

Area ⑤

Manson Fault Zone. #13 14 K16 17

Number of Placer & lode deposits

All showings in Cache Ck. rocks, mainly within chert member.

Only showing observed not related to Linchi & Manson faults is Silverton property in Takla Rp.
(Spec. unknown)

Sidetrack - Southern Linchi not considered because lack of Au showings observed.

Refer to GSE. rept. of background values along Manson.

93KJG Not good because

(a) few showings except

(1) Radio Gold, Pichin 1k Hg 93k

(2) Hixon

93G.

↓ poor s/c exposure mainly.

Proposal

x

Area 2

① shell Gp.

Contains ⑧ Croydon Gp. + ② ③ ④ ⑤ 9 10 11 12 13

⑬ Polaris Gp.

Polaris Gp. underlain by complex assemblage of slaty argillites, impure limestones and cut by small, intermediate to acidic dykes.

Calc. argillites cut by network of qtz/calcite veins

Along with vein min^{erals} (py, po, asp, cpy) are several lens-like replacement bodies of po, w minor py & cpy.

Pros - Takla Gp. & lower E (Cache Ct?) sds appear to contain horizons suitable for replacement or disseminated ore deposition.

- Near major NW-trending fault (Northern extension of Manson?)
- Ultramafic bodies and Cretaceous intrusives border area of main gold-showing concentration.

Cons - All showings related to qtz veins & shears in Takla sds & Greenstones. although there are many showings in the area.

Majority of showings located at high elevations (above treeline)
No mercury assoc. In fact there appears to be no major structural control on deposits.

✓
14 & 15 between areas ② & ③

Area ③ To include Ruby Gp ②②
①②③④ + Vega Ck Glacier

19 }
20 } in Takla greenstones, andesites, argillites
21 } - lenses & veins in shear zones

19 } silicified shear zones containing py, asp, cpy, mag, spec.
20 }

① Vega Gp - Andesites altered to ankeritic carbonates.

Au/Cu w cpy, py, bo. both dissem. or w fracture filling
1/2 mile south, Hg. found in carbonatized / calcite stringers
at. along major fault zone.

② Ruby Gp. - Tenakihiki Gp highly contorted gtzites & gtz/mica schists.

Wide variety minerals including py, mo, sph, cpy, gal, fetr,
asp, pyras, polybasite.

Pros

Very high fault intensity. Properties related to subsidiary faults of the northern extension of the Manson fault.

Hg. assoc. w gold showings.

Extending southerly are members of the Cache Ck Gp impure limestones, Takla Gp (main Au host in the area)

Bounded west by Omneca intrusives, east by Tenakihiki Gp. gtzites.

Area ④ 'Northern' Pinchi fault.

- Mainly Annabon province (o.k.)
- Many subsidiary faults coming off Pinchi.
- Area of interest entirely underlain by Cache Ck. rocks except for small areas of ultramafics & Ommeica Int.
- Kay claims & Vital Ck. important. (Arguerite, etc.)
- Placer gold along fault (must be around)
- ⊗ - Pinchi - good channelway.
 - limited of exposure (see BCDM bulletins)
 - all 3 divisions of Cache Ck. ex. present although showings directly related to fault zone.
 - little mention of disseminated gold.

Mineralogy at Kay*

⊗ Silver, Vital, 'Kwanika Creeks - arguerite.

- hot springs

- massive l. stone

- intr. dykes

Barite @ Pinchi dt. Hg mine.

3,986 oz. placer Au from Vital Ck

3,986.00.

⊗ * All drain Mt. Grant Area.

3,986.00.

X
Aer ①

Interesting mainly because of mineralogy of gold bearing gravels on McConnell Ck.

Nuggets of gold are accompanied by Platinum, Paladium, Vanadium, Silver, and Mercury.

G.S.C. has suggested source area may lie to the north at the north end of McConnell range, near Thorne Creek.

dode deposits here occur in veins cutting greenstones; tuffs of the lower Takla gp.; assoc. w Cu, galena, po, pyrite, magnetite

- All deposits in greenstones. No mention of limestone or limy host rx.
- Min^{als} restricted to qtz veins.
- Adjacent to Omnicca Intrusive rocks.