

EXPLANATION

HOLOCENE

-  **Quarry** (sq)
-  **Alluvium**: Thickness 1-5 m. Recent floodplain deposits, composed of poorly stratified silt, sand, and clay. (al)
-  **Organic deposits**: Thickness 1-5 meters. Peat, muck, organic silt, and sand deposits in poorly drained areas. (pm)

PLEISTOCENE

-  **Glaciolacustrine silt and sand** (lss)
-  **Glaciolacustrine silt and clay**: Thickness 3-15 m. Laminated silt and clay deposited in a glacial lake. Fine-grained sediments were deposited in proglacial lakes formed by the impoundment of meltwater between higher ground or moraines and the receding ice margin. Water levels of these lakes were controlled by the opening of progressively lower spillways as the ice margin retreated. (lsc)
-  **Fluvial silt, sand, and gravel**: Thickness 20-60 m. Coarse to fine silt, sand, gravel, and cobbles representing a complex of outwash and outwash delta sediments. (fsg)
-  **Ice contact sand and gravel**: Thickness 2-20 m. Coarse to fine sand and gravel, poorly to well stratified and/or sorted, deposited adjacent to ice. (ic)
-  **Till moraine**: Thickness 2-30 m. Mixture of unsorted to poorly sorted clay, silt, sand, to boulder-sized diamict deposited to ice. The surface of this unit may include distinct moraine ridges in several portions of the map. (tm)
-  **Glacial till**: Thickness 2-30 m. Mixture of unsorted to poorly sorted clay, silt, sand, to boulder-sized diamict deposited by glacial processes. It may be highly compacted and is clay-rich in the map area. (t)
-  **Thin glacial till**: Thickness less than 2 m. Mantle of glacial till with the same characteristics described above, but with bedrock close to the surface. Till may be absent along streamways and on some steep valley walls. (tb)

PRE-PLEISTOCENE

-  **Bedrock**: exposed or within one meter of the surface. (r)

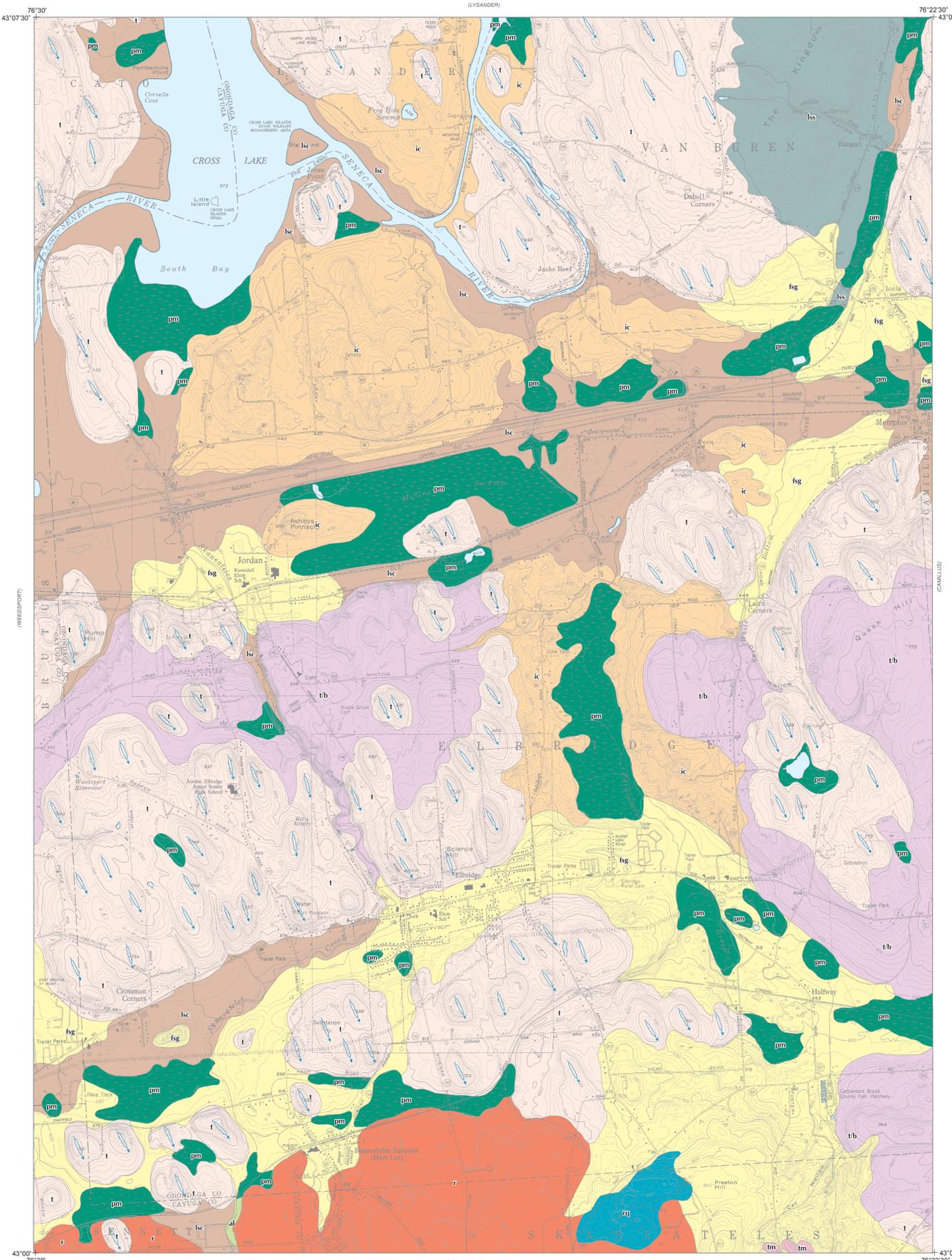
GEOLOGIC SYMBOLS

-  **Drumlin**

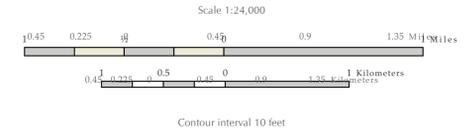
SHADED TERRAIN MAP



MAP LOCATION



Universal Transverse Mercator, Zone 18
North American Datum of 1983
Elevation contours, bathymetry, and planimetry layers from the New York State Department of Transportation State Quadangle system for the Jordan 7 1/2' minute quad. DOT edition date: 1989; USGS contour date: 1955.
Magnetic declination from the NOAA online Declination Calculator: <http://www.ngdc.noaa.gov/gemmag/declination>
Calculated declination 12.1°W for the year 2012, at the center of the map.



Geologic mapping and digital data by D.L. Pair, 2011.
Cartography: J. Pelletier, 2012.

SURFICIAL GEOLOGIC MAP OF THE JORDAN 7 1/2' QUADRANGLE, ONONDAGA COUNTY, NEW YORK

Donald L. Pair
2012

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