



- LEGEND AMETHYST LAKES 83 D/g
- QUATERNARY  
PLEISTOCENE AND RECENT**
- Qr Rock glacier
  - Qg Ice glacier
  - Qd Till, alluvium, colluvium
- MIDDLE CAMBRIAN**
- Car ARCTOMY'S FORMATION: Shale, purple-red, green and grey; with thin interbeds of siltstone and sandstone, dolomitic, yellow with ripple marks, mud cracks, salt casts; and minor dolomite, yellow weathering.
  - EpK PIKA FORMATION: Limestone, micritic, grey, thin bedded; with partings and mottlings of finely crystalline dolomite; limestone pebble conglomerate; coarser and subordinate shale.
  - Eel ELDON FORMATION: Limestone, micritic, dolomitic, mottled, grey, massive; replaced locally by secondary, coarsely crystalline dolomite.
  - Esi SNAKE INDIAN FORMATION: Alternating units of limestone and calcareous shales; limestones micritic, parted, grey and resistant; shale calcareous, grey, recessive; with silty shales and siltstones, red and green at the base. C-30 - basal limestone, light grey, massive; mapped in core of Simon syncline.
- LOWER CAMBRIAN AND/OR HADRYNIAN**
- EmA GOG GROUP: Shale, quartzose, crossbedded, alternating with thinner beds of siltstone and silty shale.
  - Emu MURAL FORMATION: Limestone, micritic, and dolomite, finely crystalline; grey with archeocyathid fragments, massive, some shale interbeds.
  - Emn McNAUGHTON FORMATION: Sandstone, quartzose, crossbedded, massive; pebble conglomerate and feldspathic sandstone at base.
  - EmG GOG GROUP: Sandstone, quartzose, fine- to coarse-grained, light grey, crossbedded, massive; argillaceous sandstone and silty shale.
- HADRYNIAN**
- WINDERMERE SUPERGROUP**
- MIETTE GROUP (Pmuc, Pmuu, Pmus, Pmg, Pmgf, Pmof)**
- UPPER MIETTE GROUP**  
Carbonate Unit: Dolomite, finely crystalline, light brown to grey, locally with stromatolites and pisolites, massive; laterally becomes more shaly and grades into Pmuu; occurs at more than one stratigraphic level.  
Pmuu Upper Unit: Shale, silty, dark grey to black; variable amounts of pebble sandstone; local paraconglomerate.  
Pmus Sandstone Unit: Sandstone, light brown, medium- to coarse-grained, quartzose, crossbedded, weathers dark grey; interbedded with green pelites and minor carbonates.  
Pmpu Pelite Unit: Shale and pelite, silty brown to dark grey, finely laminated; minor sandstone and siltstone interbeds.
  - MIDDLE MIETTE GROUP**  
Grit Unit: Ridge-forming grit and sandstone, consisting of composite, stacked, graded units alternating with shale and siltstone, recessive, dark grey; sandstone and grit poorly sorted. Tops of prominent, composite, grit units are mapped west of the Chatter Creek Thrust. Metamorphosed to chlorite grade west of Chatter Creek Thrust.  
Pmg Lower part only west of Chatter Creek Thrust; pelites, black with occasional, widely spaced, discontinuous, composite units of grit and sandstone.
  - LOWER MIETTE GROUP**  
Pmi Shale and pelite, light grey, greenish grey and dark grey; with occasional interbeds up to 25 m of quartzose sandstone, fine- to coarse-grained, sorted, laminated, with trough crossbedding; minor quartz pebble conglomerate.  
Pmof OLD FORT POINT FORMATION: Slate with siltstone, grey, green, purple; with variable amounts of limestone, micritic, pink to light green limestone intraformational breccia; minor, calcareous sandstone (in cross-section only).
- UPPER MIETTE GROUP (undivided):** Lower part same as Pelite Unit; upper part highly variable sequence of grit and quartzites alternating with dark grey shales. Locally rare paraconglomerates with dolomite clasts, possible equivalent to the Carbonate Unit.
- Geological symbols:**
- Rock glacier and slumps (Qr)
  - Qd boundary
  - Geologic boundary (defined, approximate, assumed)
  - Bedding tops known (inclined, vertical, horizontal, overturned)
  - Bedding tops not known
  - Cleavage
  - Thrust faults (teeth on upthrust side, defined, approximate, assumed; assumed projected under younger deposits)
  - Faults normal (defined, approximate, assumed; projected under younger deposits)
  - Anticline, trace of axial surface (upright, overturned)
  - Syncline, trace of axial surface (upright, overturned)
  - Fossil locality (GSC catalog locality number)
  - Stratigraphic section, locus of measurements (MJ - studied by E.W. Mountjoy; MJT - studied by E.W. Mountjoy and M. Teitz)

