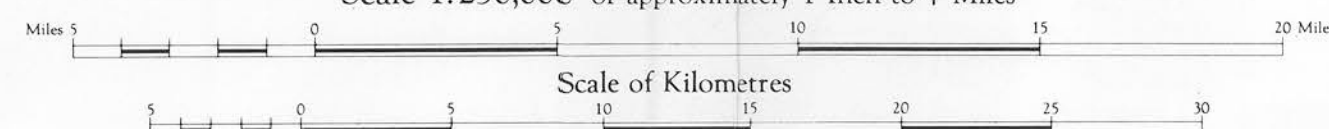


BONAPARTE RIVER
BRITISH COLUMBIA

Scale 1:250,000 or approximately 1 Inch to 4 Miles



LEGEND

SEDIMENTARY AND VOLCANIC ROCKS

QUATERNARY

PLEISTOCENE TO RECENT

7 (TILL 44) TILL, GRAVEL, SILT, CLAY

TERTIARY

MIOCENE AND/OR PIOCENE

6 (BSLT 42) PLATEAU LAVA; OLIVINE BASALT, ANDESITE, RELATED ASH AND BRECCIA BEDS, BASALTIC ARENITE, OLIVINE GABBRO PLUGS; MINOR RECENT BASALT FLOWS AND CINDER DEPOSITS

EOCENE TO OLOGICENE

5 (DCIT 42) KAMLOOPS GROUP (SKULL HILL FORMATION): DACITE, TRACHYTE, BASALT, ANDESITE, RHYOLITE, AND RELATED BRECCIAS; AREALLY MINOR DEAD RIVER FORMATION AND CHU CHUA FORMATION SHALE, SANDSTONE, SILTSTONE, TUFF, CONGLOMERATE, BRECCIA, DIATOMITE, AND COAL

MESOZOIC

JURASSIC

4 (SLSN 34) ANDESITIC ARENITE, SILTSTONE, CONGLOMERATE AND BRECCIA; GREYWACKE AND ARGILLITE

TRIASSIC

3 (ANDS 32) NICOLA GROUP AND PAVILLION GROUP: ANDESITE FLOW ROCKS AND BRECCIA WITH INTERBEDDED TUFF, SILTSTONE, ARGILLITE, SHALE, GREYWACKE, AND LIMESTONE

PALEOZOIC AND PROTEROZOIC (?)

PERMIAN

2 (LMSN 24) CACHE CREEK GROUP (MARBLE CANYON FORMATION): MASSIVE LIMESTONE, ARGILLITE, TUFF, ANDESITE, AND BASALT

WINDERMERE TO PERMIAN

1 (GRNS 11) KAZA OR CARIBOU GROUP AND SLIDE MOUNTAIN GROUP (FENNEL FORMATION AND EAGLE BAY FORMATION): GREENSTONE, ANDESITIC AND BASALTIC FLOW ROCKS AND TUFF, SCHIST, CHERT, ARGILLITE, SHALE, LIMESTONE, MINOR CONGLOMERATE AND QUARTZITE

PLUTONIC ROCKS

MESOZOIC AND YOUNGER

A (GRNT 41) RAFT BATHOLITH, BALDY MOUNTAIN BATHOLITH, THUYA BATHOLITH, TAKOMKANE BATHOLITH, AND SIMILAR GRANITIC ROCKS: QUARTZ MONZONITE, GRANITE AND GRANODIORITE, QUARTZ DIORITE AND DIORITE, GABBRO, FELDSPAR PORPHYRY, MINOR PEGMATITE, APLITE, AND ULTRAMAFIC ROCKS

SYMBOLS

GEOLOGICAL BOUNDARY
NORMAL FAULT
THRUST FAULT
STREAM SAMPLE SITE

MINERAL DEPOSITS AND PROSPECTS

Generalized geology derived from Geological Survey of Canada, Map 1278A (Bonaparte Lake) for grouping of geochemical data based on rock type. A four-letter mnemonic name indicates the rock type, and a two-digit number indicates its age.

For locations of mineral occurrences in this area, refer to British Columbia Ministry of Energy, Mines and Petroleum Resources, Mineral Inventory (MI) Map 92P (Bonaparte Lake).

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GEOLOGICAL SURVEY
COMMISSION GÉOLOGIQUE
OTTAWA

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Mineral Resources Branch
Ministry of Energy, Mines and Petroleum Resources
Technical Assistance and Data Processing by
Geological Survey of Canada
Resource Geophysics and Geochemistry Division

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Other sediment chemical analyses by Chemex Labs. Ltd.
Water chemical analyses by Min-En Laboratories Ltd.

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