

SURFICIAL GEOLOGY OF THE VICTORY 7.5-MINUTE QUADRANGLE, CAYUGA AND WAYNE COUNTIES, NEW YORK

prepared by
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National Cooperative Geologic Mapping Program (STATEMAP)

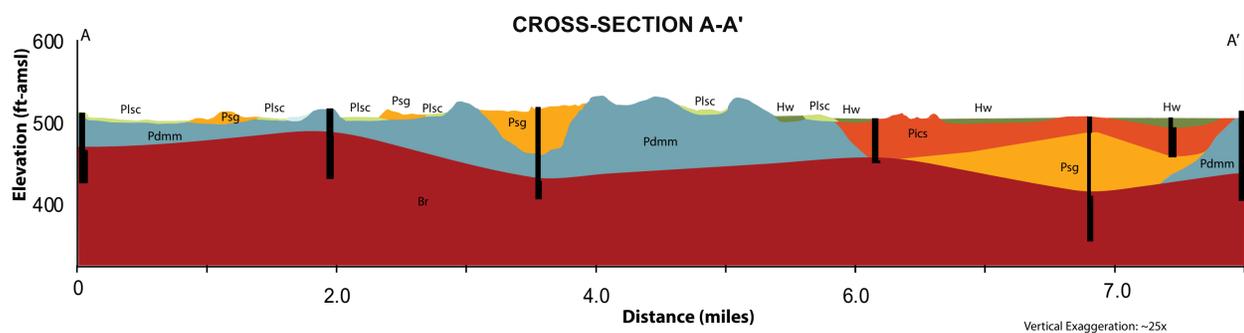
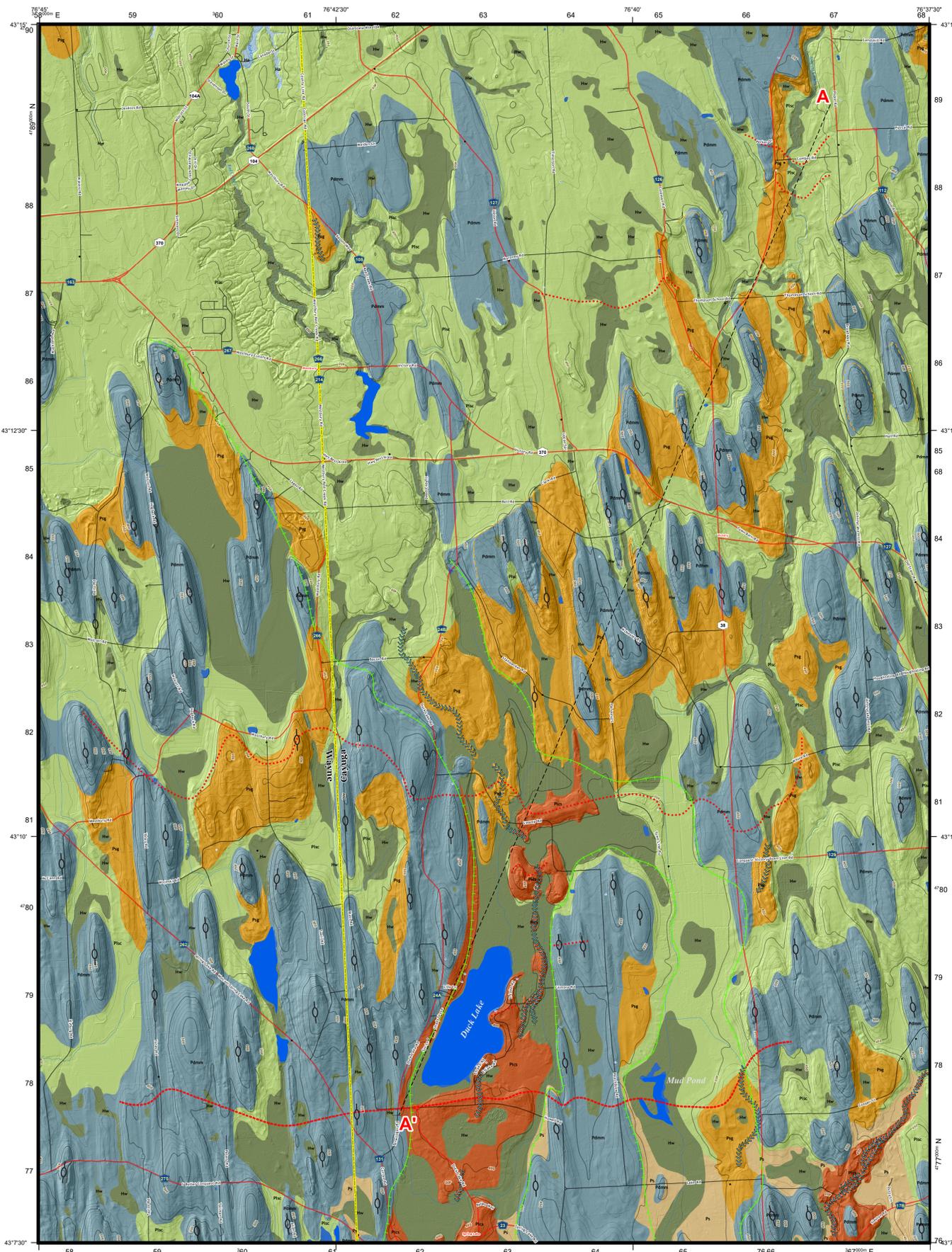
DESCRIPTION OF MAP UNITS

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

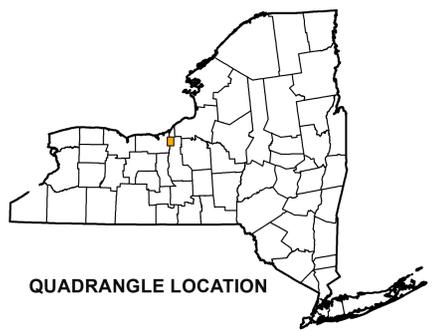
Pleistocene

- Ps** **Stratified Sand (Ps)**
Well sorted and stratified sand, deposited by fluvial, lacustrine or eolian processes. Inferred as deposits associated with distal glacial environments.
- Plsc** **Silt and Clay (Plsc)**
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.
- Pics** **Cobbles to Sand (Pics)**
Stratified ice contacted deposits, variable coarse-grained sediment consisting of boulders to sand size particles. Inferred to be deposited along an ice-margin. May include, interbedded coarse lenses of gravel and clast supported diamictons (flow tills).
- 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.



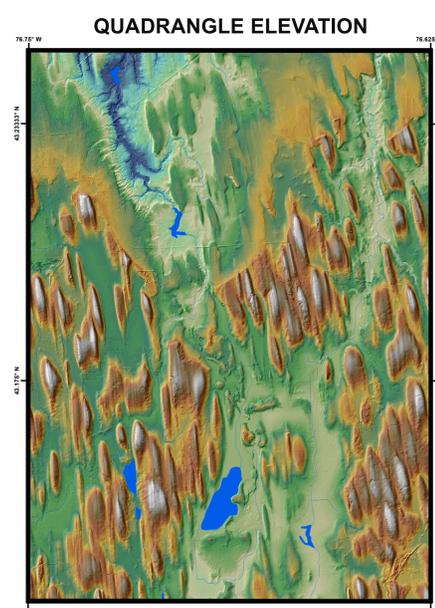
SYMBOLS

- | | | | |
|---------------|----------------------|----------------------------------|---------------------------|
| — Streets | — Streams | • NYSGS Soil Sample Location | — Meltwater Channel |
| — Streets | — Water Bodies | • NYSDOT Boring Location | — Lake Iroquois Shoreline |
| — Railroads | — Contours | • NYSDEC Waterwell Location | — Eskers |
| — County Line | — Cross-Section Line | • NYSDEC Oil & Gas Well Location | — Ice Margin |
| | | | — Drumlins |

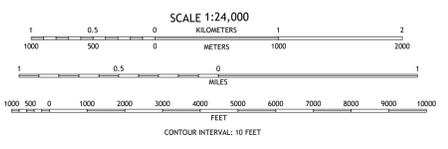


ADJOINING QUADRANGLES

North Webster	Fair Haven	Hambush
Wolcott	Victory	Cato
Savannah	Montausara	Webbport



Universal Transverse Mercator, Zone 18 N
North American Datum of 1983
Hydrology and plianthiry layers from the New York State DOT Raster Quadrangle separates for Cayuga and Wayne Counties
Geographic data layers from 2017 TIGERline shapes for transportation and hydrography
Shaded relief from Cayuga County 2 m
Lidar (http://www.cayugacounty.us/portals/0/Planning/interior/2014%20Great%20Lakes%20DEM%20Seneca%20Watershed%20DEM%20and%2010%20m%20DEM%20of%20NYS%20GIS%20Clearinghouse)
Magnetic declination from the NOAA online Declination Calculator



Geologic mapping by B. Bird, J. Want, A. Kozlowski, and K. Backhaus, 2011 and 2018.
Digital data and cartography by K. Backhaus and B. Bird, 2011 and 2018.
UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

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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 GA11AC20362 in the year 2011.
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Feet-amsl
300 605
1:75,000 scale; 2x vertical exaggeration
Shaded relief generated from 2000 Cayuga County New York Lidar data set from NOAA and the 2012 Seneca Watershed and 2014 Great Lakes Lidar data set from the FEMA and 10m DEM of NYS from the NYS GIS Clearinghouse.