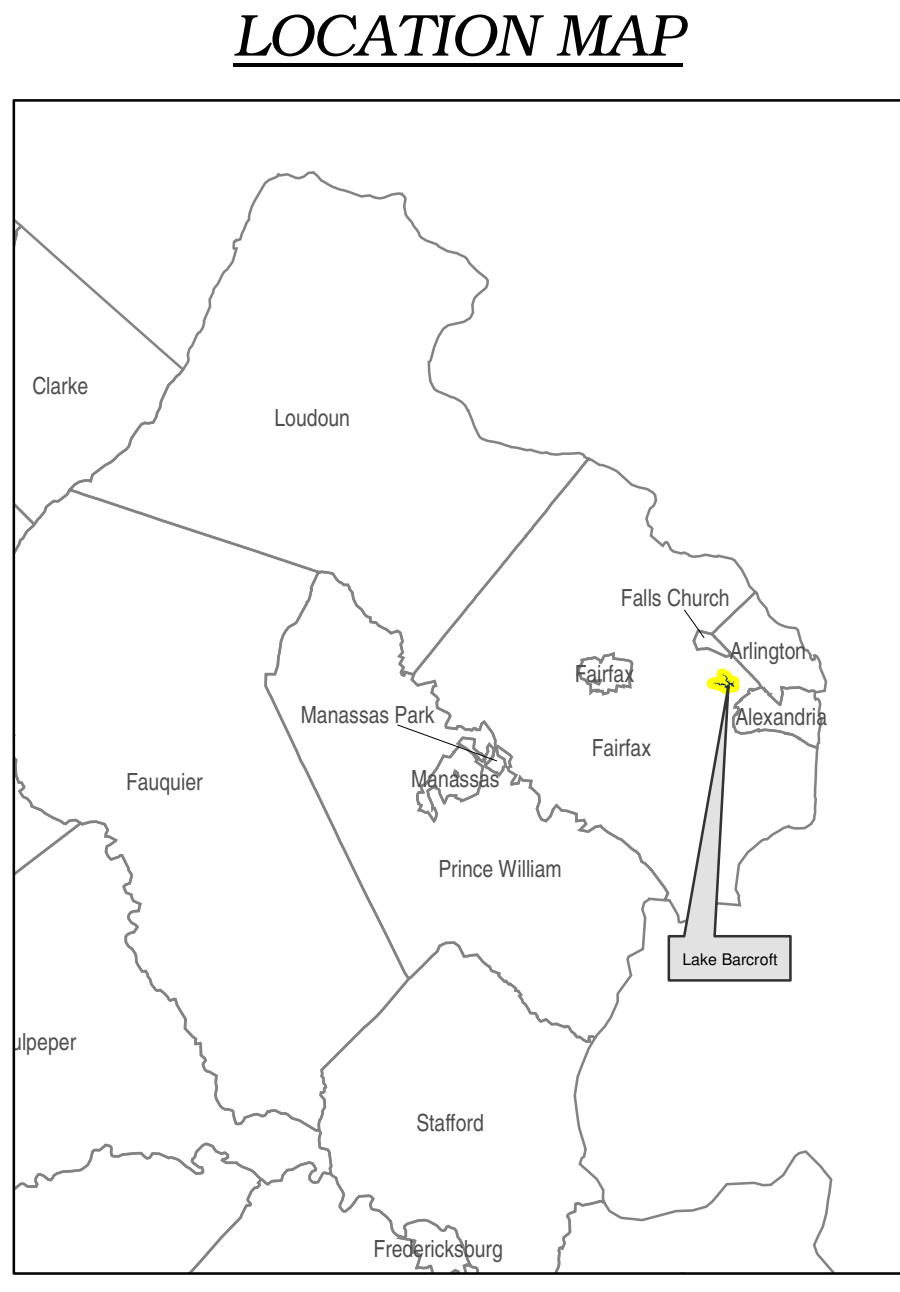
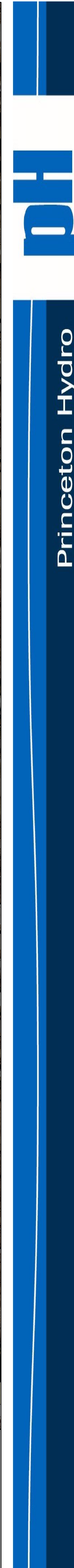
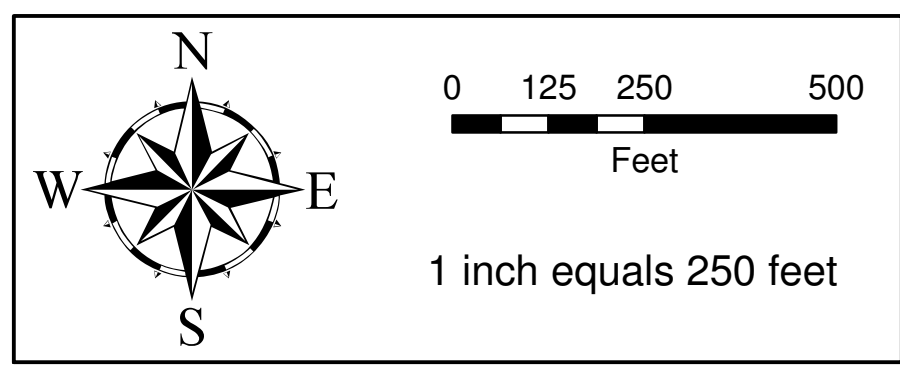


**LAKE STATISTICS:**  
 Total Area of Lake - 5,892,920 ft<sup>2</sup> (135.3 ac)  
 Total Water Volume - 91,587,987 ft<sup>3</sup> (2102.6 ac-ft)  
 Total Volume of Unconsolidated Sediment - 1,085,785 ft<sup>3</sup> (24.9 ac-ft)  
 Average Lake Water Depth - 15.52 ft  
 Average Unconsolidated Sediment Thickness - 0.184 ft (2.2 in)



**PRINCETON HYDRO, LLC.**  
 1108 OLD YORK ROAD  
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- SOURCES:**
1. Aerial image obtained in digital format from Fairfax County GIS Department.
  2. In-lake sediment contouring and grid analysis derived from collected bathymetric points using ESRI's ArcGIS 3-D Analyst module; contours in feet.
  3. Bathymetric data collected on lake by Princeton Hydro personnel on July 11, 12, & 13, 2005 using Knudsen 320BP Echosounder with Hypack Software and Trimble Pro-XRS GPS unit.
  4. Virginia counties data obtained from the US Census Bureau Geography Department website.

**WATER DEPTH OVERVIEW**

**BATHYMETRIC SURVEY OF LAKE BARCROFT**  
 PREPARED FOR:  
 LAKE BARCROFT  
 WATERSHED IMPROVEMENT DISTRICT  
 FAIRFAX COUNTY  
 COMMONWEALTH OF VIRGINIA

**LEGEND**

- Water Depth Contours (Feet)
- Inaccessible Area at Time of Survey
- GPS Data Unavailable at Time of Survey
- Lake Boundary

**Lake Depth**  
**Feet**

- 0.0
- 22.5
- 45.0