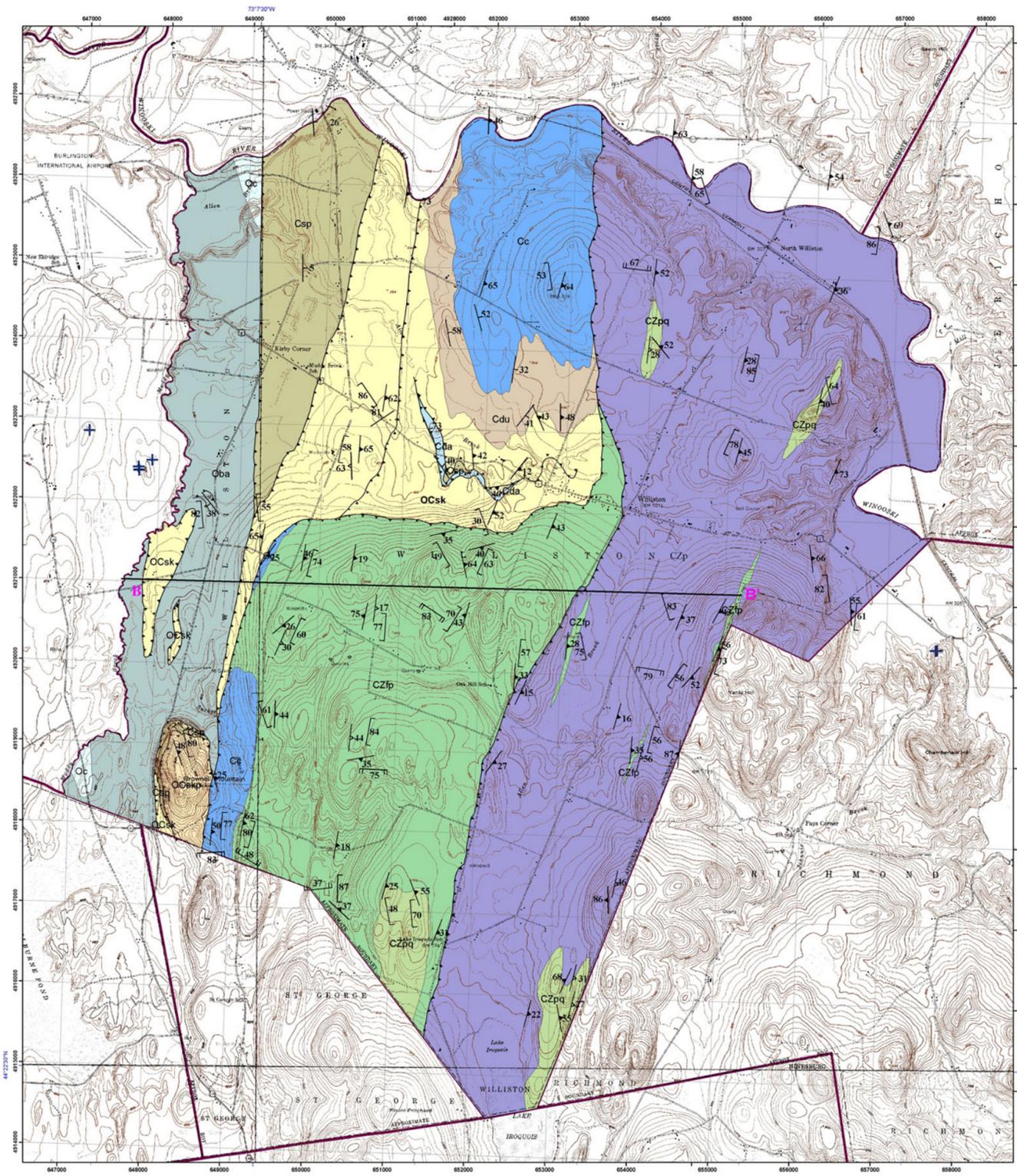


Description of Map Units

- Cretaceous**
- +** Rusty weathering, fine to medium grained, massive, dark gray to green lamprophyre dikes with biotite and amphibole phenocrysts +/- xenoliths; commonly 0.3 - 2 meters wide and have intruded along fractures.
- Ordovician**
- Cutting Formation**
 - Oc** Massively bedded, fine grained gray dolostone.
 - Bascom Formation**
 - Oba** Inter-layered gray limestone and rusty brown weathering dolomite; gray limestone, and dolostone with layers of calcareous quartzite. In outcrop, the then (0.1 -0.5 cm) dolomite commonly weathers as ribs.
- Lower Ordovician to Lower Cambrian**
- Skeels Corner Formation**
 - OCsk** Dark gray to gray phyllite and laminated slate with thin (1-5mm) orange-brown weathering dolomite layers.
 - OCskp** Gray to black weakly graphitic slate/phyllite and gray slate with thin (1-5mm) brown dolomite layers; interbedded limestone, dolostone and phyllite.
- Cambrian**
- Clarendon Springs Formation**
 - Csp** Light to dark gray, massive, granular, recrystallized dolostone and breccia with chert and dolostone clasts.
 - Danby Formation**
 - Cda** Fine to medium grained, gray dolomitic sandstone, commonly with visible rounded gray quartz sand grains.
 - Dunham Formation**
 - Cdu** Tan to brown weathering, buff to light gray, massively bedded dolostone.
 - Cheshire Formation**
 - Cc** Light to dark gray, massive, fine to medium grained quartzite and dark gray argillaceous quartzite.
- Lower Cambrian to Neoproterozoic**
- Fairfield Pond Formation**
 - CZfp** Tan weathering, thinly foliated to massive, grayish-green to gray quartz-sericite-chlorite phyllitic granofels and phyllite. Cleavage planes may have a pearly sheen. Massive gray granular quartzite and blue quartz pebble conglomerate occurs as layers. Quartz and quartz-calcite veins are common. Contact with overlying Cc is gradational.
 - Pinnacle Formation**
 - CZp** Gray to greenish-gray quartz-plagioclase-chlorite-sericite +/- magnetite and pyrite phyllitic granofels, pinstriped schist and quartz-pebble conglomerate. Quartz veins and quartz-sulfide veins commonly occur parallel to the dominant foliation. Contact with overlying CZfp is gradational.
 - CZpq** Light gray weathering, fine to coarse-grained, massive quartz pebble conglomerate commonly studded with smoky gray rounded quartz pebbles +/- pyrite and magnetite.

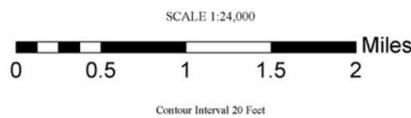
Explanation of Map Symbols

- S0** - Strike and dip of bedding
- S1** - Strike and dip of foliation (commonly parallel to compositional layering)
- S2** - Strike and dip of foliation
- S3** - Strike and dip of cleavage (fracture cleavage and crenulate cleavage)
- S4** - Strike and dip of widely spaced cleavage
- Thrust Fault** - teeth on upper plate
- Outcrop Locations**
- Vermont Town Boundaries from VCGI**
- Cross Section Line A - A'**



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.

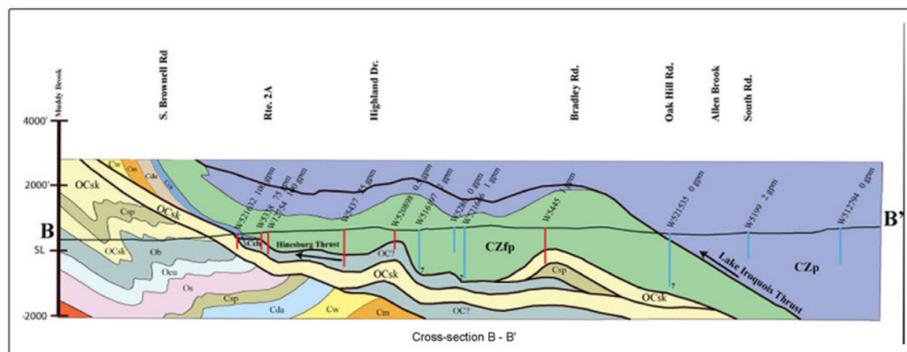
Digital Cartography by M. Gale and J. Kim
Date: September 2007



BEDROCK GEOLOGIC MAP OF THE TOWN OF WILLISTON, VERMONT

by
Jonathan Kim, Marjorie Gale, Peter Thompson and Karen Derman
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Fractures in the Bascom Fm., Williston, VT