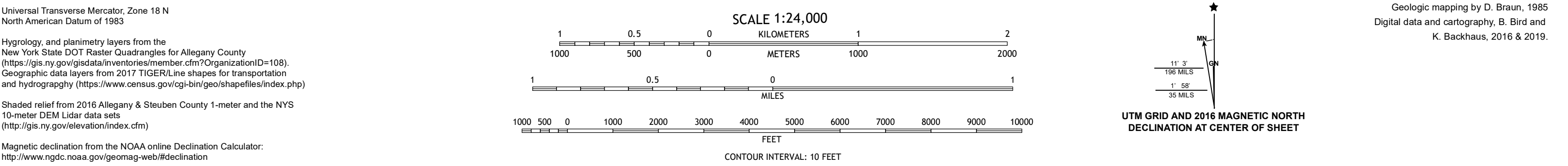
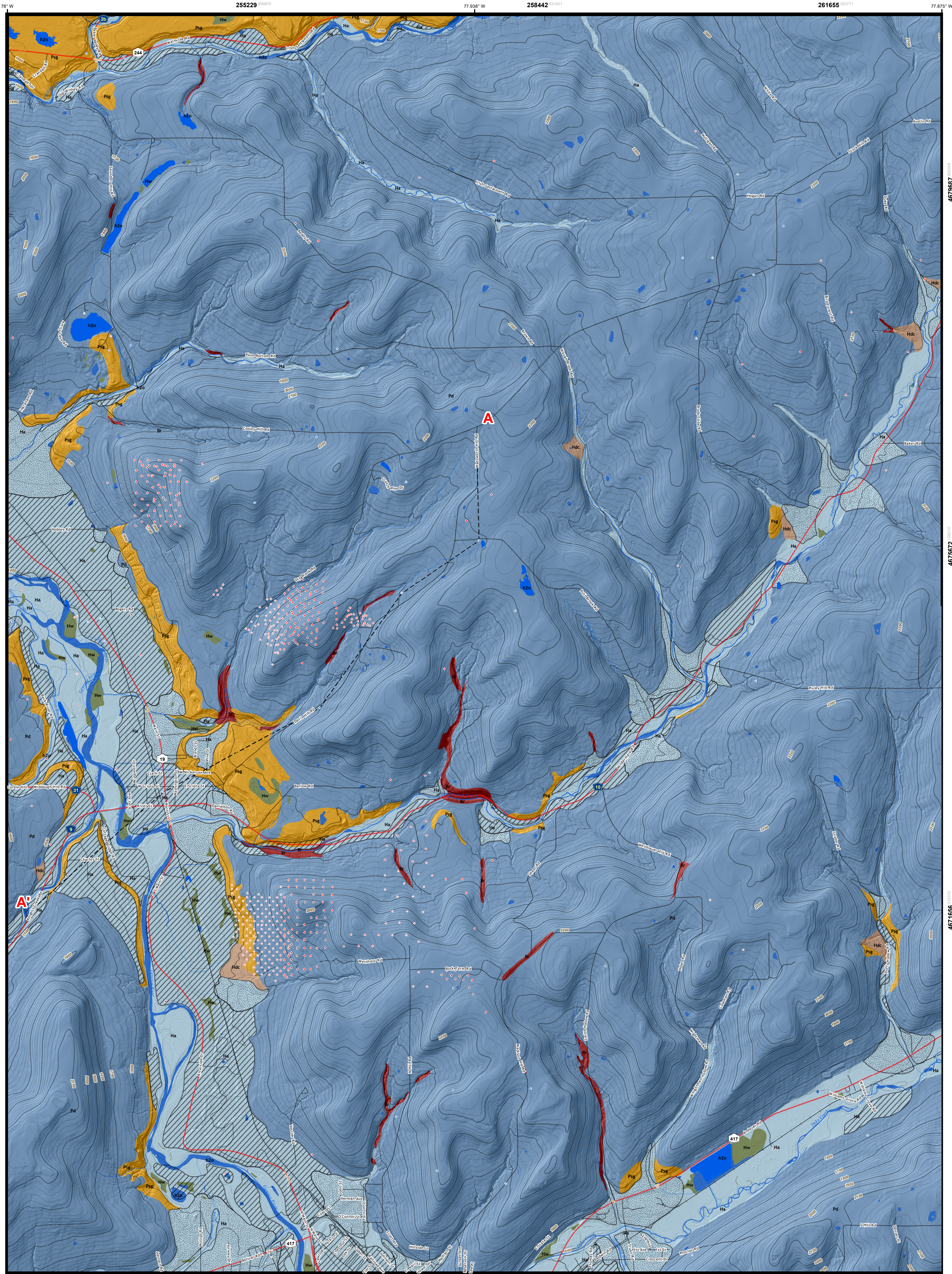


SURFICIAL GEOLOGY OF THE WELLSVILLE NORTH 7.5-MINUTE QUADRANGLE, ALLEGANY COUNTY, NEW YORK

prepared by
Duane D. Braun

Supported in part by the U.S Geological Survey's
National Cooperative Geologic Mapping Program STATEMAP Award Number G15AC00340



Holocene

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.

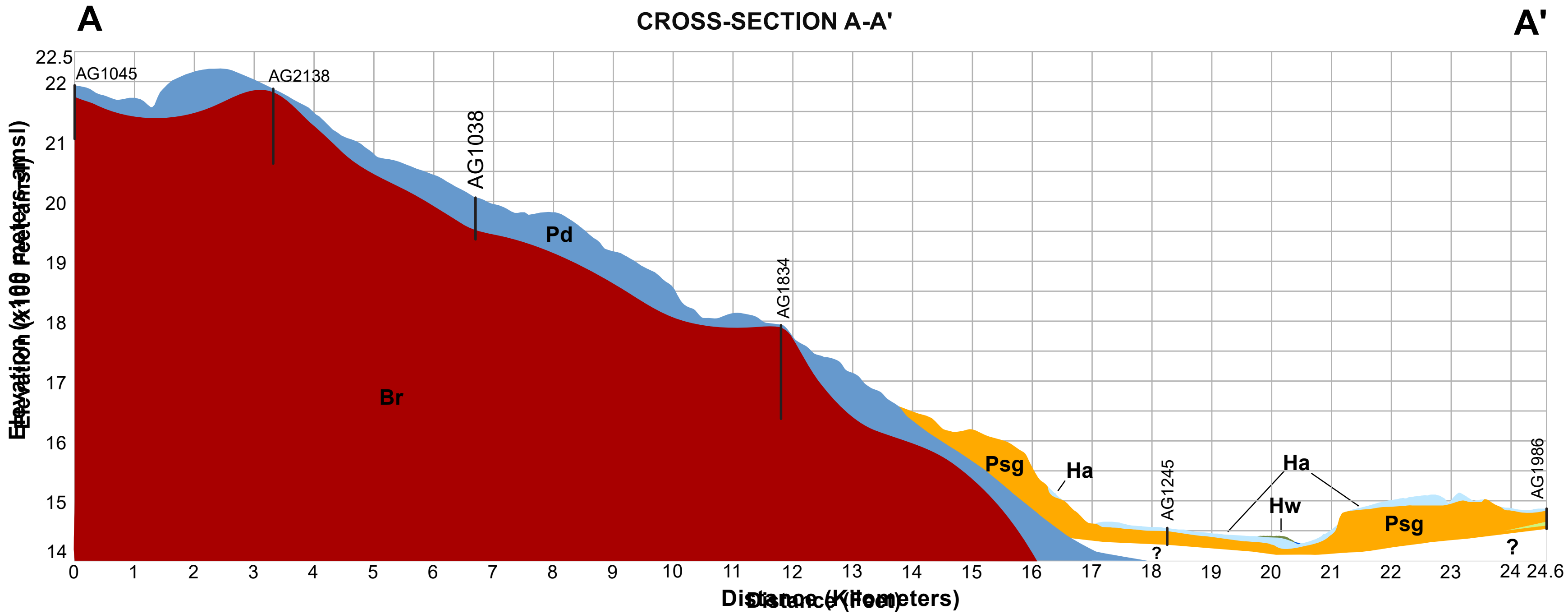
Pleistocene

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.
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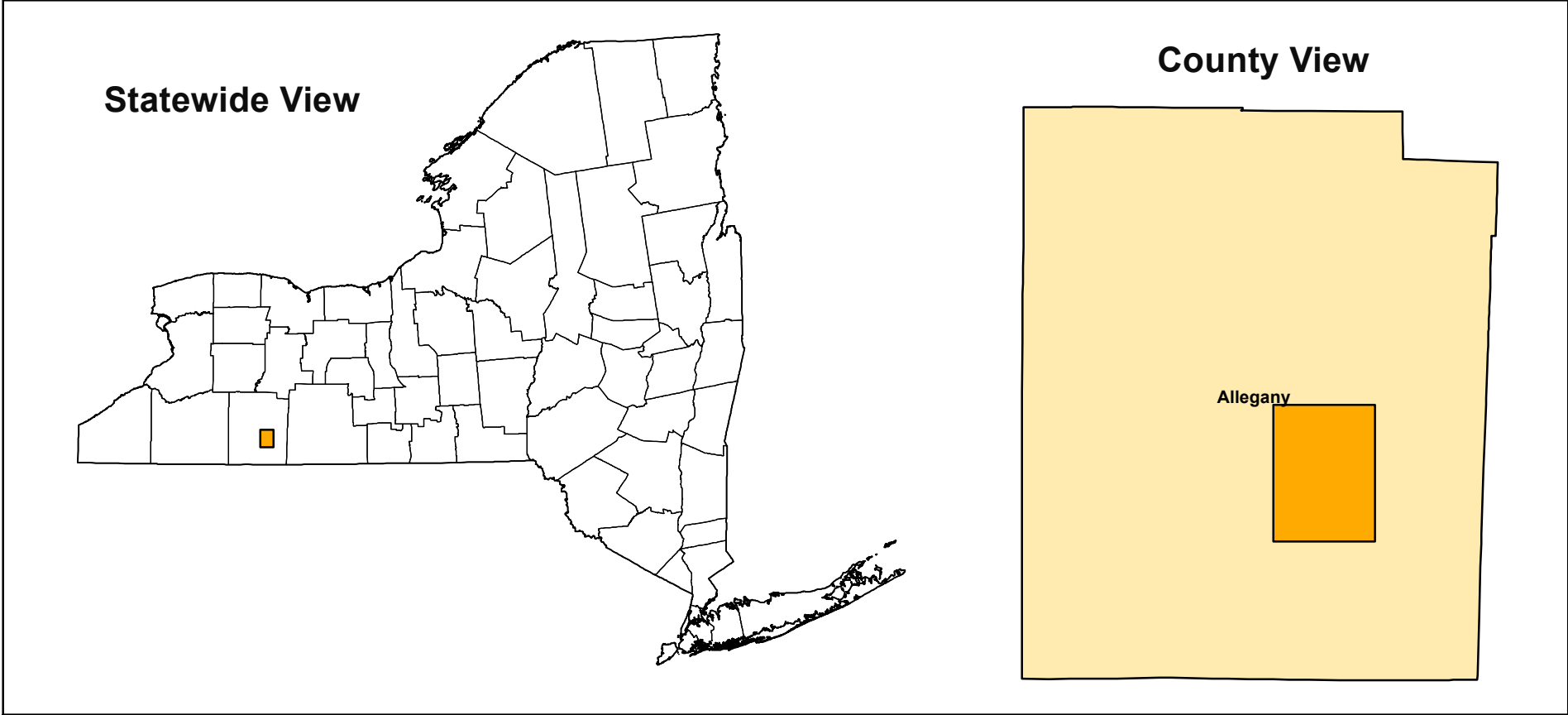
DESCRIPTION OF MAP UNITS



SYMBOLS

Streets	Water Bodies	NYSDEC Oil & Gas Well Location
Highways	Streams	NYSDEC Boring Location
Railroads	Cross-Section Line	Alluvial Terrace
Contours	NYSDEC Water Well Location	Alluvial Fan

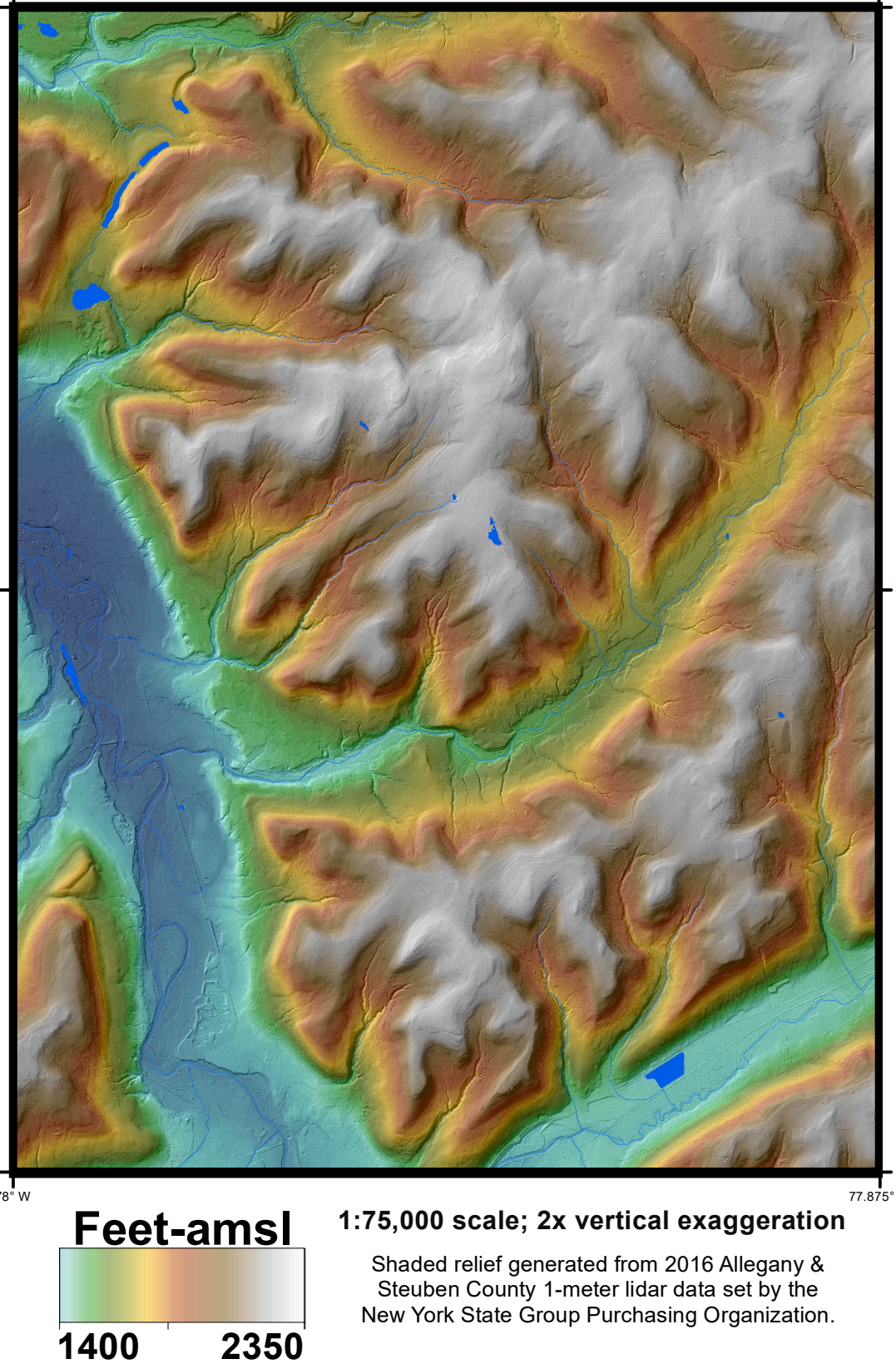
QUADRANGLE LOCATION



ADJOINING QUADRANGLES

Angela	West Amford	Alfred
Bellmont	Wellsville North	Arden
Allentown	Wellsville South	Whitesville

QUADRANGLE ELEVATION



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2015

NOTICE

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