

EXPLANATION

HOLOCENE

- pm** Organic deposits: Thickness 1-5 meters. Peat, muck, organic silt, and sand deposits in poorly drained areas.
- al** Alluvium: Thickness 1-5 m. Recent floodplain deposits, composed of poorly stratified silt, sand, and clay.
- alf** Alluvial fan: Poorly sorted and stratified silt, sand, and gravel deposited as fans at the base of steep slopes. "alf" is used only where a discernible fan landform is mapped. Thickness 3-15 meters. Materials are fluvially reworked from glacial materials derived from the uplands and valley walls.

PLEISTOCENE

- isc** 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.
- fsg** 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.
- ic** 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.
- tm** Till moraine: Thickness 2-30 m. Mixture of unsorted to poorly sorted clay, silt, sand, to boulder sized diamict. Deposition adjacent to ice. The surface of this unit may include distinct moraine ridges in several portions of the map.
- t** 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.
- tib** 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.

PRE-PLEISTOCENE

- Red** Bedrock: Bedrock exposed or within one meters of the surface.
- Hatched** Bedrock quarry area

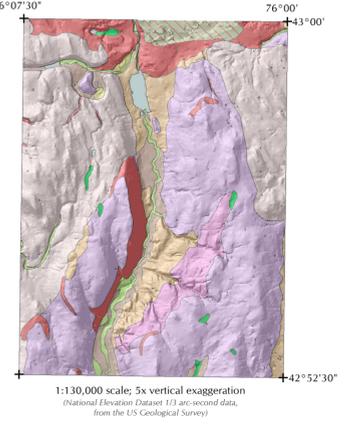
GEOLOGIC SYMBOLS

- Contact
- Spillway
- Meltwater channel

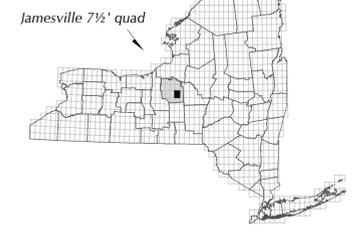
OTHER SYMBOLS

- Intermittent stream

SHADED TERRAIN MAP -- Jamesville quadrangle



MAP LOCATION

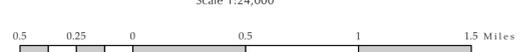
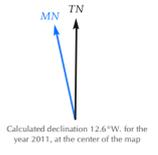


NOTICE
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UTM projection, Zone 18; NAD27 datum

Elevation contours, hydrography, and planimetry layers from the New York State Dept. of Transportation Base Quadrangle separates for the Jamesville and Onan quads: DOT edition dates 1990 (Jamesville) and 2001 (Onan); USGS contour date 1973 for both.

Magnetic declination from the NOAA online Declination Calculator: <http://www.ngdc.noaa.gov/>



Contour interval 20 feet

Geologic mapping -- D. Pair, 1998, 2010.

Digital data -- K. Schoenberger and J. Manchester, 2010-11. Digital cartography -- J. Manchester, 2011.

SURFICIAL GEOLOGY OF THE JAMESVILLE QUADRANGLE, NEW YORK

Donald L. Pair

2011