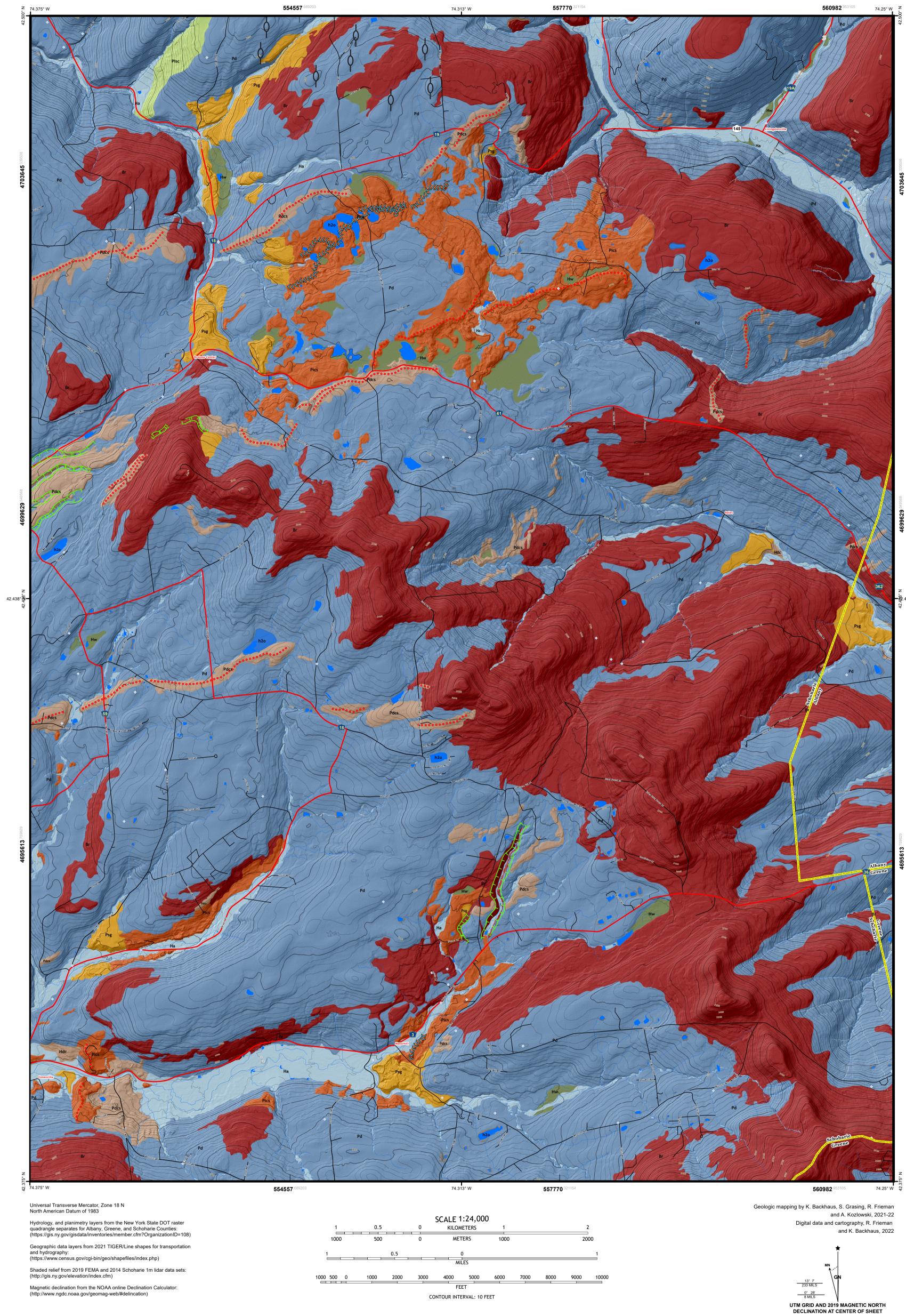
New York State Museum & Science Service



New York State Geological Survey Dr. Andrew L. Kozlowski, Director



SURFICIAL GEOLOGY OF THE LIVINGSTONVILLE 7.5-MINUTE QUADRANGLE, ALBANY, GREENE AND SCHOHARIE COUNTIES, NEW YORK

Andrew L. Kozlowski, Karl J. Backhaus and Richard A. Frieman

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Supported in part by the U.S Geological Survey's National Cooperative Geologic Mapping Program Great Lakes Mapping Coalition Award Number G21AC10697

DESCRIPTION OF MAP UNITS

Holocene

Artifical Fill (Af) This unit is generally composed consists of coarse/-to-fine, materials such as large cement mounds and/or crushed rock, which have been transported anthropogenically transported and used for construction purposes.

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

Diamict Colluvium (Hdc)

Unsorted and unstratified deposit of gravel, sand, silt, clay, with boulders/cobbles possible. Described as a mass-wasting deposit at the base of steep hillslopes and cliffs as part of a slump or hillslope failure.

Pleistocene

Silt and Clay (Psc)

PISC 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, rythmites, and varves.

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.

Cobbles to Sand (Pics)

Stratified, ice contact 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 clast-supported diamicton (flow till).

Diamicton (Pd)

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

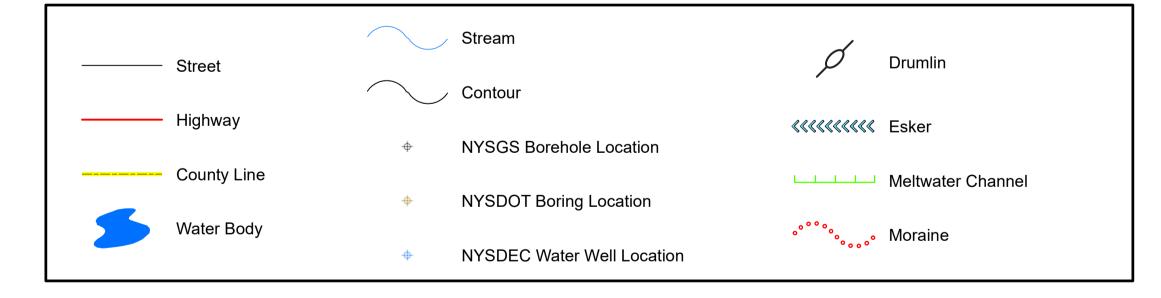
Diamicton (Pdcs)

An admixture of unsorted sediment ranging from clay to boulders. Generally clast-supported, massive and clast-rich.

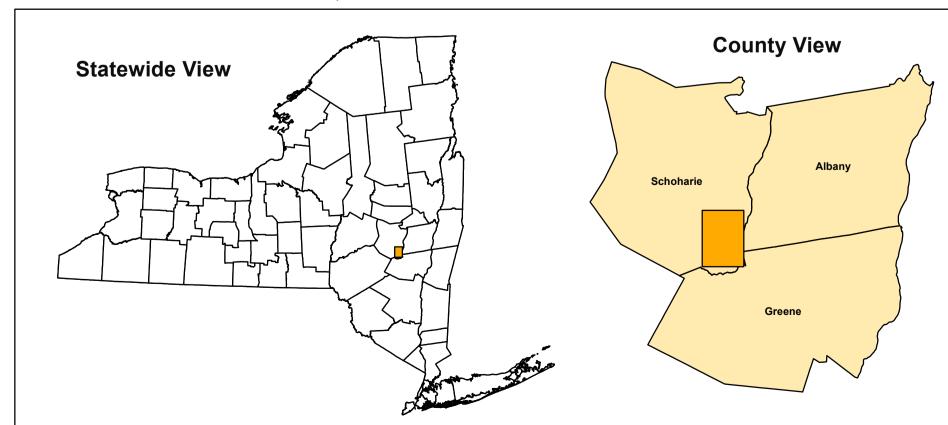
Pre-Pleistocene

Non-glacially derived, hard rock, Paleozoic in age. May be covered up to a meter in diamicton, sand and gravel, or sand and clay in areas marked as Br.

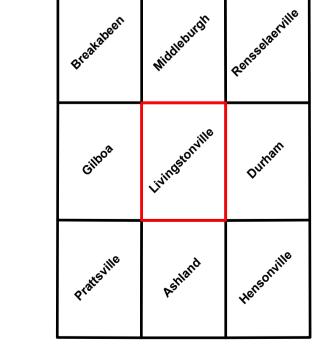
SYMBOLS



QUADRANGLE LOCATION

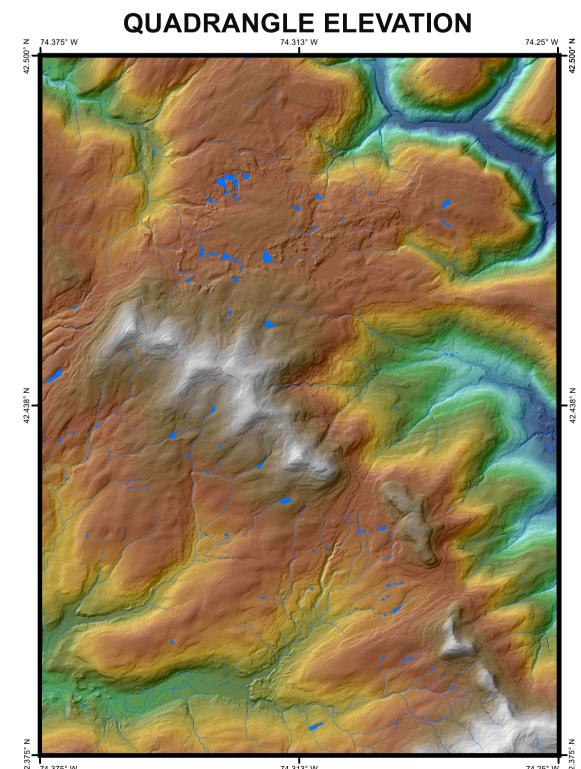


ADJOINING QUADRANGLES



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1:75,000 scale; 2x vertical exaggeration Feet-amsl Shaded relief generated from the 2019 FEMA 1m and the 2014 Schoharie 1m lidar data sets

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