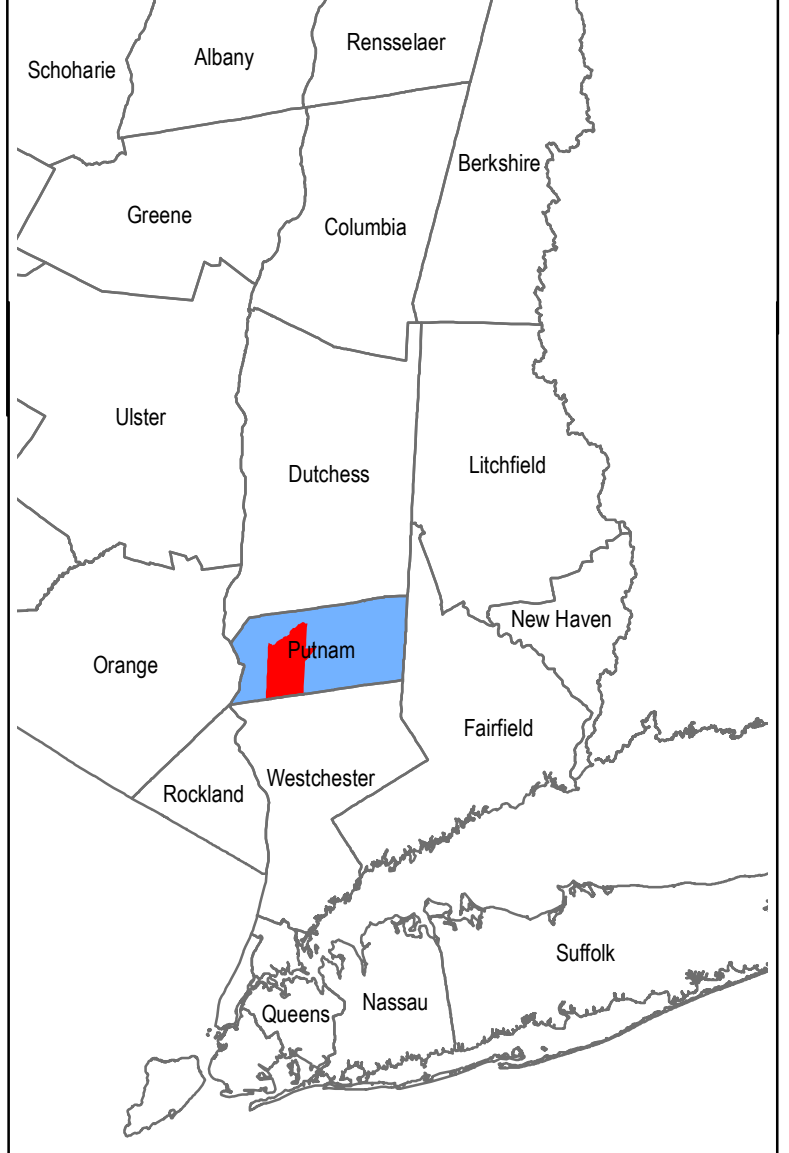


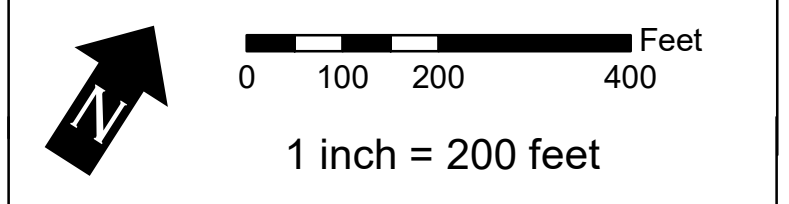
BATHYMETRIC STATISTICS

Size of Lake: 118.2 Acres
 WSEL: 774.0 NAVD88
 Mean Elevation: 763.9 NAVD88
 Mean Depth: 10.1 Feet
 Minimum Elevation: 755.0 NAVD88
 Maximum Depth: 19.0 Feet
 Volume of Water: 1,186.2 Acre-Feet
 Estimated Volume of Sediment: 170,000 cubic yards


NEW YORK COUNTY MAP



- SOURCES:**
1. Bathymetric survey conducted by Princeton Hydro on May 1 and 2, 2017. Survey conducted with a Knudsen Engineering EchoSounder, as well as a calibrated sounding rod and a Trimble ProXH GPS unit
 2. A benchmark was set on site by Princeton Hydro with a Leica GS14 survey grade GPS unit
 3. The Water Surface Elevation (WSEL) was calculated daily with the bench mark, a site level and a Philadelphia rod.
 4. All modeling, contouring and statistics generated with ESRI's ArcGIS 10.2.



PREPARED FOR:



Roaring Brook Lake Property Owners Association



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PROJECT NAME/LOCATION:
 ROARING BROOK LAKE
 LAKE MANAGEMENT PLAN
 TOWN OF PUTNAM VALLEY
 PUTNAM COUNTY, NY

DRAWING NAME:
 BATHYMETRIC SURVEY
 SEDIMENT THICKNESS CONTOURS

Legend

-  Lake Boundary
-  Sediment Thickness Contours (in feet)