

SURFICIAL GEOLOGY OF THE WEST NINEMILE POINT 7.5-MINUTE QUADRANGLE, CAYUGA COUNTY, NEW YORK

prepared by
Brian C. Bird and Andrew L. Kozlowski

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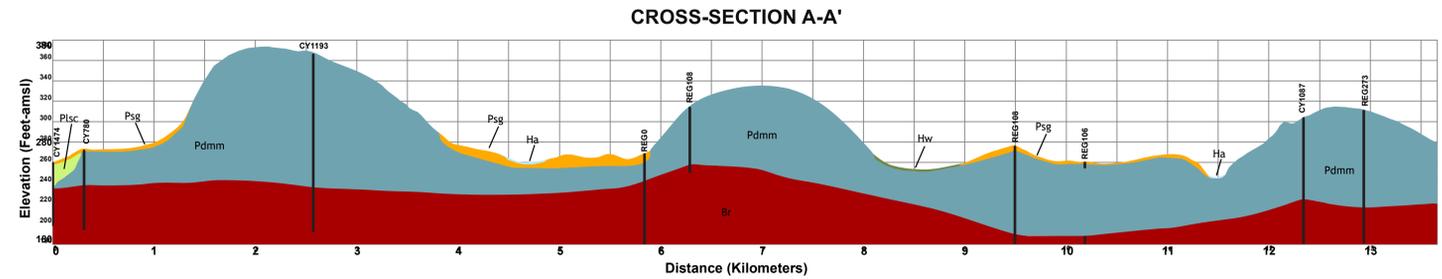
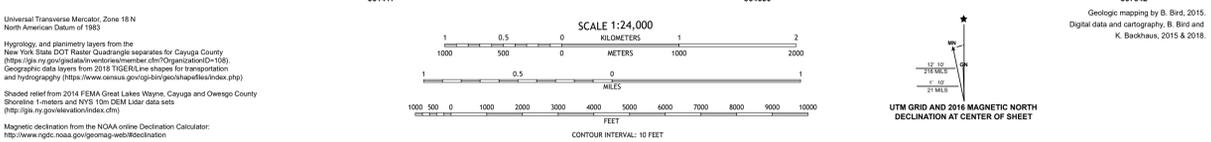
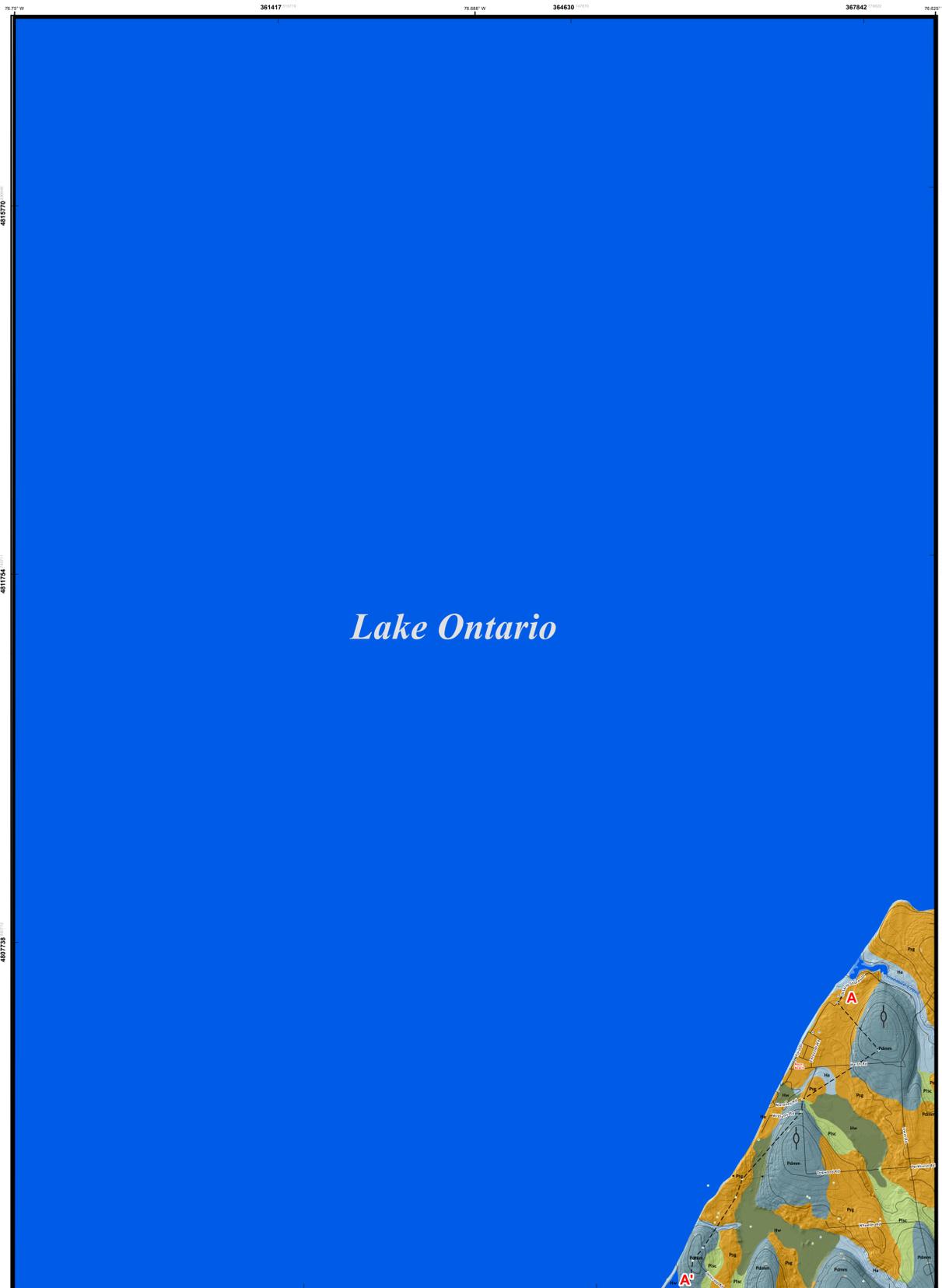
DESCRIPTION OF MAP UNITS

Holocene

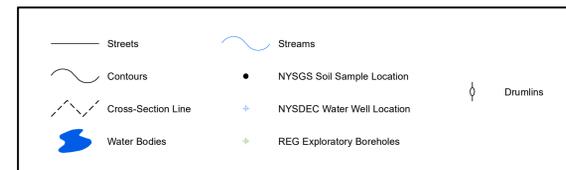
- Ha** **Stratified silt, sand and gravel (Ha)**
Sorted and stratified silt, sand, and gravel, deposited by rivers and streams. May include cobbles and boulders. Inferred as post-glacial alluvium and includes modern channel, over-bank and fan deposits
- Hw** **Wetland Deposit (Hw)**
Peat, muck, marl, silt, clay or sand deposited in association with wetland environments. Various sediments can be present at transitional boundaries from one facies to another

Pleistocene

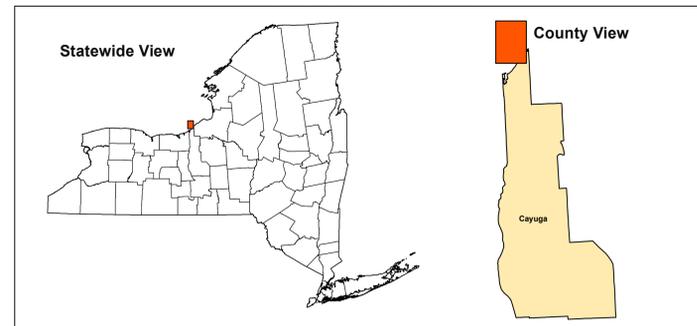
- Plsc** **Silt and Clay (Psc)**
Stratified, fine-grained sediment consisting of fine sand, silt and clay size particles. Inferred to be deposited in mid shore to deepwater settings of glacial lakes. May include marl, rythmites, and varves.
- Psg** **Stratified sand and gravel (Psg)**
Well-sorted and stratified sand and gravel. May include cobbles and boulders. Inferred to be delta, fan or lag deposits in glacial channels or near ice margins.
- Pdmm** **Diamicton (Pdmm)**
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.



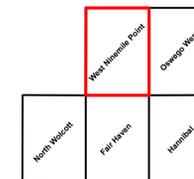
SYMBOLS



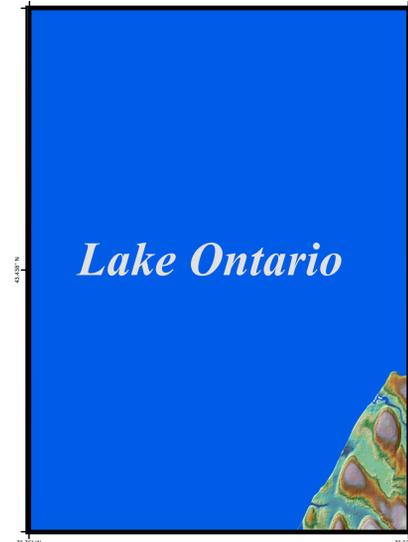
QUADRANGLE LOCATION



ADJOINING QUADRANGLES



QUADRANGLE ELEVATION



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NOTICE
This geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program Great Lakes Mapping Coalition award number G13AC00338 in the year 2013.
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1:75,000 scale; 2x vertical exaggeration
Shaded relief generated from 2014 Great Lakes Wayne, Cayuga and Oswego County lidar data set by the Federal Emergency Management Agency and the 2000 Cayuga County 2-meter lidar data sets.