

EXPLANATION

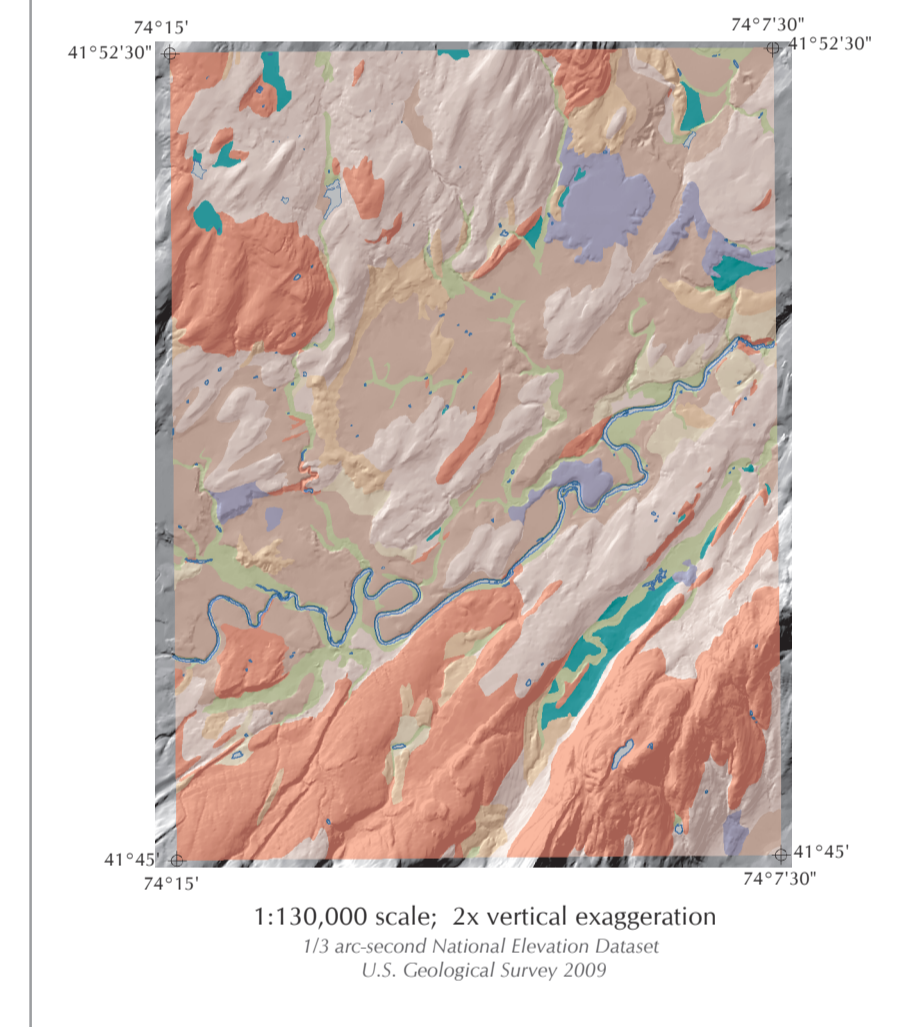
GEOLOGIC UNITS

- Qa** Alluvium: Sorted and stratified silt, sand, gravel, and cobbles deposited by rivers and streams. Alluvium includes channel, overbank, and fan deposits.
- Hlw** Wetland Deposit: Peat, muck, clay silt, and sand deposited in modern wetland environments. There is often a gradational change to alluvial or lacustrine deposits.
- Qd** Lacustrine delta: Stratified gravel, sand, and silt with lesser amounts of clay deposited at or near deltas fed by glacial meltwater channels or basin-constrained meteoric waters.
- Plsc** Glaciolacustrine silt and clay: Thickness 3-15 m. Laminated silt and clay deposited in a glacial lake. Fine-grained sediments were deposited in proglacial lakes formed by the impoundment of meltwater between higher ground or moraines and the receding ice margin. Water levels of these lakes were controlled by the opening of progressively lower spillways as the ice margin retreated.
- Pics** Ice-contact Stratified Drift: Well-sorted and stratified sand, gravel, and cobbles, deposited in contact with former glaciers. Stratified drift includes kames, kame moraines, and kame terraces.
- Po** Outwash: Well sorted gravel deposited pro-glacially from actively retreating glacial front, usually as an outwash plain.
- Pt** Till: Massive diamict composed of sediments ranging in size from clay through boulders, deposited directly by glacial ice. Sediments are highly compacted due to deposition beneath glacial ice.
- Br** Bedrock: Local bedrock exposure at or 1m below surface.

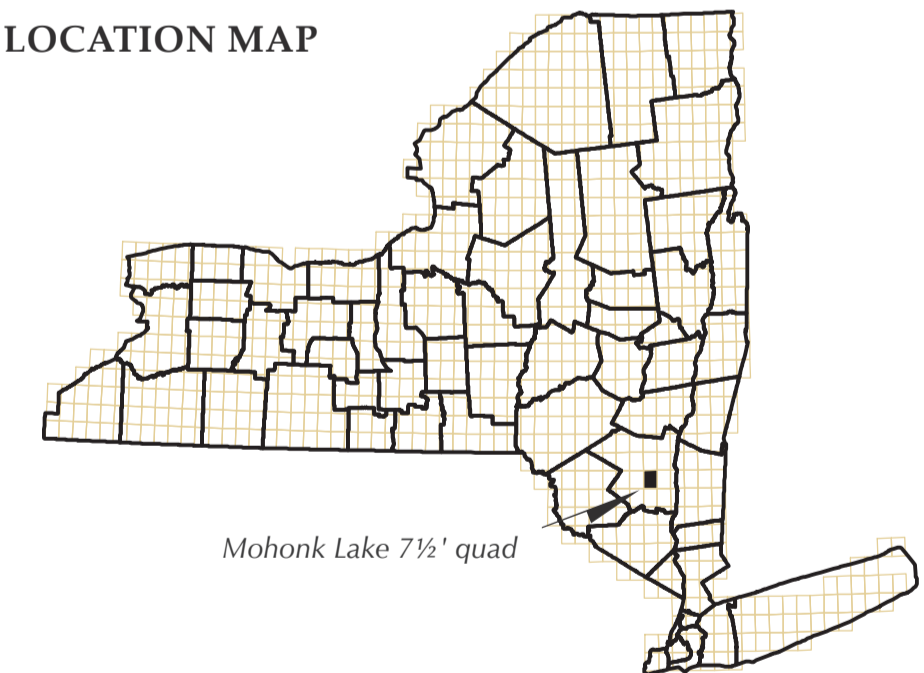
GEOLOGIC SYMBOLS

- Contact, definite
- Contact, inferred
- Esker
Sinuous sand and gravel ridge deposited in a sub-glacial stream.
- Terrace
- Drumlin

SHADED TERRAIN MAP

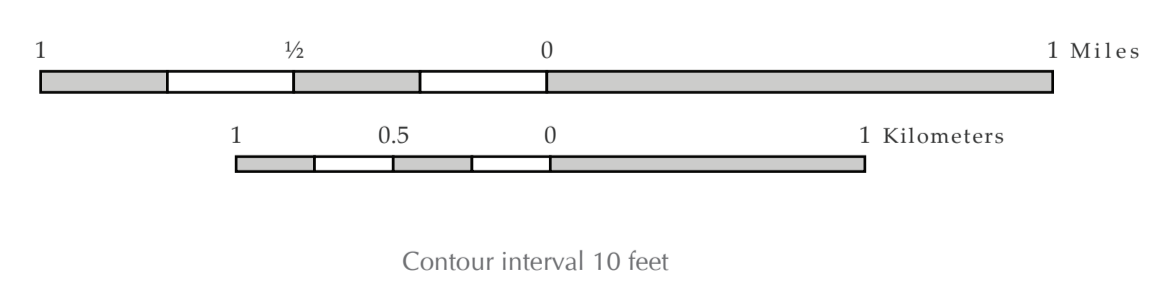
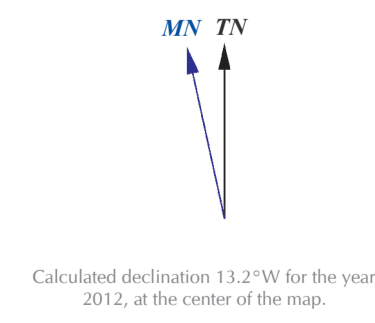


LOCATION MAP



NOTICE
This geologic map was funded in 2011 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.

Universal Transverse Mercator, Zone 18
North American Datum of 1983
Elevation contours, hydrography and planimetry layers from the New York State Dept. of Transportation State Quadangle separates for the Mohonk Lake 7 1/2' minute quad. DOT edition date 1973; USGS contour date 1964.
Magnetic declination from the NOAA online Declination Calculator: <http://www.noaa.gov/magnap/wrld/declination>



Geologic mapping by G. Connolly
Digital data and cartography by J. Pellerin, 2012

SURFICIAL GEOLOGY OF MOHONK LAKE QUADRANGLE, NEW YORK

G. Gordon Connolly

2011

New York State Museum Map & Chart No. 72
ISSN: 0097-3793; ISBN: 978-1-55557-327-0