

4710 0011

PROPERTY NAME: Au Prospect #1

OTHER NAMES: High Top claims

MINERAL COMMODITY(IES): Cu, Zn, W, Au?

TYPE OF DEPOSIT: Contact, vein (skarn), fault?

ACCESSIBILITY:

OWNERSHIP: High Top claims = Meshi & Mc Knight

PRODUCTION:

HISTORY:

County: Elko

Mining District: Swales Mtn.

AMS Sheet: Winnemucca

Quad Sheet: Swales Mtn. 7 1/2'

Sec. 5,8 T 35N R 53E

Coordinate (UTM):

North: 4 5 3 2 6 8 0 m

East: 0 5 8 1 5 5 0 m

Zone: +11

DEVELOPMENT: One shaft inclined to the west & several shallow prospects.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Workings explore skarn zone developed in limestones adjacent to & intruded by a dike - shaped monzonite intrusive & its related offspring. The geologic setting is very similar to that observed at High Top claims less than 1/3 mile to the south.

Sample location 1575 is a shallow prospect which explores the sharp contact between Fe-stained skarn & calcite veined, recrystallized limestone. The skarn zone is $\approx 5'$ in width & strikes N-S, 65W. The skarn is composed of yellow-green garnets, epidote, quartz & contains abundant FeOxs. The skarn zone contains abundant gossan. Skarn & gossan were sampled from the dump (1575). The sample contains vug fillings & lenses & fine veinlets of malachite & hemimorphite.

Sample 1574 was collected from the shaft which is the main working in this cluster of scattered prospects. The shaft is inclined along the same Fe-rich, W-dipping skarn zone. The rock appears fractured along this zone & again, as seen in other parts of the district, the contact between the skarn (on the east) & dark grey, unaltered limestone (on the west) is quite well-defined. The formation of the "vein-like" skarn bodies in this district may in part be controlled by bedding, fracturing or faulting or variable rock chemistry or porosity. Sample 1574 is composed of gossan & brecciated quartz vein containing some copper oxides.

Sample 1573 consists of skarn from a shallow prospect. The rock contains lenses of quartz & sulfides (pyrite & chalcopyrite) in addition to a small amount of scheelite.

REMARKS: Samples 1573

1574

1575

Photo

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 8/12/82