

PROVISIONAL LEGEND

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Postmineral mafic dykes

INTENSELY ALTERED ROCKS (LOWER JURASSIC?)

- 913** Green, dominantly chloritic altered rocks (<sup>propylitic</sup> alteration)
- 942** Pale quartz, sericite (+chlorite), pyrite schist (metaphyllic (+meta-argillic?) alteration)
- 939** Pale, massive, hard silicified and feldspathized rocks (potassic, sodic, and/or siliceous alteration and pale pyritic hornfels)

MITCHELL INTRUSIONS (LOWER JURASSIC?)

- 926** Syenite and monzonite porphyry, aplitic maroon granite; 7a) Sulphurets sodic (albite, hornblende) porphyry; 7b) potassic monzonite; 7c) low-silica, maroon, aplitic granite; 7d) Premier (two-feldspar) porphyry; 7e) post(or late?)-mineral, magnetite-bearing monzonite
- 932** Plagioclase-hornblende porphyry (diorite, monzodiorite, monzonite)

LAYERED ROCKS

LOWER, MIDDLE AND UPPER JURASSIC  
BOWSER LAKE GROUP

- 945** Greywacke, siltstone, mudstone, conglomerate, chert

~~LOWER AND MIDDLE JURASSIC~~

~~SPASINI GROUP~~

- 4** Salmon River Formation: 4a) rhythmically-bedded, mudstone, siltstone, greywacke; 4b) massive columnar-jointed, and/or pillowed, amygdaloidal, andesite; pillow breccia

LOWER JURASSIC

HAZELTON GROUP

- 910** Mount Dilworth Formation: dacite, rhyolite, felsic bedded tuff, welded tuff

- 909** Andesite, basalt, intermediate and mafic breccia, tuff, epiclastic rocks: 2a) interlayered greywacke, arenites, siltstone, conglomerate, mudstone, lithographic limestone chert

**Jack Formation**: fossiliferous limy sandstone, siltstone, mudstone, conglomerate, greywacke, carbonaceous mudstone

UPPER TRIASSIC

**STUHINI GROUP**  
volcanic sedimentary rocks

- 936** Greywacke, arenite, siltstone, mudstone, slate, conglomerate, breccia, pebbly mudstone, lithographic limestone, sedimentary, and volcanoclastic debris flows, pillow lava, and pillow breccia

geologic contact: defined, approximate, assumed.....

fault: defined, approximate, assumed, thrust fault.....

bedding.....

schistosity.....

abundant quartz (+carbonate, barite) veins (stockwork).....

- Ag - silver
- As - arsenic
- Au - gold
- Cu - copper
- Pb - lead
- Mo - molybdenum
- Zn - zinc
- py - pyrite
- po - pyrrotite
- Bar - barite

▲ U-Pb zircon dating sample

== road

AN bar scale  
UTM co-ordinates

Acknowledgment

Cartography by S. N. Roach

Preliminary Geology of the Brucejack Creek Area by S. N. Roach (West Zone, Golden) with contributions by R. V. Kuthan

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