

74° 05'

2 30'

74° 00'

57 30'

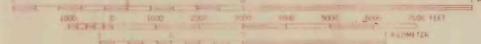
73 55'

WELL YIELD

By

Keith I. Mahon and G. Allan Brown

SCALE 1:24,000



LOCATION MAP

DRAINAGE AREA TO AQUIFER
AQUIFER

ROTTERDAM

GLENVILLE



EXPLANATION
ESTIMATED WATER YIELD FROM A PROPERLY CONSTRUCTED WELL,
in gallons per minute, modified from Winslow and others (1965)

- 1 Less than 5
- 2 5 to 20
- 3 20 to 100
- 4 Greater than 100

- TILL HILL--surrounded by aquifer
- BOUNDARY OF WELL-YIELD UNITS--approximately located
- AQUIFER BOUNDARY--dashed where full extent of aquifer is not shown. Areas not shown are small, not hydrologically significant, and do not have community water system wells
- BOUNDARY BETWEEN MAJOR AND MINOR AQUIFERS--minor aquifers in sand and silt are in upland areas in northeast corner and along southern edge of mapped area, are less permeable than sand and gravel aquifer in Mohawk River Valley
- 01247000 COMMUNITY WATER SYSTEM WELL OR WELL FIELD--numbered by New York State Department of Health

NOTE

The categories for well yield are adapted from Winslow and others (1965, plate 1) who used data principally from public-supply and industrial wells. Well yields are indicators of the maximum long-term yields of individual wells completed in the aquifer. Maximum long-term yields may be larger or smaller than those shown because yields are affected by many hydrologic factors that were beyond the scope of this investigation. High yields generally occur near the Mohawk River where water is recharged from the river under pumping conditions.

REFERENCE CITED

Winslow, J. D., and others, 1965, Ground-water resources of eastern Schenectady County, New York, with emphasis on infiltration from the Mohawk River; New York State Water Resources Commission Bulletin 57, 148 p.

HYDROLOGY FROM J.D. WINSLOW AND OTHERS (1965)

BASE FROM NEW YORK STATE DEPARTMENT OF TRANSPORTATION
PATTERSONVILLE, N.Y., 1974; ROTTERDAM JUNCTION, N.Y.,
1974; SCHENECTADY, N.Y., 1974. 1:24,000

GEOHYDROLOGY OF THE VALLEY-FILL AQUIFER IN THE SCHENECTADY AREA, SCHENECTADY COUNTY, NEW YORK