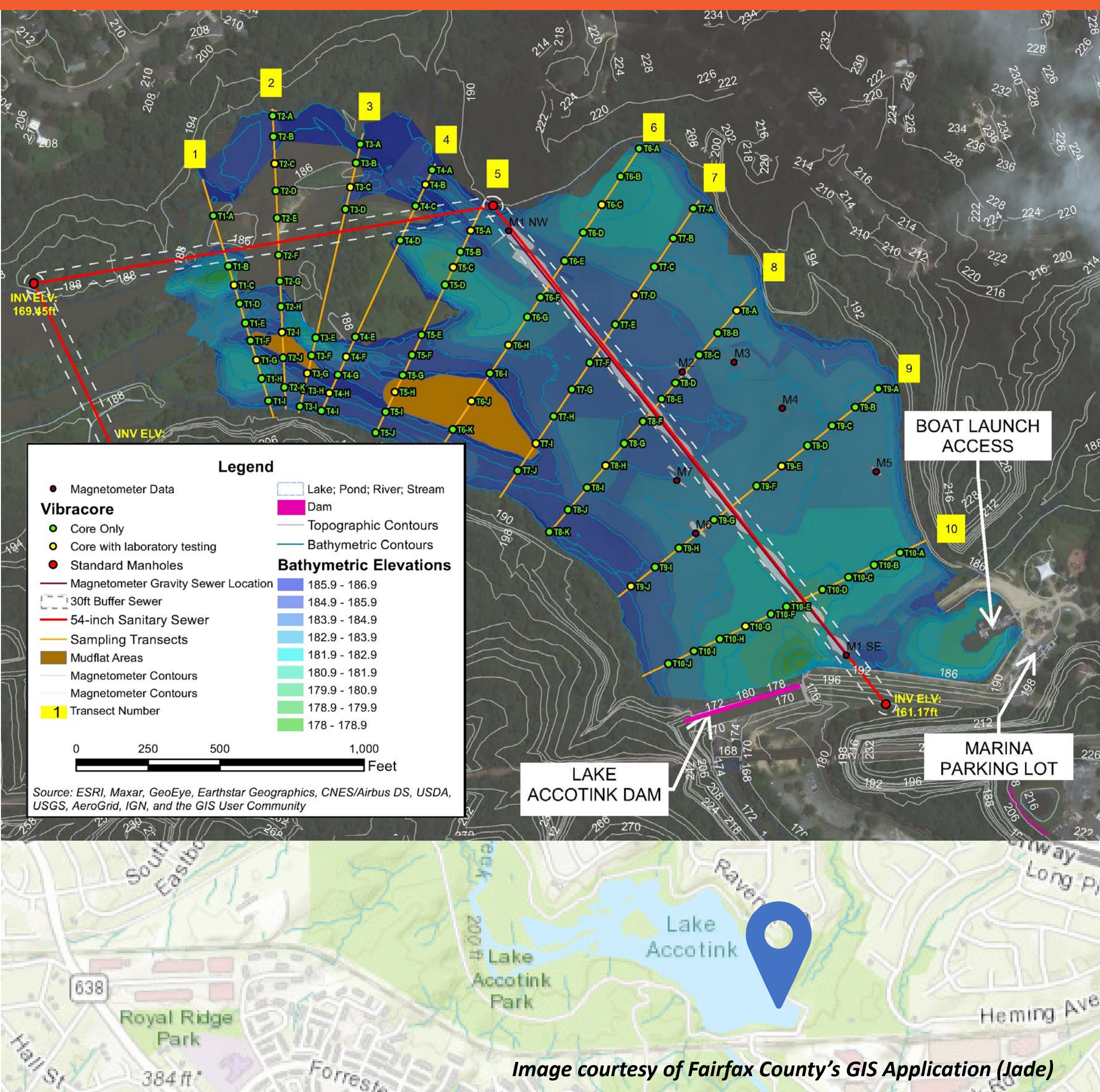
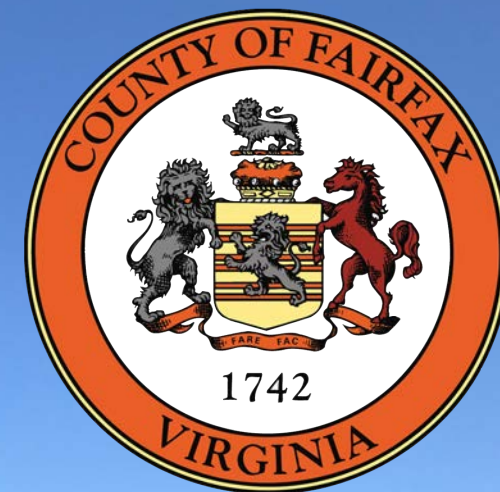


# Lake Accotink Dredging Project



## What's happening at Lake Accotink?

### Sediment Sampling & Characterization

- Collection of sediment cores (up to 8 feet deep) along pre-established transects.
- Cores processed to record sediment conditions across the lake.
- Samples collected from select cores for physical and chemical laboratory testing.
- Composite samples sent to treatability laboratory for bench-scale dewatering tests.

## Why is this happening?

### Provide Needed Information for Dredging and Material Handling Design

- Particle size distribution and sand/silt content needed to support dredging, transport, dewatering, and reuse/disposal design.
- Chemical properties needed to support dewatering and reuse/disposal design.
- Dewatering tests needed to evaluate dewatering options.

## When and how long will it take?

### February 2021

- Sediment characterization begins week of February 15th.
- Field activities scheduled for 2 weeks.
- Laboratory analyses will take 1-2 months.

## What safety measures will be implemented?

### SAFETY FIRST!

- All field investigation activities are conducted by trained individuals in accordance with an OSHA compliant Site-Specific Health and Safety Plan. All activities are coordinated through the County and the Fairfax County Parks Authority.

## What you will see:



Sampling teams will move around Lake Accotink using a Vibracore pontoon boat. As shown in the picture to the right, a sampling tube is lowered to the sediment surface and then the Vibracore head vibrates the tube advancing it through the sediment to collect an undisturbed sample core from the lake sediments.



Sediment core collection on the Vibracore pontoon boat. Sampling locations are GPS-located.



Example sediment core being processed. Scientists will log, screen and prepare sediment samples for shipment to the laboratory. This activity will take place on land at the marina parking lot.



Where access by the Vibracore pontoon boat is limited, a Jon boat will be used to facilitate sample collection. The Jon boat may also be used to transfer sediment sample cores from the Vibracore pontoon boat to the land-based sample processing team.

The Lake Accotink dredging project will restore and maintain aesthetic and recreational benefits for county residents and protect water quality in Accotink Creek.

## For more information, please contact:

- Charles Smith, Fairfax County DPWES, Stormwater Planning Division (703-324-2467; [charles.smith@fairfaxcounty.gov](mailto:charles.smith@fairfaxcounty.gov))
- Justin Pistore, Fairfax County DPWES, Stormwater Planning Division (703-324-5685; [justin.pistore@fairfaxcounty.gov](mailto:justin.pistore@fairfaxcounty.gov))

Or visit the project website at: <https://www.fairfaxcounty.gov/publicworks/lake-accotink-dredging>