

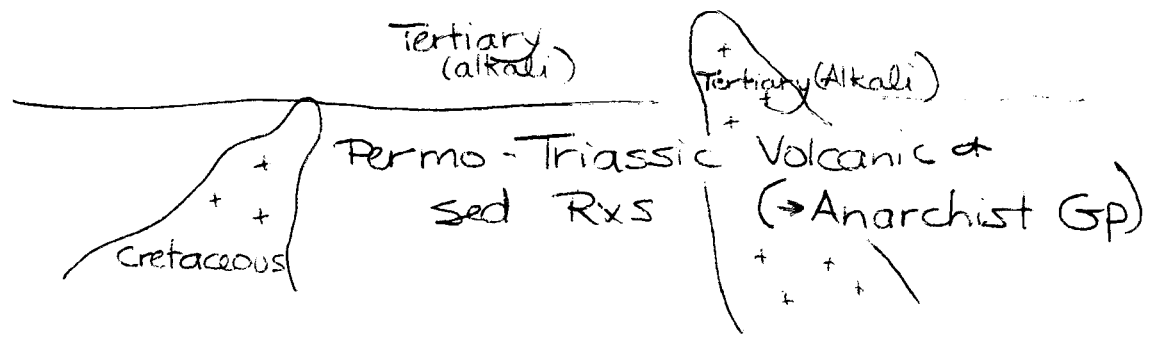
Jolly

Claims:

- Victoria
- Snowden
- Old England
- Lemon

Camp McKinney to the west
 (82 000 oz Au → 137 000 tons ore)

within Intermontane Belt



Anarchist → volcanosedimentary sequence
 1000 m thick

Cret. Intrusives
 Tert. Rxs Syenitic to
 Qz Latite Comp.

↑ Tuffaceous Sed. Sequence
 Sed Sequence
 Greenstone & Diorite

large fault, several smaller faults
trend N or NE

Two types alteration & mineralization :

1. Fissure vein filling
2. occurs over wide zone of sheared & altered volc. rx

Greenstone

→ light-dark green
 fine to v. fine grained
 calcareous
 highly sheared

schistose & talcose in part
 occurs within N, NE trending fault
 zone & several smaller subparallel
 fault zones

locally, well developed porphyritic texture
 outcrop. v. pale green, highly fractured & platy
 weathering.

→ light to dark green
 fine, crystalline tuffaceous greenstone
 varies to d. green, massive, fine-med.
 crystalline hornblende porphyritic diorite
 wkly developed foliation, trend NE
 and dip gently (low angle) to NW.

→ light green to dark brown
 fine crystalline, calcareous, argillaceous,
 contains minor marble bands

outcrop: blocky jointed & massive

wk foliation (// to bedding?) trends NE, dips low angle to NW

Argillite

occurs as narrow lenses within greenstone
dark brown & blocky

→ qz mica schist → dark brown with elongate qz knots, commonly to 10% of rx.

Foliation N NW → NE, dips to west

→ chert → light brown to buff, microcrystalline, forms narrow beds (to 6 cm thick)

trend NE, dip steeply to west
unit is blocky

Marble

light brown, tan

med - coarse ~~grained~~ crystalline

argillaceous in part & massively bedded

wk foliation, trends N NE & dips W

outcrop: rubbly & cavernous weathering in part

Orthogneiss

foliation strikes EW to NW & dips

vary from steep N to steep SW

well developed along fault contacts to older marble & (? grades) to light grey foliated hornblende granodiorite away from marble contacts.

Quartz Latite

tan - light buff

med - fine ~~grained~~ crystalline

rare qz eyes to 2mm across

outcrop - platy weathering with an earthy texture

may have minor interbeds of buff, coarse grained arkose with poorly developed graded bedding

Trachyandesite / Syenite

dark brown-red to brown } biotite, fs,

microcrystalline

red-brown + pink

medium crystalline ~~biotite syenite~~

} trachyandesite
grades to
biotite
syenite

weathers to pockeled rounded outcrops.

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large fault zone 010/80 E

~ 100 m wide

several smaller fault zones // the major fault to the W and N
(have sheared & brecciated the greenstone to a high degree)

second set of faults 070/65° N
offsets shears and gouge zones of the main fault zone

alteration within fault zones is of several ages

assoc. with main fault zone & sub-// N, NE trending faults → chloritization of greenstone; less well defined but common alt → ^{secondary} calcite as disseminated grains & veins and rare fissure filling qz veins

070° younger faults have separate wk silicification, hematite and locally apple green clay alteration assoc.

Mineralization:

010° trending fault zones → wk pervasive pyrite, rare chalcopyrite & gold in sheared & chloritized greenstone, banded fine to medium crystalline pyrite, arsenopyrite, galena, sphalerite & chalcopyrite with gold and silver values in fissure filling qz veins.

(6)

younger fault set - qz veins & silicified zones
with finely banded & disseminated pyrite that
have assoc. gold & silver values.