

EXPLANATION



Water

Holocene



**Wetland Deposit (Hw)**  
Peat, muck, marl, silt, clay, or sand deposited in association with wetland environments. Various sediments can be present as transitional from one facies to another.

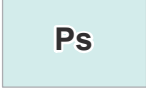


**Stratified silt, sand, and gravel (Hs)**  
Well sorted and stratified silt, sand, and gravel, deposited by rivers and streams. May include cobbles. Inferred as post-glacial alluvium, it includes modern channel, over-bank, and fan deposits.

Pleistocene



**Silt and Clay (Psc)**  
Stratified fine sediment consisting of silt and clay. Inferred to be deposited in deepwater settings of glacial lakes. May include rhythmites and varves.



**Stratified silt, sand, and gravel (Ps)**  
Well sorted and stratified sand, and gravel, deposited by rivers and streams. May include cobbles. Inferred as delta or fan deposits deposited in glacial lakes.



**Stratified Sand, Gravel, and Cobbles (Psg)**  
Well sorted and stratified sand, gravel, and cobbles. Inferred to be deposited in contact with, or close proximity to former glaciers. Stratified drift includes kames, kame terraces, outwash, and heads of outwash.



**Diamiction (Pd)**  
An admixture of unsorted sediment ranging from clay to boulders.

Pre-Pleistocene



**Bedrock (Dbr)**  
Devonian and Silurian aged sedimentary rocks

GLACIAL LANDFORM SYMBOLS



Esker



Glacial Lake Shoreline

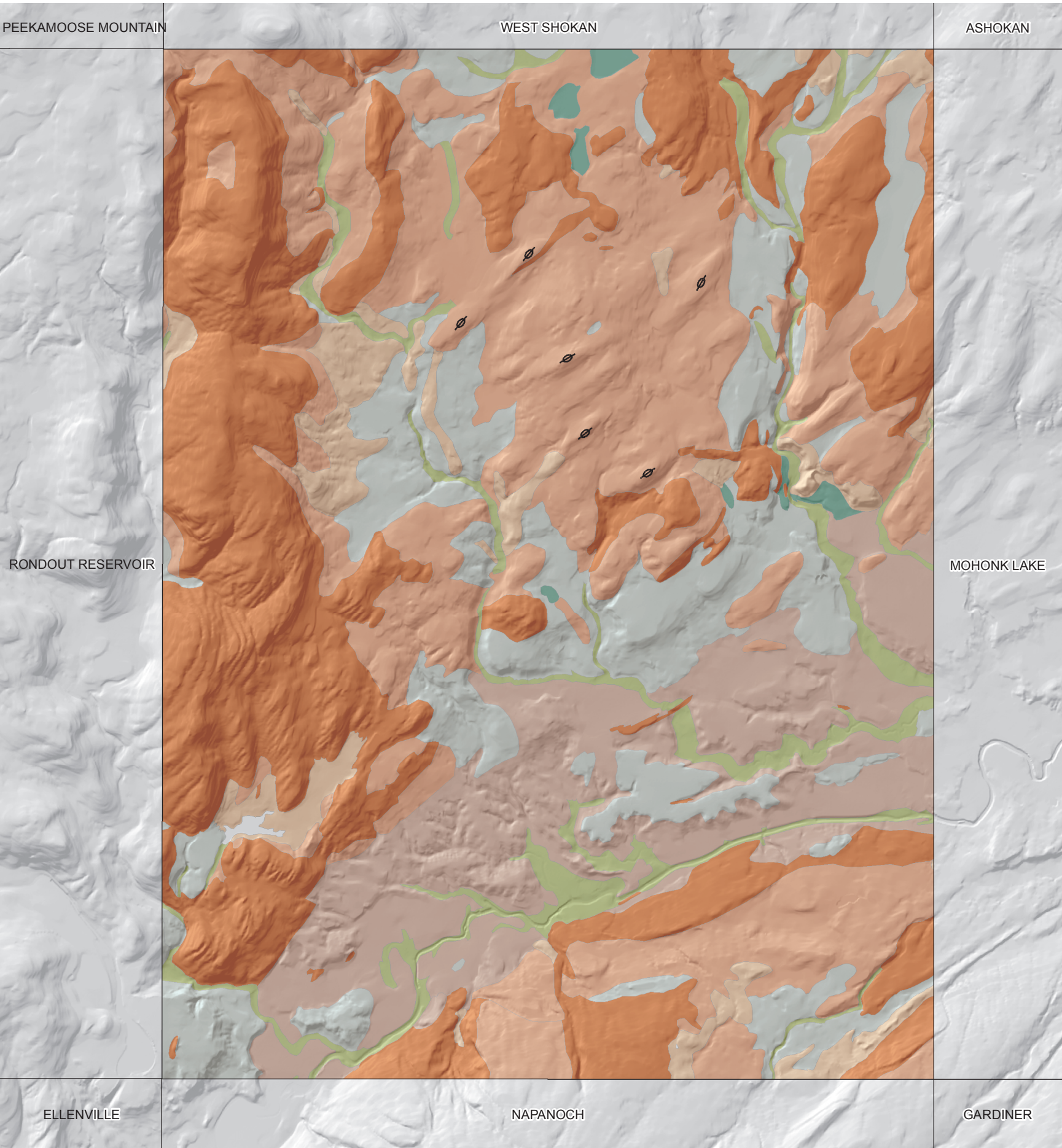


Glacial Meltwater Channel



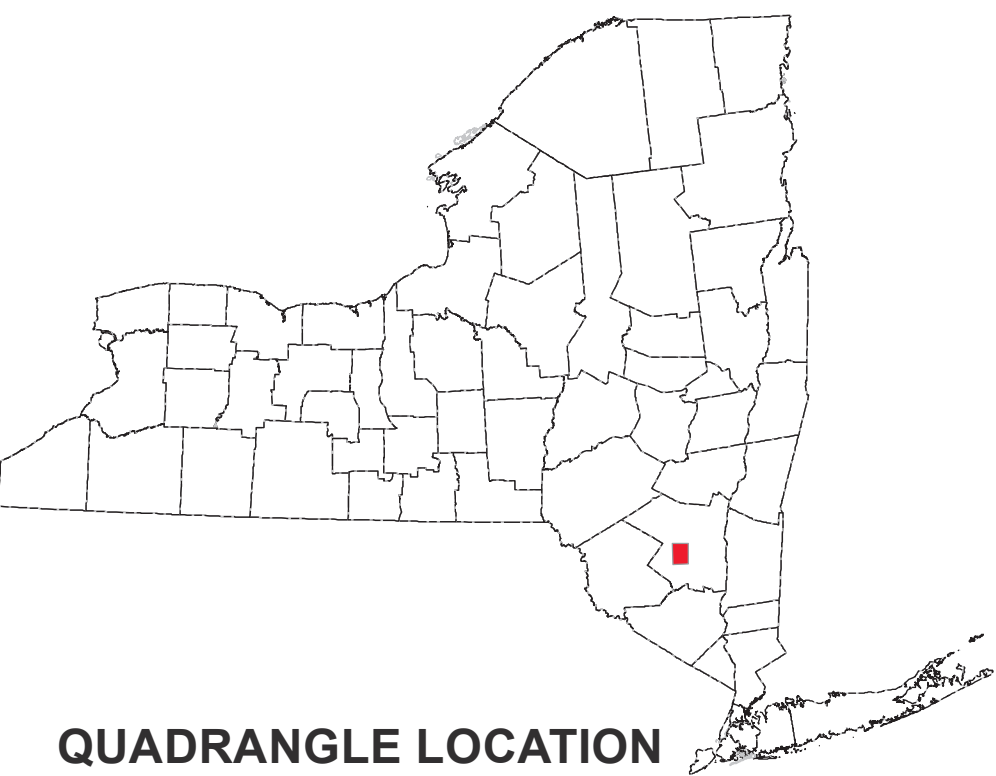
Drumlin

SHADED TERRAIN MAP AND SURROUNDING QUADRANGLES



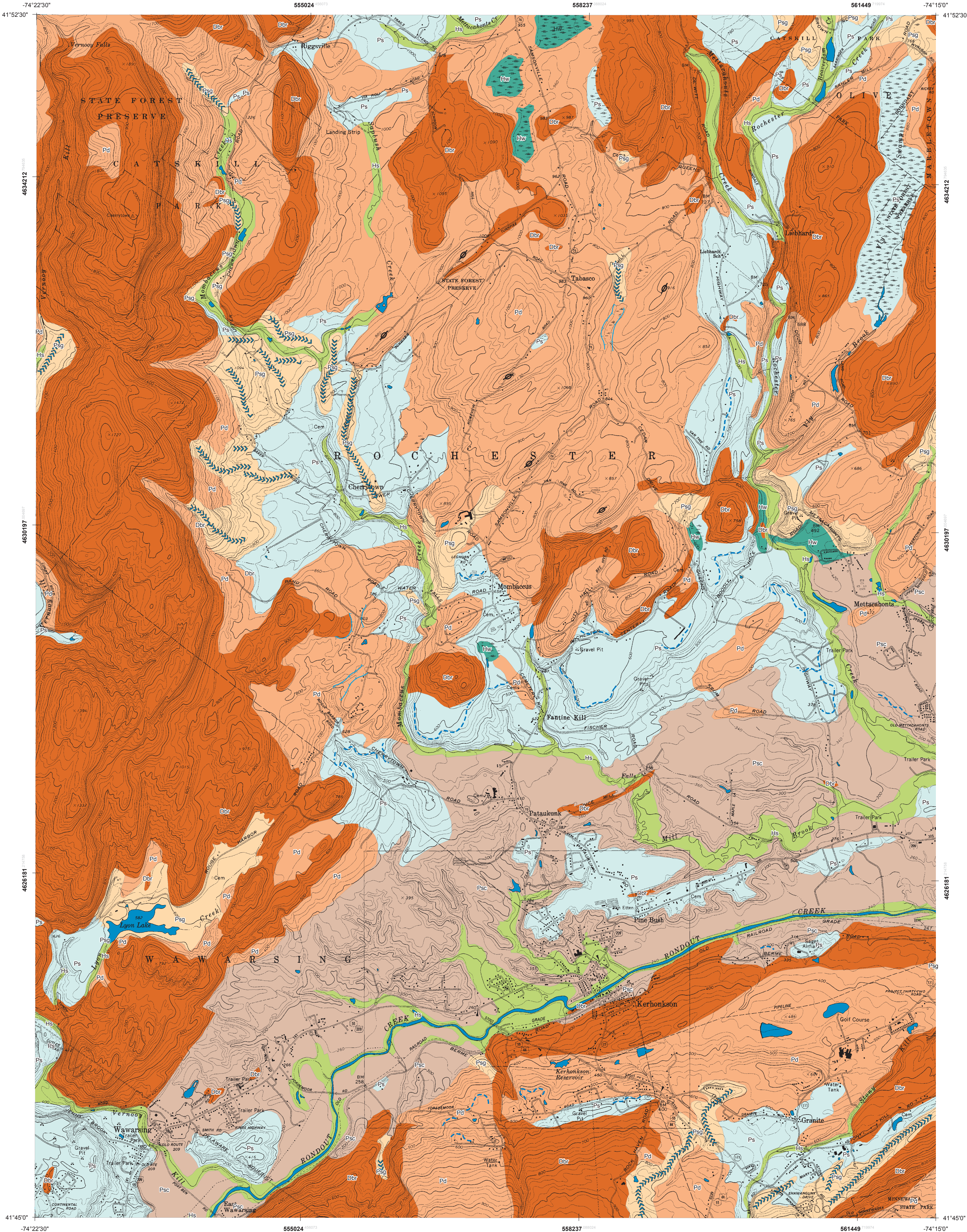
1:62 500 scale; 2x vertical exaggeration  
Shaded relief generated from  
the National Elevation Dataset  
1/3 arc-second data from the US Geological Survey.

**NOTICE**  
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program.  
The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.  
While every effort has been made to ensure the integrity of this digital map and the factual data upon which it is based, the New York State Education Department ("NYSED") makes no representation or warranty, expressed or implied, with respect to its accuracy, completeness, or usefulness for any particular purpose or scale. NYSED assumes no liability for damages resulting from the use of any information, apparatus, method, or process disclosed in this map and text, and urges independent site-specific verification of the information contained herein. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by NYSED.

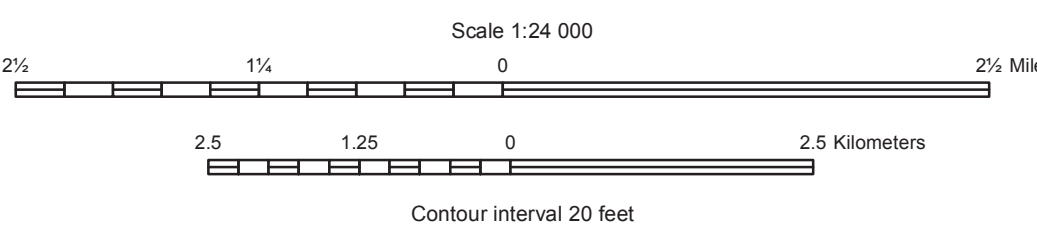
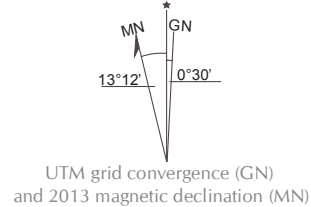


QUADRANGLE LOCATION

**New York State Museum Map & Chart No. 63**  
ISSN: 0097-3793; ISBN: 978-1-55557-277-8



Universal Transverse Mercator, Zone 18 N  
North American Datum of 1983  
Elevation contours and planimetry layers from the  
New York State Dept. of Transportation Raster  
Quadrangle separates for Kerhonkson 7.5 minute quad.  
DOT edition date 1999, USGS contour dates 1954.  
Hydrography from the National Hydrography Dataset,  
U.S. Geological Survey.  
Magnetic declination from the NOAA online Declination Calculator:  
<http://www.ngdc.noaa.gov/geomag/web/#declination>



Geologic mapping by G.G. Connally 1985  
Digital data and cartography by B. Bird and C. Booth 2013

**SURFICIAL GEOLOGY OF THE KERHONKSON QUADRANGLE,  
ULSTER COUNTY, NEW YORK**

G. Gordon Connally  
2013