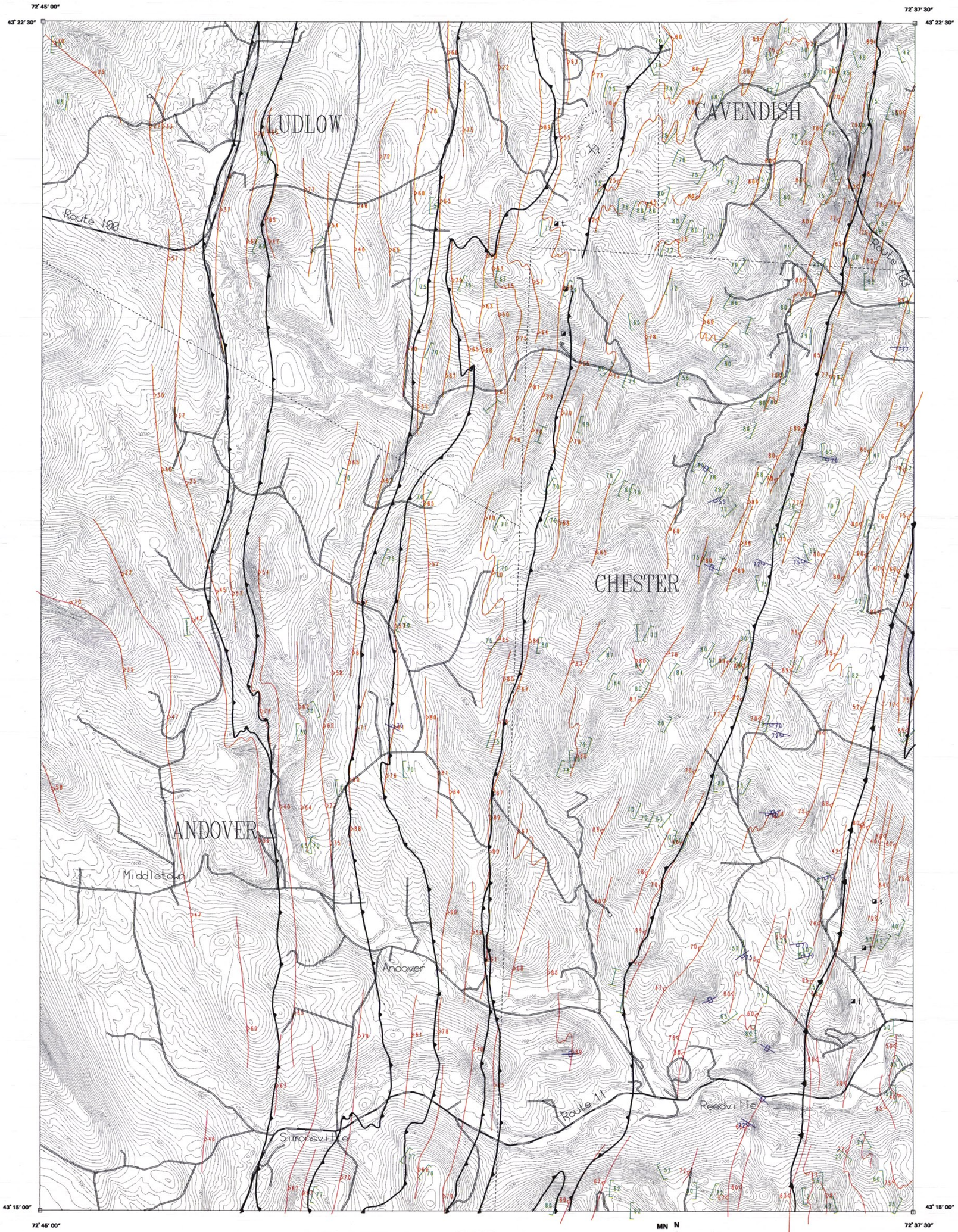
U.S. Department of the Interior
U.S. Geological Survey

Prepared in cooperation with the
STATE OF VERMONT, GEOLOGICAL SURVEY

OPEN-FILE REPORT 96-31-A
STRUCTURE MAP
PLATE 2 of 2



Explanation of Map Symbols

Foliation (Schistosity)
- Strike and dip of inclined foliation on interpretive form-lines
- Strike and dip of vertical foliation on interpretive form-lines

Brittle Features
- Strike and dip of inclined joint
- Strike and dip of vertical joint

Cleavage
- Strike and dip of inclined cleavage
- Strike and dip of vertical cleavage

Thrust Faults
- Thrust fault, teeth on upper plate
- Overturned thrust fault, teeth show dip, bar on upper plate

Quarries and Mines
- t — Talc
- Active quarry
- Inactive mine
- Limit of large quarry or strip mine

Plates 1 and 2 are a paper representation of the digital bedrock geologic information for the Andover Quadrangle located in Windsor county, Vermont. All of the bedrock geology data were obtained from Ratcliffe (1996), and were digitally compiled on a personal computer system using PC ARC/INFO version 3.4D Plus by Environmental Systems Research Institute, Inc.. The data shown on Plate 1 were exported to ARC/INFO version 7.0 where solid color fill patterns were generated, and faults were drawn using symbols from a lineset (alcwrg.lin) from ALACARTE software (Fitzgibbon and Wentworth, 1991). The compilation procedures discussed in Walsh and others (1994) were used in the preparation of this report, with the exception of the topography. The topography was obtained from a photographic negative separate of contour lines from the Andover, VT (1971 edition) U.S.G.S. 7.5-minute topographic quadrangle. The negative was scanned on an IDEAL FSS 8000 raster-format scanner. The raster image was vectorized using GTX OSR Contour version 2.00 by GTX Corporation, Inc., and converted into an unattributed line coverage in ARC/INFO version 7.0.

These plates are derivative products and should not serve as the primary source for the complete geologic information for this area; the correct reference should be number 2 below:

1. Fitzgibbon, T.T., and Wentworth, C.M., 1991, ALACARTE user interface: AML code and demonstration maps, Version 1.0: U.S. Geological Survey Open-File Report 91-587.

2. Ratcliffe, N.M., 1996, Bedrock geologic map of the Andover Quadrangle, Windsor county, Vermont: U.S. Geological Survey Open-File Report 96-32, scale 1:24000.

3. Walsh, G.J., Ratcliffe, N.M., Dudley, J.B., and Merrifield, T., 1994, Digital bedrock geologic map of the Mount Holly and Ludlow quadrangles, Vermont: U.S. Geological Survey Open-File Report 94-229, scale 1:24000.

Topography from the Andover, VT quadrangle (1971 edition)
Contour Interval 20 feet
Map projection is polyconic
Digital map units in State Plane Coordinate System
National Geodetic Horizontal Datum of 1927
Roads and town boundaries from the Vermont Center for Geographic Information, Inc.

SCALE 1:24000

1 0 1 MILE
1 0 1 KILOMETER
0 1 2 3 THOUSAND FEET

MN N

Approximate Mean Declination
14°30' West, 1971

Geology mapped by Ratcliffe in 1992-1995.
Digitized by Laura Cadmus[2] and Gregory Walsh[1].

LOCATION OF MAP

Digital Bedrock Geologic Map of the Andover Quadrangle, Vermont

by

N.M. Ratcliffe[1]

1996

AFFILIATIONS:
[1]U.S. Geological Survey
Reston, Virginia 20192
[2]Vermont Agency of Natural Resources,
Vermont Geological Survey,
Waterbury, Vermont 05671

Plates 1 and 2 are part A and the database is part B of this Open-File Report. Both parts are available from the Vermont Geological Survey, telephone (802) 241-3488.