

DESCRIPTION OF MAP UNITS

Holocene

- Af** **Artificial Fill (Af)**
Surficial sediment composed of coarse/fine and or crushed rock anthropogenically transported and used for construction purposes.
- 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
- Hdc** **Diamict Colluvium (Hdc)**
Unsorted and unstratified deposit of gravel, sand, silt, clay, with boulders/cobbles possible. Described as a mass-wasting deposit at the base of steep hillslopes and cliffs as part of a slump or hillslope failure.

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.
- 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.
- Pd** **Diamicton (Pd)**
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.
- Pdmm** **Diamicton (Pdmm)**
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.
- Pdcs** **Diamicton (Pdcs)**
An admixture of unsorted sediment ranging from clay to boulders. Generally clast supported, massive and clast-rich.

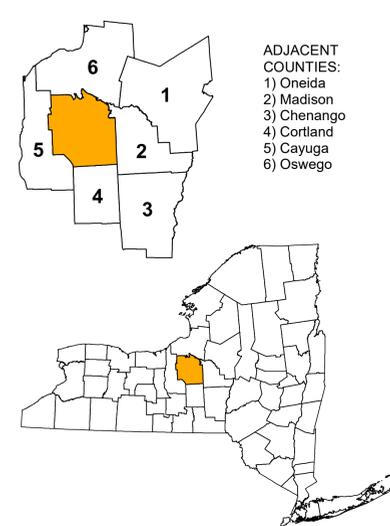
Pre-Pleistocene

- Br** **Bedrock (Br)**
Non-glacially derived, hard rock, pre-pleistocene in age. May be covered up to a meter in diamicton, sand and gravel, or sand and clay in areas marked as Br.

GEOGRAPHIC SYMBOLS

- County, Federal and State Routes
- Interstates
- Railroads
- Airport Runways
- County Line
- Streams
- Water Bodies
- Rock Quarry
- Alluvial Fan or Delta
- Beach

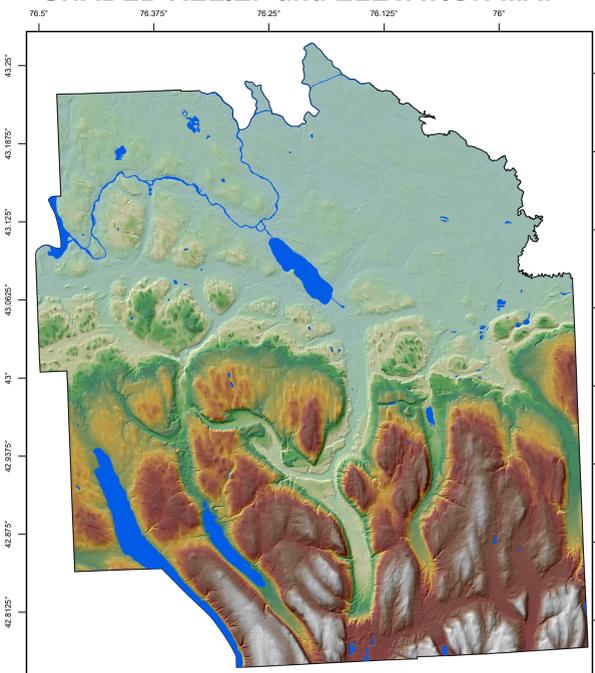
COUNTY LOCATION



QUADRANGLES WITHIN



SHADED RELIEF and ELEVATION MAP



Feet-amsl
350 2075

1:250,000 scale; 2x vertical exaggeration

Shaded relief and digital elevation model generated from the compilation of the Onondaga 3m and New York State 10m Lidar data sets from the NYS GIS Clearinghouse.

This map is a compilation of twenty one 1:24,000 scale surficial geologic maps completed from 1994 to 2016. Geology was mapped by Donald Pair. Cartography and digital data of individual quadrangles and final county wide product generated with contributions from Donald Pair, Katherine Schoenenberger, Janet Manchester, Brian Bird, and Karl Backhaus.
The final product of this Onondaga County surficial geologic map was funded in part by the USGS National Cooperative Geologic Mapping Program. A award number G16AC00293 in the year 2016. Individual Quadrangles were also funded in part by the USGS National Cooperative Geologic Mapping Program.
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