



- pm** Peat, marl, muck, and clay; bog deposits of postglacial to recent time. Unsuitable for well construction and commonly contains iron-bearing water.
- lsc** Lake silt and clay; offshore deposits in proglacial or postglacial lakes; thin bedded to massive; low permeability. Poor potential for well yields.
- lss** 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.
- bsg** 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.
- ksq** Kame and kame terrace sand and gravel; coarse sand to cobble gravel distributed on a glacier and later deposited on ground as ice melted; some sorting; unconsolidated except for some secondary calcite cementation; highly permeable. Good potential for well yields.
- at** 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 slightly coarser texture than lodgement till; variable permeability. Poor to moderate potential for well yields.
- lt** Lodgement till; mixture of clay, silt, sand, and boulders deposited at base of glacier; poorly sorted; compact and impermeable. Poor potential for well yields.
- w** Open-water areas.

Note.—Designation of poor, moderate, or good potential for well yields 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

● Ma-2 Well in unconsolidated material

○ Ma-1 Well in bedrock

SURFICIAL GEOLOGY OF MALLORY QUADRANGLE, OSWEGO COUNTY, NEW YORK

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