PREPARED BY ENGINEERING ENTERPRISES, INC., NORMAN, OKLAHOMA. FOR THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY UNDER CONTRACT NO. 68-01-6389

78°17'30" 78°15' 78°12'30" 78°10'

43°02'30"

43°00'

42°57'30"

42°55'

45°52'30"

WATER-INFILTRATION POTENTIAL OF SOIL ZONE

By
David B. Terry and Timothy S. Pagano

EXPLANATION

Map Units	*Classification*	*Infiltration rate, in inches per hour*
1	Very low	less than 0.20
2	Low	0.20 to 0.63
3	Moderate	0.63 to 2.0
4	Moderate to high	greater than 2.0
5	Too variable to estimate	
2/1	Thin (<60 in.) soil with low infiltration potential over bedrock with very low infiltration potential	
3/1	Thin (<60 in.) soil with moderate infiltration potential, over bedrock with very low infiltration potential.	
4/1	Thin (<60 in.) soil with high infiltration potential, over bedrock with very low infiltration potential.	

NOTE

Range of infiltration rates are derived from a soil survey of Genesee County (1969), and are estimates of the rate that water moves in the B horizon of soils (generally 10 - 40 inches below land surface). The estimates are based upon infiltration and permeability tests, soil texture and structure, porosity, and drainage observations.

BOUNDARY OF UNITS OF SOIL INFILTRATION POTENTIAL - approximately located.

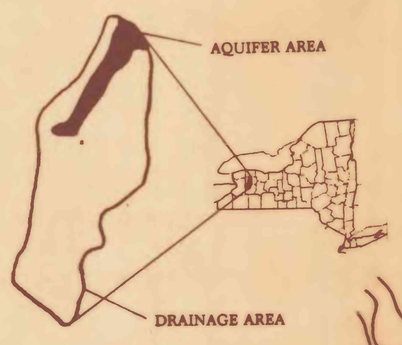
AQUIFER BOUNDARY—dashed where full extent of aquifer is not shown

258-809-2 COMMUNITY WATER-SYSTEM WELL OR INDUSTRIAL WELL - numbers are based upon latitude and longitude, after LaSala (1968)

REFERENCES

LaSala, A. M., 1968, Ground Water Resources of the Erie-Niagara Basin, New York, New York State Conservation Dept. Basin Planning Report ENB-3, 114 p.

Wulforst, J.P., Wertz, W.A., Leonard, R.P., 1969, Soil Survey, Genesee County, New York, U.S. Dept. Agriculture



GEOHYDROLOGY OF THE GLACIAL-OUTWASH AQUIFER IN THE BATAVIA AREA, TONAWANDA CREEK, GENESEE COUNTY, NEW YORK

1984

BASE FROM NEW YORK STATE DEPARTMENT OF TRANSPORTATION PLANIMETRIC MAPS, BATAVIA SOUTH, N.Y. 1977, BATAVIA NORTH, N.Y. 1977, ALEXANDER, N.Y. 1977, ATTICA, N.Y. 1977, DALE, N.Y. 1977, 1:24,000