

2170 0003  
PROPERTY NAME: Good Hope Mine  
OTHER NAMES: Property is adjacent to Smugglers Claims;  
MINERAL COMMODITY(IES): Ag?, Au? *Good Hope mine encompasses mine property.*  
TYPE OF DEPOSIT: Quartz vein, shear  
ACCESSIBILITY:  
OWNERSHIP:  
PRODUCTION:  
HISTORY:

County: Elko  
Mining District: Good Hope  
AMS Sheet: Mc Dermitt *Item 3*  
Quad Sheet: Mt. Blitzen 15'  
Sec. 9, T 41N, R 49E  
Coordinate (UTM):  
North 4 15 19 0 4 0 0 m  
East 0 15 14 3 2 5 0 m  
Zone +11

DEVELOPMENT: Several shafts, now caved. One open shaft, very deep, filled with water.

ACTIVITY AT TIME OF EXAMINATION: None, altho entire area is staked.

GEOLOGY: The geology is poorly exposed in area of workings. However, the rock exposed in main shaft appears to be a highly altered, sheared andesite. Volcanic textures predominate but some possible "intrusive" textures were also observed. The grey-green andesite on the dump contains conspicuous altered plagioclase phenocrysts. Disseminated thru-out rock is fine-grained, unoxidized pyrite. Quartz vein material on dump is milky white to vitreous grey and contains clots of pyrite & unidentified silver blue metallic mineral. (Possibly a Ag or complex Sb sulfide?) Some of the vein material is brecciated.

In small prospect across the road & south of main shafts, the exposed andesite is bleached, silicified & Fe-stained. It is cut by several sub-parallel, 1/2-1" wide quartz veins which have a sugary white appearance. The veins are Fe-stained & strike approximately E-W, altho these particular veins did not appear mineralized. The rocks are sheared along a NE-striking, NW dipping shear zone which is highly Fe-stained.

REMARKS: Sample 1597 - Quartz vein & quartz vein breccia with sulfides. (& possibly Ag minerals)

Photo.

REFERENCES:

EXAMINER: Bentz/Brooks/Smith

DATE VISITED: 8/18/82