

LEGEND

This legend is common to maps 1635A, 1636A, 1637A, 1638A,  
coloured legend blocks indicate map units that appear on this map

OVERLAP ASSEMBLAGES

TERTIARY  
TI Lamprophyre

JURASSIC AND CRETACEOUS  
JKLR LITTLE RIVER STOCK: granodiorite and quartz monzonite

PERMIAN OR YOUNGER  
Pp Quartz porphyry rhyolite

QUESNEL TERRANE

TRIASSIC AND JURASSIC  
NORIAN AND (?) YOUNGER  
QUESNEL RIVER GROUP (uTa1, uJb)

Tjb Augite porphyry basalt breccia, minor flows, tuff and tuffaceous  
erglise; local andesitic basalt

Tja Basaltic tuff and breccia, generally fine grained; argillite,  
flows, chert

UPPER TRIASSIC  
KARNIAN AND (?) NORIAN  
Phyllite, argillite, silty argillite, quartzite, schist, minor greenstone  
(subgreenish) to amphibolite (kyanite) facies of metamorphism);  
Tja, conglomerate

uTa1 Undivided, Ta, and greenstone, augite-porphyry breccia, tuff,  
breccia, tuff; possible dykes and sills (subgreenish and  
greenish facies of metamorphism)

SLIDE MOUNTAIN TERRANE

UPPER PALEOZOIC  
MISSISSIPPIAN TO PERMIAN  
uPA SLIDE MOUNTAIN GROUP (PMub-IPa)

ANTLER FORMATION: pillow basalt, breccia, diorite, chert,  
greywacke, (minor limestone); uPa, serpentinite; uPs, chert,  
minor basalt and diorite

uPc CROOKED AMPHIBOLITE: undifferentiated; uPc, serpentinite and  
sheared ultramafic rock; uPc, talcose altered ultramafic  
rock; uPc, amphibolite

PALEOZOIC OR MESOZOIC  
PMub Serpentinite and peridotite (as mapped by Campbell, 1978)

BARKERVILLE TERRANE

LOWER PERMIAN  
PS Sugar limestone: grey crinoidal limestone, minor grey chert

UPPER PALEOZOIC?  
SNOWSHOE GROUP (Fe-IPm)

ISLAND MOUNTAIN AMPHIBOLITE: amphibolite, minor siliceous  
mylonite

uPSC Orange weathering fuchsite-bearing ankeritic carbonate

uPHM Hardensable Mountain succession: black slate and phyllite, grey  
micaceous quartzite, limestone, minor metatuff; PHM,  
greywacke, muddy conglomerate

PALEOZOIC?  
PB Bracco succession: marble

PI Foliated diorite and augite porphyry basalt, gabbroic rocks;  
includes undifferentiated diabase, diorite

PALEOZOIC  
QUESNEL LAKE GNEISS

POl Light yellow potassium feldspar porphyritic granitic orthogneiss

PALEOZOIC  
SNOWSHOE GROUP (Hr-Fe)

PE Eggleston succession: olive and grey micaceous quartzite and  
phyllite

PD Downey succession: olive and grey micaceous quartzite and  
phyllite, and undifferentiated rocks; Po, amphibolite, includes some  
marble, schist and schist; Po, marble, includes some  
phyllite, schist, quartzite and amphibolite; Po, phyllite, schist,  
schist, marble, and some quartzite; Po, marble, includes some  
phyllite, schist, quartzite and amphibolite; Po, phyllite, schist and  
metaphase, metadiorite, includes some marble, phyllite, schist and  
amphibolite; (metamorphism ranges from chlorite to kyanite  
grade)

PA Agnes succession: quartzite clast conglomerate, quartzite, minor  
limy conglomerate

PGP Goose Peak succession: quartzite, minor conglomerate

PHR Harvey Ridge succession: dark grey and grey micaceous  
quartzite, black quartzite and interbedded dark grey phyllite,  
schist, slate, and minor micritic limestone and undifferentiated  
rocks; PHR, limestone and limestone conglomerate; PHR,  
purple grey very micaceous quartzite and black phyllite; PHR,  
grey slate and green metatuff, in part calcareous

HADRYNIAN OR PALEOZOIC  
HPT Tom succession: olive grey micaceous quartzite, phyllite and  
schist

HADRYNIAN?

Kelley succession: grey and olive, fine micaceous quartzite and  
phyllite, and minor marble; Htm, marble, phyllite; Htsp, grey and  
green phyllite, minor olive quartzite; Htq, white to dark grey  
quartzite

HK Khan marble: marble, calcareous sandstone, micaceous  
quartzite, green and grey phyllite, in part calcareous

HT Trellis succession: grey and olive-grey micaceous quartzite,  
phyllite and schist; undifferentiated HTg, conglomerate

HR Remos succession: olive and olive-grey micaceous quartzite,  
phyllite, light brown and grey sandstone and undifferentiated  
rocks; Hrs, phyllite, schist, quartzite, calc-silicate rocks, may be  
partly equivalent to Hke; Hrc, limestone, calcareous quartzite;  
Htp, black slate, phyllite and slate, may be partly equivalent to  
Pvt; Hng, olive and grey slate and micaceous quartzite, may  
be part of Hke

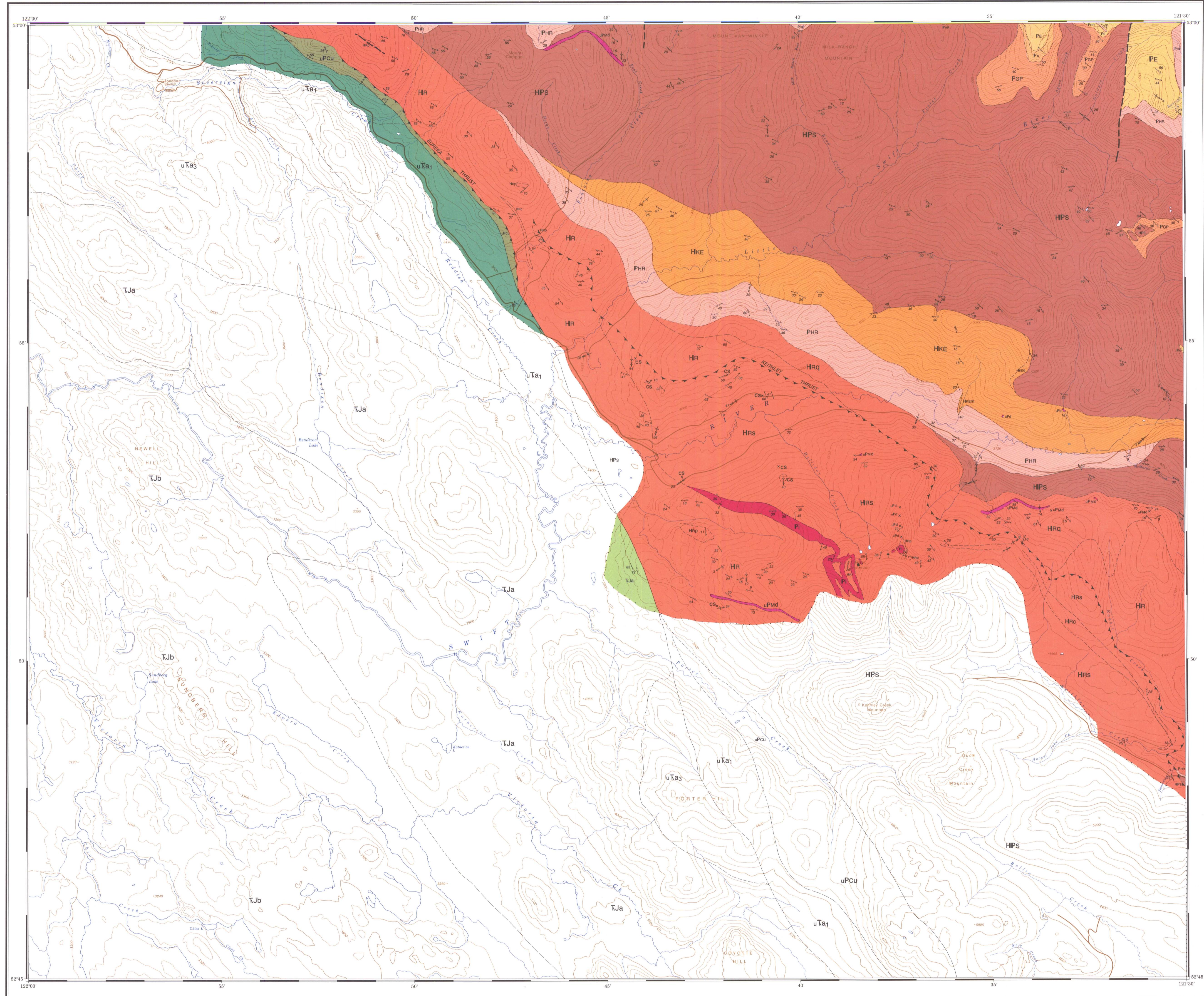
HPS Snowshoe Group undifferentiated: Hn to Pn, mainly Phn to Pe

REFERENCES

Campbell, R.B.  
1978: Quesnel Lake (33A) map area, Geological Survey of Canada, Open File 574.

Campbell, R.B., Mountney, J.W., and Young, F.G.  
1973: Geology of the McBride map area, British Columbia, Geological Survey of Canada,  
Paper 72-35.

Recommended citation:  
Struik, L.C.  
1988: Geology, Swift River, Cariboo Land District,  
British Columbia, Geological Survey of Canada,  
Map 1637A, scale 1:50 000.



MAP 1637A

GEOLOGY

SWIFT RIVER

CARIBOO LAND DISTRICT

BRITISH COLUMBIA

Scale 1:50 000 - Échelle 1/50 000

Kilometres 1 0 1 2 3 4 Kilometres

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Approximate magnetic declination 1986, 23°01' East,  
decreasing 14.8 annually.

Elevations in feet above mean sea level

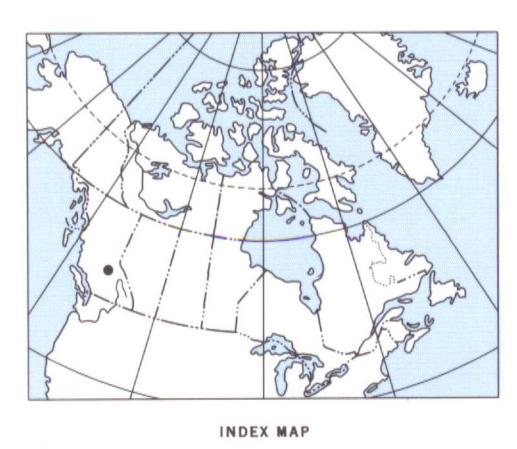
93G8	93H5	93H6	93H7
93G9	93H4	93H3	93H2
93B16	93A13	93A14	93A15
93B9	93A12	93A11	93A10

NATIONAL TOPOGRAPHIC SYSTEM REFERENCE AND INDEX  
TO ASSOCIATING GEOLOGICAL SURVEY OF CANADA MAPS

SWIFT RIVER  
CARIBOO LAND DISTRICT  
BRITISH COLUMBIA

1637A

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Geology by L.C. Struik, 1977-1982

Geological cartography by D.G. Brown, Geological Survey of Canada

Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada

Base map at the same scale published by the Surveys and Mapping Branch  
in 1976. Roads were revised by the Geological Survey of Canada for this edition

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