23:10 0009

White Pine Co - general Item 24

PROPERTY NAME: Unnamed Cu Prospect

OTHER NAMES:

MINERAL COMMODITY(IES): Cu, sulfides, Ba

TYPE OF DEPOSIT: Replacement along shear

ACCESSIBILITY:

OWNERSHIP: ?

PRODUCTION: Only producer in district

HISTORY:

County: White Pine

Mining District: Huntington Creek

AMS Sheet: Elko

Quad Sheet: Railroad Pass 15'

Sec. 31? T 25N R 55E

Coordinate (UTM):

North 4 4 2 8 7 7 5 m

East 0 6 0 1 3 2 5 m

Zone +11

DEVELOPMENT: 1 small prospect and 1 caved adit. Adit is downslope from prospect and is oriented in a SW direction to intersect mineralization at depth. Wooden frame at portal still standing but adit is caved.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Workings are on E side of the Diamond Range 1 mi SE of Diamond Peak. Host rock is the Diamond Peak Fm.

Adit and prospect explore shear zones in fine pebble conglomerate with interbeds of silty sandstones. The conglomerate contains quartzite pebbles suspended in a silty clay matrix. The sandstone beds are≈2-3' thick while the conglomerates are more massive. These rocks are part of the Diamond Peak Fm and appear to dip to the NE near the adit. (Jasperoid outcrops where silicification is most intense).

The upper prospect exposes a N15W, near vert. shear≈15-20 wide. (See photo). The rocks are silicified on both sides of shear and contain pods and coatings of hematite, manganese. CuOxs were noted on fracture surfaces on south side of this fault.

The caved adit exposes a wide fractured zone oriented N45E vertical with clay selvages. No mineralization was observed in the shear or on dump beneath adit.

The silicified rock on dump shows abundant veinlets and stringers of malachite, azurite and limonite. Chalcopyrite occurs in thin discontinuous stringers and pods in both the sandstone and the conglomerate. One sample contains milky white crystalline barite vein in a quartz and pyrite found on lower adit dump.

Sample 832 - Composed of rock described above.

Photo:

R2-#18 Shear zone in upper prospect.

REMARKS:

REFERENCES:

EXAMINER: Bentz/Tingley/Smith

DATE VISITED: 6/17/81