SURFICIAL GEOLOGY OF THE CAYUGA 7.5-MINUTE QUADRANGLE, CAYUGA AND SENECA COUNTIES, NEW YORK
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DESCRIPTION OF MAP UNITS

Holocene

Af
Artificial Fill (Af)
Sediment composed of coarse and or crushed rock anthropogenically transported and used for construction purposes.

Ha
Stratified silt, sand and gravel (Ha)
Stratified 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

Psc
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, rhyolites, and vanes.

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 diamictite (flow tills).

Pdmm
Diamictite (Pdmm)
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix 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.

SYMBOLS

CROSS-SECTION A-A'

Distance (Kilometers)

QUADRANGLE ELEVATION

370
375
Feet-amsl

QUADRANGLE LOCATION

ADJOINING QUADRANGLES

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Magnetic declination from the NOAA online Declination Calculator: [http://gis.ny.gov/elevation/index.cfm]
Shaded relief from Seneca Lake Watershed 2 m, and hydrography (https://www.census.gov/cgi-bin/geo/shapefiles/index.php)
New York State DOT Raster Quadrangle separates for Cayuga and Seneca Counties