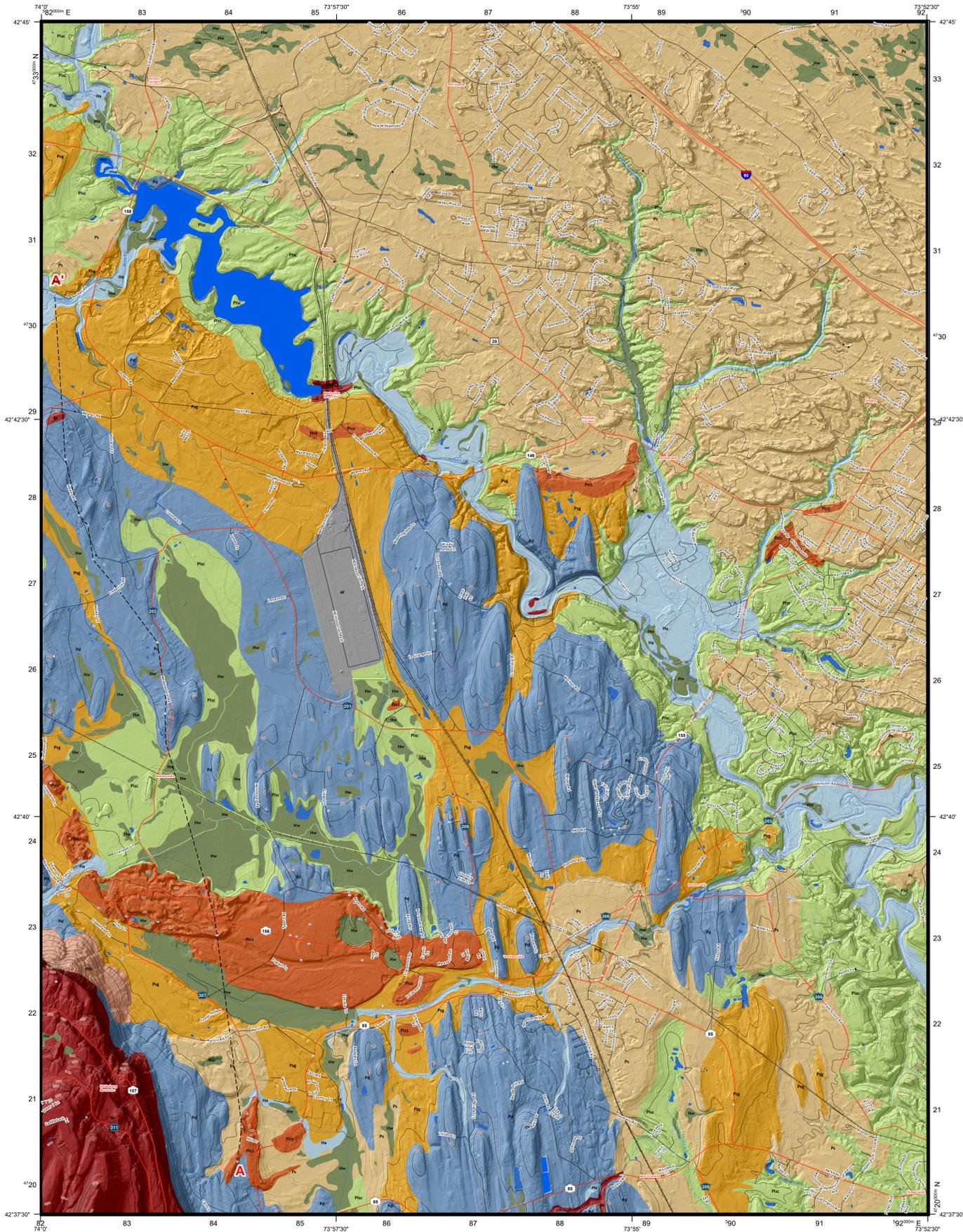


SURFICIAL GEOLOGY OF THE VOORHEESVILLE 7.5-MINUTE QUADRANGLE, ALBANY COUNTY, NEW YORK

prepared by
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National Cooperative Geologic Mapping Program (STATEMAP)



Holocene

- Af** **Artificial Fill (Af)**
Surficial sediment composed of coarse/fine and or crushed rock anthropogenically transported and used for construction purposes.
- 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
- Hw** **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
- Hdc** **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.

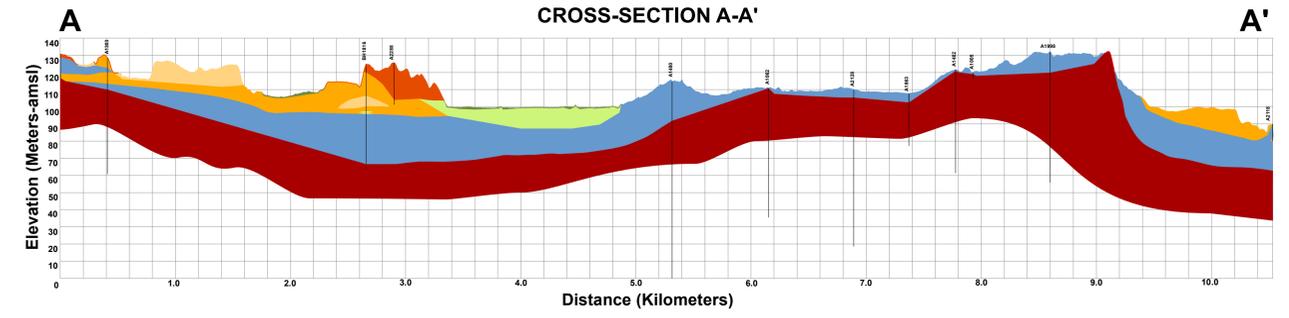
DESCRIPTION OF MAP UNITS

Pleistocene

- Ps** **Stratified Sand (Ps)**
Well sorted and stratified sand, deposited by fluvial, lacustrine or eolian processes. Inferred as deposits associated with distal glacial environments.
- Plsc** **Silt and Clay (Psc)**
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.
- Pics** **Cobbles to Sand (Pics)**
Stratified ice contacted 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 diamictos (flow tills).
- 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 ice margins.
- Pd** **Diamicton (Pd)**
An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.

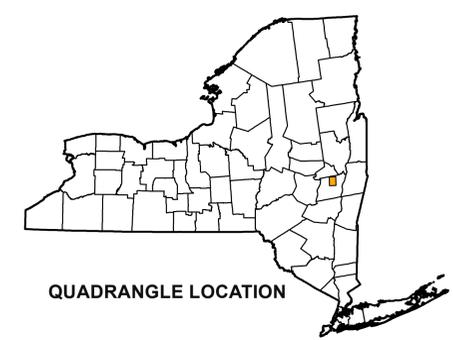
Pre-Pleistocene

- 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.



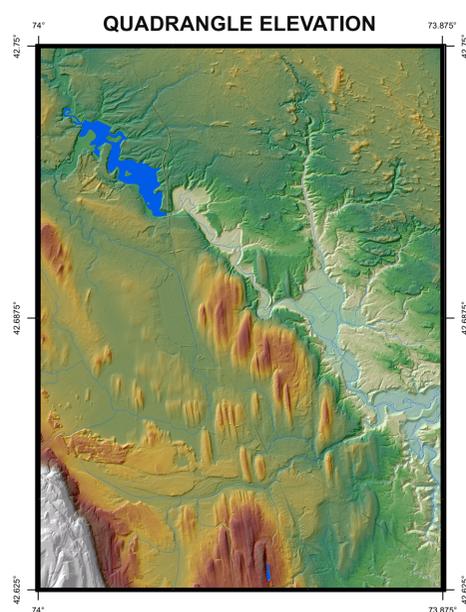
SYMBOLS

Highways	Streams	NYSDEC Water Well Location
Streets	Lakes	NYSGS Sample Location
Railroads	Contours	NYSGS Boring Location
Cross-Section Line		NYSDOT Boring Location

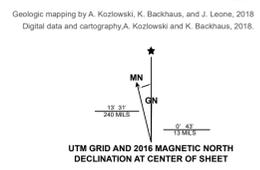
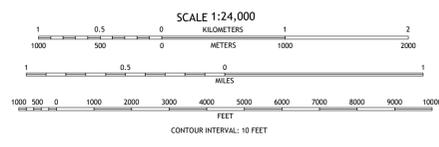


ADJOINING QUADRANGLES

Rotterdam Jct.	Schenectady	Niskayuna
Altamont	Voorheesville	Albany
Weststo	Clarksville	Dalmar



Universal Transverse Mercator, Zone 18 N
North American Datum of 1983
Hydrology and streamlines layers from the New York State DOT Raster Quadrangle separates for Albany County (<https://gis.ny.gov/gisdata/inventories/member.cfm?OrganizationID=108>)
Geographic data layers from 2018 TIGERline shapes for transportation and hydrography (<https://www.census.gov/geographic/shapefiles/index.php>)
Shaded relief from Capital District 2 m Lidar (<http://www.capitaldistrict.ny.gov/capitaldistrict/planning/interactivemap.html>), and NYS 10 m DEM (<http://gis.ny.gov/elevation/index.cfm>)
Magnetic declination from the NOAA online Declination Calculator: <http://www.ngdc.noaa.gov/geomag/web/declination>



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NOTICE
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Foot-amsl 1:75,000 scale; 2x vertical exaggeration
100 1625
Shaded relief generated from 2008 Capital District 2-meter Lidar data set by the New York State Group Purchasing Organization.