

3060 0018

PROPERTY NAME: IM claims

OTHER NAMES: \_\_\_\_\_

MINERAL COMMODITY(IES): Cu, Sb?TYPE OF DEPOSIT: Vein, contact, fracture fillings.

ACCESSIBILITY: \_\_\_\_\_

OWNERSHIP: ?

PRODUCTION: \_\_\_\_\_

HISTORY: \_\_\_\_\_

County: ElkoMining District: MerrimacAMS Sheet: WellsQuad Sheet: Singletree Creek 7 1/2Sec. 12, T 37N, R 53E

Coordinate (UTM):

North 4 5 5 2 1 0 0 mEast 0 5 8 7 4 4 0 mZone +11DEVELOPMENT: Two caved adits.ACTIVITY AT TIME OF EXAMINATION: None, although staking is fairly recent.GEOLOGY: Adits are developed in altered quartz monzonite or latite porphyry. The porphyry outcrops above workings & displays a well developed, steeply inclined joint system.

The dump consists of Fe-stained, sericitically to propylitically altered porphyry with quartz "eyes" set in a finely crystalline, light-colored groundmass. Fractures & quartz veins in the rock are coated with malachite & FeOx & the matrix contains oxidized cubes of pyrite. In some samples, sericite is abundant in the rock & the fractures & is associated with the Cu & Fe minerals. Several different types of igneous rocks were seen on the dump & the rocks showed varying degrees of alteration. Some of the intrusive rocks are bleached. The several lithologies observed here (including a dark grey, equigranular dioritic rock) may indicate the intrusive is locally cut by dikes.

However, the GSA Bull. geologic map shows the workings to be on the contact between latite & diorite intrusives.

A small amount of siliceous gossan was found which may contain yellow oxides after Sb.

REMARKS: Sample 188Photo.REFERENCES: GSA Bull., v. 70, no. 5, May 1959, p. 539-564.EXAMINER: Bentz/SmithDATE VISITED: 7/1/82