



Legend

MORETOWN FOMATION (Ordovician)

Om Interlayered dark-green and grayish-green quartzose phyllites and quartzo-feldspathic granofels, spaced cleavage in these units gives them a "pinstriped" appearance. Greenstones and metadiabasic intrusives occur locally.

OTTAUQUECHEE FORMATION (Cambrian)

Co Undifferentiated; Rusty-weathering, gray to black, carbonaceous to graphitic often pyritiferous phyllites with subordinate grayish-green phyllites; gray, massive granular quartzites; and gray phyllitic granofels.

Cobp Rusty-weathering, gray to black, carbonaceous to graphitic often pyritiferous phyllites.

Cobpcg Rusty-weathering, gray to black, carbonaceous to graphitic often pyritiferous phyllites with rusty-weathering calcareous granofels and thin greenstones.

Comtggp Silvery grayish-green phyllitic granofels with magnetite and local thin brownish dolomitic layers.

STOWE FORMATION (Cambrian)

CZSgpp Grayish-green quartzose phyllites containing numerous floating hingelines of vein quartz, composed primarily of quartz, sericite, and chlorite; locally contains magnetite.

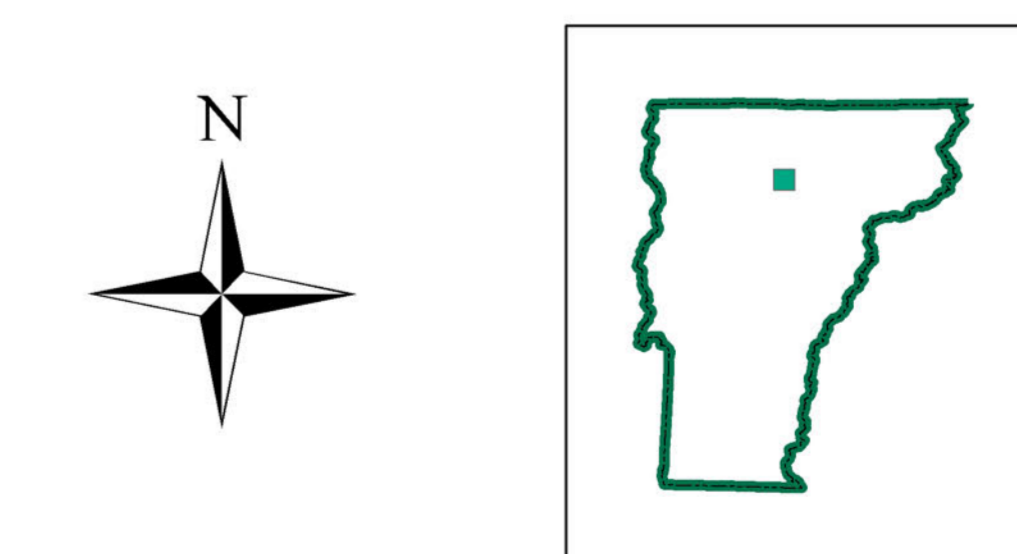
CZSgr Dark apple green often punky-weathering and weakly calcareous greenstone, composed of chlorite, albite, epidote, and quartz ± actinolite, magnetite, locally interlayered with grayish-green phyllites.

CZSea Elmore Amphibolite; dark green to black fine to medium-grained generally massive-weathering, hornblende-plagioclase-epidote-chlorite ± garnet amphibolite, thin interlayers of schist occur locally.

CZSes Elmore Schist Member; Silvery muscovite-quartz-chlorite ± garnet, kyanite, chloritoid schist; garnet and kyanite are retrograded to chlorite and white mica, respectively. Thin greenstones and amphibolites occur throughout.

- Outcrop
- Trend and plunge of L2
- Trend and plunge of L3
- Strike and dip of crenulation cleavage
- Strike and dip of dominant foliation
- Thrust fault - teeth on upper plate
- Quadrangle Boundary

Coordinate System: Vermont State Plane Meter, FIPS 4400, NAD83
 Grid overlay: UTM Zone 18N, NAD83
 Basemap Data from VCGI
 Elevation data derived from USGS NED 10m DEM.



Bedrock Geology of the Morrisville Quadrangle, Vermont

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