



BC
Ministry of Energy, Mines and Petroleum Resources

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Geological Survey Branch
OPEN FILE 1995-3
**GEOLOGY OF THE GOLDSTREAM MINE AREA,
NORTHERN SELKIRK MOUNTAINS**
NTS 82M/9
J. M. Logan, G. Gibson and M. Colpron
Scale 1:10 000

Metres 0 200 400 600 800 1000 Metres

- LEGEND**
- INTRUSIVE ROCKS**
- EARLY CRETACEOUS
GOLDSTREAM PLUTON
EKmg Medium to coarse-grained hornblende-biotite quartz monzodiorite; medium to coarse-grained biotite granite; locally, pink megacrystic granite; minor aplite dikes
- LAYERED ROCKS**
- CAMBRIAN (?) TO DEVONIAN (?)
LARDEAU GROUP
INDEX FORMATION
- IP1gr Medium to coarse-grained quartz grit; laminated micaceous quartzite; brown weathering calcareous grit; muscovite-quartz (biotite) schist; light to medium green siliceous phyllite with buff weathering diastrophic horizons
- IP1tm Light grey marble; tan weathering marble; calcisclastic
- IP1cs Medium to dark green chlorite schist; aphanitic amphibolite and massive metabasalt flows and sills
- IP1mq Light brown calcareous muscovite-biotite schist, micaceous quartzite and siliceous phyllite; locally contains andalusite porphyroblasts
- IP1gz Garnet zone; iron-manganese-silica replacement/exhalative horizon (spessartine, granite, iron sulphides)
- IP1bp Graphitic phyllite and schist; dark grey to black calcareous phyllite, siliceous green phyllite, minor dark grey marble
- IP1im Medium to dark grey banded marble; black limestone
- NEOPROTEROZOIC
HORSETHIEF CREEK GROUP
PHCep Grey and green calcareous phyllite and fine grained grit, locally intercalated with dark grey and brown weathering marble, micaceous quartzite; minor greenschist
- AGE UNCERTAIN
XENOLITHS AND PENDANTS IN GOLDSTREAM PLUTON
- sk Garnet-dioapsid skarn, marble; minor biotite schist and quartzite
- qs Dark grey quartzite; dark grey and lavender quartz-biotite schist
- SYMBOLS**
- Outcrop
Geological contact (defined, approximate, assumed)
Bedding (inclined)
Igneous foliation (inclined)
Dominant foliation (inclined, vertical)
Crenulation cleavage (inclined, vertical)
Intersection lineation (plunge indicated)
Crenulation lineation (plunge indicated)
Second crenulation (plunge indicated)
Axis of tight-isoclinal folds (vergence unknown, counterclockwise, clockwise, symmetrical)
Axis of late, open folds (plunge indicated)
Mineral or stretching lineation (plunge indicated)
Apparent dip of dominant foliation (in cross sections)
Thrust fault; teeth indicate upthrust side (approximate)
Shear zone
Axial trace of upright antiform
- REFERENCES:**
- Colpron, M., Logan, J. M., Gibson, G. and Wild, C. J. (1995): Geology and Mineral Occurrences of the Goldstream River Area (82M/9 and Part of 10); B.C. Ministry of Energy, Mines and Petroleum Resources, Open File 1995-2, 1:50 000.
- Logan, J. M. and Colpron, M. (1995): Northern Selkirk Project - Geology of the Goldstream River Map Area (82M/9 and Parts of 82M/10); in Geological Fieldwork 1994, Grant, B. and Newell, J. M., Editors, B.C. Ministry of Energy, Mines and Petroleum Resources, Paper 1995-1.

