SURFICIAL GEOLOGY OF THE DE RUYTER 7.5-MINUTE QUADRANGLE, CORTLAND, MADISON AND ONONDAGA COUNTIES, NEW YORK

DESCRIPTION OF MAP UNITS

Holocene

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

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

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, rhythmites, and varves.

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 clay supported diamictites (flow tills).

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 former ice margins.

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

QUADRANGLE LOCATION

SYMBOLS

- Streets
- Highways
- County Line
- Water Bodies
- Streams
- Contour
- NYSDEC Water Well Location
- NYSDEC Boring Location

ADJOINING QUADRANGLES

QUADRANGLE ELEVATION