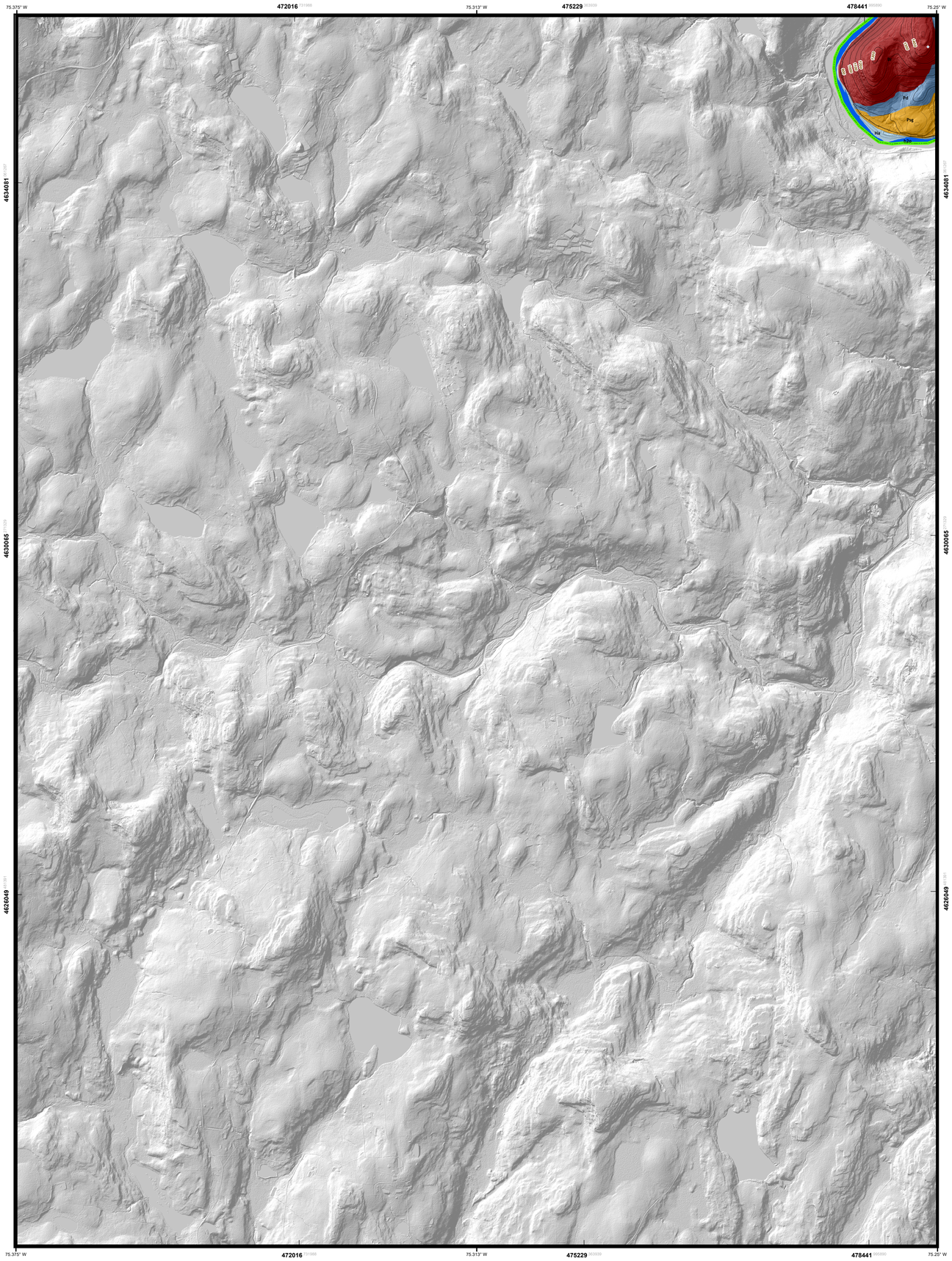
New York State Museum
Mark Schaming, Director

New York State Geological Survey

SURFICIAL GEOLOGY OF THE LAKE COMO 7.5-MINUTE QUADRANGLE, DELAWARE COUNTY, NEW YORK

prepared by
Karl J. Backhaus and James R. Leone

Supported in part by the National Park Service Task Agreement P15AC01351 in the year 2015.



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

Pleistocene

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 former ice margins.

Pd

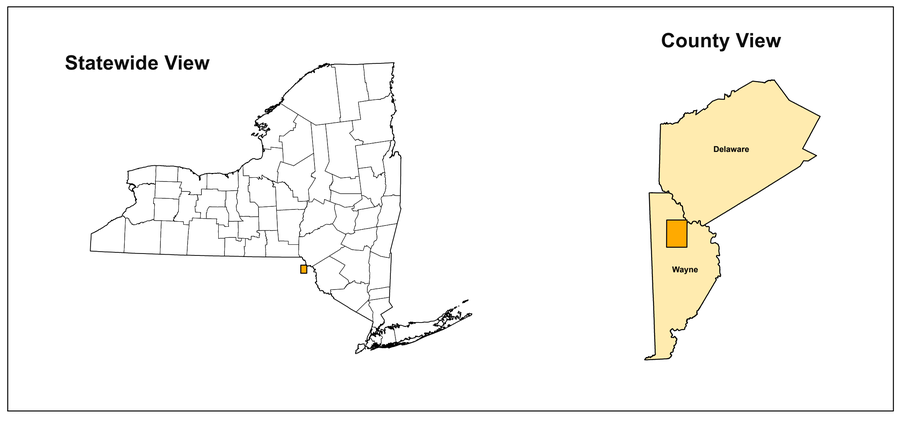
Diamicton (Pd)
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.

Pre-Pleistocene

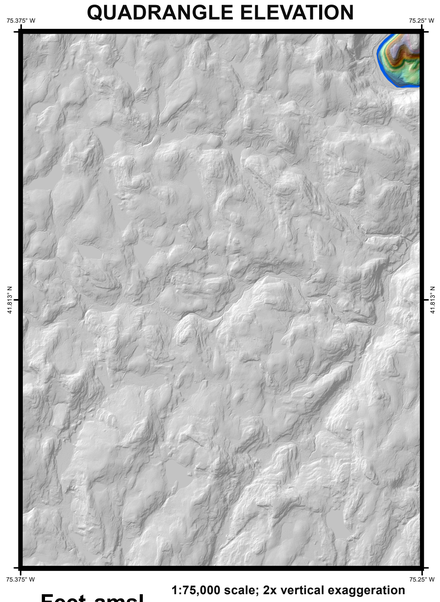
Br

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.

QUADRANGLE LOCATION



QUADRANGLE ELEVATION



Feet-amsl
851 — 1465

1:75,000 scale; 2x vertical exaggeration

Shaded relief generated from 2007 Delaware & Sullivan Counties 1-meter lidar data set by the Federal Emergency Management Agency.

SYMBOLS

- Railroads
- State Line
- Contours
- NYSDEC Water Well Location
- Water Bodies

ADJOINING QUADRANGLES

Starrucca	Hancock	Fishs Eddy
Orson	Lake Como	Long Eddy
Forest City	Aldenville	Galilee

Universal Transverse Mercator, Zone 18 N
North American Datum of 1983

Hygrology, and planimetry layers from the New York State DOT Raster Quadrangle separates for Delaware County (https://gis.ny.gov/gisdata/inventories/member.cfm?OrganizationID=108). Geographic data layers from 2018 TIGER/Line shapes for transportation and hydrography (https://www.census.gov/cgi-bin/geo/shapefiles/index.php)

Shaded relief from 2007 FEMA Delaware-Sullivan 1-meter and the NYS 10-meter lidar data sets (http://gis.ny.gov/elevation/index.cfm)

Magnetic declination from the NOAA online Declination Calculator: http://www.ngdc.noaa.gov/geomag-web/#declination

SCALE 1:24,000

KILOMETERS: 1 — 0.5 — 0 — 1 — 2
METERS: 1000 — 500 — 0 — 1000 — 2000
MILES: 1 — 0.5 — 0 — 1
FEET: 1000 — 500 — 0 — 1000 — 2000 — 3000 — 4000 — 5000 — 6000 — 7000 — 8000 — 9000 — 10000

CONTOUR INTERVAL: 10 FEET

Geologic mapping by J.Leone, K. Backhaus and C. Porreca, 2016
Digital data and cartography, K. Backhaus, 2019.

MN — GN
12° 32'
223 MILS
0° 12'
4 MILS

UTM GRID AND 2016 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

NOTICE

This geologic map was funded in part by theNational Park Service Task Agreement P15AC01351 for Geologic Mapping in Upper Delaware Scenic and Recreational River Phase 1 in the year 2015.

The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily presenting the official policies, either expressed or implied, of the U.S. Government.

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