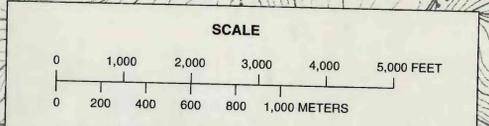


EXPLANATION

- GROUND-WATER CONTRIBUTING AREAS
 - Area contributing recharge to City of Cortland municipal well no. 3
 - Area contributing recharge to Town of Cortlandville municipal well, Lime Hollow Road
 - Area contributing recharge to Town of Cortlandville municipal well, Terrace Road
 - Area contributing recharge to industrial recovery well
- BOUNDARY OF STUDY AREA -- Contact between saturated sand and gravel and till, bedrock, or unsaturated sand and gravel, dashed where arbitrary boundary was used
- POTENTIOMETRIC CONTOUR -- Shows altitude at which water level would have stood in unconfined outwash aquifer, May 28 - 29, 1991; dashed where approximate. Contour interval 5 feet unless otherwise noted. Datum is sea level
- GROUND-WATER DIVIDE -- coincides closely with surface-water divide between south-draining Susquehanna River and north-draining St. Lawrence River watersheds
- DATA POINT -- Location of well where water-level measurement was made during May 28 - June 4, 1991. Number is the water-level altitude in feet above sea level
- MUNICIPAL WELL
- INDUSTRIAL WELL
- STREAMFLOW-MEASURING SITE -- Number is stream discharge, in cubic feet per second
- GENERAL DIRECTION OF GROUND-WATER FLOW



ALTITUDE OF POTENTIOMETRIC SURFACE, DIRECTION OF GROUND-WATER FLOW, AND CONTRIBUTING AREAS TO PUBLIC-WATER SUPPLY WELLS DURING AVERAGE-RECHARGE CONDITIONS IN THE UNCONFINED GLACIAL AQUIFER, CORTLAND COUNTY, NEW YORK

By Todd S. Miller

Miller, T.S., Sherwood, D.A., Jeffers, Peter, and Nancy Mueller, 1995, Hydrogeology, water quality, and simulation of ground-water flow in a glacial-aquifer system in Cortland County, New York; U.S. Geological Survey Water-Resources Investigations Report 96-4255.

Base from U.S. Geological Survey G-2000, 1:24,000, 1970 and New York State Department of Transportation Cortland, 1:24,000, 1974