0740 0009

PROPERTY NAME: Penalas Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au, Ag

TYPE OF DEPOSIT: Epithermal, quartz fillings along a fault breccia

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: $898,629.00 by Penallas Mining between 1931-1942

HISTORY:

County: Nye Item 11 (217)

Mining District: Bruner

AMS Sheet: Millet

Quad Sheet: Burnt Cabin Summit 7 1/2'

Sec. _____, T 14N, R 37E Unsurveyed

Coordinate (UTM):

North 4 3 2 3 7 5 0 m

East 0 4 3 3 7 3 0 m

Zone 11

DEVELOPMENT: Relatively deep steeply (75 E) inclined shaft. A shaft shown on topo map 350m west of main mine is ◄100 m deep. Stopes near surface caved near main shaft.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: The mineralization is similar to other mines in the district. The mineralized samples on the dump are silicified rhyolite and cockade structure in quartz around breccia fragments of intrusive? rhyolite. Minor iron oxides and argillized rock were seen. The crush zone which is 1-3 m wide is a fault zone which trends about due N & dips steeply (85°?) east. A small amount of finely crystalline andesite was seen on the dump. A dike may be present (see below), but no outcrops of it were noted. The wallrock is all rhyolite locally brecciated or flow-banded. This Tertiary rhyolite may have horizontal flow banding in places, and might be partly flow, or all intrusive.

The shallow shaft 350 m west of the main mine (shown on topo sheet) has similar mineralization (although much weaker) along the south side of a N80W 90° 6m wide andesite dike. Similar rock was noted rarely on the dump of the Penalas mine.

(Quartz found around breccia fragments, wallrock rhyolite with minor iron oxides. Fault zone trending N & dips steeply east.)

REMARKS: Several areas of stopes near surface are caved. A part (15%?) of the dump has been removed probably 8-10 years ago. This area can be seen to the left of the vehicle in photo . A pile of old tailings & old mill foundation is on the site. Sample 403 from dump.

REFERENCES:

EXAMINER: L.J. Garside

DATE VISITED: 6 Aug 81