

1840 0013

(112) Item 13

PROPERTY NAME: St. Pat claims

County: Eureka

OTHER NAMES:

Mining District: Fish Creek

MINERAL COMMODITY(IES): ? Fe, W?

AMS Sheet: Millett

TYPE OF DEPOSIT: Intrusive contact/shear

Quad Sheet: Bellevue Peak 15'

ACCESSIBILITY: Have to hike from road.

Sec. Uns. T 17N R 52E

OWNERSHIP: American Selco Inc.

Coordinate (UTM):

PRODUCTION:

North 4 3 5 9 5 7 5 m

HISTORY:

East 0 5 7 4 4 0 0 m

Zone +11

DEVELOPMENT: 1 N5W adit, partially caved at entrance. 20' above adit to north is a small prospect

ACTIVITY AT TIME OF EXAMINATION: None, altho area is flagged (flagging ~~is~~ 1 year old) and was soil sampled (small stakes in ground) Across the Valley from Wood Cone Peak to south we observed 2 large trucks on new roads(possibly a drilling operation).

GEOLOGY: The workings on a traverse from the access road up the E side of Wood Cone Peak we encountered, platey, silty carbonate rocks (at lower elevation) and a wide lateral expanse of clean, white and pink quartzites (at higher elevation).

In drainage just west of the workings an intrusive rock outcrops in rounded weathered pinnacles. E of the workings white to pinkish grey, finely crystalline limestone with quartzite (or silic) lenses from beds that range in width from an inch to 2 feet. The beds are generally north striking and dip 60°W.

The adit looks like it follows a shear zone in an Fe-stained coarse grained intrusive rock, at the portal, the intrusive is equigranular to porphyritic with coarse phenos of glassy quartz crystals and alkali feld. The composition of the intrusive is probably a quartz monzonite or a granite. Biotite flakes are relatively fresh altho some have oxidized rims. They occur as fine grained plates in the groundmass and are poikilolithically enclosed in feldspar phenos. The intrusive is highly fractured and Fe-stained and contains stringers of calcite and calcite gouge. Its sheared appearance at the portal can be attributed to a N-S striking, vertical to steeply dipping (to west) shear zone  $\approx$  3 or more feet wide the shearing may have been caused by intrusion or it may be related to a post-emplacement disturbance. A short distance away from the workings the "granite" is fresh with abundant unoxidized biotite.

On the dump we find various rocks including what looks like quartz vein. It is possible that a vein or aphanitic dike is present here also. We sample the altered intrusive (765) and the altered limestone host which is locally silicified and carries fine-grained disseminated pyrite.

REMARKS: Samples 764  
765

Photos

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 8/29/81