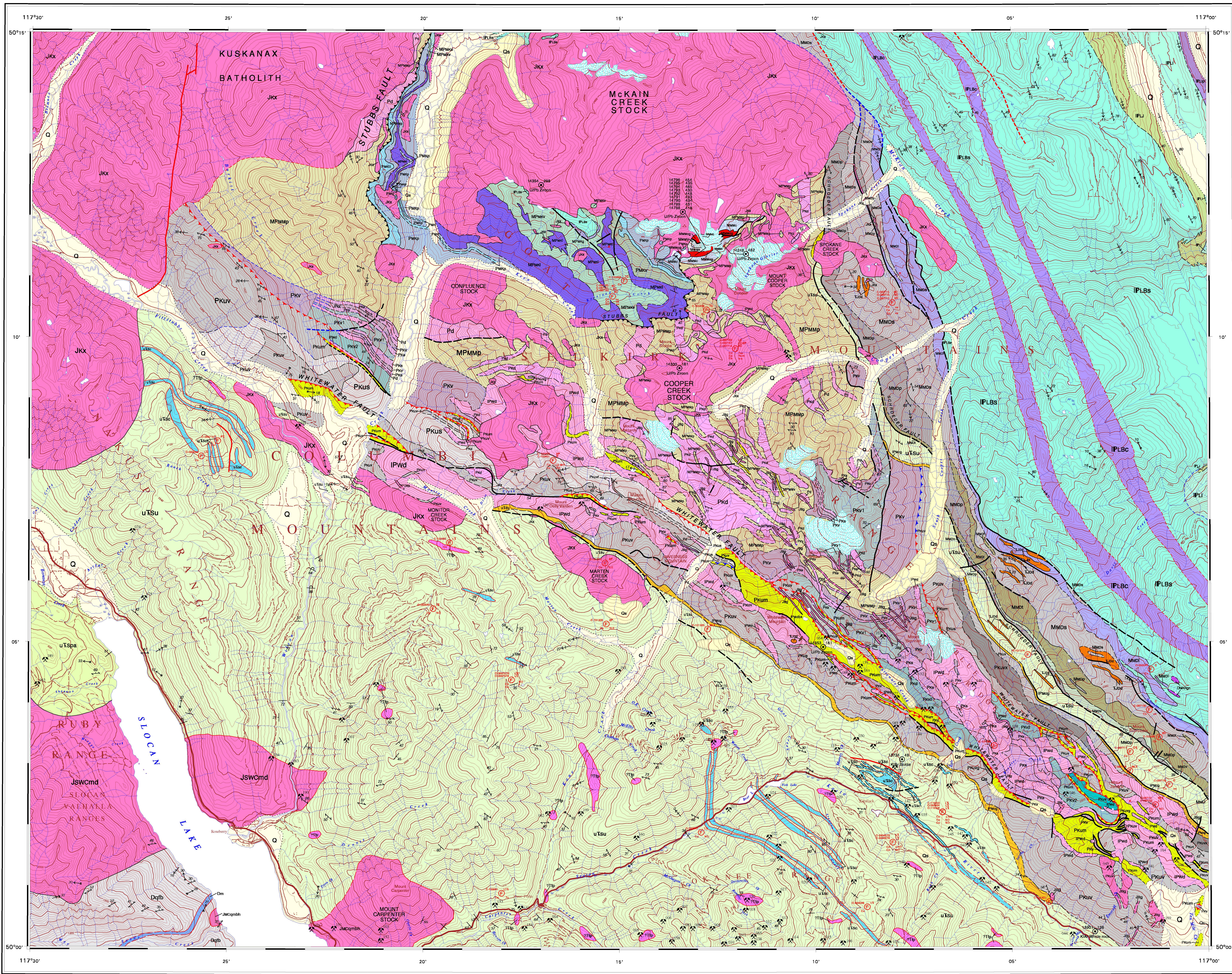


REFERENCES
Knapik, D. W. 1986. Stratigraphy and structure geology of the Boat Range area, southeastern British Columbia. Unpublished PhD thesis, Massachusetts Institute of Technology, Massachusetts, USA, 206p.
Read, R. B. 1972. Petrology and structure of Poplar Creek Map Area. Geological Survey of Canada, Bulletin 103, 146p.
Read, R. B. and Wheeler, J. C. 1976. Geology of Laramie W20 (82K W20). Geological Survey of Canada, Open File Map 62, 1:125,000.
Canadian Geomorphology Knowledgebase: http://geomorph.gc.ca/geochron/index\_e.php

MINERAL OCCURRENCE INDEX

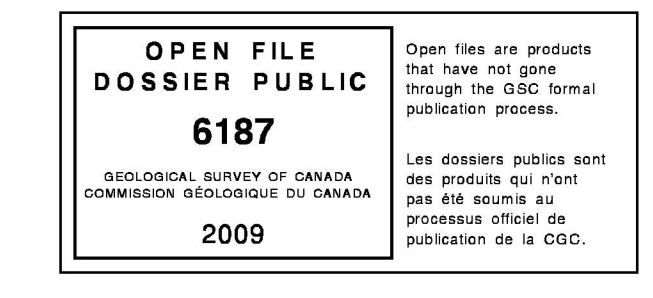
Table with 3 columns: MINFILE NO, NAME, COMMODITY\*. Lists various mineral occurrences with their names and associated commodities.



LEGEND
CENOZOIC QUATERNARY
PLEISTOCENE AND RECENT
Q Unconsolidated sediments; glacial deposits, colluvium and alluvium; few if any outcrops, probable subcrop and within parentheses
Qs Slide
?Ttp Feldspar porphyry dikes, sills and plugs
TI Lamprophyre dikes: Biotite lamprophyre with grey or green apatite (theadwaters of Kane Creek); argillite lamprophyre (west of Wilson Creek)
MIOCENE
MIOJmgn Kootenai River intrusives (<173 Ma): Hornblende quartz monzonite; weakly foliated to gneiss
Jkx Kuskawax intrusives suite (173-181 Ma): Medium-grained argillite, augite and hornblende monzonite with hornblende, biotite or rare feldspar porphyry or monzonite
JMcmbh Mount Carpenter Stock: Biotite-hornblende quartz monzonite
Jswcnd SNOWSLIDE AND WIDGEE CREEK STOCKS: Epidote-biotite quartz monzonite, quartz-diorite, and granodiorite
UPPER TRIASSIC TO MIDDLE JURASSIC
Tjdd Lava ridge diorite: Light green, coarse-grained pyroxene-plagioclase porphyry dikes, sills and dykes, locally well foliated
LOWER JURASSIC
Lhb Argillite meta-basalt and meta-andesite flows and tuff (unit 128 of Hyndman)
TRASSIC
UPPER TRIASSIC
uTsbu SLOCAN FORMATION: Dark grey argillite, biotite schist, dark grey calcareous argillite, dark grey sandy phyllite, light to medium grey meta-siltstones, minor volcanic breccia, sandstone and agglomerate
uTspa Argillite, shale to siltstone, tuff
uTsc Ocean Carbonaceous Limestone: Black, fine-crystalline limestone, calcareous siltstone with cherty nodules
PERMIAN
IPmcc Merten Conglomerate: Pebbles to cobble conglomerate with grey and green matrix containing clasts of gneiss, diorite, limestone, and occasional xenoliths of mafic rock; locally calcareous and/or gneiss; local interbed of limestone (unit 19 of Read and Wheeler)
IPwd Whitewater Diolite: Medium- to coarse-grained, massive equigranular hornblende diolite; locally intensely sheared and foliated along ductile shear zones
IPwdb Porphyroclastic intrusive breccia
Pkd Kane Creek Diorite: Light grey to greenish-grey hornblende diorite and melanite, locally foliated and altered to orthite and saussurite; feeder intrusive for Kaseo Group
Pd Undifferentiated Diolite: Medium-grained, equigranular hornblende diolite, locally altered to orthite and saussurite
PERMIAN AND (?) OLDER
PKxv Grey-matrix granitoid breccia
PKxuf Pink felsic tuff
PKus Upper Plate Sedimentary Member: Green to white bedded cherty tuff, brown to grey sands and volcanic conglomerates with clasts of volcanic rock, diorite, and siltstone (unit 20a, 20b of Read 1973)
PKvng Volcanic conglomerate
PKum Ultramafic Member: Saponite, talc schist, talc-chlorite schist, locally intensely brecciated and/or foliated
Rocks in the hanging wall of the Whitewater Fault
PERMIAN AND (?) OLDER
KASO GROUP
PKv2 Upper Plate Volcanic Member: Tholeiitic pyroxene-plagioclase porphyry gneiss; pillow lava, pillow breccia, tuffaceous gneiss
PKv3 Sedimentary Member: Green and white cherty tuff, grey and purple-grey siliceous argillite and phyllite, rare pyroxene and volcanic conglomerate, interlayered with volcanic members PKv1, PKv
PKv1 Lower Volcanic Member: Tholeiitic pyroxene-plagioclase porphyry gneiss; pillow lava breccia, tuffaceous gneiss
PKv Undivided Volcanic Rocks: Tholeiitic gneiss, pillow lava, flows, and associated intrusives; breccia, pyroxene-plagioclase porphyry, calcareous rock
Rocks in the footwall of the Whitewater Fault
LOWER PERMIAN AND (?) OLDER
KASO GROUP
PKv2 Upper Plate Volcanic Member: Tholeiitic pyroxene-plagioclase porphyry gneiss; pillow lava, pillow breccia, tuffaceous gneiss
PKv3 Sedimentary Member: Green and white cherty tuff, grey and purple-grey siliceous argillite and phyllite, rare pyroxene and volcanic conglomerate, interlayered with volcanic members PKv1, PKv
PKv1 Lower Volcanic Member: Tholeiitic pyroxene-plagioclase porphyry gneiss; pillow lava breccia, tuffaceous gneiss
PKv Undivided Volcanic Rocks: Tholeiitic gneiss, pillow lava, flows, and associated intrusives; breccia, pyroxene-plagioclase porphyry, calcareous rock
Rocks in the hanging wall of the Whitewater Fault
MISSISSIPPIAN AND PENNSYLVANIAN
UPPER MISSISSIPPIAN TO LOWER PENNSYLVANIAN
MLFDRG GROUP (Kane Creek Assemblage)
MPMxv Volcanic Member: Tholeiitic gneiss; pyroxene-plagioclase flows, sills and pillow lava; pillow breccia, tuffaceous gneiss
MPMmp Siliceous Argillite Member: Bedded grey siliceous argillite and chert; massive grey siliceous argillite; white siliceous argillite where bleached by brines; bedded grey calc-schist; chert pebble conglomerate
MISSISSIPPIAN AND PENNSYLVANIAN
UPPER MISSISSIPPIAN TO LOWER PENNSYLVANIAN
MLFDRG GROUP (Kane Creek Assemblage)
PKm2 Upper Limestone Member: Light grey limestone and white marble, interbedded with PKm1
PKm1 Upper Volcanic Member: Tholeiitic pyroxene-plagioclase porphyry pillow lava; massive gneiss; grades westward into PKm2
MISSISSIPPIAN AND PENNSYLVANIAN
UPPER MISSISSIPPIAN TO LOWER PENNSYLVANIAN
MLFDRG GROUP (Kane Creek Assemblage)
PKm3 Basal Classic Member: Bedded plagioclase granite sandstone or argillite, locally contains clasts of quartz and feldspar; local basal conglomerate and metasediments
MISSISSIPPIAN AND PENNSYLVANIAN
UPPER MISSISSIPPIAN TO LOWER PENNSYLVANIAN
MLFDRG GROUP (Kane Creek Assemblage)
PKm4 Sandstone and Phyllite Member: Massive grey phyllite or slate interbedded with pink to brown calcareous sandstone; minor calcareous grades into map unit MMDp
MISSISSIPPIAN AND PENNSYLVANIAN
UPPER MISSISSIPPIAN TO LOWER PENNSYLVANIAN
MLFDRG GROUP (Kane Creek Assemblage)
PKm5 Limestone Member: Mainly grey or blue-grey limestone, well bedded, blocky, locally with argillaceous partings; and basal black carbonaceous argillite and white quartz pebble conglomerate (unit 14 of Read east of Douglas Fault)
DEVONIAN AND CARBONIFEROUS?
Dgfb Silver Creek Schist: Quartz-feldspar muscovite-biotite schist with or without garnet, staurolite and sillimanite; black carbonaceous schist, dark grey to tan micaceous quartzite, minor white to grey marble, amphibolite schist, minor amphibolite (map units Pw1 and Pw2 of Read, 1973)
Dm Silver Creek Marble: Medium to coarse crystalline, white to dark grey marble (map unit Pw2 of Read, 1973)
CAMBRIAN TO FLOWER OROVICAN
LARGO GROUP
BROADVIEW FORMATION
IFLbc Limestone member: Limestone, grey phyllite limestone and grey phyllite
IFLbs Grit member: Grey and green phyllite, grit and phyllite
IFU INDEX FORMATION: Grey and light green phyllite; minor phyllite limestone and quartz grit (unit 3 of Fyles, 1964)
IFLp Grey schist: Fine-grained grey mica schist and garnet mica schist (units 3a and 3b of Fyles, 1964)
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2009. Geology, Rosebery, British Columbia. Geological Survey of Canada, Open File 6187, scale 1:50,000.

OPEN FILE 6187
GEOLOGY
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Scale 1:50 000/Echelle 1:50 000
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Geological compilation by R. I. Thompson, 2002
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Digital cartography by P. Dhesi, Geological Survey of Canada, Pacific Division
Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Map metadata including scale, projection, datum, and contact information. Includes a scale bar and a location map of British Columbia.



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