SURFICIAL GEOLOGY OF THE TOMPKINS COUNTY PORTION OF THE TRUMANSBURG 7.5-MINUTE QUADRANGLE, NEW YORK

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DESCRIPTION OF MAP UNITS

Holocene
- Artificial Fill (AF): Surficial sediment composed of construction debris and/or crushed rock, deposited on artificially- or naturally-impounded land for construction purposes.
- Brecciated sand, silt and gravel (Br): Surficial sediment consisting of cobbles, sand, gravel, and/or clay size sediments. May include cobbles and boulders. Inferred to be post-glacial deposits and includes aeolian sand, river, and till deposits.
- Reworked (Rw): Surficial sediment consisting of cobbles, sand, and gravel. May include cobbles and boulders. Inferred to be deep post-glacial deposits and includes lake, river, and till deposits.

Pleistocene
- Surficial Sediment (Ps): Surficial sediment consisting of cobbles, sand, and gravel. May include cobbles and boulders. Inferred to be deep post-glacial deposits and includes lake, river, and till deposits.
- Till and Clay (Tc): Surficial sediment consisting of cobbles, sand, gravel, and/or clay size sediments. May include cobbles and boulders. Inferred to be deep post-glacial deposits and includes lake, river, and till deposits.
- Stratified Sand (Ps): Surficial sediment consisting of cobbles, sand, and gravel. May include cobbles and boulders. Inferred to be deep post-glacial deposits and includes lake, river, and till deposits.
- 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 sand, silt, and clay.

Pre-Pleistocene
- Rock units: 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.

SYMBOLS

Beds
- NYSDEC Water Well Location
- NYSDEC Oil & Gas Well Location
- NYSDEC Soil Sample Location

STREAMS
- County Line
- DEC Landowner Location
- DEC Property Location

ADJOINING QUADRANGLES

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Geologic mapping by K. Backhaus, A. Kozlowski

Digital data and cartography, K. Backhaus, 2021

1:75,000 scale; 2x vertical exaggeration

Statewide View
County View
Quadrangle Location
Quadrangle Elevation

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