DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
OSWEGO COUNTY PLANNING BOARD

WATER-RESOURCES INVESTIGATIONS
OPEN-FILE REPORT 80-1115

Base from U.S. Geological Survey, 1959

Geology by T.S. Miller, 1980

SCALE 1:24 000

1 MILE
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

CONTOUR INTERVAL 10 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

UTM GRID AND 1959 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

SURFICIAL GEOLOGY OF PART OF BOYLSTON CENTER QUADRANGLE, OSWEGO COUNTY, NEW YORK

By

Todd S. Miller, U.S. Geological Survey

EXPLANATION

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

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.

osg — Outwash sand and gravel; coarse sand to cobble gravel deposited by streams flowing from former ice sheets; stratified; well sorted; 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.

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

● BC-3 Well in unconsolidated material

○ BC-1 Well in bedrock