



**Map 2**—This map provides the location of major drainage basin divides in Genesee County (Oatka, Black, Tonawanda, and Oak Orchard Creek drainage basins) and the location of all wells used in the carbonate-rock aquifer study and wells located north or south of the study area. The locations of wells within the study area were verified using office methods, or by field verification; however, the locations of wells outside the study area were not verified. Therefore, bedrock-surface contours represent a generalized surface, especially outside the study area. Anthropogenic features (quarries and mines) are also shown on this map. The location of agricultural land uses (cropland, hay and pasture, in light brown shading) and the “shallow-to-bedrock” soils are shown using a hachured pattern. These “shallow-to-bedrock” soils have an infiltration rate of 1.42 to 5.67 inch per hour (in/hr), and bedrock with associated solution-widened fractures or karst features may be present at or just below the land surface. Four additional “shallow-to-bedrock” soils (Aurora, Benson, Wassaic, and Rubbleland) that have lower infiltration rates but have been associated with manure application and groundwater contamination in Genesee County also are shown.

Base from NYSDOT Mapping and GIS Section, 1998  
accessed in 2009 at <http://www.nysgis.state.ny.us/gisdata/>  
Land use from National Land Cover Data 2001,  
Resolution 1 arc-second (approx. 30m)  
Soils from United States Department of Agriculture,  
Soil Survey Geographic (SSURGO) Database  
accessed in 2009 at <http://soildatamart.nrcs.usda.gov>  
State Plane Coordinate System, Zone 3103,  
North American Datum 1983

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