




**Legend**

-  Depth to bedrock contour; Contour interval is 20 feet
-  Water wells: data point for depth to bedrock
-  Bedrock exposed at surface

- Surficial Materials**  
**Holocene Deposits**
-  Hf Artificial fill
  -  Hal Alluvium
  -  Hw Wetland deposit- sand and silt
  -  Hwp Wetland deposit - peat and muck
  -  Haf Alluvial fan
  -  Htal Talus
  -  Hst Stream terrace deposits
- Pleistocene Deposits**
-  Plb Lake Vermont and Champlain Sea marine bottom deposits
  -  Plc Lake Vermont deposits
  -  Pic Ice contact deposits
  -  Pt Till
  -  Town Boundary
  -  Water

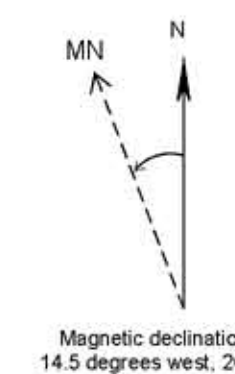
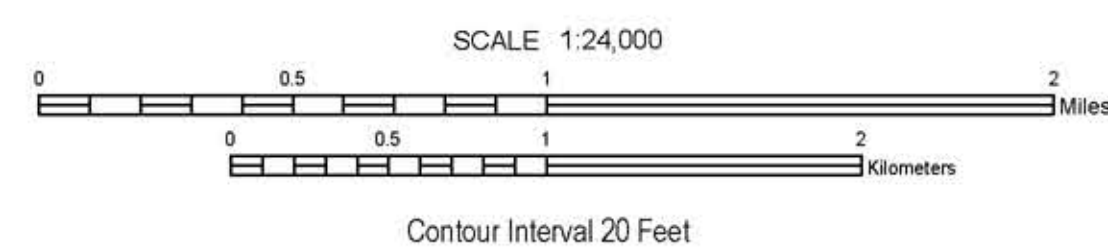


LOCATION MAP

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>

Base maps from U.S. Geological Survey.  
 Coordinate System: Vermont State Plane, meters, NAD 83.  
 Grid overlay on map is Universal Transverse Mercator,  
 Zone 18N, NAD 83.  
 The 20ft contours (Statewide extent) were generated  
 using the VT "Hydrologically Corrected" Digital Elevation  
 Model (VT-HYDR2DEM) available through vgsi.org.  
 The hydro digital elevation model was processed using  
 Spatial Analyst's focal statistics tool to smooth the dataset.  
 Digital Cartography by George Springston and Marjorie Gale,  
 May 2010.

Research supported by the Vermont Geological  
 Survey, Dept. of Environmental Conservation, VT ANR.  
 This map was funded in part by the Town of Charlotte.  
 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.  
 The authors wish to thank the residents of Charlotte  
 for their assistance on this project and allowing access  
 to their properties.



**OPEN FILE REPORT VG10-1  
 DEPTH TO BEDROCK, CHARLOTTE, VERMONT**

by  
 George Springston, Marjorie Gale, Jonathan Kim, Stephen Wright, Hal Earle, Arthur Clark and Taylor Smith  
 2010

