

● Hard Bottom Depth (ft)

Proposed Water Depths (ft)

— Minor

— Major

▭ Excavation Extent

Amount Removed (ft)

■ No Change

■ 0 - 1

■ 1 - 2

■ 2 - 3

■ 3 - 4

■ 4 - 5

Current Water Depths (ft)

— Minor

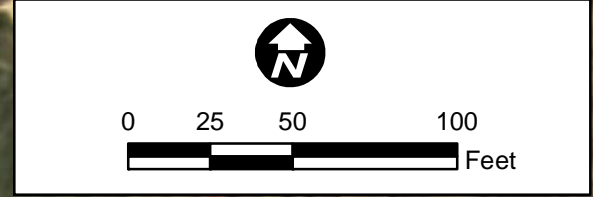
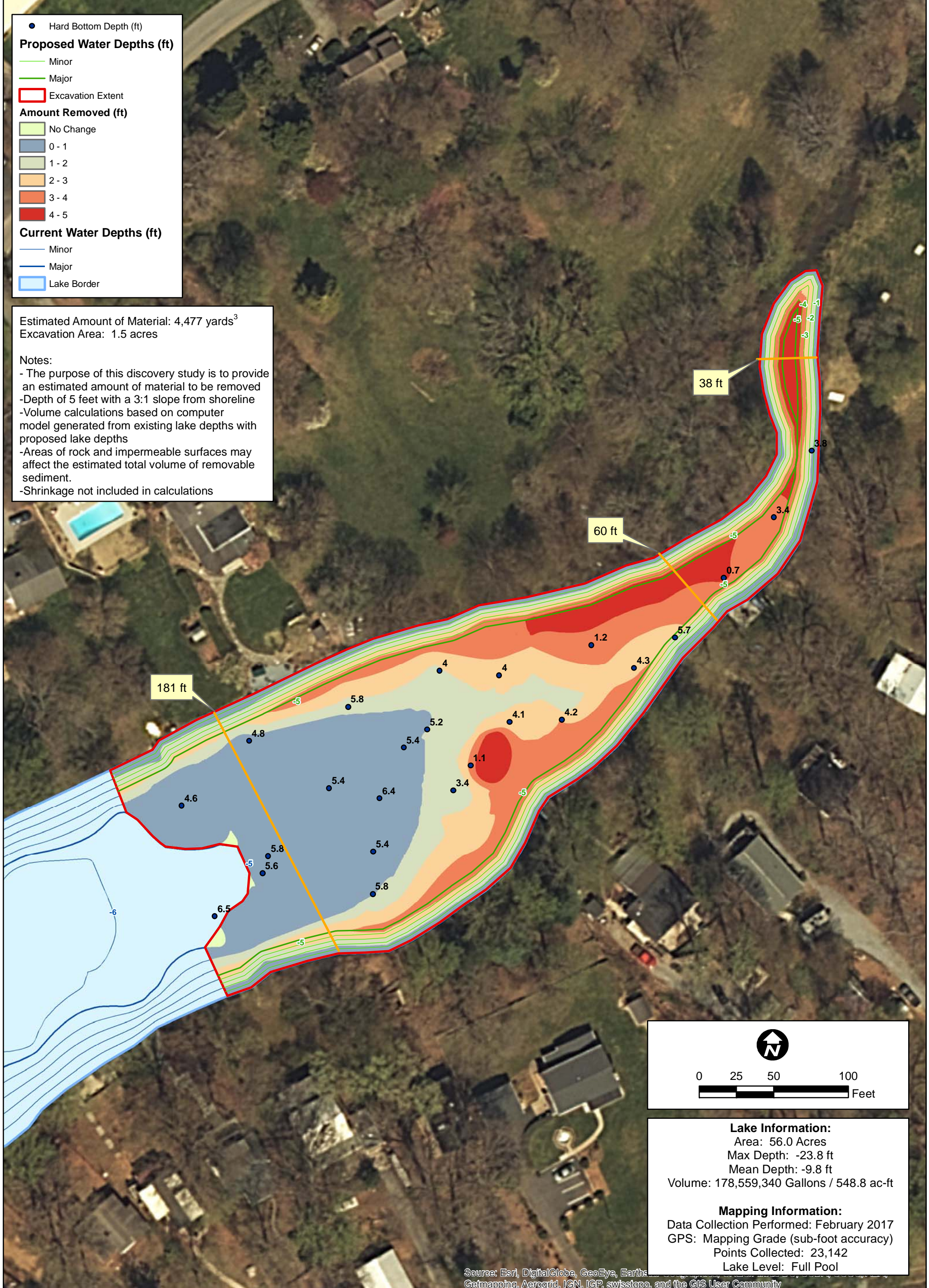
— Major

▭ Lake Border

Estimated Amount of Material: 4,477 yards³
 Excavation Area: 1.5 acres

Notes:

- The purpose of this discovery study is to provide an estimated amount of material to be removed
- Depth of 5 feet with a 3:1 slope from shoreline
- Volume calculations based on computer model generated from existing lake depths with proposed lake depths
- Areas of rock and impermeable surfaces may affect the estimated total volume of removable sediment.
- Shrinkage not included in calculations



Lake Information:
 Area: 56.0 Acres
 Max Depth: -23.8 ft
 Mean Depth: -9.8 ft
 Volume: 178,559,340 Gallons / 548.8 ac-ft

Mapping Information:
 Data Collection Performed: February 2017
 GPS: Mapping Grade (sub-foot accuracy)
 Points Collected: 23,142
 Lake Level: Full Pool

Source: Esri, DigitalGlobe, GeoEye, Earthstar, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

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