

NOTES ON ISL. Cu MINE

Trip w/ John Fleming, Pam Kawāka
Quartz feldspar porphyry dyke

- v. interdigitated w/ volcs, transgr. to gen'l trend.
- v. distinctive resorbed (v. well rounded) qtz xtals. White, m-c.g.
- alt'd at NW end by strong & distinctive dumortierite / pyrophyllite alt'n.

Mag. rel²

- gen'l pit is in mod. high mag but by no means high anomalous.
- mag/Cu rel² good in pit

Other metals

- Rh twice normal background.
- Au recovered from finer grained cp ore.

Other "ore"

- small deposit 1% Cu, otherwise similar but without major intrusive, up near Francis L., 1 mi or so NW

Structure:

Slight evidence of a S plunging gentle anticline, nose near centre of pit.

Altⁿ: The pyroph/dum. altⁿ may be "good ore indicator as any", but not itself highly mineralized.

Apatite present. Mod. abundant locally.

Recoveries: No recovery severely interfered with locally by locally abundant hydrocarbon (referred to as "Gilsonite".)