

3060 0014

PROPERTY NAME: Lone Mountain Mine

OTHER NAMES: Pen claims 1/2 mile to SW, "open pit" mine on topo

MINERAL COMMODITY(IES): Fe, Cu, W? Au?, Ag?

TYPE OF DEPOSIT: Replacement (skarn), contact

ACCESSIBILITY:

OWNERSHIP: Pen claims =Nuclear Power & Energy Co.

PRODUCTION:

HISTORY:

(29)  
Jan 14

County: Elko

Mining District: Merrimac

AMS Sheet: Wells

Quad Sheet: Singletree Creek 7 1/2'

Sec. 11, T 37N, R 53E

Coordinate (UTM):

North	4	5	5	1	1	2	0	m
East	0	5	8	5	6	4	0	m
Zone	+11							

DEVELOPMENT: One open cut elongate in a north-westerly direction. Cut is old & about 30-40' deep & 20-40' wide. A few prospects lie nearly to the N & E of pit & an adit is shown on topo map below pit.

ACTIVITY AT TIME OF EXAMINATION: None, but area nearby is recently staked.

GEOLOGY: Like other mines in the district the mine explores limestones adjacent to a quartz-monzonite intrusive body. Massive jointed outcrops of monzonite occur on ridges N & NE of pit.

The sides of the cut are slumped but scattered outcroppings of silicated limestones & limey shales are exposed here & there. The silicated rocks range from a light-green weak skarn to a coarsely crystalline, green garnet-epidote skarn. The skarn often contains irregular replacement pods and bodies of magnetite, copper oxides & Fe Oxs (mostly limonite). Abundant limonite is especially notable on dense skarn exposed in SW pit wall. The original bedding of the sediments is still preserved. It strikes approximately N-S & dips W, N-W.

The pit appears to be aligned parallel to the bedding of the skarn, indicating replacement mimicks bedding (bedding plane structure?) or NW trend of contact with Nannies Peak intrusive body. The copper minerals occur in vugs & veinlets which were later than the skarn formation.

A high-grade pile near the cut contained the best mineralized rocks. Fe & Mn-stained magnetite ore with secondary vugs & fracture fillings of malachite & chrysocolla was sampled from this pile (sample 191A). Sample B is composed of light green skarn & did not show any scheelite when lamped.

West of the main pit a north striking skarn zone 8-10' wide is exposed in outcrop. West of the skarn is grey unaltered limestone & thin to medium bedded siliceous shales.

REMARKS: Sample 191 A & B

Photos.

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 7/2/82