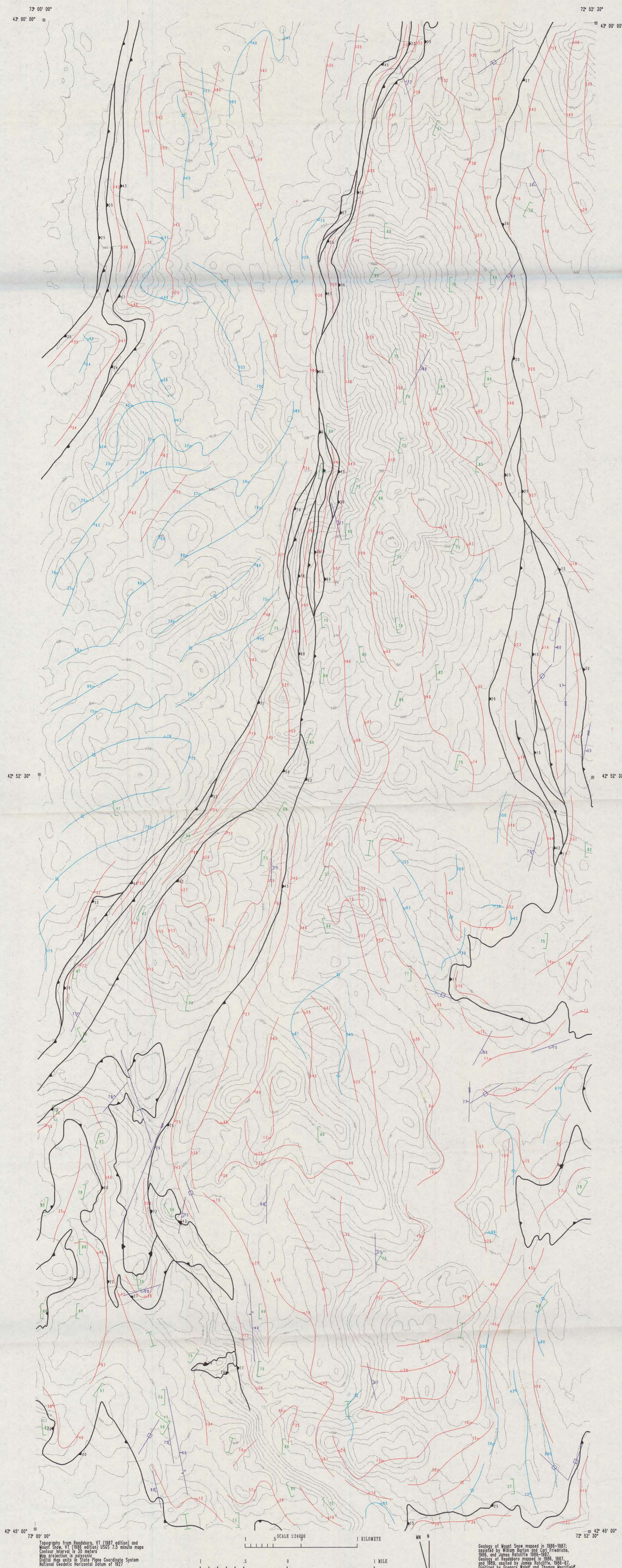


All data compiled from:

Ratliffe, N.M., 1993, Bedrock geologic map of the Mount Snow and Readsboro quadrangles, Bennington and Windham counties, Vermont: U.S. Geological Survey Miscellaneous Investigations Series Map I-2307.



Explanation of Map Symbols

- Schistosity**
 - Strike and dip of inclined schistosity on interpretive form-lines
 - Strike and dip of vertical schistosity on interpretive form-lines
- Gneissosity**
 - Strike and dip of inclined gneissosity on interpretive form-lines
 - Strike and dip of vertical gneissosity on interpretive form-lines
- Veins and brittle faults**
 - Relative lateral displacement of brittle fault
 - Relative vertical displacement of brittle fault, U = up and D = down
 - Strike and dip of inclined brittle fault
 - Strike and dip of vertical brittle fault
 - Strike and dip of inclined quartz vein
 - Strike and dip of vertical quartz vein
- Cleavage**
 - Strike and dip of inclined cleavage
 - Strike and dip of vertical cleavage
- Thrust Faults**
 - Strike and dip of thrust fault
 - Strike and dip of overturned thrust fault -- teeth show dip, bar on upper plate

Plates 1 and 2 are a paper representation of the digital bedrock geologic information for the Mount Snow and Readsboro 15-minute quadrangles located in Bennington and Windham counties, Vermont. All of the bedrock geology data were obtained from Ratcliffe (1993) and were digitally compiled on a personal computer using Arc/INFO version 4.0 of Map by Environmental Systems Research Institute, Inc. The data shown on Plate 1 were exported to Arc/INFO version 4.0 where solid color fill patterns were generated, and faults were drawn using symbols from a library (shw6610) from ALACRTE software (Fitzgibbon and Westworth, 1991). The compilation procedures discussed in Walsh and others (1984) were used in the preparation of this report, with the exception of the topographic base. The topography was obtained from photostereographic pairs of contour lines from the Mount Snow (1988 edition) and Readsboro (1987 edition) of the U.S.G.S. 7.5-minute topographic quadrangles. The negative images were scanned on an OCAI, F55 8000 raster-format scanner where the 30 meter index contours were selected and the intermediate contours removed. The raster images were vectorized using ARC/INFO version 4.0 by G.I.T. Corporation, Inc. and covered into coverage in ARC/INFO version 4.0.

1. Ratcliffe, N.M., 1993, Bedrock geologic map of the Mount Snow and Readsboro quadrangles, Bennington and Windham counties, Vermont: U.S. Geological Survey Miscellaneous Investigation Series Map I-2307, scale 1:24,000.
2. Walsh, C.J., Ratcliffe, N.M., Dudley, R.B., and Merrifield, T., 1994, Digital bedrock geologic map of the Mount Snow and Readsboro quadrangles, Vermont: U.S. Geological Survey Open-File Report 94-228, scale 1:24,000.
3. Fitzgibbon, T.T., and Westworth, C.M., 1991, ALACRTE user interface: AMI code and demonstration maps, Version 1.0: U.S. Geological Survey Open-File Report 91-367.

Topography from Readsboro, VT (1987 edition) and Mount Snow, VT (1988 edition) USGS 7.5-minute maps. Contour interval is 30 meters. Map projection is polyconic. Digital map units in State Plane Coordinate System. National Geodetic Horizontal Datum of 1927.

Geology of Mount Snow mapped in 1988-1987; compiled by William Burton and Carl Friedrichs, 1988, and James Ratcliffe 1988-1993. Geology of Readsboro mapped in 1986, 1987, and 1989, compiled by James Ratcliffe, 1988-87. Digitized by Gregory Walsh and Thomas Merrifield.

Digital Bedrock Geologic Map of the Mount Snow and Readsboro Quadrangles, Vermont

By
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1994

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The database is available from the Vermont Geological Survey, Office of Information Management Services, Waterbury, VT 05671, telephone (802) 241-3488.