

# WATER-INFILTRATION POTENTIAL OF SOIL ZONE

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## 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	
3/1	Thin (60 in. or less) soil with moderate infiltration potential, over bedrock with very low infiltration potential	

NOTE  
Range of infiltration rates are derived from a soil survey of Onondaga County (1977) 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 on infiltration and permeability tests, soil texture and structure, porosity, and drainage observations.

BOUNDARY OF UNITS OF SOIL PERMEABILITY - approximately located  
AQUIFER BOUNDARY - dashed where full extent of aquifer is not shown

310-624-3  
COMMUNITY WATER-SYSTEM WELL OR INDUSTRIAL WELL - numbers are based upon latitude and longitude, after Kantrowitz (1970)

## REFERENCES

- Hutton, F.Z., Jr., and Rice, C.E.: 1977, Soil Survey of Onondaga County, New York, U.S. Dept. of Agriculture, 235 p.  
Kantrowitz, I.H.: 1970, Ground-water resources of the eastern Onondaga River basin, New York, New York State Water Resources Commission Basin Planning Report ORB-2, 129 p.  
New York State Department of Health, 1982, New York State Atlas of Community Water System Sources: Bureau of Public Water Supply Protection, 79p.

