



EXPLANATION

WATER - BEARING PROPERTIES

-  SAND AND GRAVEL
Most favorable area for ground-water production. Wells yield as much as 1,016 gallons per minute (gpm) and average 287 gpm. Water generally of good quality but hard.
-  DOLOMITE
Most favorable area for ground-water production from bedrock. Wells yield as much as 500 gpm and average 108 gpm. Water generally hard. Large solution cavities present.
-  SHALE
Moderate ground-water production. Wells yield as much as 125 gpm and average 52 gpm. Softest ground-water and lowest range in chemical constituents in area.
-  SHALE
Moderate to low ground-water production from bedrock. Wells yield as much as 40 gpm and average 17 gpm. Water hard and highly mineralized, commonly high in iron and sulfate. Overlying sand and gravel in Fairport-Lyons channel east of buried valley yields as much as 260 gpm of hard but otherwise acceptable water.
-  SANDSTONE, SHALE AND LIMESTONE
Lowest average yields for bedrock wells in area; average 10 gpm and range from 0 to 30 gpm. Water generally hard and relatively high in nitrate.

Geology modified from geologic map and cross section by Monroe County Division of Regional Planning.

MAP OF ROCHESTER AREA SHOWING GEOLOGIC FORMATIONS AND THEIR WATER-BEARING PROPERTIES