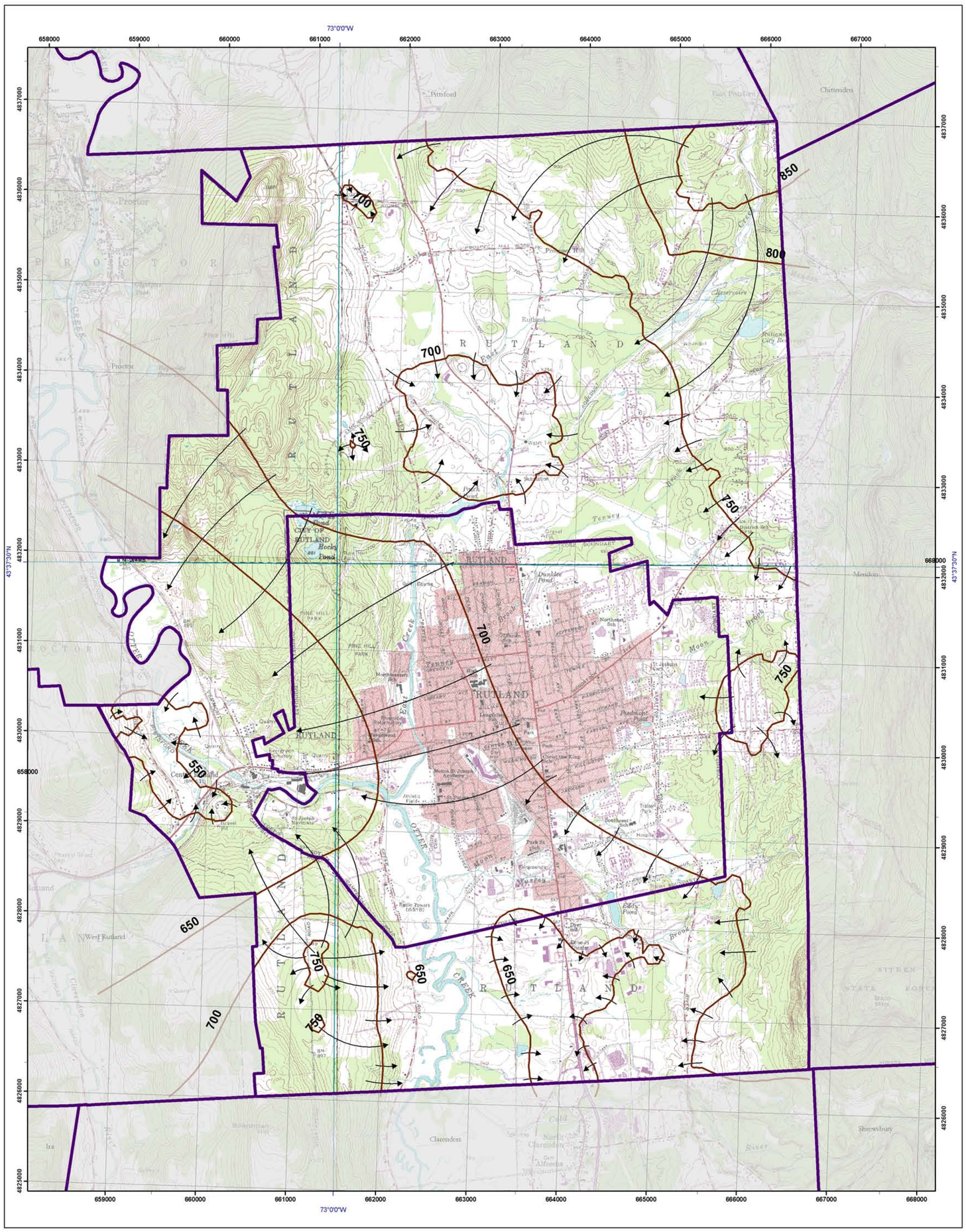
Vermont Geological Survey Open File Report VG09-7



Legend

- Generalized Direction of Groundwater Flow
- Potentiometric Contours (50')

Explanation

This map depicts 50 foot contours extracted from the underlying potentiometric surface. Both of these data layers rely on the static level of water within wells drilled throughout Rutland Town. The contours are widely spaced and some level of uncertainty exists in the inferred flow direction in some areas of the map. However, the general trend of flowing east to west and northeast to southwest is readily apparent.

Groundwater flow lines are indicators of potential flow down hydraulic gradient within an aquifer. Therefore, it is important to note that water levels do not represent the actual height of the water table.

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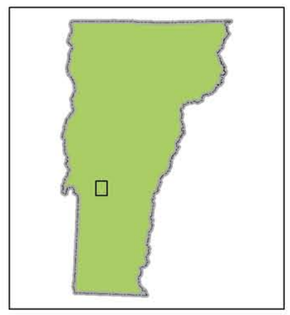

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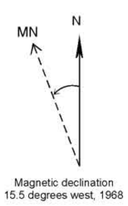
The 20ft contours (Statewide extent) were generated using the VT's "Hydrologically Corrected" Digital Elevation Model (VTHYDRODEM) available through vcgi.org. The Hydro digital elevation model was processed using Spatial Analyst's focal statistics tool to smooth the dataset. Coordinate System: Vermont State Plane, meters, NAD 83. Grid overlay on map is Universal Transverse Mercator, Zone 18N, NAD 27. Digital Cartography by John Van Hoesen and Marjorie Gale Date: January 2010

SCALE 1:24,000

0 0.5 1 2 Miles

0 0.5 1 2 Kilometers

Contour Interval 20 Feet



Magnetic declination
15.5 degrees west, 1968

OPEN FILE REPORT VG09-7-
POTENTIOMETRIC SURFACE AND FLOW LINES, RUTLAND, VERMONT

by
John Van Hoesen
2009

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