SURFICIAL GEOLOGY OF THE SYRACUSE EAST 7.5-MINUTE QUADRANGLE, ONONDAGA COUNTY, NEW YORK

Donald L. Pair

2011

DESCRIPTION OF MAP UNITS

Holocene

Artificial Fill (Af)
Surface sediment composed of compacted silt or crushed rock anthropogenically transported and used for construction purposes.

Stratified silt, sand, and gravel (Hs)
Sorted and stratified soils, sand, and gravel, deposited by rivers and streams. May include cobbles and boulders. Inferred as post-glacial glacial meltwater and streams.

Wetland Deposit (Hw)
Pleistocene

Soft and stratified silt, sand, and gravel, deposited by fluvial lacustrine or eolian processes. Inferred as deposits associated with glacial environments.

Stratified sand (Ps)
Silt and Clay (Pc)
Stratified, fine-grained sediments consisting of fine sand, silt, and clay-size particles. Inferred to be deposited in still water of deepwater settings of glacial lakes. May include mealy, siltstone, and siltclays.

Colloids (Ps)
Stratified, fine-grained deposits, unsorted, unstratified or stratified sediment consisting of boulders to sand-size particles. Inferred to be deposited along an ice margin. May include pebbles, cobbles, and boulders. Inferred to be also fan or delta deposits in glacial channels or near former ice margins.

Distillation (Pd)
An admixture of unconsolidated sediment ranging from clay to boulders. Generally massive, unconsolidated, and water rich.

Pre-Pleistocene

Bedrock (Bc)
Non-glacially derived, hard rock, pre-Pleistocene in age. May be covered up to a meter in diluvial, sand, and gravel, or sand and clay. In areas mixed as Bc.

SYMBOLS

Streams
Wetlands
Ponds
Rivers
Wetland Channel
Wetland
Base Map from Data Management Division of the New York State Department of Environmental Conservation.

ADJOINING QUADRANGLES

QUADRANGLE LOCATION

QUADRANGLE ELEVATION

SURFACE ELEVATION

Statewide View

County View

Overlays

NYSDEC Water Well Location
NYSDEC Boring Location
NYSDOT Boring Location
Dissolve

NOTICE

All data and representations of groundwater, surface water, geologic, or cultural features are for general reference, and may not be appropriate or accurate for use in construction, surveying, or similar projects. This is not to be used as a legal reference by any jurisdiction. The NYSDEC has no control or responsibility for such uses, nor does it guarantee or warrant the accuracy of such uses. Please consult a professional geologist, water well driller, surveyor, or similar professional for more information on any specific location. To obtain further information about this data contact the New York State Department of Environmental Conservation, Hydrogeologic Information and Aquifer Support Program at 518-402-8306.

SURFACE ELEVATION

Statewide View

County View

Overlays

NYSDEC Water Well Location
NYSDEC Boring Location
NYSDOT Boring Location
Dissolve

NOTICE

All data and representations of groundwater, surface water, geologic, or cultural features are for general reference, and may not be appropriate or accurate for use in construction, surveying, or similar projects. This is not to be used as a legal reference by any jurisdiction. The NYSDEC has no control or responsibility for such uses, nor does it guarantee or warrant the accuracy of such uses. Please consult a professional geologist, water well driller, surveyor, or similar professional for more information on any specific location. To obtain further information about this data contact the New York State Department of Environmental Conservation, Hydrogeologic Information and Aquifer Support Program at 518-402-8306.

SURFICIAL GEOLOGY OF THE SYRACUSE EAST 7.5-MINUTE QUADRANGLE, ONONDAGA COUNTY, NEW YORK

Donald L. Pair

2011

DESCRIPTION OF MAP UNITS

Holocene

Artificial Fill (Af)
Surface sediment composed of compacted silt or crushed rock anthropogenically transported and used for construction purposes.

Stratified silt, sand, and gravel (Hs)
Sorted and stratified soils, sand, and gravel, deposited by rivers and streams. May include cobbles and boulders. Inferred as post-glacial glacial meltwater and streams.

Wetland Deposit (Hw)
Pleistocene

Soft and stratified silt, sand, and gravel, deposited by fluvial lacustrine or eolian processes. Inferred as deposits associated with glacial environments.

Stratified sand (Ps)
Silt and Clay (Pc)
Stratified, fine-grained sediments consisting of fine sand, silt, and clay-size particles. Inferred to be deposited in still water of deepwater settings of glacial lakes. May include mealy, siltstone, and siltclays.

Colloids (Ps)
Stratified, fine-grained deposits, unsorted, unstratified or stratified sediment consisting of boulders to sand-size particles. Inferred to be deposited along an ice margin. May include pebbles, cobbles, and boulders. Inferred to be also fan or delta deposits in glacial channels or near former ice margins.

Distillation (Pd)
An admixture of unconsolidated sediment ranging from clay to boulders. Generally massive, unconsolidated, and water rich.

Pre-Pleistocene

Bedrock (Bc)
Non-glacially derived, hard rock, pre-Pleistocene in age. May be covered up to a meter in diluvial, sand, and gravel, or sand and clay. In areas mixed as Bc.

SYMBOLS

Streams
Wetlands
Ponds
Rivers
Wetland Channel
Wetland
Base Map from Data Management Division of the New York State Department of Environmental Conservation.

ADJOINING QUADRANGLES

QUADRANGLE LOCATION

QUADRANGLE ELEVATION

SURFACE ELEVATION

Statewide View

County View

Overlays

NYSDEC Water Well Location
NYSDEC Boring Location
NYSDOT Boring Location
Dissolve

NOTICE

All data and representations of groundwater, surface water, geologic, or cultural features are for general reference, and may not be appropriate or accurate for use in construction, surveying, or similar projects. This is not to be used as a legal reference by any jurisdiction. The NYSDEC has no control or responsibility for such uses, nor does it guarantee or warrant the accuracy of such uses. Please consult a professional geologist, water well driller, surveyor, or similar professional for more information on any specific location. To obtain further information about this data contact the New York State Department of Environmental Conservation, Hydrogeologic Information and Aquifer Support Program at 518-402-8306.