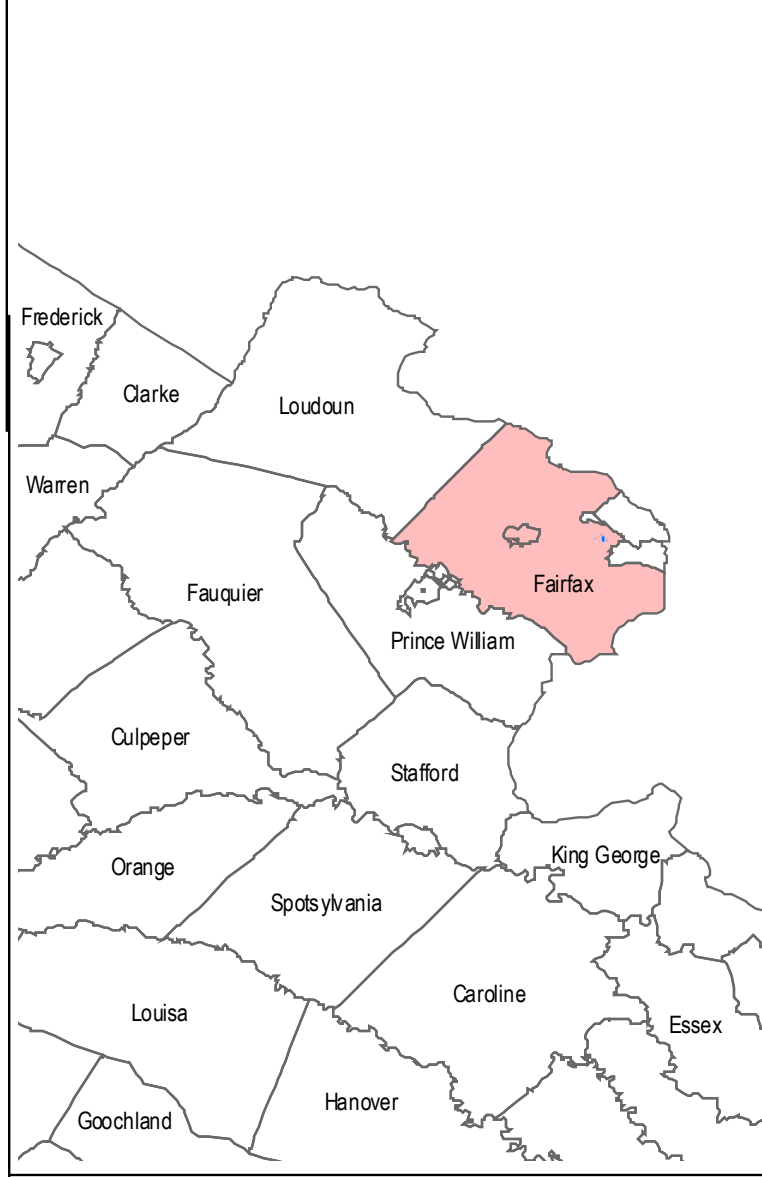
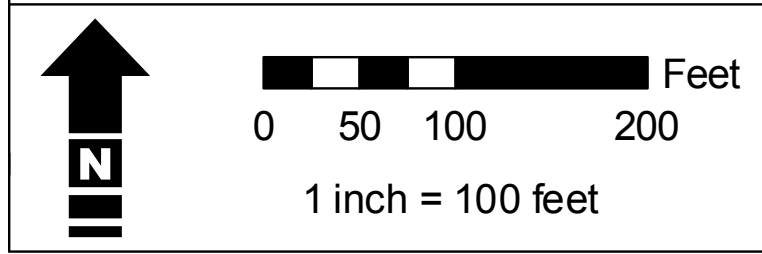


**HOLMES RUN DREDGE AREA STATISTICS**  
 Area of Resurvey: 25.8 Acres  
 Volume of Water: 297,846 cubic yards

**VIRGINIA COUNTY MAP**



- SOURCES:**
1. In-lake sediment contouring and GRID analysis derived from collected bathymetric points using ESRI's ArcGIS and 3-D Analyst module; contours in one foot intervals.
  2. Bathymetric data collected on lake by Princeton Hydro personnel on June 7, 2011 using a Knudsen 1612 Echosounder with Hypack software and a Trimble ProXR5 GPS unit.
  3. Virginia county data obtained from the US Census Bureau Geography Department website.
  4. Coordinate system of border grid is Stateplane Virginia North, North American Datum 1983



PREPARED FOR:

**LAKE BARCROFT WATERSHED  
 IMPROVEMENT DISTRICT**



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PROJECT NAME/LOCATION:  
**BATHYMETRIC SURVEY OF  
 PORTIONS OF LAKE BARCROFT**  
**LAKE BARCROFT WATERSHED  
 IMPROVEMENT DISTRICT  
 FAIRFAX COUNTY  
 COMMONWEALTH OF VIRGINIA**

DRAWING NAME:  
**WATER DEPTH  
 HOLMES RUN DREDGE AREA  
 JUNE, 2011 SURVEY**

