7370 0005

White Pine general Item 20

PROPERTY NAME: Unnamed Workings E of Diamond Peak

OTHER NAMES:

MINERAL COMMODITY(IES): Cu

TYPE OF DEPOSIT: Contact metasomatic, replacement

ACCESSIBILITY: Must hike to prospects from ridgecrest

OWNERSHIP:

PRODUCTION: Small to none

HISTORY:

County: Eureka

Mining District: Huntington Creek

AMS Sheet: Ely

Quad Sheet: Railroad Pass 15'

Sec. 25, T 25N, R 54E

Coordinate (UTM):

North 4|4|2|9|9|7|5 m

East 0|5|9|9|7|0|0 m

Zone +11

DEVELOPMENT: 1 partially caved, short N60W adit adjacent to small blasted area. (Sample locality). A short distance to the N is another open S20W adit≈20 meters long.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: The W side of the small blasted area where sample 433 was collected exposes a contact zone similar to the type on the W side of the range. Here a biotite/hornblend rich intrusive rock has locally marbelized and replaced the limestone country rock.

The intrusive rock is mostly fine-med grained, altho in places it is very finely crystalline and looks aplitic. Some of the exposures show oxidized mafics, but most of the rock is unaltered. The contact between the intrusive rock and the tactite is not well defined in the cut. The intrusive appears to pinch out and is lenticular in shape (sill-like). Possibly the rock is faulted, or this is just an isolated splay off the main igneous body.

Tactite (More appropriate skarn) can be seen in place below the igneous rock on the N & E sides of the working. It is composed mostly of very fine to coarsely crystalline green garnet. Where fractures cut the rocks the skarn contains abundant CuOxs and FeOxs. An unidentified yellow-green oxide coats the bleached limestone on the E wall near tactite.

The adit to the N exposes a grey crystalline, silicified limestone with irregular pods and fracture fillings of Cu minerals and oxides at its' entrance.

Unaltered limestone with chert nodules (Ely-Penn. Limestone) outcrop on ridgecrest to south of these workings.

REMARKS: Sample -433 - Garnetiferous tactite with CuOxs.
Larry R2 - #21, W view of intrusion-skarn contact
#22, NW view of blasted white limestone near intrusive contact
#23, W view of S20W adit near sample loc. 433.

REFERENCES:

EXAMINER: Bentz/Garside

DATE VISITED: 8/30/81