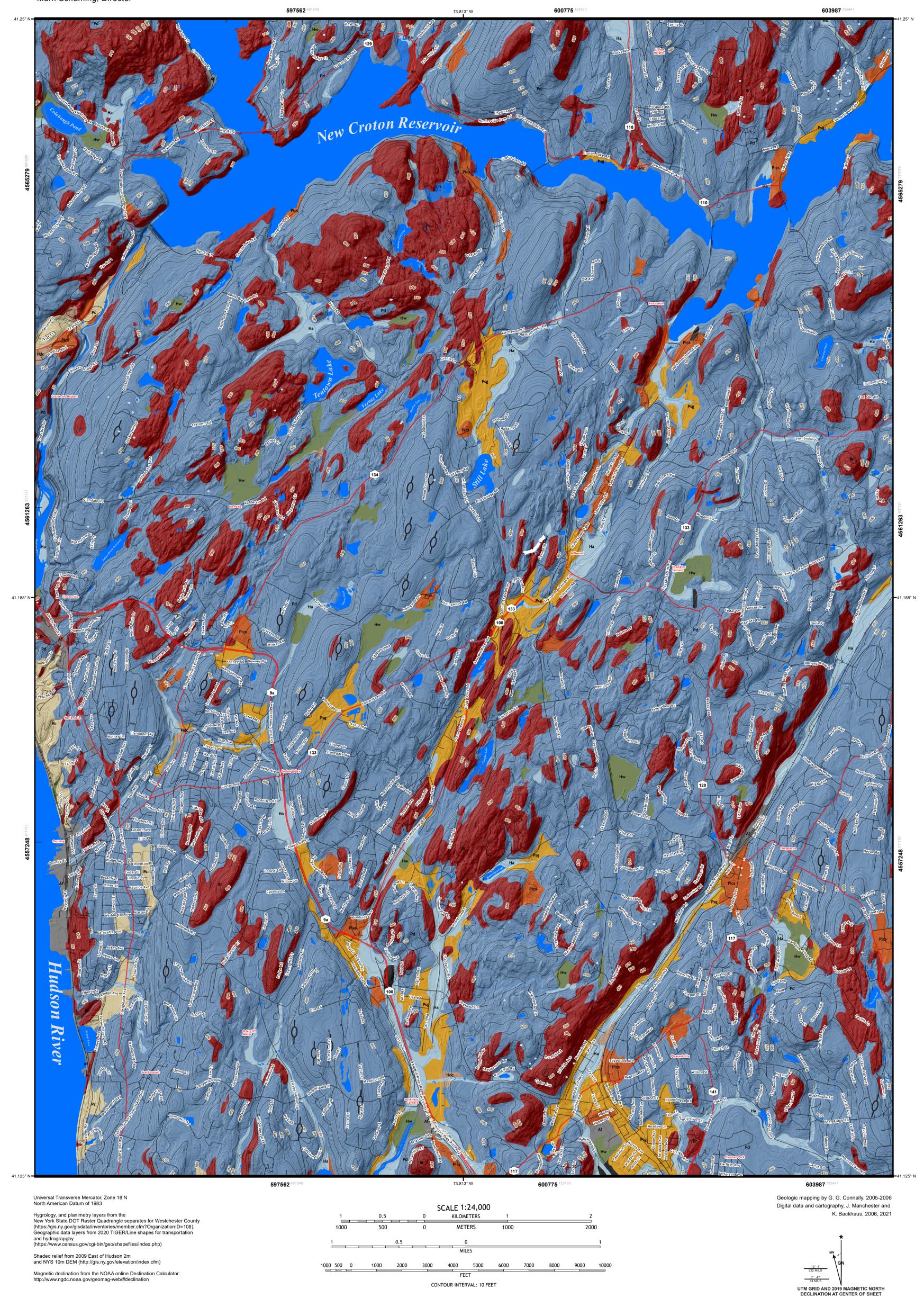
New York State Museum Mark Schaming, Director

New York State Geological Survey



# SURFICIAL GEOLOGY OF THE OSSONING 7.5-MINUTE QUADRANGLE, WESTCHESTER COUNTY, NEW YORK

G. Gordon Connally 2010

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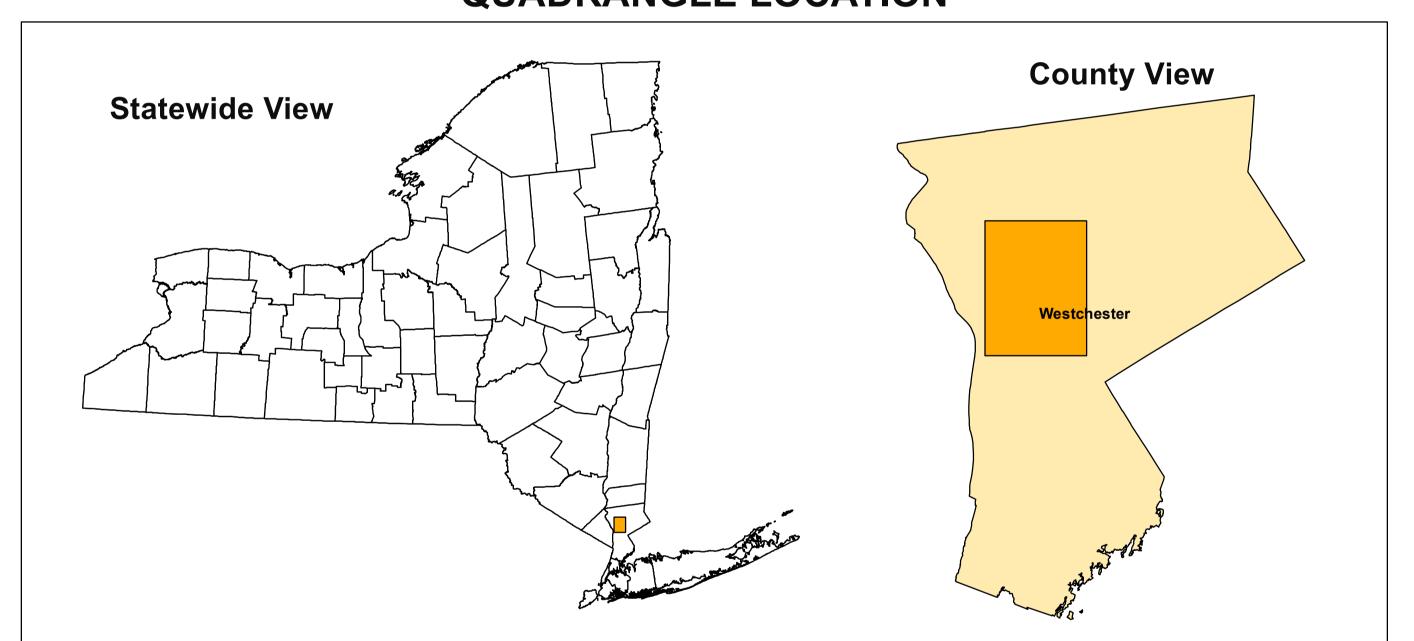
*prepared by* Janet Manchesteri and Karl J. Backhaus

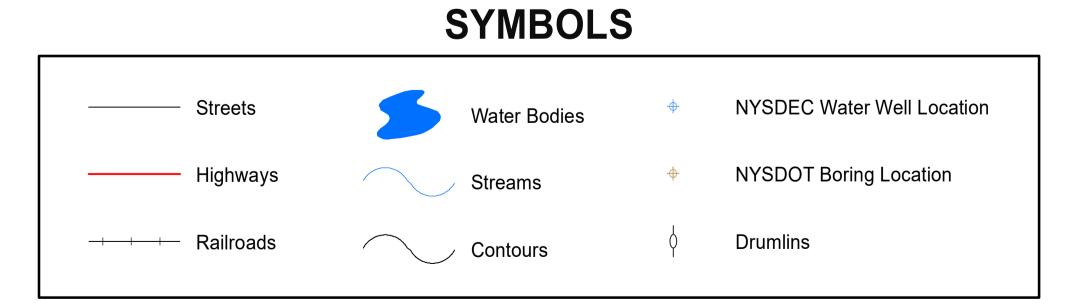
Supported in part by the U.S Geological Survey Cooperative Agreement Number 05HQAG0009 National Cooperative Geologic Mapping Program (STATEMAP)

DESCRIPTION OF MAP UNITS Holocene		
	Af	Artifical Fill (Af) Surficial sediment composed of coarse/fine and or crushed rock anthropogenically transported and used for construction purposes.
	На	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	<b>Diamict Colluvium (Hdc)</b> 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.
	Unk	Unknown (Unk) Area within the mapping area where the surficial geologic unit is not known, intentionally left blank.
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.
	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 diamictons (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 former ice margins.
	Pd	<b>Diamicton (Pd)</b> An admixture of unsorted sediment ranging from clay to boulders. Generally matrix supported, massive and clast-rich.

### **QUADRANGLE LOCATION**

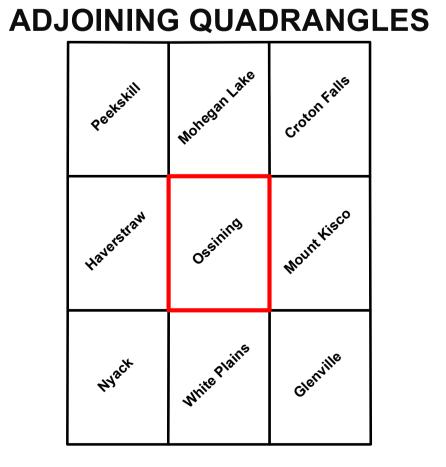
Non-glacially derived, hard rock, pre-pleistocene in age. May be covered up to a meter in diamicton, sand and gravel, or sand and clay in areas marked as Br.

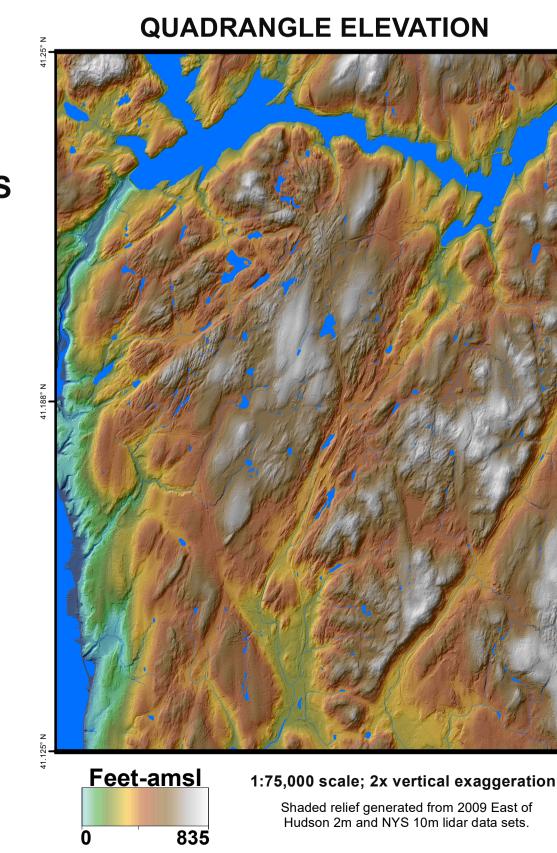




NOTICE

**Pre-Pleistocene** 





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