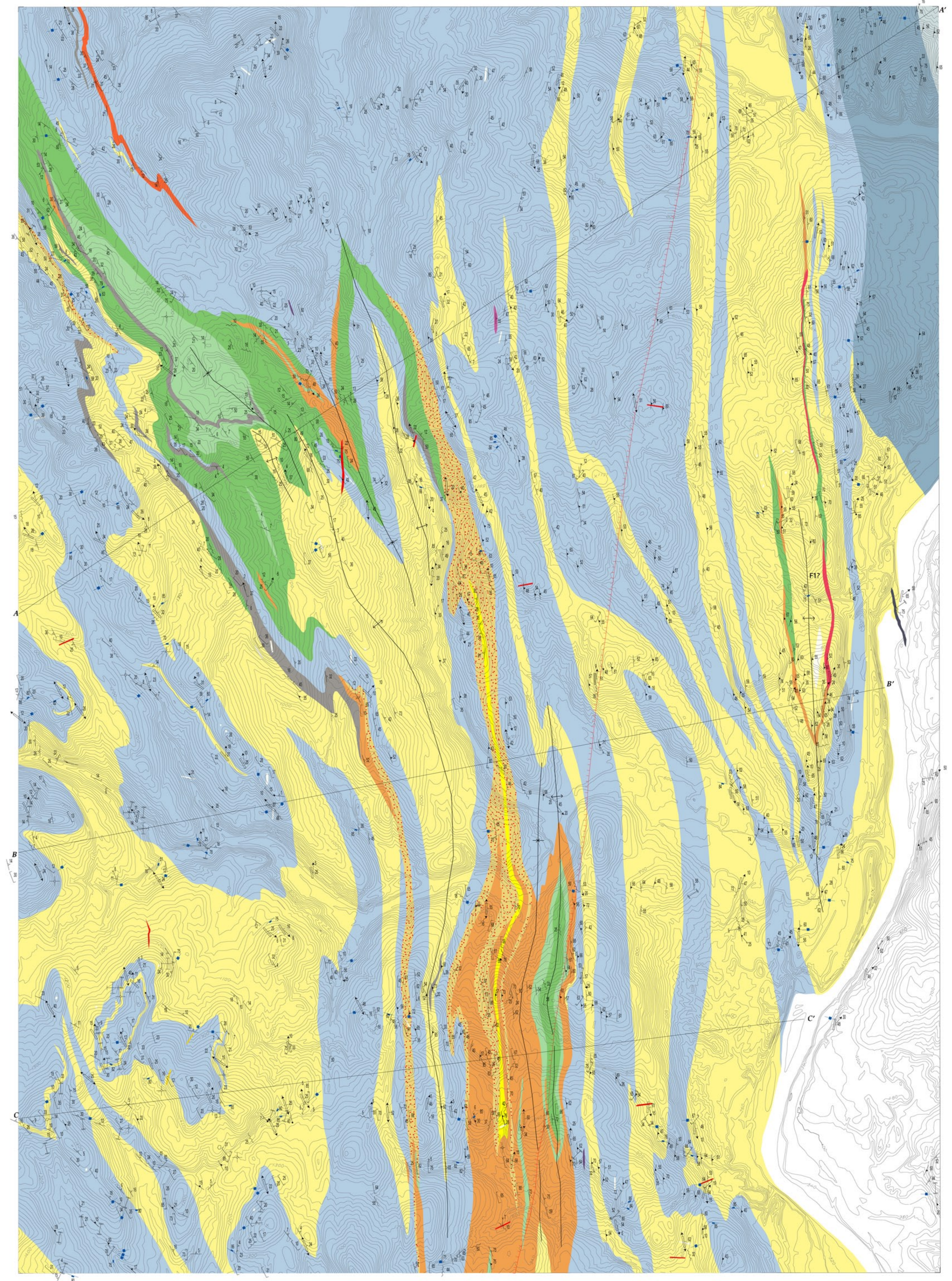
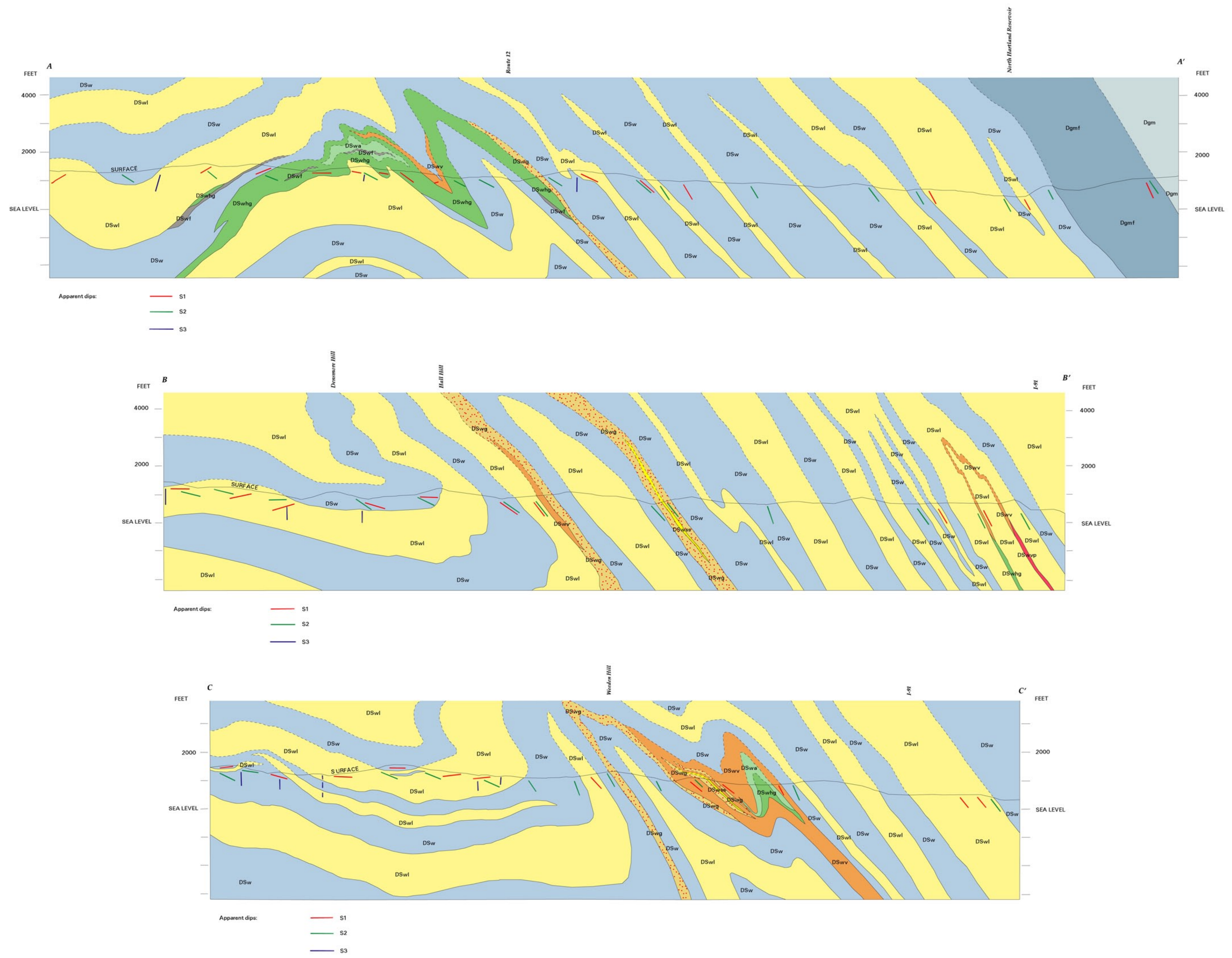
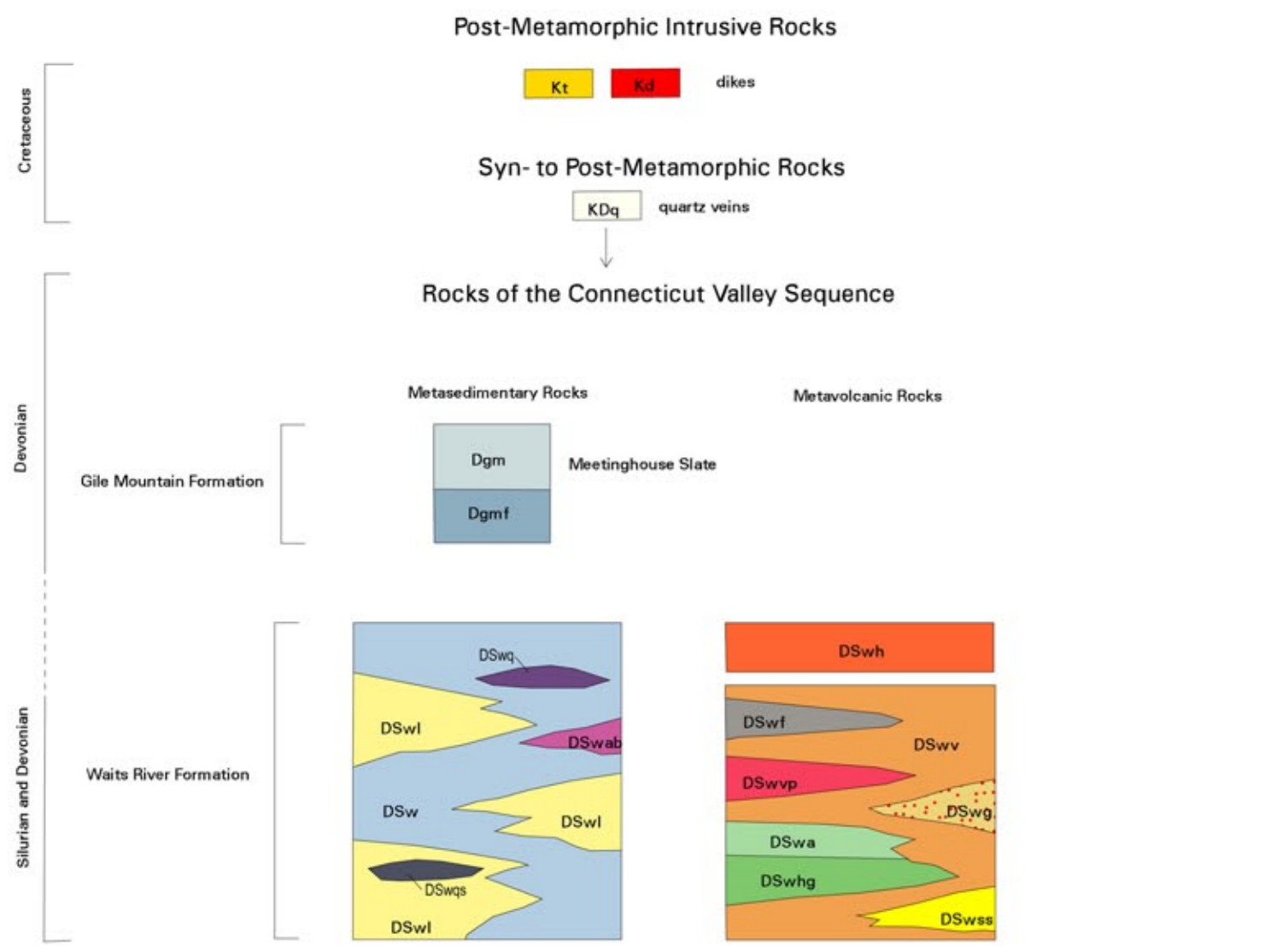


STRUCTURE MAP



Correlation of Map Units



Simplified Description of Map Units

- (see accompanying text for complete description)
- POST-METAMORPHIC INTRUSIVE ROCKS**
- Kd (red): Dikes (Cretaceous)
 - Kt (yellow): Lamprophyre, camptonite, or diabasic dikes
 - Kt (yellow): Trachyte dikes
- SYN- TO POST-METAMORPHIC ROCKS**
- KDq (white): Quartz veins (Devonian and Cretaceous)
- ROCKS OF THE CONNECTICUT VALLEY SEQUENCE**
- Dgm (light blue): Gile Mountain Formation (Lower Devonian)
 - Dgml (dark blue): Meetinghouse Slate
 - Dgml (dark blue): Feldspathic quartzite, granofels, and dark-gray phyllite
- Waits River Formation (Silurian and Lower Devonian)**
- DSwl (yellow): Metasedimentary Rocks
 - DSwhg (green): Limestone and schist
 - DSwh (blue): Gray phyllite and schist
 - DSwhs (orange): Quartzite
 - DSwhv (red): Quartzose schist
 - DSwhw (purple): Ankeritic biotite schist
- Metavolcanic Rocks**
- DSwh (orange): Metavolcanic Rocks
 - DSwhv (red): Laminated schist and granofels
 - DSwhw (purple): Porphyritic schist and granofels
 - DSwhs (orange): Large garnet and hornblende garbenschiefer schist
 - DSwhg (green): Amphibolite and greenstone
 - DSwh (blue): Hornblende-plagioclase gneiss
 - DSwhs (orange): Felsic gneiss and quartzose granofels
 - DSwhg (green): Sulfidic schist
 - DSwh (blue): Hornblende fasciite schist

Explanation of Map Symbols

- Contacts**
- Outcrops (areas of exposed bedrock examined in this study)
 - Garnet isograd, hachures in the garnet zone
 - F2 antiform
 - F2 synform
 - F17 antiform
- Minor Folds**
- Strike and dip of refolded F1 axial surface
 - Inclined
 - Inclined, with refolded horizontal fold axis
 - Strike and dip of F2 axial surface
 - Inclined
 - Inclined, with horizontal fold axis
- Planar Features**
- Strike and dip of bed-parallel S1 schistosity
 - Inclined, showing tops from graded beds
 - Inclined
 - Vertical
 - Horizontal
 - Inclined, deformed
 - Strike and dip of S2 foliation
 - Inclined, expressed as schistosity
 - Inclined, expressed as a spaced cleavage
 - Horizontal, expressed as a spaced cleavage
 - Strike and dip of S3 or younger crenulation cleavage
 - Inclined
 - Vertical
- Other Features**
- Strike and dip of dominant schistosity of undetermined age
 - Inclined
 - Strike and dip of brittle features
 - Inclined joint
 - Vertical joint
 - Inclined normal fault
 - Linear Features
 - Trend and plunge of fold axes and lineations
 - Refolded F1 fold axis
 - F2 fold axis
 - Intersection between S1 and S2
 - Intersection between S2 and S3
 - Aligned hornblende
 - Other Features
 - Abandoned quarry or prospect

Digital Bedrock Geologic Map of the Vermont Part of the
Hartland Quadrangle, Windsor County, Vermont
by
Gregory J. Walsh¹
1998

This plate is a paper representation of the digital bedrock geologic information for the Vermont part of the Hartland quadrangle located in Windsor County, Vermont. The database was digitally compiled on a personal computer system using PC ARC/INFO version 3.5 by Environmental Systems Research Institute, Inc. This map was created in ARC/INFO version 7.1. The topography was obtained from a photographic negative separate of contour lines from the Hartland (1959 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 DSR Contour version 2.00 by GTX Corporation, Inc., and converted into an unattributed line coverage in ARC/INFO version 7.1.



This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards for the North American Stratigraphic Code. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S. Government.
This plate is part A and the database is part B of this Open-File Report. Both parts are available from the Vermont Geological Survey, telephone (802) 241-3900.