



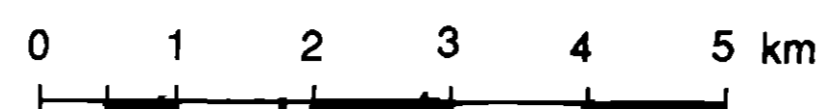
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# GEOLOGICAL COMPILED MAP, NORTHERN KOKANEE AND SOUTHERN QUAZ RANGES

MTS REF. H3K

GEOLOGY BY G. BAUDON



### LEGEND

#### Lithostratigraphy

**Eocene**  
E1 Diabase (hornblende) composition  
E2 Felsic dykes  
E3 Lamprophytic and gabbroic dykes

**Paleocene-Eocene**  
P1a Ladinian Gneiss  
Paleocene biotite quartz monzonite to granite

**Pre-Paleocene-Eocene**  
qM Quartz monzonite or hornblende-biotite quartz monzonite

**Upper Cretaceous**  
uM Meliocratic biotite-hornblende supra granitoidic gneiss, melanocratic granitoid dykes

**Cretaceous**  
Kq Spineliferous quartz monzonite and biotite-muscovite leucogranite

**Middle Jurassic**  
mJN1 Nelson Batholith  
mJN2 Felsic or quartz porphyry, felsic dykes  
mJN3 Diabase, porphyritic biotite diorite, and hornblende diorite  
mJN4 Quartz monzonite  
mJN5 Biotite granite to gneissoid  
mJN6 Hornblende potassic feldspar porphyric granite  
mJN7 Potassium feldspar porphyric granite

#### Upper Triassic-Middle Jurassic

Td Davis Ridge diorite  
Tm Pyroxene-plagioclase diorite porphyry  
Tn Hornblende-monzonite, quartz monzonite, granitic gneiss

**Pre-Middle Jurassic**  
m1 Quartzofeldspathic and pelitic schist and gneiss, amphibolite, migmatite, calc-silicate rock, and quartzite

**Lower Jurassic**  
Lr Kootenai Group (undivided)  
Lr1 Metasedimentary rocks, siltstone porphyry, argillite  
Lr2 Felsic porphyry  
Lr3 Quartz lens porphyry

**Paleozoic-Triassic**  
P-MeMelo Lakes Belt  
Serpentinitic and calcareous schists, amphibolite, and ultramafic rocks

**Upper Triassic**  
Ts Shuswap Group (undivided)  
Tap Graywacke, siltstone, sandstone  
Tq Limestone  
Tt Turf

**Lower Permian**  
PwMarten Conglomerate  
Pw1 Polysynclinal conglomerate  
Pw2 Whitewater Diorite  
Pw3 Hornblende Diorite  
Pk Kato Group  
Chlone and hornblende schists and gneiss  
Pkd Kane Creek Diorite  
Hornblende diorite

**Mississippian-Lower Permian**  
Mw Midford Group (undivided)

#### Middle Cambrian-Middle Devonian

IP1 Laramie Group (undivided)  
IP1a Micaceous quartzite and gneiss, gray phyllite, mica schist and siltstone matrix

IP2 Broadview Formation  
Oxy quartz mica phyllite, gneiss, quartzite, and quartz pebbled conglomerate

IP3 Inverly Formation  
Massive hornblende gneiss, pillow lava, chloritic phyllite, siltstone matrix

IP4 Inverly Formation  
Massive hornblende quartzofeldspathic schist and gneiss, calc-silicate gneiss

IP5 Inverly Formation  
IP5a Calc-silicate gneiss with amphibolite schist, marble, and gray phyllite  
IP5b Hornblende gneiss, amphibolite  
IP5c Hornblende schist and gneiss

**Lower Cambrian**  
ICM1 Badkosh-Mohican formations (undivided)  
White and gray crystalline marble, calc-silicate gneiss, mica schist, quartzofeldspathic gneiss  
ICM2 Badkosh Formation  
Calcite, marble, dolomite  
ICM3 Mohican Formation  
Calcareous schist, quartzite  
ICM4 Inverly Group  
Hornblende quartzite, biotite-quartz, quartzofeldspathic schist and gneiss

#### Hydrorjan

Widener Supergroup  
Wm1 Moon Formation  
Oxy phyllite, black argillite, phyllite, quartzite  
Wm2 Lynde Volcanic Formation  
Massive to silty greenstone, mafic tuff, phyllite  
Wm3 Tobo Formation  
Felsic conglomerate, quartzite, and pelite

**Helikian**  
Hh1 Supergroup  
Hh2 Duct Creek Formation  
Thin argillite and argillaceous gray siltstone, shaly interbedded dolomite

#### Symbols

U Unconformity contact  
F Fault or shear zone: a) Normal; b) Thrust  
a) b)  
F Fold axis, anticlinal, overturned anticlinal

#### Note

This geological compilation map has been compiled from existing geological maps. Geological contacts were not marked in the field and lithostratigraphic units are those defined in the original geological maps. The reader should refer to the original maps for detailed descriptions of the units and structures. Geological symbols used in this compilation are listed in the reference.

Scale: The compilation is made from maps with variable degree of detail. All geological contacts are drawn in full line and one symbol is used for faults and shear zones. "a" and "b" symbols made by the author are drawn in broken line.

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#### Schematic stratigraphic column

