3060 0024

PROPERTY NAME: Sample location 186

OTHER NAMES: Baltimore?

MINERAL COMMODITY(IES): Cu, Zn, F?, Mo?, Ag?

TYPE OF DEPOSIT: Vein, altered intrusive

ACCESSIBILITY: Road to workings very overgrown & wet (in spring) Best to wlak.

OWNERSHIP: Balitmore Mine in sec. 11 is patented

PRODUCTION:

HISTORY:

(70) Item 24

County: Elko

Mining District: Merrimac

AMS Sheet: Wells

Quad Sheet: Singletree Creek 7 1/2

Sec. 11 , T 37N , R 53E

Coordinate (UTM):

North 4 5 5 1 6 4 0 m

East 0 5 8 5 9 7 0 m

Zone +11

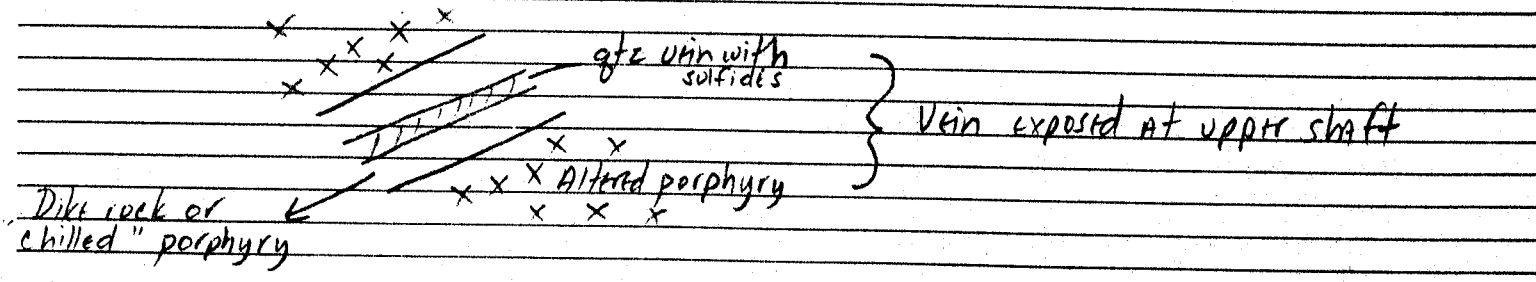
DEVELOPMENT: Lower west trending adit is almost completely caved. Shaft above it (sam. loc 186 is partially filled in. Headframe (on shaft) & track (extending from adit) still remain on property.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: The adit is vegetated & caved. THe dump rock consists of silicated limestone, altered intrusive rock & altered, pyrite-bearing diorite with abundant plagioclase phenocrysts.

The geology is better exposed at the shaft(Samp. loc. 186). The shaft is inclined to the west along the sharp contact between an altered aphanitic, Fe-stained, grey-colored dike * & a pyrite bearing, punky (kaolinized) quartz-eye porphyry. The dike rock intrudes its igneous host along a N5E, 70 W orientation. THe dike is about 4' wide & is more silicified & Fe-stained than the host rock. In the center of the dike there is a 10-12 " wide, massive, grey-white quartz vein which contains chalcopyrite, pyrite, CuOxs & possibly minor sphalerite. A dark purple mineral in the vein may be fine-grained fluorite Some brecciation is evident along the contact, but the quartz vein is relatively undisturbed. Fe & Mn oxides occur along the sharpley defined contact & the adjacent bleached quartz porphyry is cut by vertical Fe-stained fractures.

The workings are located in a body of altered Cretaceous diorite according to GSA Bull. geologic map. Because of their relative inaccessiblity , they probably have not been visited in a long time



REMARKS: * It is possible that the "dike" is just a silicified portion of the quartz porphyry, although no relict quartz eyes were observed within the more siliceous dike rock.

Sample 186 - Mineralized quartz vein & some gossan with hemimorphite

Photo

REFERENCES: Beautiful locality - lupines everywhere

GSA Bull., v. 70, no. 5, May 1959, p. 539-564

EXAMINER: Bentz/Smith

DATE VISITED: 7/1/82