



SYMBOLS

- Limit of outcrop
- Geological boundary (defined, approximate assumed, covered)
- Bonding (inclined, vertical, horizontal)
- igneous flow banding (inclined, vertical)
- Pillow lava
- Few contacts
- Schistosity, gneissosity, foliation (inclined, vertical)
- Shear band
- Unleached (horizontal stretching, and rodding)
- Joint (inclined, vertical)
- Anticline, syncline
- Minor fold axis
- Fault (defined, approximate, covered, dot on down-dropped side)
- Unleached
- Gossan
- Cross-section line
- Breccia zone

LAYERED ROCKS

- QUATERNARY**
Q Unconsolidated sand and all deposits of alluvial, glacial, lacustrine, fluvial and eolian origin
- CRETACEOUS**
LATE CRETACEOUS
CAMAHOOKS GROUP
LKC Creamy white to buff, tuffite, conchoidal fractured beds, dolomite and siliceous
LKG Dark purple-green and grey-green, massive and blocky bedded, well laminated, locally brecciated, angular and sub-angular pyritic sandstone and siltstone, well sorted, with abundant and scattered pyritic nodules
- UPPER CRETACEOUS TO UPPER JURASSIC**
TANTYLIS FORMATION
JKT Dark tan and buff weathering, interbedded brown dolomite sandstone, quartz-siltite, shale, chert-pebble conglomerate and hornfels, with common coaly plant fragments and lesser shale fragments

JURASSIC

- EARLY TO MIDDLE JURASSIC**
LABERGE GROUP
LJg Dark, rusty weathering, hornrocky, block-bedded to massive, well rounded, polyhedral, chert-supported dolomite, carboniferous with interbeds of pebbly sandstone and greywacke. Cherts are derived largely from Lames River Group volcanic and sedimentary rocks, as well as late Triassic granite bodies
- UPPER JURASSIC**
JLs Dark, rusty weathering, grey-green, poorly bedded, medium to coarse-grained (diagenetic) sandstone, greywacke, grit and lime to limestone sandstone, locally minor weathering

TRASSIC

- UPPER TRIASSIC**
LEMES RIVER GROUP
ANSALA FORMATION
UTA Poorly bedded, heterolithic, redox-sedimentary assemblage of interbedded sandstone, greywacke, volcanic flows and breccia, tuff, conglomerate, mic sandstone and siltstone. Locally, medium weathering
- POVOVS FORMATION**
UTP Reddish, massive dark weathering, quartz to black, fine-grained, fine to medium grained, medium to coarse-grained, siliceous, blocky to brownish, powdered form, tuff and agglomerate with massive dark green, medium to coarse-grained sandstone and siltstone
- Tahiti Deformation Zone**
UTm Highly deformed to tectonically deformed, heterolithic, reddish to black, medium to coarse-grained, sandstone, siltstone, shale, and conglomerate, locally amphibolite, amphibolite gneiss, amphibolite, amphibolite gneiss
- UTm**
As described above with light grey weathering, siliceous dolomite, fine-grained, redox-quantitative, white to black, massive, and siliceous dolomite, white to black, massive, and siliceous dolomite
- UTp**
Reddish, massive dark weathering, quartz to black, fine-grained, fine to medium grained, medium to coarse-grained, siliceous, blocky to brownish, powdered form, tuff and agglomerate with massive dark green, medium to coarse-grained sandstone and siltstone
- UTc**
Reddish, yellow weathering, coarse crystalline, massive dolomite, minor calcic silicates
- UTm**
Inocuous, light grey weathering, coarse crystalline, white shaly dolomite, minor calcic silicates and shaly
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INTRUSIVE ROCKS

- TERTIARY EARLY EOCENE**
Lb Brown weathering, resistant, wedge- and hornblende-pyric dolomite
Lb Dark weathering, strombolite and dolomite, generally with orange to red weathering
- LATE PALEOCENE**
LAP Annie Ned Granite 67,610.0 Ma, see Armstrong and Ghosh, 1988 and Morrison et al., 1979; Orange and curdy weathering, massive, locally massive, coarse-grained, amygy quartz-pyrite dolomite with widely spaced and horizontal pipes
- LATE PALEOCENE**
LAP Annie Ned Granite 67,610.0 Ma, see Armstrong and Ghosh, 1988 and Morrison et al., 1979; Orange and curdy weathering, massive, locally massive, coarse-grained, amygy quartz-pyrite dolomite with widely spaced and horizontal pipes
- PLUTONIC SUITE**
LPG Light orange and grey weathering, low bedded, laminar with widespread phenocrysts, locally contains coarse of Lame River gneissoid dolomite and quartz veins
- LPG**
Coarse-grained orange, felsic and sandy quartz-pyrite dolomite, locally cross-bedded
- MID-CRETACEOUS?**
Lmg Dark grey weathering, resistant, strongly chloritized and locally etched, blocky dolomite
- TRIASSIC LATE TRIASSIC**
LguL Little River Batholith: Heavily vesicular, grey weathering, massive, locally massive, coarse-grained, amygy dolomite with pink to red weathering, locally massive, coarse-grained, amygy dolomite with widely spaced and horizontal pipes
- LguL**
As above with coarse and predates of Lame River Group volcanic rocks and dolomite assemblage
- AGE UNCERTAIN**
QG Dark grey weathering, medium-grained, chloritized, calcareous quartz dolomite dolomite

MINERAL OCCURRENCES

- Yukon Minefile No. Name Deposit Type
45 INGRAM (actually on 109D/12)
* STONY Zn stem
81 * FARM
82 * CALVIN
87 * CALVIN
117 * THROT
138 * HIRTY-SEVEN
105E8 * RUTH Cu skarn

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ACKNOWLEDGEMENTS:

Discussions with Steve Johnson, Derek Tronkerson and John Deke have resulted in an improved map. Paul VandenRand and Kelly Olson assisted with the final map production.

PRELIMINARY GEOLOGY OF THIRTY-SEVEN MILE CREEK MAP AREA, SOUTHERN YUKON TERRITORY, NTS 105 D/13

Open File 1993-4 (G)

Exploration and Geological Services Division
Yukon Region

India and Northern Affairs Canada
Exploration and Geological Services Division
Yukon Region

Canada/Yukon Mineral Development Agreement
Geoscience Office

Comp. J.R. Hart
C.I.R. Hart
G. J. R. Hart

Copies of this map may be purchased from: Exploration and Geological Services, Indian and Northern Affairs, 200 Range Road, Whitehorse, Yukon Y1A 5V1.