

U.S. Coast Guard Sector Maryland-NCR

Incident Management Division



Oxon Cove Outfall Case Study

- 13-14AUG2017: Initial pollution reports of approx. 200 yd x 100 yd rainbow sheen on the Potomac River received. USCG, DC DOEE, MDE, and DC Fire investigating for source of discharge.
- 15AUG2017: DC DOEE discovers red dye diesel and sheen emanating from outfall on North side of Oxon Cove in Washington, DC. USCG accesses OSLTF to mobilize OSRO.

OXON COVE



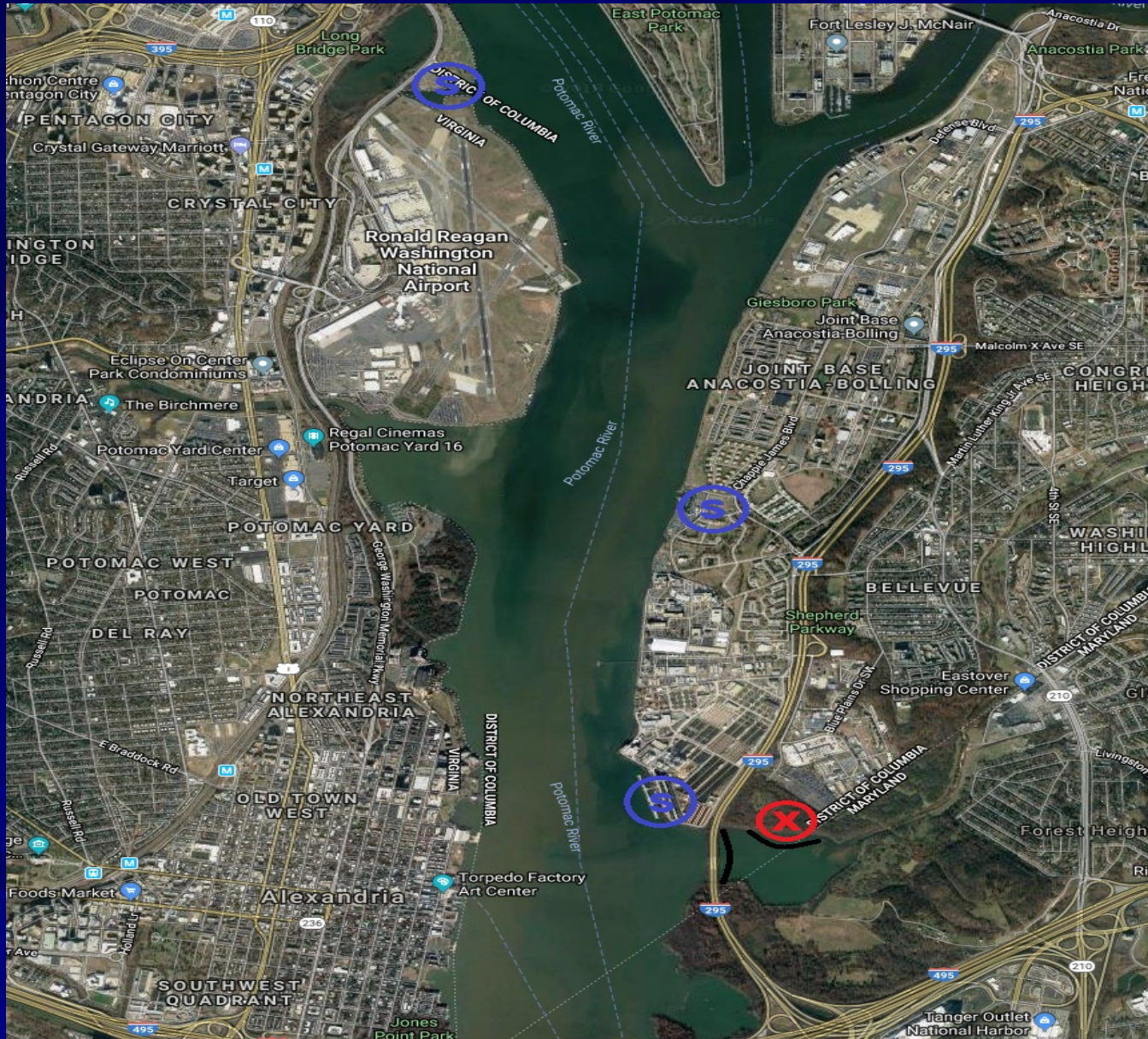
-16AUG2017: Containment boom deployed around outfall and at mouth of Oxon Cove. Initial deployment of waterside assets from Gravelly Point Boat Ramp Arlington, Va.

-17AUG2017: Staging Areas established at Joint Base Anacostia-Bolling (JBAB) and DC Water Pier.

BODY OF WATER: Potomac

SUSPECTED SOURCE: Underground Storage Tank

OXON COVE



Staging areas

- Joint Base Anacostia Bolling (JBAB) used for launching OSRO waterside assets
- DC Water pier used for staging disposal roll off box
- Transit Time from JBAB to outfall: approx. 45 min
- Limitations: submerged debris in Oxon Outfall and heavy weather limiting small boat operations

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- DC Village underground piping schematics provided by DC DOEE.
- 22AUG17: DC DOEE identifies oil in storm drain manhole on DPW lot.
- Blue=Storm Drain , Red=Sanitary

BODY OF WATER: Potomac
SUSPECTED SOURCE: Underground Storage Tank

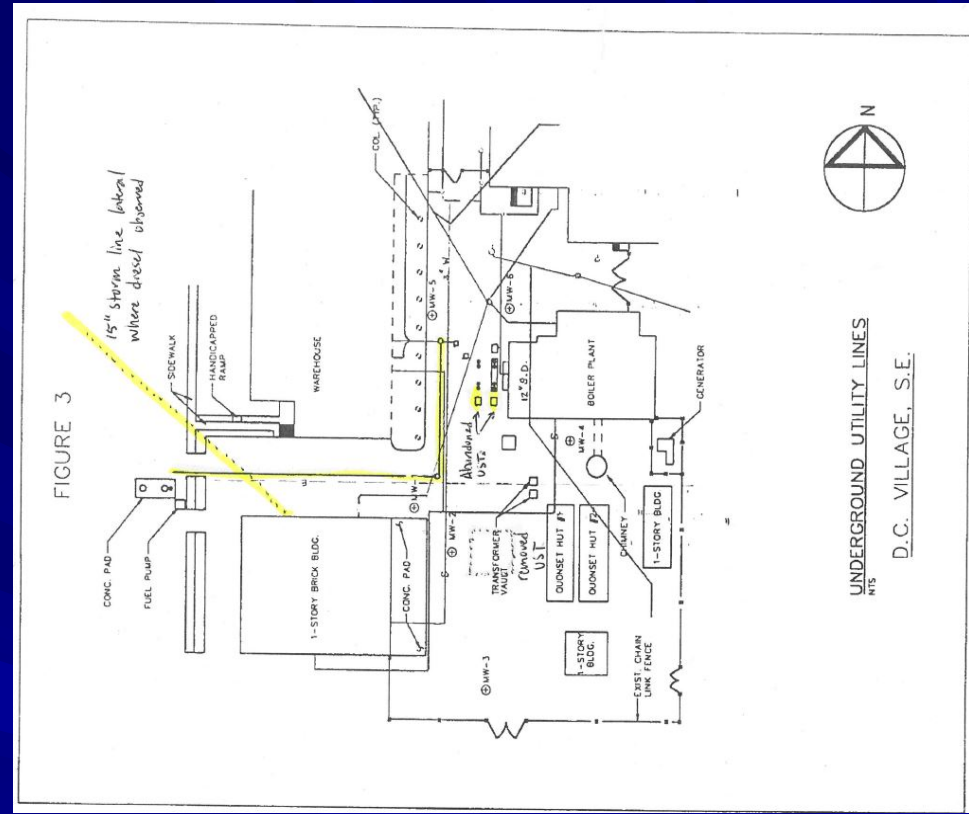
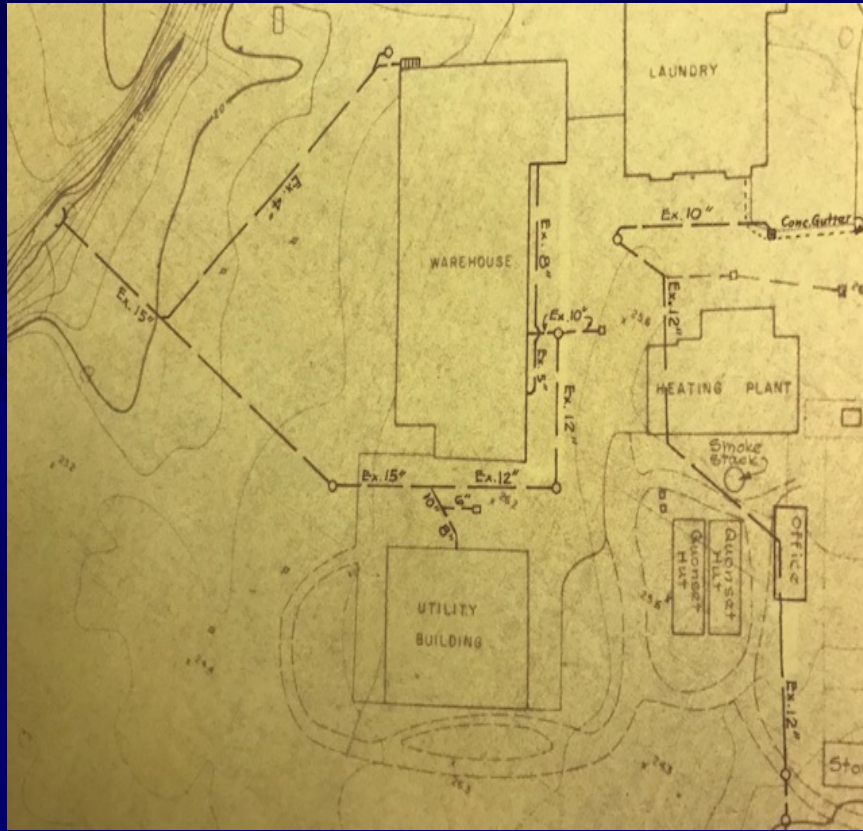
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-28AUG2017 IMD hired contractors to trace the outfall with a robotic crawler to assist in locating the source.

BODY OF WATER: Potomac
SUSPECTED SOURCE: Underground Storage Tank

OXON COVE



- DC Village historical usage: 1906, Home for the Aged and Infirm at Blue Plains.
- 1940s/50's Two steel 10k tanks supplied the boiler with No. 2 Fuel Oil.
- 30AUG17: Left side map obtained from current tenant on DC Village property.
- Maps on right provided by DC DOEE.

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-01-05SEP17: Search for USTs and buried manholes with small equipment continues with negative results.

-08SEP2017: Ground Penetrating Radar used to identify location of two Underground Storage Tanks and two buried manholes.

BODY OF WATER: Potomac

SUSPECTED SOURCE: Underground Storage Tank

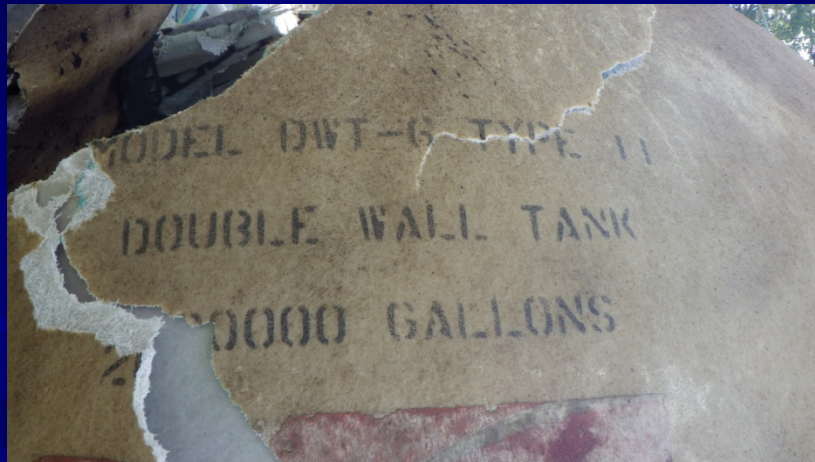
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-29SEP2017: DC DGS hired contractor to continue site excavation and remediation.

BODY OF WATER: Potomac
SUSPECTED SOURCE: Underground Storage Tank

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-06OCT2017: One of two 20,000 gall UST's are removed from ground.

-Tank is sounded. Roughly 2,000 gallons of fuel oil in tank is removed and tank excavated.

-Sampling and Remediation as per DC DOEE Site Directive

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- Second 20,000 gallon tank contains roughly 5,000 gallons of fuel oil.
- 2nd tank is intact and not discharging oil.
- 2nd tank fuel pumped out and tank to be excavated once ability to re-route truck traffic is determined.

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- 20OCT2017: Response Contractors granted land access to outfall from National Park Service.
- 13NOV2017: DC Department of General Services assumed control of waterside clean up operations.

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- Current: Soil sampling and remediation of DC Village complete.
- Approximately 6,400 gallons of oil recovered from waterway.