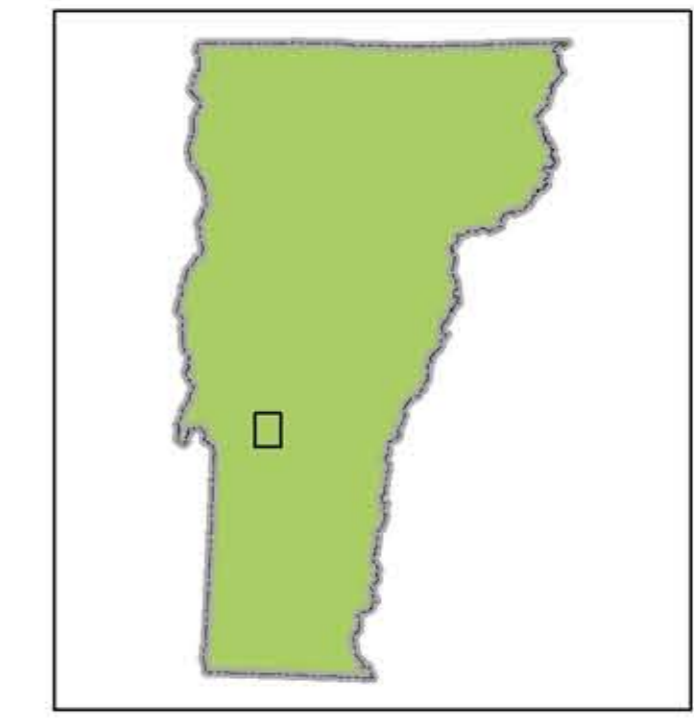


**Legend**

- Well Locations
- Yellow box: A: potential locations of shallow overburden aquifers.
- Brown box: B: areas covered by >60 feet of permeable overburden that have the potential to contain a high yielding well.
- Green box: D: represents potential locations where the water table intersects the surface. Typically wetlands, ponds, and streams.
- Blue line: Water
- Grey line: Roads
- Black dot: Buildings
- Light blue box: USGS 7.5 minute Quadrangle Boundary
- Purple box: Town Boundary

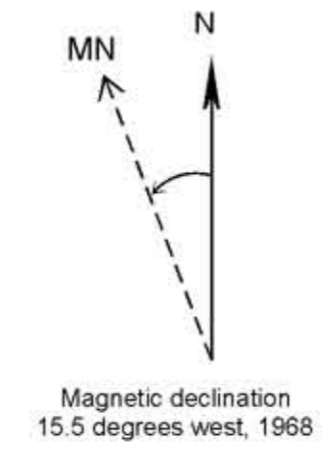
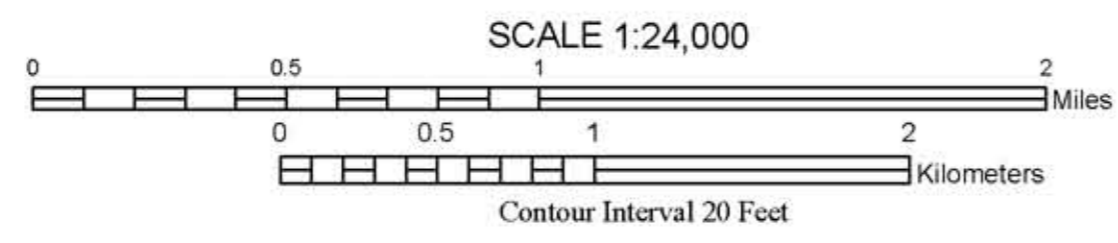
This map was created using water well data, surficial geology, and the isopach map. The map depicts areas with the potential to support shallow aquifers. However, the efficacy of recharge through surface runoff and infiltration is dependent on many variables. There are likely stream reaches that provide additional recharge capacity, but identifying gaining and losing reaches was beyond the scope of this study.

Research supported by the Vermont Geological Survey, Dept. of Environmental Conservation, VT ANR. This geologic map was funded in part by the USGS National Cooperative Mapping Program. The views and conclusions contained in this document are those of the authors and should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. Government.



Published by:  
 Vermont Geological Survey  
 Laurence Becker, State Geologist  
 Department of Environmental Conservation  
 Agency of Natural Resources  
 103 South Main St., Logue Cottage  
 Waterbury, VT 05671-2420  
<http://www.anr.state.vt.us/dec/geo/vgs.htm>

The 20ft contours (Statewide extent) were generated using the VT's "Hydrologically Corrected" Digital Elevation Model (VTHYDRODEM) available through [vsgi.org](http://vsgi.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



**OPEN FILE REPORT VG09-7-  
 DISCHARGE AREAS AND POTENTIAL SHALLOW AQUIFERS,  
 RUTLAND, VERMONT**

by  
 John Van Hoesen  
 2009

