

Legend

- Bedrock Well (n = 483)
- ★ Gravel Well (n = 69)
- Faults
- I - Champlain Valley Sequence: n=343; include exposures of carbonates, quartzite, and conglomerates within the Shelburne, Danby, Winooski, Monkton, Dunham, and Dalton Fms.
mean yield = 22gpm, mean depth = 303'
median yield = 10gpm, median depth = 265'
- Ib - Champlain Valley Sequence: (n=21): exposures of slate and phyllite within the Hortonville Formation.
mean yield = 14gpm, mean depth = 338'
median yield = 5gpm, median depth = 303'
- Ic - Champlain Valley Sequence: (n=113): exposures of Cheshire Quartzite
mean yield = 15gpm, mean depth = 231'
median yield = 10gpm, median depth = 222'
- II- Green Mountain Sequence: (n=6): biotite gneiss of the Mt Holly Complex
mean yield = 29gpm, mean depth = 367'
median yield = 17gpm, median depth = 370'
- Water
- Roads
- Buildings
- USGS 7.5 minute Quadrangle Boundary
- Town Boundary

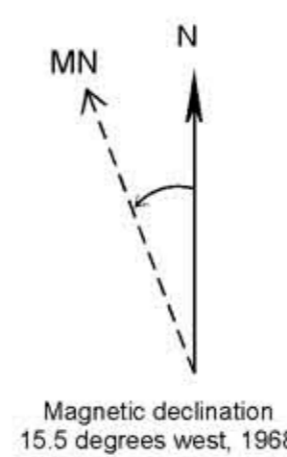
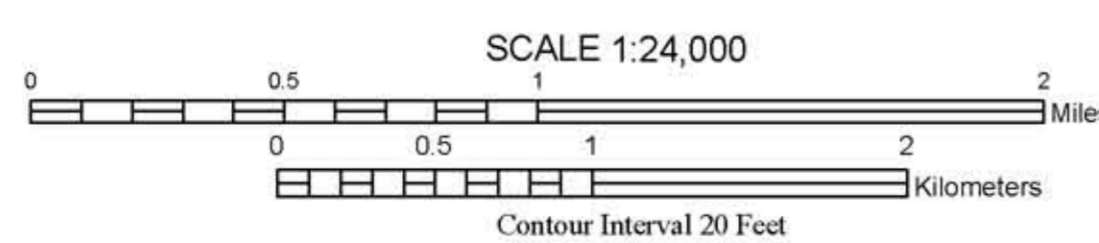
This map depicts the spatial distribution of distinguishable lithologic units within the town boundary. Units were extracted from data digitized by Nicholson et al. (2006) based on the 1961 Centennial Geologic Map.

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The 20ft contours (Statewide extent) were generated using the VT's "Hydrologically Corrected" Digital Elevation Model (VTHYDRODEM) available through vegi.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



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 HYDROGEOLOGIC UNITS, RUTLAND, VERMONT**

by
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