DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
OSWEGO COUNTY PLANNING BOARD

WATER-RESOURCES INVESTIGATIONS
OPEN-FILE REPORT 80-968

EXPLANATION

a — Alluvial silt, sand, and gravel; stream deposits of postglacial time; unconsolidated and generally permeable. Moderate potential for well yields.

pm — Peat, marl, muck, and clay; bog deposits of postglacial to recent time. Unsuitable for well construction and commonly contains iron-bearing water.

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.

ksg — 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.

r — Bedrock; sedimentary rocks. Low to moderate potential for well yields. The extent of factures and joints is the predominant factor determining potential for well yields.

wsg — 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.

af — Artificial fill.

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

● OW-2 Well in unconsolidated material

○ OW-1 Well in bedrock

Base from U.S. Geological Survey, 1954

Geology by T.S. Miller, 1979

SCALE 1:24 000

1 MILE
7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET

DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS LOW WATER 244 FEET

NEW YORK
QUADRANGLE LOCATION

SURFICIAL GEOLOGY OF OSWEGO WEST QUADRANGLE, OSWEGO COUNTY, NEW YORK

By
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