

MESOZOIC

UPPER CRETACEOUS
LkSm SOPHIE MTN FORMATION coarse conglomerate with quartzite and/or siltstone clasts, minor argillite
LOWER CRETACEOUS
IkG granite, quartz porphyry
MIDDLE TO LATE JURASSIC
mJn NELSON INTRUSIONS includes Nelson, Bonnington (mjb), Trail (mjT), and Mackie (mjM) plutons; porphyry, monzonite, granodiorite, quartz monzonite and minor diorite porphyry and breccia
MIDDLE JURASSIC
mJsk SILVER KING INTRUSIONS plagioclase porphyry
Up diorite, meta-diorite, pyroxenite
LOWER JURASSIC
lJrn ROSSLAND MONZONITE biotite/biotite-dugite monzonite
Jdi diorite
IJr ROSSLAND GROUP mafic to intermediate flows and tuffs, tuffites, argillicous siltstone, turbiditic sandstone, minor pebble conglomerate and subvolcanic intrusions
IJh HALL FORMATION argillite, carbonaceous siltstone; minor pebble conglomerate and carbonate
IJe ELISE FORMATION mafic to intermediate porphyritic breccia; mafic to intermediate tuffs, tuffites
IJes Elise sedimentary rock argillicous siltstone
IJeu Upper Elise Formation basaltic flows, tephri-igneous, apatite, crystal and feldspar tuff, tuffaceous siltstone and conglomerate
IJel Lower Elise Formation basaltic flows and flow breccias, basaltic pyroclastic breccia, minor basic to andesitic crystal and fine tuff
IJa ARCHIBALD FORMATION argillite, turbiditic siltstone, conglomerate and minor maroon siltstone

PALEOZOIC

Pms metasedimentary rock, limestone
PENNSYLVANIAN TO PERMIAN
Pmr MOUNT ROBERTS FORMATION siliceous siltstone, argillite, silty chert; minor sandstone and limestone or dolomite
UPPER MISSISSIPPIAN TO LOWER PERMIAN
Mm MILFORD GROUP siliceous argillite and phyllite, grey limestone; chert
LOWER CAMBRIAN
Cs ORGANIC ROCKS argillite, silty argillite, siltstone; minor limestone (probably equivalent to Pms)
UM ULTRAMAFIC ROCKS serpentinite, minor dunite

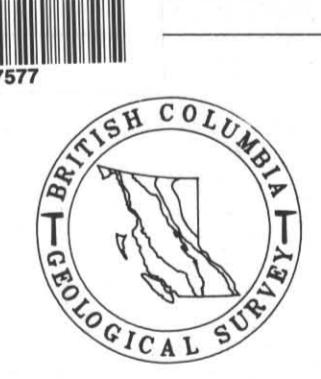
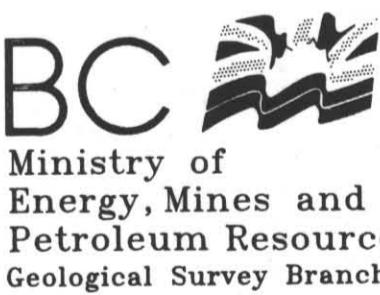
LOWER PALEOZOIC
Oa ACTIVE FORMATION black argillite, slate; minor limestone, block phyllite and schist
mEn MELWAY FORMATION siliceous argillite, silicate phyllite and phyllite
LOWER CAMBRIAN
lCb LAIR FORMATION argillite, argillite, slate, minor dolomite, dolomite; Reeves (Bodshot) limestone member
LOWER CAMBRIAN TO LATE PROTEROZOIC
lCh HAMIL GROUP argillite, micaceous schist, quartzite, argillaceous quartzite; Renz and Quartz Range Formations

PRECAMBRIAN
LATE PROTEROZOIC Windermere Group
Wtm grit and quartzite, minor schist, limestone, argillite and phyllite
Lower Windermere Group: Rossland, Rossland Sisters and Monk Formations

Lower Jurassic and Upper Triassic (?)
lJy VIRE GROUP argillite, siltstone, grit, impure limestone; minor chert, wacke; generally rusty weathering

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- ACKNOWLEDGMENTS: Cartography by A.R. Pettipas, discussion with J.Einoras.



OPEN FILE 1991-16
GEOLGY OF THE TRAIL MAP AREA SOUTHEASTERN BRITISH COLUMBIA
NTS 82F/3,4,5,6
Andrew, K.P.E., Hoy, T. and Simony P.
SCALE 1:100,000

0 10km

SOURCES OF DATA
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