

2840 0002

Lincoln Co. general Item 12

PROPERTY NAME: Sample location 786

County: Lincoln

OTHER NAMES: _____

Mining District: Little Mtn.

MINERAL COMMODITY(IES): Cu, Fe, Pb?, Ag?

AMS Sheet: Caliente

TYPE OF DEPOSIT: Shear zone in intrusive

Quad Sheet: Islen 7 1/2'

ACCESSIBILITY: _____

Sec. 12, T 4S, R 68E

OWNERSHIP: _____

Coordinate (UTM):

PRODUCTION: _____

North 4 1 6 6 4 5 0 m

HISTORY: _____

East 0 7 3 6 5 8 0 m

Zone +11

DEVELOPMENT: Two shafts and connecting shallow stopes. One shaft is shallow and caved, other shaft is about 15-20' deep and inclined to the SE.

ACTIVITY AT TIME OF EXAMINATION: None, but area is probably currently staked.

GEOLOGY: Workings are located on a shear zone in a continuous line extending for about 100' along strike. The host rock for the deposit is a medium-coarse-grained porphyritic diorite or quartz diorite which is part of the largest of three Tertiary aged dioritic intrusive stocks surrounding Little Mtn. (See ref. below). The stocks intrude "older" (Cretaceous) and "younger" (Tertiary) undivided volcanic rocks.

The shear zone explored by the workings strikes N55-60E, and is about 7-10' in width. The rocks in the zone are notably fractured and in places completely altered to clays (argillized). Epidote and Cu and FeOx are abundant in the zone as coatings on fracture surfaces. Irregular lenses of highly Fe-stained, dense, silicified material within the zone is composed of pods of magnetite, psilomelane, specularite and abundant Cu minerals, mainly malachite and chrysocolla with minor azurite. A sample of this type of mineralized rock was collected from the dump. Yellow and green oxides characterize the zone and may be a mixture of Cu minerals, FePO_4 , epidote or other alteration product. Adjacent to the fractured and mineralized zone the intrusive is bleached, slightly silicified, and epidotized or chloritized along fractures. Some of the intrusive displays cross-cutting Fe & magnetite veinlets less than 1" in width.

REMARKS: Some pink rhyolite found as float near workings.

Sample 786.

REFERENCES: Tschanz & Pampeyan, 1970, NBMG Bull. 73, Geologic map of Lincoln Co., NV.

EXAMINER: Bentz/Smith

DATE VISITED: 8/19/83