

4960 0025

PROPERTY NAME: Hanlon Mine  
 OTHER NAMES: Glen Rushen Hamlin  
 MINERAL COMMODITY(IES): Au?, Ag?, Pb, Ba, Cu, Zn?  
 TYPE OF DEPOSIT: Vein & fracture fillings some replacement stockwork veining.  
 ACCESSIBILITY: \_\_\_\_\_  
 OWNERSHIP: Location monument on dump reads, "Glen Rushen, location July 15, 1964." A hand written notice warns against removal  
~~PRODUCTION~~ of location monument or trespassing  
 HISTORY: Unknown

256 Item 29  
 County: Nye  
 Mining District: Twin River  
 AMS Sheet: Tonopah  
 Quad Sheet: Toiyabe Peak 7½'  
 Sec. Unsurv., T 13N, R 41E  
 Coordinate (UTM):  
 North 4 3 1 2 4 6 0 m  
 East 0 4 7 0 5 5 0 m  
 Zone +11  
Sample loc # 775  
Sam loc # 775

DEVELOPMENT: 3 or 4 structures at mine site (cabins kept up & locked) 2 adits. Adit by cabins is main workings, SE striking & has track & spring coming out of entrance. Large slump above it indicates it is caved at depth. A small prospect is nearby. S striking adit in volcanic  
~~XXXXXXXXXXXXXXXXXXXX~~ at sample location 775 is partially caved also.  
 Activity at the time of examination: None, but cabins used occasionally by owners.

GEOLOGY: The host rock for this deposit is a brown (weath), grey on fresh surface, phenocryst rich andesite (or hypabyssal intrusive). In the area of the workings the rock is altered. Unweathered & unaltered. Float rock nearby has fine-grained plagioclase & hornblend (poss pyr x) crstals set in a purple-colored aphanitic groundmass.

The geology is not exposed in the main adit by the cabins. However, on the hill to the south the volcanic rocks are in place in isolated outcrops. The rocks to the south in the vicinity of sample location 775 display a preferred horizontal & vertical jointing or fracture system which is probably a result of cooling. The upper adit(775) explores a vertical fracture zone which contains highly altered rock.

The rocks on the lower dump are interesting texturally. The andesite is highly silicified and the mafic and feld phenos are altered. The mafics are replaced by pyrite or are chloritized. The feld are sericitized or kaolinitized and the entire rock is silicified. Many samples show stockwork veining with very thin dark green veinlets (probably silica and sulfides) in a spiderweb-type pattern. Pyrite and chalcopryrite, occur in the veinlets & in the host rock vug & fracture fillings are coated with zoned flourite and less often with barite. Grey siliceous veinlets are also common. A few samples show coarse barite veins with pods of galena and sulfides. Bornite was also observed. Some rock appears brecciated by different pulses of veining.

~~REMARKS~~ Epidote veining & epidotized volcanic rock were noted in upper adit. The alteration does not appear as intense as that at lower adit (seen in dump rock) as the mafic are only slightly chloritized. The rocks at upper adit are veined and contain galena, (other) sulfides epidote, chalcopryrite. A fine-grained mafic dike? rock was found on lower dump but is not mineralized.

#### Photos

Sample 782 - Not analyzed. Silty sed. with calcite veins with flecks of cinnabar. Found in small isolated pile by cabins, probably not from this area. 774- from Hamlin Mine dump. Stockwork veined sericitized? and silicified volcanic rock with veinlets and disseminated  
~~XXXXXXXXXXXX~~ pyrite/chalcopryrite and barite in veins and vugs. Also galena and bornite in coarse barite vein rock. 775- from upper adit. Altered, veined volcanic with galena, sulfides/ include chalcopryrite). Unidentified dark green platy vein min. (sphalerite?)

EXAMINER: Bentz

DATE VISITED: 10/3/81