

0740 0014

PROPERTY NAME: Paymaster Mine

OTHER NAMES:

MINERAL COMMODITY(IES): Au, Ag

TYPE OF DEPOSIT: Epithermal, fault-breccia filling and stockworks

ACCESSIBILITY: New road from Lodi Valley (west) side

OWNERSHIP:

PRODUCTION: Small

HISTORY:

County: Nye ⁽²¹⁷⁾ Item 16

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	5	3	0	0	m
East	0	4	3	2	7	4	0	m
Zone	11							

DEVELOPMENT: Underground workings now destroyed by active open cut. Adit maybe accessible

ACTIVITY AT TIME OF EXAMINATION: Mining - one dump truck (photo 10) from open cut on top of hill (photo 8) ore is hauled to small mill 300m to the south.

GEOLOGY: Ore is presently being hauled from an open pit at the top of a Conical Hill. The structure is not obvious, due to the description by bulldozer. The alteration appears to be strongest along a north?-trending zone 20-40m wide in a Tertiary crystal-rich rhyolite intrusive rock. The mineralization consists of milky light grey chalcedonic quartz with free gold (not observed). The chalcedony fills small (0.1 - 10 mm) veinlets and narrow hydrothermal breccia zones which are irregularly spaced within the rhyolite. The strongest alteration is very fine-grained white mica?; much of the alteration is argillic with fracture coatings of iron-oxide minerals. Some supergene? kaolinite? fills small cavities. Silicification is important in a few areas. Supergene manganese oxides coat cracks in the chalcedonic veinlets and cavity fillings. Open-space textures are not obvious. The chalcedonic veinlets are also noted to follow narrow layers in 0.5 cm spherulites in the rhyolite tuff. Even veinlets of 2-3 mm in width will widen slightly and contain small wallrock fragments "floating" in milky chalcedony. Rhyolite contains phenocrysts of quartz feldspar & biotite. The north-trending zone interpreted to be the area of strongest alteration has some gouge? along it and is probably a fault. The rhyolite is spherulitic.

A large NE striking fault south of mine. Alteration strongest to the North of the intrusive Rhyolite mineralization is chalcedonic quartz with free gold, filling small veinlets and narrow hydrothermal breccia cones.

REMARKS: Sample 401 includes alteration & mineralization types described above.
1 Photos 8-10 Taken (see above) There is a foundation for an old mill near the new mill. Ore was probably hauled here from Duluth Mine, etc. in the 1920's? There are 3 trailers on the site (2 of them Travel Trailers). I only saw one man working. The owner is Jesse R. Wilson, 3 men were employed in 1980. (Schilling and Hall, 1980).

REFERENCES: Schilling, John and Hall, Joyce (1980) The Nevada mineral industry 1980: Nevada Bureau of Mines and Geology Special Publication MI-1980.

EXAMINER: L.J. Garside

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