

# SURFICIAL GEOLOGY OF THE CLINTONDALE 7.5-MINUTE QUADRANGLE, **ULSTER COUNTY, NEW YORK**

G. Gordon Connally 2008

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settings of glacial lakes. May include marl, rythmites, and varves.

prepared byDavid Desimone, Janet Manchesteri and Karl J. Backhaus

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## **DESCRIPTION OF MAP UNITS**

# Holocene Surficial sediment composed of coarse/fine and or crushed rock 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 Pleistocene Well sorted and stratified sand, deposited by fluvial, lacustrine or eolian processes. Inferred as deposits associated with distal glacial Stratified, fine-grained sediment consisting of fine sand, silt and clay size particles. Inferred to be deposited in mid shore to deepwater

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).

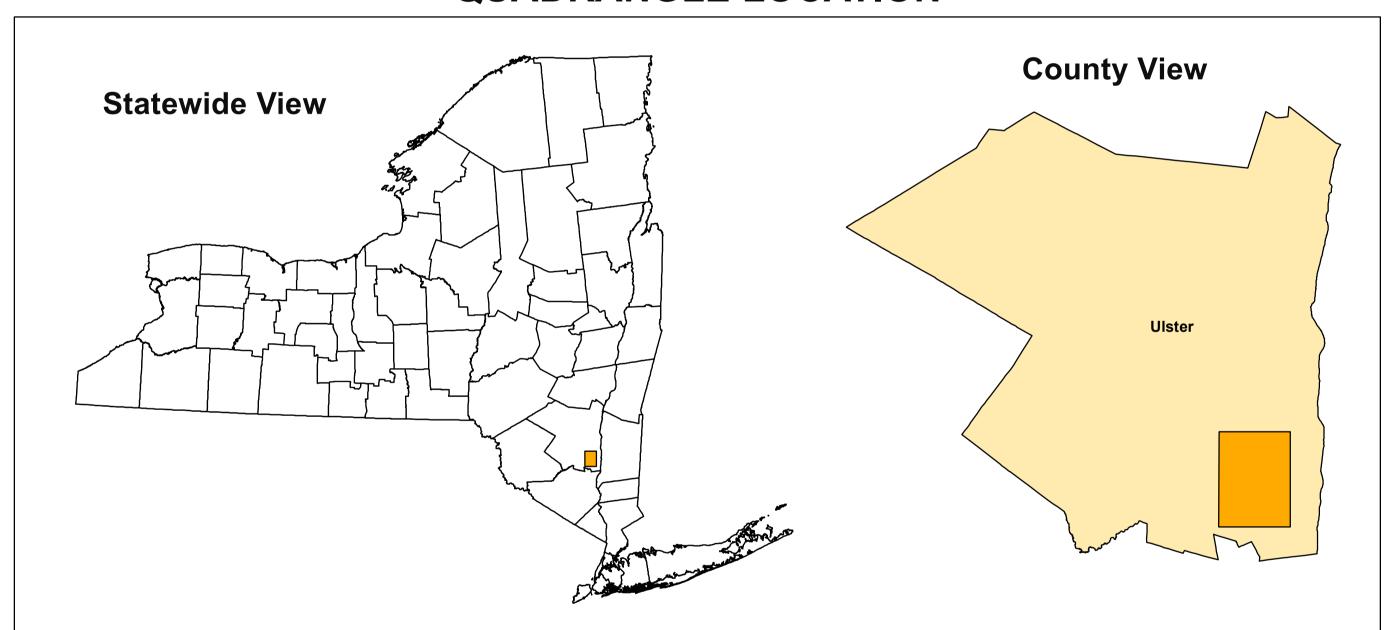
Stratified sand and gravel (Psg) Well-sorted and stratified sand and gravel. May include cobbles and boulders. Inferred to be delta, fan or lag deposits in glacial channels or near former ice margins.

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

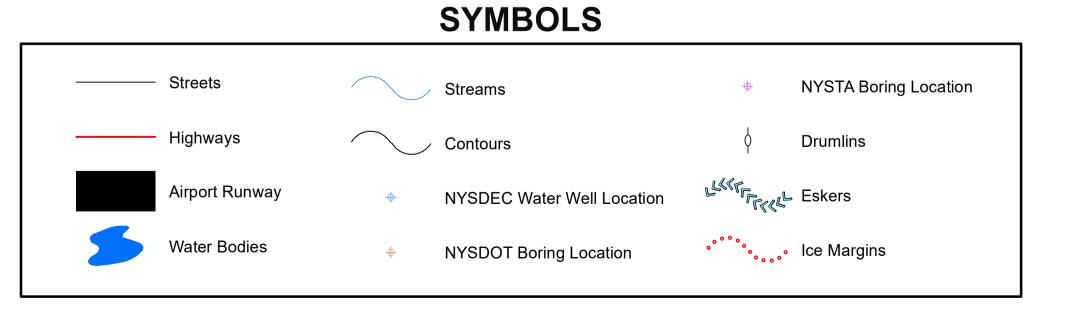
### **Pre-Pleistocene**

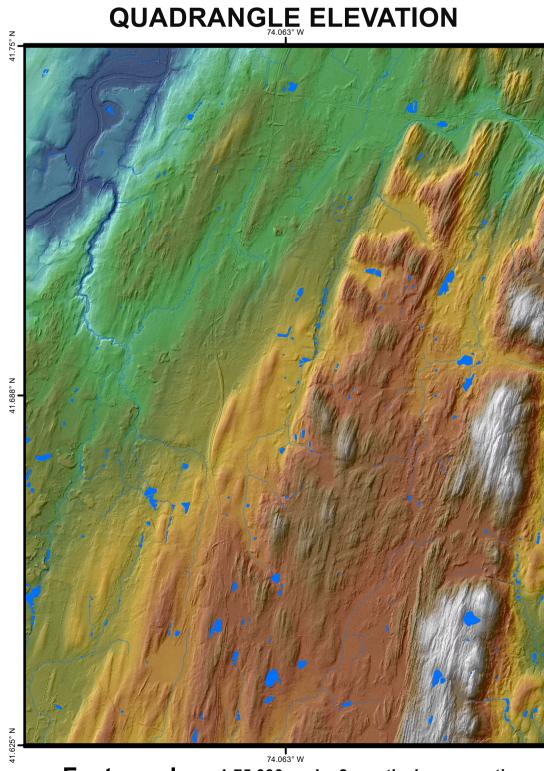
Non-glacially derived, hard rock, pre-pleistocene in age. May be covered up to a meter in diamicton, sand and gravel, or sand and clay in areas marked as Br.

## **QUADRANGLE LOCATION**



#### **ADJOINING QUADRANGLES**





NOTICE

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1:75,000 scale; 2x vertical exaggeration Shaded relief generated from 2007 West Hudson 2m, 2014 3 County 1m and NYS 10m lidar data 150

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