Newport News 23607. Business – bulk coal distribution terminal. 59 employees. Closed cycle water spraying used on facility to keep coal dust to a minimum. Onshore facilities and pier are bermed to prevent runoff from entering the James River. Runoff is collected in retention ponds and reused. Has VPDES permit #VA0057576 from the Department of Environmental Quality.

7. *DIRECT* – Occupant: Koch Materials Company, Inc., 801 Terminal Avenue, Newport News 23607. Owner: Koch Industries, PO Box 2256, Wichita, Kansas 67201. Business – liquid asphalt distribution terminal. 11 employees. 41 above ground tanks or various sizes, totaling 23 million gallons storage capacity contain asphalt, asphalt emulsions, and associated chemicals (organic solvents) surrounded by earthen concrete and asphalt retention berms. Storm water is collected in retention ponds and pumped through an oil/water separator to 3 outfalls. Has VPDES permit #VA0055832 from the Department of Environmental Quality.
10. **DIRECT** – Occupant: Monitor-Merrimac Bridge Tunnel, Newport News 23607. Owner: Virginia Department of Transportation, 1221 East Broad Street, Richmond 23219. Public – tunnel maintenance facility. 108 employees. Storm water in tunnels are collected with a sump pump and pumped to holding/sedimentation tanks and outfalls (#001, #002). Has VPDES permit #VA0080179 from the Department of Environmental Quality.


14. Occupant: Papco Oil Company, 407 Jefferson Avenue, Newport News 23607. Owner: City of Newport News Seafood Industrial Park, 101 Jefferson Avenue, Newport News 23607. Business – wholesale fuel retailer. 15 employees. Two 500,000 gal., two 200,000 gal., two 160,000 gal., two 3,000 gal., one 6,000 gal., and two 1,000 gal. above ground storage tanks used for storing diesel fuel, kerosene, gasoline and lube oil. All tanks are contained within a concrete block retention wall, located adjacent to Small Boat Harbor.


**SOLID WASTE DUMPSITES**

- None -

**SECTION D: BOATING ACTIVITY**

**MARINAS**

3. Leeward Marina, 7499 River Road, Newport News 23607. Owner: City of Newport News, 2400 Washington Street, Newport News 23607. Marine – public marina. 7 employees. 206 slips/moorings. Present at time of survey were 73 pleasure boats under 26’ and 55 pleasure boats over 26’. Boating services provided are fuel, water, and electricity at slips. Sanitary facilities provided are 3 commodes, 2 urinals, 4 lavatories, and 2 showers for men; and 5 commodes, 4 lavatories, and 2 showers for women. Boat holding tank pump-out facilities and portable toilet dump-station facilities area available at this location. Sewage disposal is by public sewer to the Hampton Roads Sanitation District.
**OTHER PLACES WHERE BOATS ARE MOORED**

1. James River Country Club, 1500 Country Club Road, Newport News. No contact. Private country club. 7 slips and moorings available. No boats present at time of survey. There are no boating services provided at this location. Sanitary facilities include 1 commode, 2 lavatories, 2 showers and 2 urinals for men; and 2 commodes, 2 lavatories and 2 showers for women. Sewage disposal is to HRSD.

4. Newport News Shipbuilding and Dry Dock Company, 4101 Washington Avenue, Newport News 23607. Marine – Shipbuilding, ship overhauls, refits, and repairs. Approximately 18,000 employees and approximately 8000 attached U.S. Naval personnel. Facility contains 6 piers, 2 shipways, 2 outfitting berths, 8 dry docks (1 floating), and 2 floating dormitories. Present at time of survey were 2 work boats 20’, 5 work boats over 20’, 2 tug boats, 1 security boat (35’) and 6 ships in varying stages of construction or repair. Boating services provided are electricity, water, provisioning, dry docking, and ship repair (hull and engine). Sanitary facilities provided are 260 commodes, 355 urinals, 260 lavatories, 50 showers and 30 privies (portable toilets) for men; and 155 commodes, 105 lavatories and 40 showers for women. Has direct ship to shore sewer connections for ships berthed at this facility and floating dormitories. Sewage disposal is by public sewer to the Hampton Roads Sanitation District. Privies are pumped 3 times each week and the waste is treated at HRSD. There is no boat holding tank pump-out facility provided at this location.

5. Kinder Morgan Bulk Terminals, Inc., PO Box 38, Newport News 23607. Location: Pier IX, Harbor Road, Newport News 23607. Owner: Kinder Morgan, Inc., Houston Texas. Business – coal distribution terminal. Approximately 50 employees. 2 slips/2 moorings. There were no boats present at time of survey. The only boating service provided is water. Sanitary facilities provided are 15 commodes, 15 urinals, 10 lavatories, and 10 showers for men; and 5 commodes, 3 lavatories, and 1 shower for women. Sewage disposal is by public sewer to Hampton Roads Sanitation District. There are no boat holding tank pump-out or dump station facilities provided at this location.

6. Dominion Terminal Associates, PO Box 967A, Newport News 23607. Location: Pier XI, Harbor Road, Newport News 23607. Business – bulk coal distribution terminal. 59 employees. 2 moorings. There were no boats present at time of survey. The only boating service provided is water. Sanitary facilities provided are 15 commodes, 15 urinals, 8 lavatories, and 10 showers for men; and 5 commodes, 3 lavatories, and 1 shower for women. Sewage disposal is by public sewer to Hampton Roads Sanitation District. There are no boat holding tank pump-out or dump station facilities provided at this location.

7. Koch Materials Company, Inc., 801 Terminal Avenue, Newport News 23607. Owner: Koch Industries, PO Box 2256, Wichita Kansas, 67201. Business – Liquid asphalt distribution terminal. 11 employees. 1 tanker pier and 1 barge pier. There were no boats present at the time of survey. There are no boating services provided at this location. Sanitary facilities provided are 3 commodes, 3 urinals, 2 lavatories, and 1 shower for men; and 1 commode and 1 lavatory for women. Sewage disposal is by public sewer to Hampton Roads Sanitation District. There are no boat holding tank pump-out or dump station facilities provided at this location.

8. Newport News Marine Terminals, 25th Street and Warwick Boulevard, Newport News 23607. Owner: Virginia Port Authority, 600 World Trade Center, Norfolk 23510. Business – bulk and containerized cargo loading. Approximately 100 employees. 7 slips/moorings. There were no boats present at time of survey. Boating services provided are electricity, water and provisioning. Sanitary facilities provided are 12 commodes, 15 urinals, 8 lavatories, and 5 showers for men; and 5 commodes, 3 lavatories, and 1 shower for women. Sewage disposal is by public sewer to Hampton Roads Sanitation District.
11. City of Newport News Seafood Industrial Park, 101 Jefferson Avenue, Newport News 23607. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23607. 1 employee. Marine – developed industrial park providing boat dockage for use by marine and seafood businesses surrounding Small Boat Harbor. The facility includes all of the property surrounding the Small Boat Harbor, and 2 large piers extending out 900’ and 600’. The east side of the bulkhead is rented out to businesses, the first 100’ of the west side is used for a loading platform and the remainder of the 1700’ bulkhead is used by fishermen and small boats. The concrete Phase One pier is 20’x900’; the first 250’ is leased to commercial trawlers, used for seafood offloading, and transient moorings; the remaining 650’ is used for tugboat and fireboat mooring. The Tandum pier is 20’x600’; the entire east side is leased to McAlister Towing of Virginia for moorings, and the west side is used for lay vessel tugboats and trawler moorings. The Industrial Park provides only mooring and berthing as a direct boating service, however, boat fueling, water, electricity, marine supply, boat (hull and engine) repair, marine salvage, boat hoist, catch unloading and ice are provided by tenants of the park. Sanitary facilities are provided only through the renting tenants within 100’ along the bulkheads of the Harbor. Sewage disposal is by public sewer to Hampton Roads Sanitation District. The Industrial Park provides a holding tank pump-out station and ejection system for boats, however there is no dump station provided.

16. Ready Reserve Force, 2215 Harbor Road, Newport News 23607. Owner: U.S. Department of Transportation, Maritime Administration, 1200 New Jersey Avenue, SE, Washington D.C. 20590. Marine dockage for military supply and transport vessels. Vessels are operated by the Maritime Administration until activated and then are controlled by the U.S. Navy Military Sealift Command. Present at time of survey were 3 large supply ships. Boating services provided are water and electricity. There are no sanitary facilities and no holding tank pump out facilities available at this location.

17. Piers 14 & 15, Jerry O. Talton, Inc., 350 & 450 Harbor Road, Newport News 23607. Owner: U.S. Navy Military Sealift Command, Pre-positioning Program, 914 Charles Morris Court, NE, Washington Navy Yard, Washington D.C. 20398. Dockage for military cargo ships assigned to the Prepositioning program of the U.S. Navy Military Sealift Command. Present at time of survey were 5 large cargo vessels. Boating services provided are water and electricity. There are no sanitary facilities and no holding tank pump out facilities available at this location.

UNDER SURVEILLANCE

2. Huntington Park Boat Launch, 5500 West Mercury Boulevard, Newport News 23607. Owner: City of Newport News, 2400 Washington Street, Newport News 23607. Marine – Municipal boat ramp and public beach. 2 boat in-out ramps. There were no boats present at time of survey. The parking lot can accommodate approximately 75 boat trailers. The only boating services provided are the in-out ramps. Sanitary facilities provided are 3 commodes, 2 urinals, 4 lavatories, and 1 shower for men; and 5 commodes, 4 lavatories, and 1 shower for women. Sewage disposal is by public sewer to HRSD. There are no boat holding tank pump-out facilities provided at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

-None-
SUMMARY

Area # 057
James River: Newport News Point to Deep Creek
9 September 2010 – Revised: 22 October 2010

SECTION B: SEWAGE POLLUTION SOURCES
1. SEWAGE TREATMENT FACILITIES
   1 – DIRECT – # 9
   0 – INDIRECT – None.
   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 – TOTAL

3. POTENTIAL POLLUTION – Periodic surveillance of these properties will be maintained.
   0 – POTENTIAL POLLUTION – None.

SECTION C: NON-SEWAGE WASTE SITES
1. INDUSTRIAL WASTE SITES
   7 – DIRECT – # 4, 5, 6, 7, 10, 12, 13
   1 – INDIRECT – # 14
   8 – TOTAL

2. SOLID WASTE DUMPSITES
   0 – DIRECT – None.
   0 – INDIRECT – None.
   0 – TOTAL

SECTION D: BOATING ACTIVITY
1 – MARINAS – # 3
9 – OTHER PLACES WHERE BOATS ARE MOORED – # 1, 4, 5, 6, 7, 8, 11, 16, 17
1 – UNDER SURVIELLENCE – # 2
11 – TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION
0 – DIRECT – None.
0 – INDIRECT – None.
0 – TOTAL