



COMMONWEALTH of VIRGINIA

Department of Health
DIVISION OF SHELLFISH SANITATION
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WARWICK RIVER AND DEEP CREEK Growing Area # 058 Shoreline Sanitary Survey City of Newport News and York County

Date: 23 July 2013

Survey Period: March 23, 2012 – June 7, 2013

Total Number of Properties Surveyed: 327

Surveyed By: F.P. Monis

SECTION A: GENERAL

This survey area extends from Reference Point 58 at Blunt Point to Reference Point 59 at Mulberry Point, including the James River shoreline between these two points, Warwick River, Fisher's Creek, Deep Creek (Yoder Pond), Thorofare, Lucas Creek, Stony Run Creek, Butler's Gut, Jail Creek, Swash Hole, Morrisons Creek, Fort Creek and all of their tributaries.

Topography of the area is characterized by elevations ranging from 5' in the area west of the Warwick River (Mulberry Island) to about 35' east of the Warwick River (Deep Creek vicinity). From the Blunt Point reference point along the eastern shoreline of the Warwick River to Thorofare Point are bluffs of 10' to 25' with large marshy areas at most intersecting tributaries. Above Thorofare Point there are large areas of marsh on both shorelines. The Mulberry Island section of the survey area contains low elevations with large areas of marshlands. Mulberry Island is also home to the Fort Eustis Military Reservation. The majority of Fort Eustis is now sewered and is connected to the Hampton Roads Sanitation District (HRSD) sewerage system with treatment at the James River Sewage Treatment Plant. The base has 8 septic tanks which were functioning properly at the time of inspection. A majority of the residences and businesses in the survey area are also served by HRSD with small pockets of on-site septic systems still in existence. There has been a significant decrease in properties with septic-tanks within the survey boundary due to expanded public sewerage system availability.

Meteorological data indicated that 63.75" of rain fell during the survey period. A monthly breakdown is as follows:

March 23-31, 2012	0.58"	September	2.39"	February	2.60"
April	2.44"	October	8.71"	March	2.60"
May	7.32"	November	0.68"	April	2.98"
June	4.98"	December	2.93"	May	3.32"
July	4.37"	January 2013	4.48"	June	2.28"
August	11.09"				

Since the previous survey, the Fort Eustis Sewage Treatment Plant has been demolished and the base is now connected to the HRSD sewerage system. The former site of the plant is now being monitored for contamination as part of the *Installation Restoration Program* (IRP). This

program includes 27 sites situated throughout the base which have been designated as Superfund sites in need of monitoring and remediation. Thirteen of the twenty-seven sites are located within this survey boundary. Information on the IRP including the locations of the relevant sites are included with the survey field notes filed in the Central Office. Information concerning industrial activity on Fort Eustis was obtained through a site visit with Paul James, Environmental Protection Specialist, Civil Engineer Division, Environmental Element.

The current restriction on shellfish harvesting is Condemned Shellfish Area # 058-034, Warwick and James Rivers. 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 www.vdh.virginia.gov/shellfish/. This report lists only those properties that have a sanitary deficiency or have other environmental significance. "**DIRECT**" indicates that the deficiency or significant activity 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 and are available for reference until superseded by a subsequent survey 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

9. **DIRECT** – Occupant: James River Sewage Treatment Plant, 111 City Farm Road, Newport News 23602. Owner: Hampton Roads Sanitation District, 1436 Air Rail Avenue, Virginia Beach 23455. Has VPDES permit # VA0081272 from Department of Environmental Quality. Design flow of 20 MGD. Treatment consists of screening, grit removal, primary and secondary sedimentation, activated sludge, anaerobic digestion, chlorination and dechlorination with final discharge to the James River.

ON-SITE SEWAGE DEFICIENCIES

3. Location: 90 Church Road, Newport News, VA23606. Dwelling – one story brick with green shutters. Contact made. Effluent on ground surface in front of property. Odors present. Sanitary notice issued 4/20/12.

POTENTIAL POLLUTION

-None-

SECTION C: NON-SEWAGE WASTE SITES

INDUSTRIAL WASTES

13. **DIRECT** – United States Army Transportation Center, Environmental and Natural Resources Division, 1407 Washington Boulevard, Fort Eustis 23604. Military – Army base with approximately 14,000 civilian and enlisted personnel. Has permit # VA0025216 from Department of Environmental Quality for discharge of stormwater through 84 individual outfalls. Quarterly visual inspections are required on all outfalls associated with regulated industrial activities. Outfall #076 (located at the James River Reserve Fleet area) is sampled and tested quarterly during rain events.

SOLID WASTE DUMPSITES

-None-

SECTION D: BOATING ACTIVITY

MARINAS

2. James River Dry Storage Marina (James River Marine Incorporated), 665 Deep Creek Road, Newport News 23606. Commercial Marina. Contact made. 25 slips and 150 dry storage spaces available. Present at time of inspection was 5 boats under 26' and 19 boats over 26' in wet slips; and in dry storage there were 60 boats under 26'. Boating services provided include fuel, electricity, water and repair. Sanitary facilities provided are 1 commode, 1 urinal, 2 lavatories, 1 shower for men, and for women there is 1 commode, 1 lavatory and 1 shower. Sewage disposal is to HRSD. There are no portable toilet dump station facilities at this location. This location is exempt from the requirement to provide boat holding tank pump out facilities.
4. Warwick Yacht and Country Club (Warwick Yacht and Country Club Corporation), 400 Maxwell Lane, Newport News 23606. Private yacht club. Contact made. 4 slips or moorings and no dry storage spaces available. No boats were present. Boating services provided include electricity, water and ramp. Sanitary facilities provided are 5 commodes, 6 lavatories, 6 urinals and 4 showers for men; and for women there are 7 commodes, 5 lavatories and 5 showers. Sewage disposal is to HRSD. There are no boat holding tank pump-out facilities and no portable toilet dump stations facilities at this location.
5. Deep Creek Landing Marina, 200 Old Marina Road, Newport News 23602. Private marina. No contact. 76 slips available. Present during most recent inspection were 43 boats under 26'. 72 boats in dry storage. Boating services provided include fuel, electricity, water, repairs and ramp. Sanitary facilities provided are 1 commode, 1 lavatory, and 1 shower for men; and for women there are 1 commode, 1 lavatory and 1 shower. There is also 1 unisex commode and lavatory. Sewage disposal is to HRSD. Boat holding tank pump out facilities and portable toilet dump station facilities are available at this location.
7. Menchville Marine Supply Corporation, 524 Menchville Road, Newport News 23602. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23607. Public dock for mooring of oyster and crab boats. No contact. 15 slips or moorings and 10 dry storage spaces available. Present during most recent inspection were 18 work boats over 26'. The only boating service is a ramp. Sanitary facilities provided are 1 portable toilet. There are no boat holding tank pump out facilities and no portable toilet dump station facilities at this location.

OTHER PLACES WHERE BOATS ARE MOORED

1. Deep Creek City Pier, End of Deep Creek Road, Newport News 23606. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23606. Public Pier. No contact. No slips or moorings available. No boats available at time of inspections. Electricity is the only service provided. At this time there are no sanitary facilities, no portable toilet dump station facilities and no boat holding tank pump out facilities at this location.

10. Newport News Municipal Bulk Head, 2400 Washington Street, Newport News, 23607. No contact. No slips or mooring available. 18 boats over 26' present during last inspection. 1 unisex privy available. Privy maintained by Menchville Marine Supply. No fuel, water, or electricity provided at this time. No pump-out facilities or dump stations provided.

UNDER SURVEILLANCE

6. Christopher Newport Sailing Center, 494 Menchville Road, Newport News 23606. Dock and storage area for sailing team vessels. No contact. No slips or moorings available. Present during most recent inspection were 12 boats under 26' in dry storage. Boating services provided include fuel, electricity and water. Sanitary facilities include 2 commodes and 2 lavatories for men; and for women there are 2 commodes and 2 lavatories. Sewage disposal is to HRSD. There are no pump out facilities or portable toilet dump station facilities at this location.
12. Denbigh Park, 10 Denbigh Boulevard, Newport News 23608. Owner: City of Newport News, Department of Parks, Recreation and Tourism, 2400 Washington Avenue, Newport News, VA 23607. Public park and boat ramp. No contact. 3 moorings available. No boats were present at time of survey. Boating services provided include electricity and ramp. The only sanitary facility is 1 portable toilet. There are no boat holding tank pump out facilities and no portable toilet dump station facilities at this location.

SECTION E: CONTRIBUTES ANIMAL POLLUTION

8. Occupant: Newport News City Farm, 100 City Farm Road, Newport News 23609. Owner: City of Newport News, 2400 Washington Avenue, Newport News 23602. Public – Prison Farm with approximately 70 employees and a maximum inmate capacity of 250. Present at time of survey were 7 cows in fenced pasture with no direct access to tidal waters. Manure is left on the ground to decay.
11. Location: 567 Colony Road, Newport News 23602. Dwelling – white vinyl siding 2 story farm house screened porch. Contact made. House is served by HRSD. Present at time of survey were 11 horses in fenced pasture approximately 200 yards from a non-tidal pond that drains to the Warwick River. Unknown if animals have direct access to pond. Manure is left on the ground to decay.

SUMMARY

Growing Area # 058
Warwick River and Deep Creek
23 July 2013

SECTION B: SEWAGE POLLUTION SOURCES

1. SEWAGE TREATMENT FACILITIES

1 – DIRECT – # 9
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
1 – CONTRIBUTES POLLUTION, INDIRECT – # 3
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
1 – 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

1 – DIRECT – # 13
0 – INDIRECT – None
1 – C.1. TOTAL

2. SOLID WASTE DUMPSITES

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

SECTION D: BOATING ACTIVITY

4 – MARINAS – # 2, 4, 5, 7
2 – OTHER PLACES WHERE BOATS ARE MOORED – # 1, 10
2 – UNDER SURVEILLANCE – # 6, 12
8 – D. TOTAL

SECTION E: CONTRIBUTES ANIMAL POLLUTION

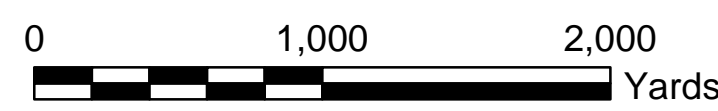
0 – DIRECT – None
2 – INDIRECT – # 8, 11
2 – E. TOTAL

Virginia Department of Health
Division of Shellfish Sanitation

Warwick River and Deep Creek
058
Shoreline Sanitary Survey

City of Newport News

Date: 23 July 2013
Survey By: F.P. Monis
Number of Properties Surveyed: 327



Legend

Seawater Sampling Stations

- Active
- Inactive

Shoreline Survey Deficiencies

- Sewage Treatment Facility - Direct
- Sewage Treatment Facility - Indirect
- Contributes Pollution - Direct
- Contributes Pollution - Indirect
- Contributes Pollution (Kitchen or Laundry wastes) - Direct
- Contributes Pollution (Kitchen or Laundry wastes) - Indirect
- No Facilities - Direct
- No Facilities - Indirect
- Potential Pollution
- Industrial Wastes, Direct
- Industrial Wastes, Indirect
- Solid Waste Dumpsite - Direct
- Solid Waste Dumpsite - Indirect
- Boating Activity
- Contributes Animal Pollution - Direct
- Contributes Animal Pollution - Indirect

