

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Estimated Amount of Material Removed: 8,905 yards<sup>3</sup>  
Excavation Area: 2.7 Acres

- Notes:
- The purpose of this discovery study is to provide an estimated amount of soft sediment
  - Sediment volume calculations based on computer model generated from measurements collected in the field
  - Areas of rock and impermeable surfaces may affect the estimated total volume of removable sediment.
  - Shrinkage not included in calculations
  - Unable to predict the elevation of island above water level
  - Hardpan depths may be shallower than proposed

● Hard Bottom Depth (ft)

**Current Water Depths (ft)**

- Minor
- Major

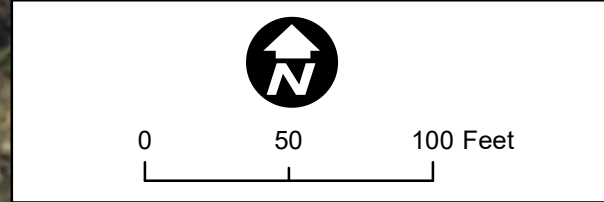
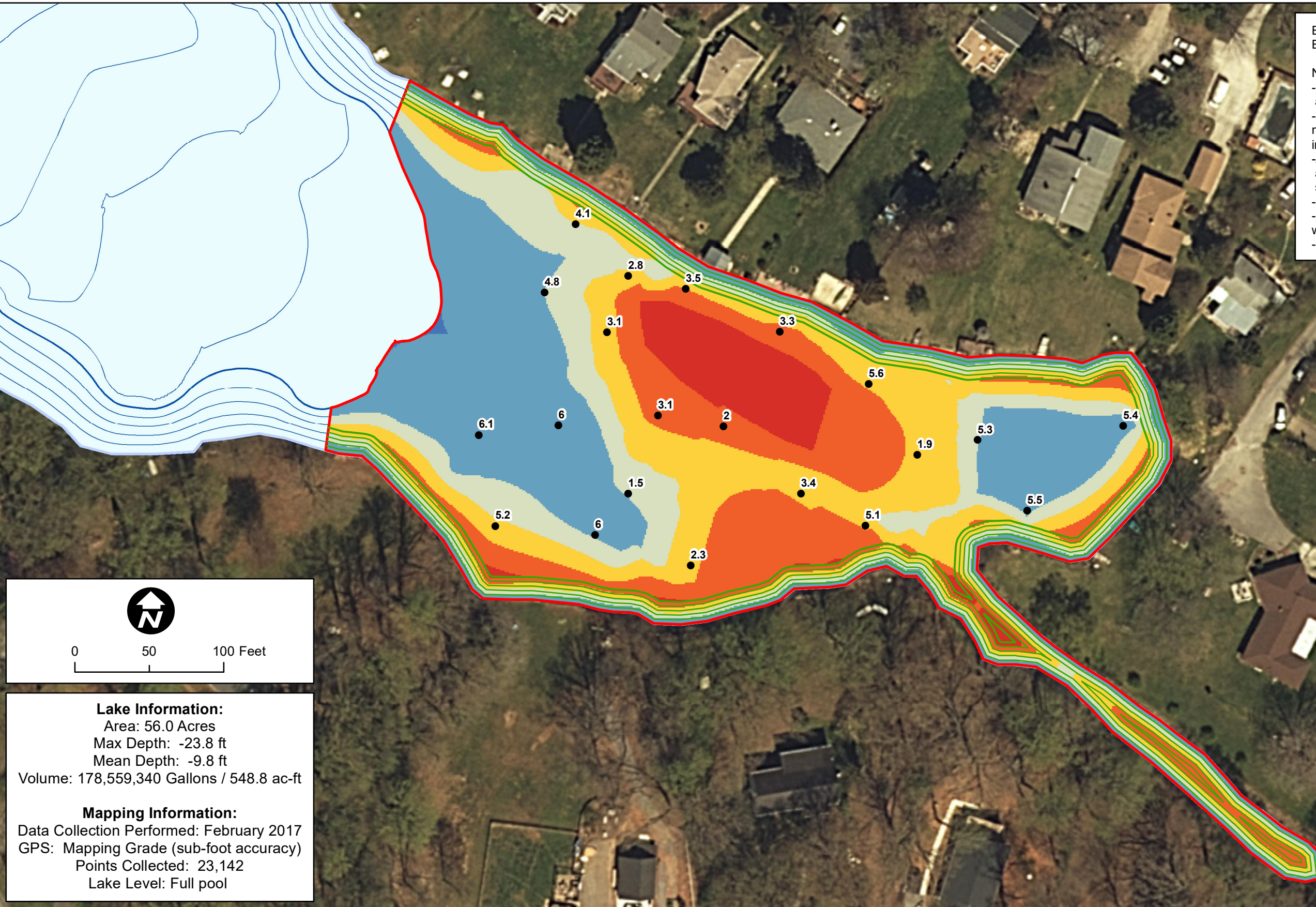
**Proposed Water Depths (ft)**

- Minor
- Major

▭ Excavation Extent

**Amount Removed (ft)**

- Unchanged
- 0 to 1
- 1 to 2
- 2 to 3
- 3 to 4
- 4 to 5



**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



# Timber Lake - Cove 3 Excavation



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