



Geology of the Iron Mask Batholith

Open File Map 2006-11

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Scale 1 : 25 000

LEGEND

- INTRUSIVE ROCKS**
quartz-feldspar porphyry: qfp
Latest Triassic Iron Mask Batholith
Sugarloaf: porphyritic hornblende diorite: LTrIMS
Cherry Creek: biotite monzonite to monzodiorite: LTrIMC
Pothook: coarse biotite pyroxene diorite: LTrIMP
Hybrid: xenolith-rich Pothook or Sugarloaf phase: LTrIMH
Afton underground ore zone: >0.5% Cu equivalent
- LAYERED ROCKS**
Unnamed Miocene Volcanic rocks
vesicular basalt flows and tuff: Mivb
Eocene Kamloops Group
undivided alkaline volcanic rocks: EKav
Late Triassic Nicola Group
undivided volcanic and sedimentary rocks: LTrN
augite porphyry and polythitic breccia: LTrNpx
feldspar>pyroxene-porphyrific lapilli tuff: LTrNpft
polythitic lahar, including mineralized clasts: LTrNvl
picrite flow, breccia: LTrNop
coarse augite porphyry: LTrNap
feldspar>pyroxene volcanoclastic: LTrNps
sediments with augite porphyry source: LTrNfs
Nicola/IronMask - subvolcanic-volcanic breccia: LTrNIM
Nicola sedimentary facies: mainly siltstone, lesser basalt,
chert, minor limestone and ultramafite: uTrNs
- SYMBOLS**
Contact defined
Contact approximate
Contact assumed
Fault-defined
Fault-thrust
Unconformity-assumed
Unconformity-assumed
Outcrop area
Isolated outcrop
- Minfile Status**
..... Developed Prospect
..... Past Producer
..... Prospect
..... Shaft
..... Showing
..... Diamond Drill Hole collar
..... Adit
- Bedding, inclined
..... Bedding, vertical
..... Bedding, tops known
..... Bedding, overturned
..... Brittle shear
..... Vein
..... Vein, vertical
..... Foliation, 1st phase
..... Foliation, first phase, vertical
..... Foliation, second phase
..... Igneous flow layering
..... Diike
..... Diike, vertical
..... Mineral lineation
..... Slickenside
- Argon 40/39 isotopic age determination site
Uranium/Lead isotopic age determination site
Urban areas
Water course
Lakes
Marsh
Land Cover
20m contour lines
Spot elevations
Roads
1 Lane
2 Lanes
3 Lanes
4 Lanes

