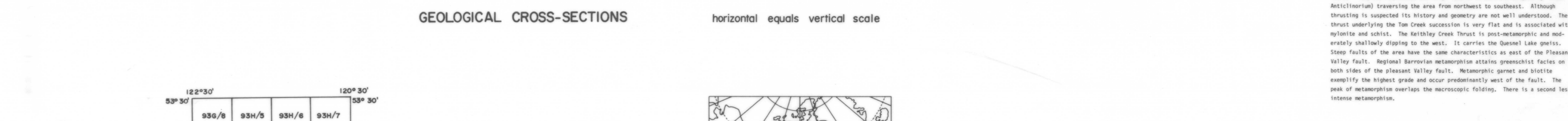
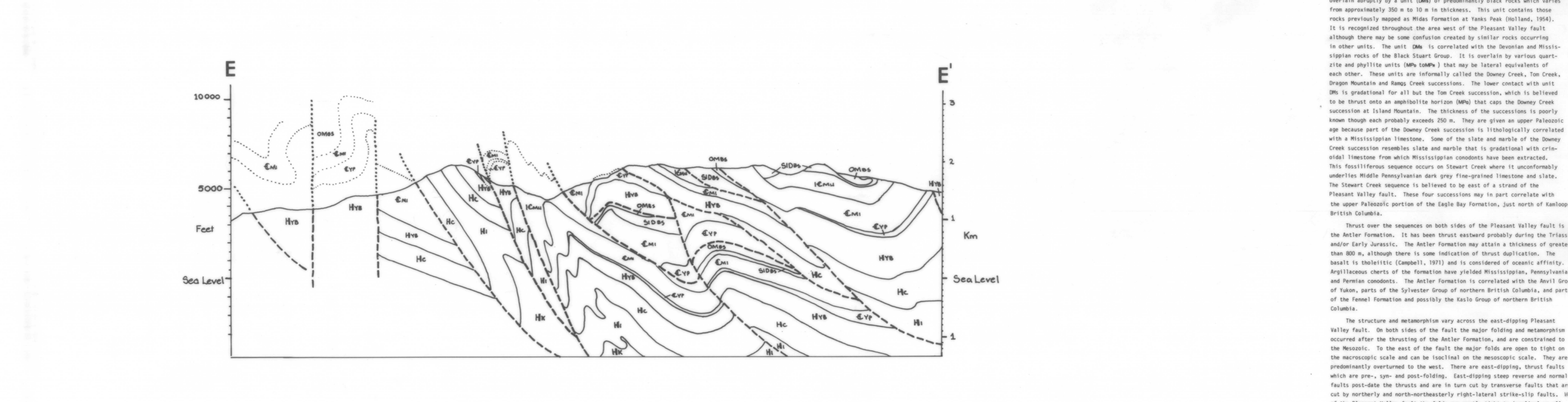
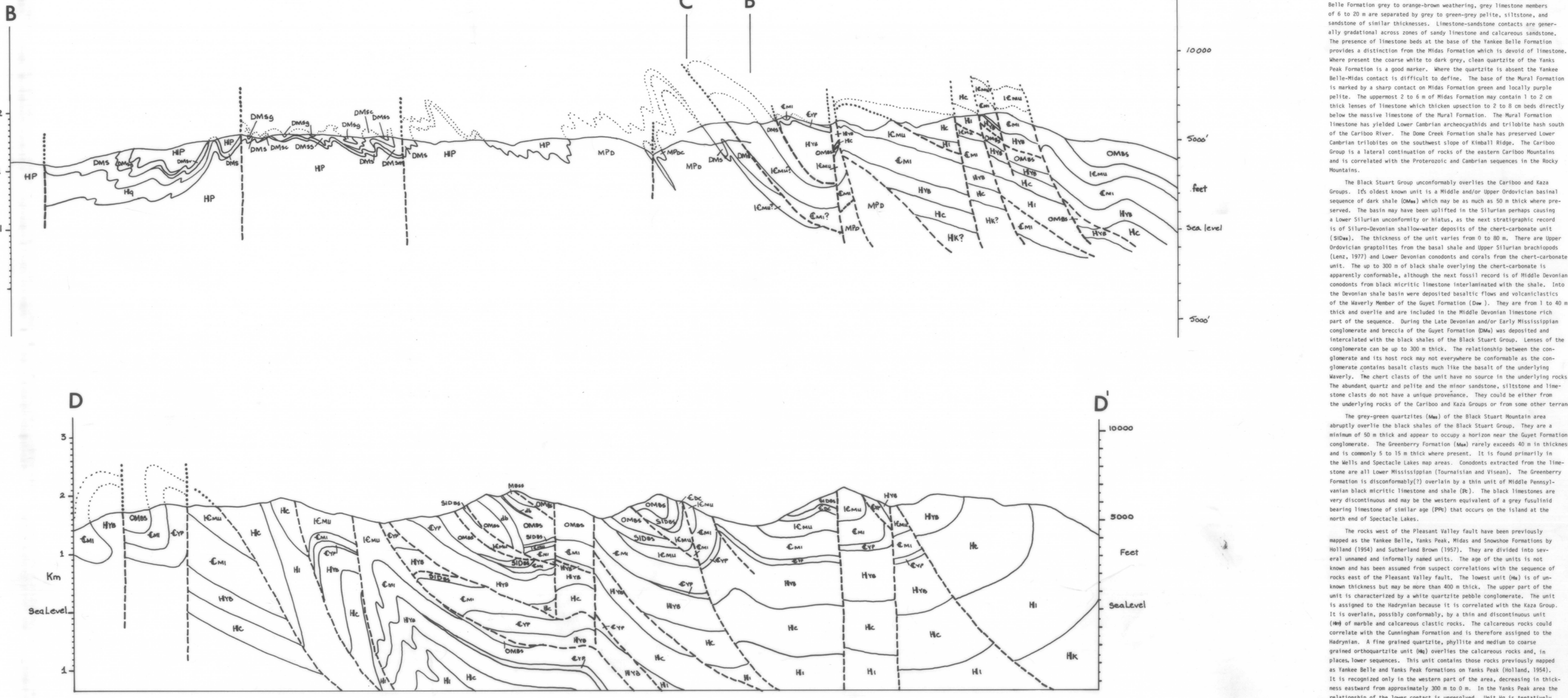


LEGEND

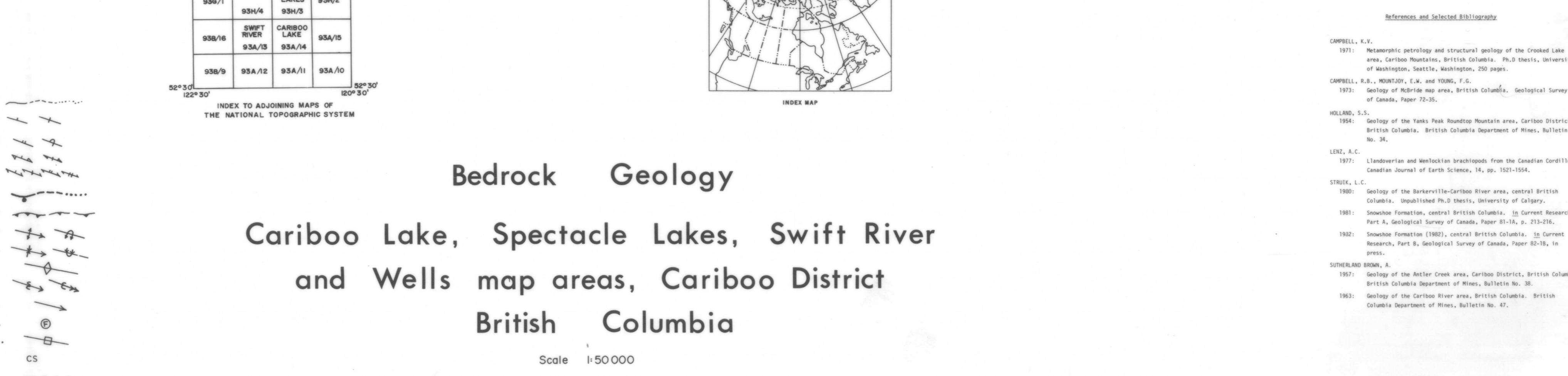
- TRIASSIC AND JURASSIC
 - Norian and (?) Younger
 - K_{ub} augite porphyry basalt breccia, minor flows, tuff and tuffaceous argillite; local andesitic basalt
 - K_{ja} basaltic tuff and breccia, generally fine-grained; argillite, flows, chert
 - Upper Triassic Karian and (?) Norian
 - U_{ka} phyllite, argillite, slaty argillite, quartzite, schist, minor greenschist (subgreenschist to greenschist facies of metamorphism)
 - U_{ka2} undivided U_{ka} and greenstone, augite-porphry breccia, tuff breccia, tuff; possible dykes and sills (greenschist facies metamorphism)
 - PALEOZOIC OR MESOZOIC
 - M_{ub} serpentinite, peridotite; same as M_{pa}
 - MISSISSIPPIAN, PENNSYLVANIAN AND PERMIAN
 - M_{pa} Antler Formation: MPw; diorite, basalt, serpentinite, gabbro, undifferentiated MPw, MPw; olive and grey chert, black and green slate, greyswacke; serpentinite, sheared mafic rocks
 - MISSISSIPPIAN ? TO PERMIAN ?
 - MPz Ramon Creek Succession: olive and grey micaceous quartzite, phyllite and slate, limestone, metabuff; MPw; phyllite, schist, quartzite, calc-silicate rocks MPw; limestone, calcareous quartzite, phyllite MPw; black siltite and slate, may be equivalent to DMs; MPw; green olive and grey slate and phyllite, olive-grey greyswacke, may be in part equivalent to Hq
 - MPw Dragon Mountain Succession: olive and grey micaceous quartzite and phyllite
 - MPy Tom Creek Succession: olive grey micaceous quartzite, phyllite and schist
 - MPb Downey Creek Succession: olive and grey micaceous quartzite and phyllite, grey olive and green slate, limestone, marble, metabuff; MPw; limestone, marble, metabuff, slate
 - MPa amphibolite
 - MPs dark grey sandy limestone, dark grey greyswacke
 - MPv foliated diorite and augite porphyry basalt, gabbroic rocks, includes undifferentiated M_{ub}
 - DEVONIAN ? AND MISSISSIPPIAN ?
 - DMs black siltite and phyllite, grey micaceous quartzite, limestone, minor metabuff; DMw; greyswacke, muddy conglomerate DMw; quartzite, calc conglomerate, quartzite DMw; limestone, minor dolostone DMw; grey micaceous quartzite, dark grey phyllite, DMw; quartzite, minor conglomerate DMw; interbedded grey slate and green metabuff in part calcareous
 - PALEOZOIC ?
 - Pc orange weathering fuchsite bearing ankeritic carbonate
 - HADRYNTIAN ?
 - Hq grey and olive fine micaceous quartzite, and phyllite, minor marble Hq; marble, phyllite Hq; grey and green phyllite, minor olive quartzite Hq; white to dark grey quartzite
 - Hm marble, calcareous sandstone, micaceous quartzite, green and grey phyllite, in part calcareous
 - Hs grey and olive-grey micaceous quartzite, phyllite and schist conglomerate
 - HP undifferentiated Hs to M_{pa}, mainly DMs to M_{pb}
 - HADRYNTIAN AND/OR DEVONIAN AND MISSISSIPPIAN
 - HPs Snowshoe Formation: may be equivalent to Black Stuart and Guyot Formations and (?) younger units; may include or be equivalent to Kaza Group: quartzite, meta-greyswacke, phyllite, schist, minor limestone
 - HPm Snowshoe Formation: may include undivided chert, phyllite, argillite, limestone, minor siltstone; phyllite, schist and gneiss in amphibolite facies of metamorphism

- PERMIAN? AND/OR TRIASSIC?
 - PKa grey and green slate and phyllite, olive and grey greyswacke, may be in part equivalent to
- PERMIAN
 - Pc grey crinoidal limestone, minor grey chert
- PERMIAN AND PENNSYLVANIAN
 - PPa Lower Permian and/or Middle and Upper Pennsylvanian
 - PPa grey fusulinid and pelletoidal limestone
 - Middle Pennsylvanian
 - Pc black micritic limestones; grey and black shale
- MISSISSIPPIAN
 - Lower Mississippian
 - Mka Greenberry Formation: grey crinoidal limestone, chert, slate
 - DEVONIAN AND MISSISSIPPIAN
 - DEVONIAN FORMATION
 - Upper Devonian and Lower Mississippian
 - DMa quartz sand matrix chert pebble conglomerate to breccia, black clay matrix lithic granule to cobble conglomerate, quartzite, greyswacke and minor black slate.
 - Middle or Upper Devonian
 - DMw Navery Member: schistose calcareous siliceous sediments, green and purple pyroclastic rocks, pillow basalt, minor siltite.
 - ORDOVICIAN TO MISSISSIPPIAN ? OR YOUNGER
 - BLACK STUART GROUP
 - Mississippian?
 - Msa olive grey quartzite, black and pink chert
 - Upper Ordovician and Devonian to Mississippian or Younger (Silurian Missing?)
 - OMa black slate, argillite and cherty argillite, black limestone, dolostone and silicified limestone (in part amphibolite)
 - Upper Silurian and Lower Devonian
 - SDM light to dark grey chert breccia, grey limestone matrix dolostone granule to pebble breccia, limestone matrix chert, quartz, dolostone conglomerate to breccia
 - CAMBRIAN
 - Lower and Upper Cambrian (middle missing?)
 - CDc Dome Creek Formation: black shale, green phyllite, limestone
 - Lower Cambrian
 - ICM Mural Formation: dark grey to white limestone to marble, white dolostone
 - CAMBRIAN AND/OR HADRYNTIAN
 - EM Midas Formation: grey slate and phyllite, dark grey siltite, fine olive grey quartzite
 - EP Yanks Peak Formation: dark grey to white quartzite, grey to olive shale, phyllite and fine quartzite, minor quartz granule conglomerate
 - EY undifferentiated Midas, Yanks Peak and Yankee Belle Formations.
 - HADRYNTIAN
 - Hya Yankee Belle Formation: grey to olive shale, phyllite and fine quartzite, sandy grey limestone, grey to greenish grey limestone
 - Hc Cunningham Formation: dark grey to white limestone to marble, white dolostone
 - Hi Isaac Formation: black phyllite and calcareous phyllite, dark grey limestone, minor calcareous sandstone and feldspathic quartzite
 - Hk Kaza Group: alternating units of feldspathic grit and grey phyllite or schist



- IGNEOUS ROCKS
 - TERTIARY
 - Ip lamprophyre
 - PENNSYLVANIAN OR YOUNGER
 - qp quartz porphyry rhyolite
 - MISSISSIPPIAN OR YOUNGER
 - ab diabase, diorite
- Note
 - 1) This grey phyllite may indicate duplication of Midas and Mural Formations by Thrust Faulting. The thrust would parallel the base of the phyllite
- These symbols are the same as those used by R.B. Campbell for the Quesnel Lake map area (Geological Survey of Canada, Open File 574, 1978)

- KEY
 - Geological contact (defined, approximate, assumed).....
 - Bedding, top unknown (inclined, vertical).....
 - Bedding, top known (inclined, overturned).....
 - Bedding parallel to cleavage (inclined, vertical).....
 - Cleavage (first generation; inclined, vertical; second generation; inclined, vertical).....
 - Fault (defined, approximate, assumed) dot on downthrow side.....
 - Thrust fault (defined, approximate or assumed) teeth in upper sheet.....
 - Anticline (upright, overturned) arrow points in plunge direction.....
 - Syncline (upright, overturned) arrow points in plunge direction.....
 - Antiform.....
 - Minor fold axes (first generation, second generation).....
 - Pebble long axis, average trend and plunge.....
 - Fossil locality.....
 - Fan axis.....
 - calc-silicate rocks (isolated outcrops).....
 - Border of detailed geology as mapped by L.C. Struik.....
 - reconnaissance geology beyond the border is.....



Bedrock Geology
Cariboo Lake, Spectacle Lakes, Swift River
and Wells map areas, Cariboo District
British Columbia
Scale 1:50,000
Geology by L.C. Struik 1977 to 1981

O.F. 858 Geological Survey of Canada
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