



L A K E

O N T A R I O

MEAN LAKE ELEVATION 246 FEET

EXPLANATION

Units

Materials

- PM** Peat, marl, muck, and clay; bog deposits of postglacial to modern time. Unsuitable for well construction and commonly contains iron-bearing water.
- TL** Lodgement till; mixture of clay, silt, sand, and boulders deposited at base of glacier; poorly sorted; compact and impermeable. Poor potential for well yields.
- TA** Ablation till; mixture of clay, silt, sand, and boulders deposited from drift laid down after ice melted beneath it; unconsolidated, noncompact and generally has a coarser texture than lodgement till; variable permeability. Poor to moderate potential for well yields.
- SSL** Lake silt and clay; offshore deposits in proglacial or postglacial lakes; thin bedded to massive; low permeability. Poor potential for well yields.
- SSL** Lake silt and fine sand; offshore deposits in proglacial or postglacial lakes, thin bedded to massive low to moderate permeability. Poor to moderate potential for well yields.
- SA** Aeolian sand; wind-deposited sand forming ridges or mounds; fine to medium sand; oxidized and moderately permeable. Usually no potential for well yield because this deposit generally occurs above the water table.
- SCW** Wave delta sand and gravel; sand to cobble gravel deposited by waves dashing over the crest of drumlins and depositing stratified sand and gravel on lee side of drumlin. Moderate to good sorting, unconsolidated and highly permeable. Good potential for well yields, although some deposits may not extend below the water table.
- SCB** Beach sand and gravel; coarse sand and gravel deposited near shore or at shoreline of proglacial or postglacial lakes; well sorted; unconsolidated and highly permeable. Moderate potential for well yields.

Note.—Designation of poor, moderate, or good potential for well yield is based on the yield expected in a typical deposit as described by well information inside and outside the mapped area. Classification of well yield is as follows:

- Poor - Less than 1 gallon per minute
- Moderate - 5 to 50 gallons per minute
- Good - More than 50 gallons per minute

— Contact - Dashed where approximately located

● EL-1 Well in unconsolidated material

SURFICIAL GEOLOGY OF PART OF ELLISBURG QUADRANGLE, OSWEGO COUNTY, NEW YORK

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