

# WATER-INFILTRATION POTENTIAL OF SOIL ZONE

By  
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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.	
2/1	Thin (60 in. or less) soil with low infiltration potential over bedrock with very low infiltration potential.	

## NOTE

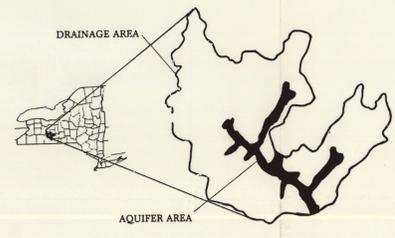
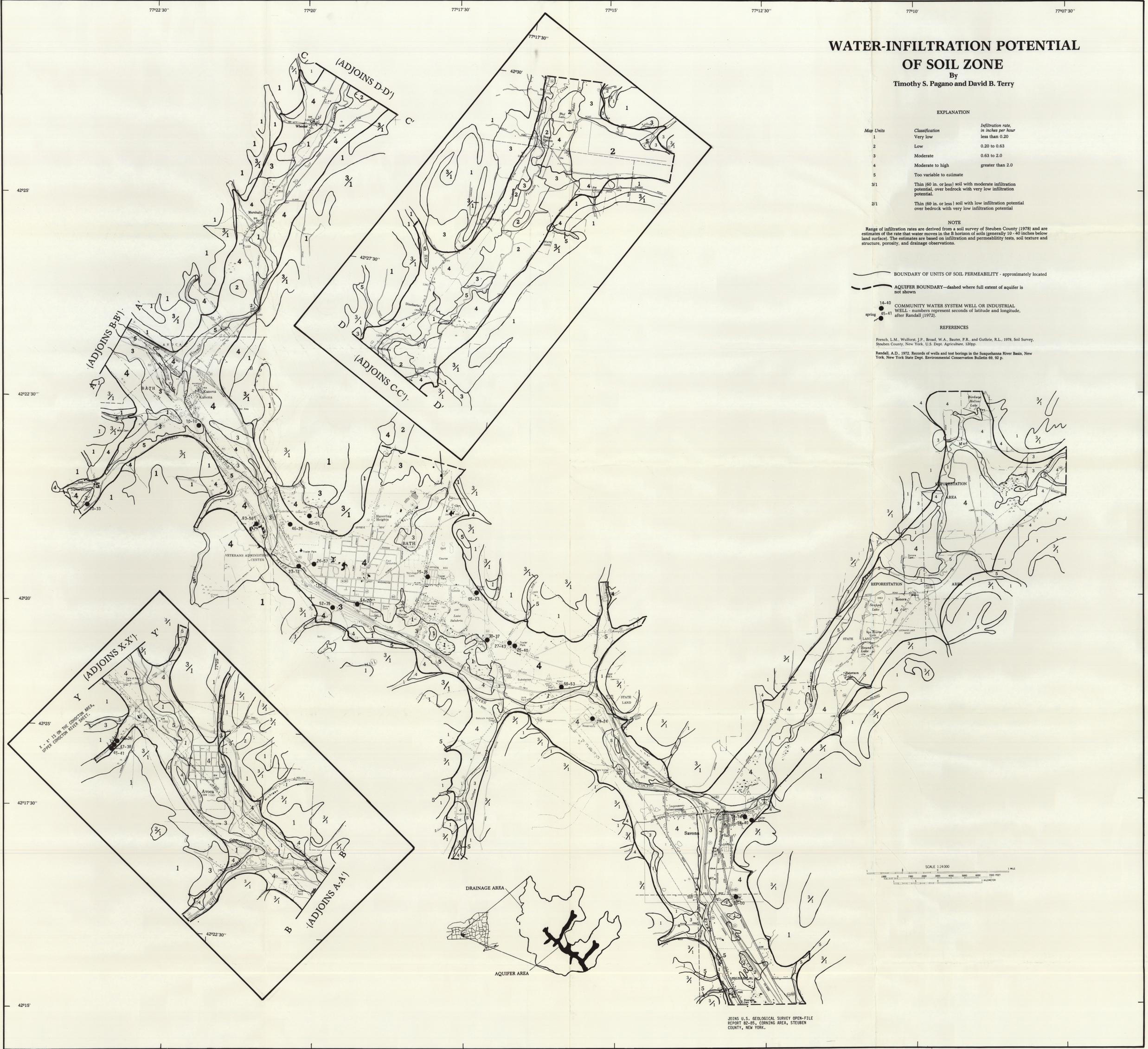
Range of infiltration rates are derived from a soil survey of Steuben County (1978) and are estimates of the rate that water moves in the B horizon of soils (generally 10 - 40 inches below land surface). The estimates are based on infiltration and permeability tests, soil texture and structure, porosity, and drainage observations.

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

● 14-40 COMMUNITY WATER SYSTEM WELL OR INDUSTRIAL WELL - numbers represent seconds of latitude and longitude, after Randall (1972).

## REFERENCES

French, L.M., Wulforst, J.P., Broad, W.A., Bauser, P.R., and Guthrie, R.L., 1978. Soil Survey, Steuben County, New York. U.S. Dept. Agriculture, 120pp.  
 Randall, A.D., 1972. Records of wells and test borings in the Susquehanna River Basin, New York, New York State Dept. Environmental Conservation Bulletin 69, 92 p.



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