

## Legend

### Description of Map Units

#### Sweetsburg Formation

Cs - Black graphitic schist

#### Fairfield Pond Formation

CZfp - Metasiltstone, grit, slate

CZfb - Breccia

CZfpp - Grey phyllite

#### Dolostone

d - Dolostone

#### Pinnacle Formation

CZp - Massive greywacke

CZpb - Breccia

CZpg - Greenstone

CZpp - Grey phyllite

CZpvb - Volcanic breccia

#### Tibbit Hill Volcanics

CZth - Undifferentiated metavolcanic rocks

CZth1 - Amphibolitic greenstone

CZth2 and CZthc - Calcareous greenstone

CZth3 - Feldspathic greenstone

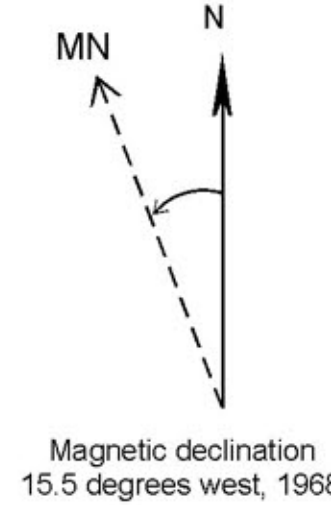
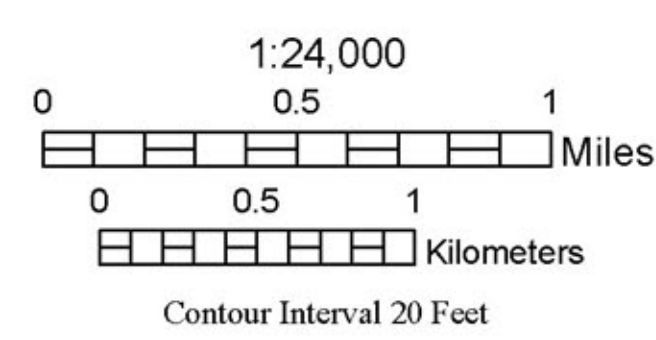
Area not mapped

Outcrop Locations

Thrust Fault

USGS Quadrangle Boundary

Base map from U.S. Geological Survey.  
 Quadrangle names printed in blue.  
 Coordinate System: Vermont State Plane, meters, NAD 83.  
 Geographic coordinates shown at topo corners are in NAD 83.  
 Grid overlay on map is Universal Transverse Mercator,  
 Zone 18N, NAD 27.  
 Digitized by Thomas Merrifield and David Dreher, 1995  
 Digital Cartography by Marjorie Gale  
 Date: September 17, 2007



## BEDROCK GEOLOGIC MAP OF THE GILSON MOUNTAIN 7.5 MINUTE QUADRANGLE, VERMONT

by  
**Barry Doolan**  
 1995



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

Geology mapped by: Doolan B.<sup>1</sup>




Compiled by: David Dreher<sup>2</sup>, under the direction of Barry Doolan<sup>1</sup>

Digitized by: Tom Merrifield<sup>3</sup>, David Dreher<sup>2</sup>

John Dudley<sup>1</sup>, and Tom Merrifield<sup>3</sup>, in cooperation with the US Geological Survey, developed digital protocols for creating ArcInfo coverages of the bedrock data.

Laurence R. Becker, State Geologist

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<sup>2</sup> Vermont Agency of Natural Resources  
<sup>3</sup> Independent Contractor

-  Lakes & Rivers
-  Lithic Contacts
-  Roads
-  Topography (100 Contours)

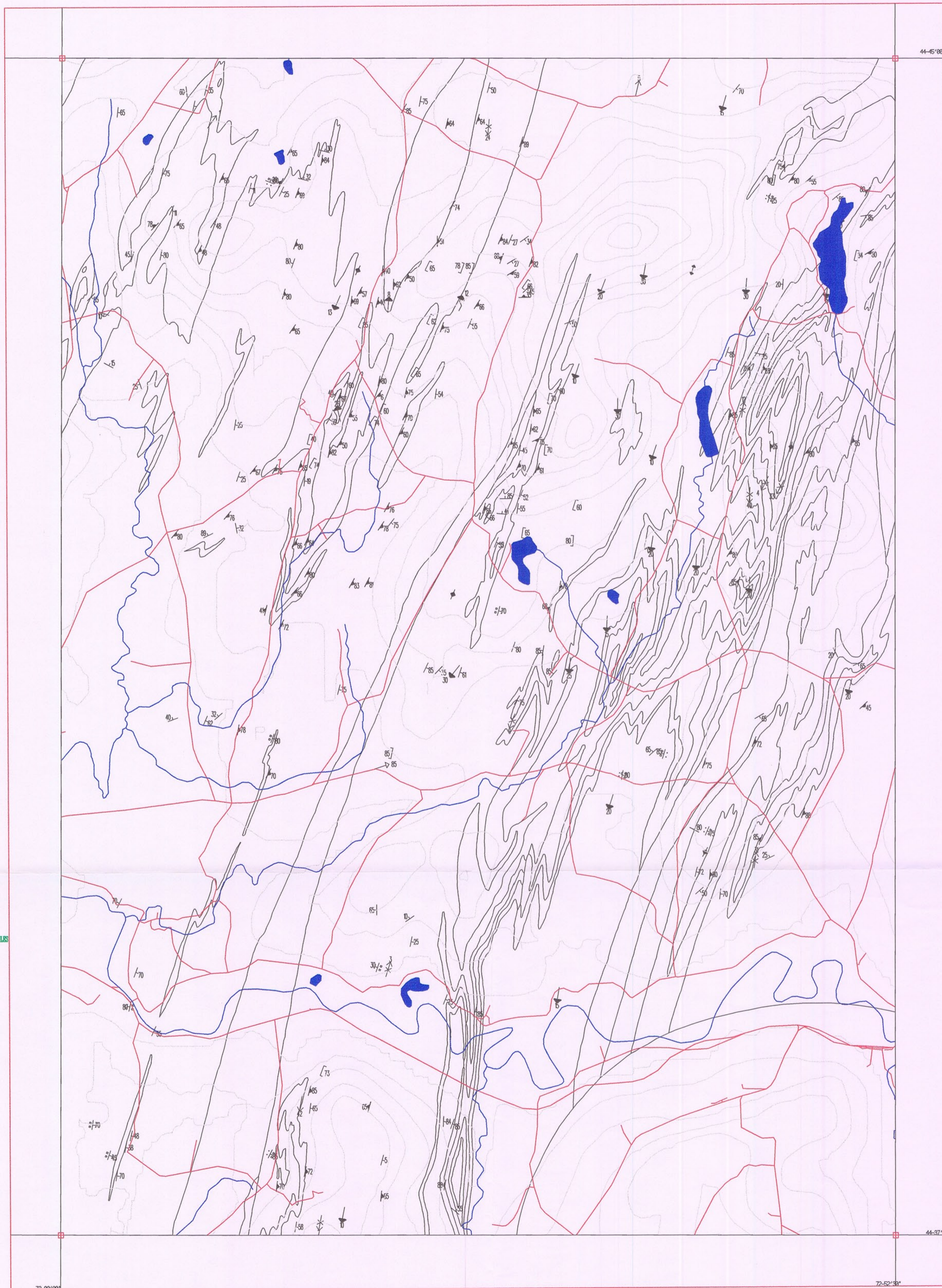


Scale 1:24000

















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Explanation of Map Symbols

-  Strike and dip of bedding (S<sub>0</sub>)
-  Strike and dip of overturned bedding (S<sub>1</sub>)
-  Strike and dip of graded bedding (S<sub>2</sub>)
-  Strike and dip of overturned graded bedding (S<sub>3</sub>)
-  Strike and dip of S<sub>1</sub> cleavage
-  Inclined
-  Vertical
-  Strike and dip of S<sub>2</sub> cleavage
-  Inclined
-  Vertical
-  Intersection lineation of S<sub>0</sub> and S<sub>1</sub>
-  Minor F1 fold axis
-  Minor F1 fold axis, horizontal
-  Minor F2 fold axis