

## SOIL PERMEABILITY

By  
**William G. Stelz**

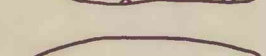
### EXPLANATION

#### WATER-TRANSMITTING POTENTIAL OF SOIL ZONE

Classification	Infiltration rate in inches per hour
1 Very low to low	0.2 to 0.6
2 Low to moderate	0.6 to 2.0
3 Moderate to high	2.0 to 6.0



TILL HILL--surrounded by aquifer



BOUNDARY OF SOIL PERMEABILITY UNITS



AQUIFER BOUNDARY--delineates aquifer material in study area; dashed where approximately located



DRAINAGE DIVIDE--approximates the ground-water divide



COMMUNITY WATER SYSTEM WELL OR WELL FIELD--numbered by New York State Department of Health

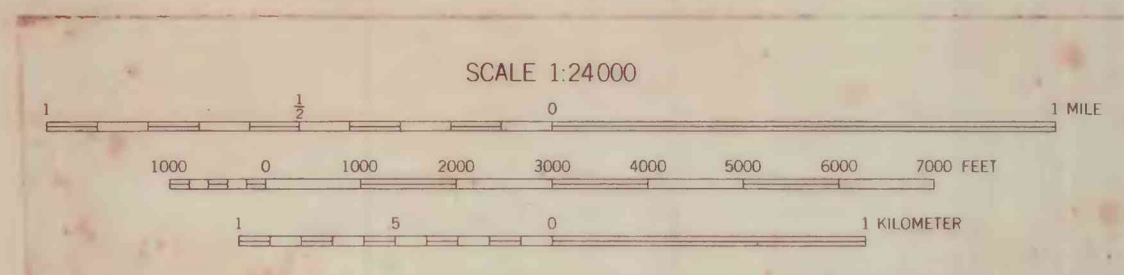
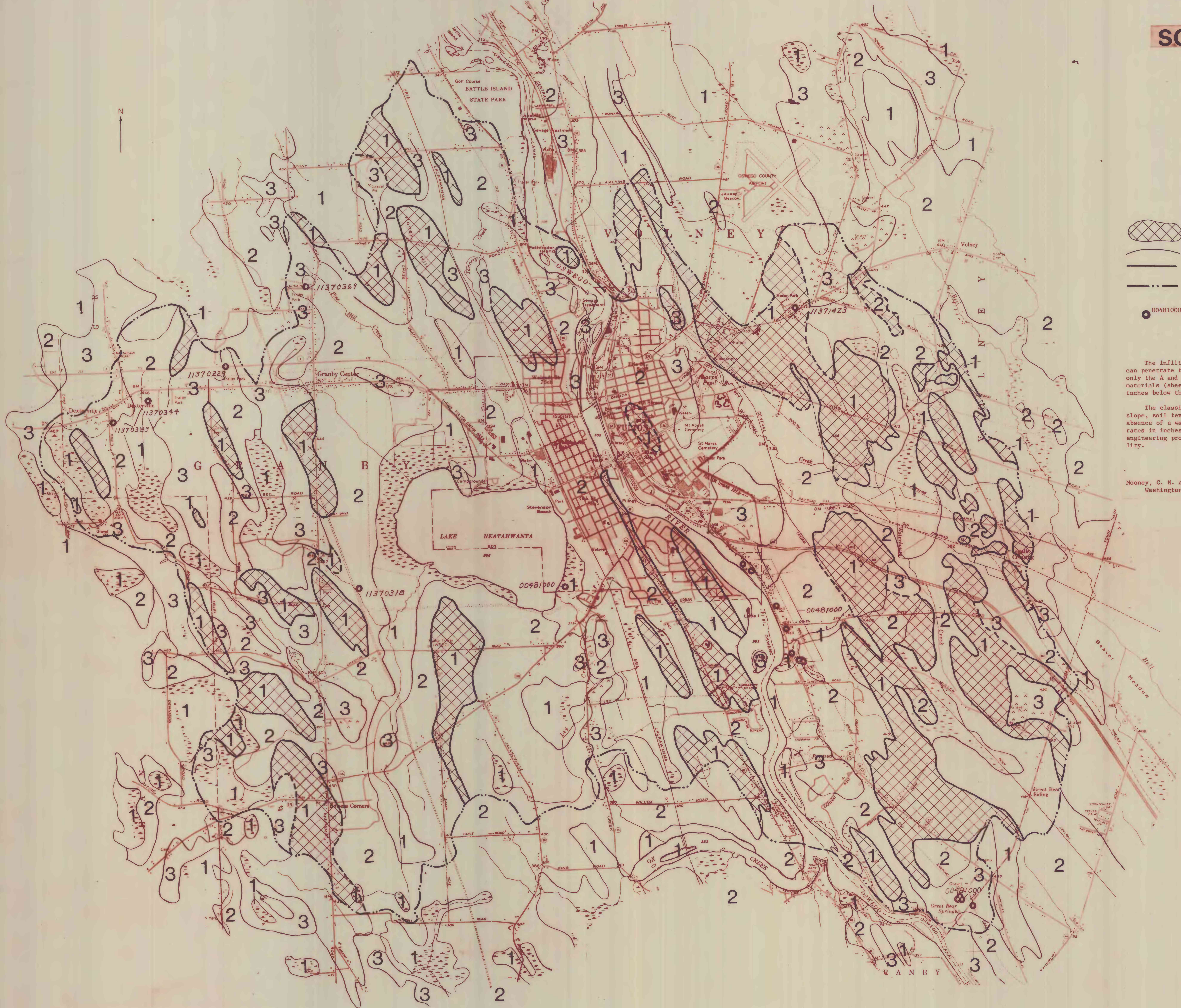
### NOTE

The infiltration rate is a general estimate of how readily water can penetrate the soil zone. The soil zone is herein considered to be only the A and B horizons which overlie unweathered surficial geologic materials (sheet 1). The soil zone generally extends from 18 to 30 inches below the surface.

The classification is based on the following factors: drainage, slope, soil texture, depth to seasonal high-water table, presence or absence of a water-impeding layer (fragipan), average soil infiltration rates in inches per hour, septic-tank soil-percolation tests, and some engineering properties such as linear shrinkage and soil compressibility.

### REFERENCE CITED

Mooney, C. N. and others, 1919, Soil survey of Oswego County, New York: Washington, U.S. Department of Agriculture, Bureau of Soils, 43 p.



LOCATION OF AREA

