

3060 0013

PROPERTY NAME: Lone Wolf MineOTHER NAMES: Fern # 4MINERAL COMMODITY(IES): W, CuTYPE OF DEPOSIT: Contact, skarn

ACCESSIBILITY: _____

OWNERSHIP: Fern claims = Karle Kuehnby, et al, located 6/4/78.PRODUCTION: See CRIB

HISTORY: _____

County: ElkoMining District: MerrimacAMS Sheet: WellsQuad Sheet: Reed Station 7 1/2'Sec. 36, T 38N, R 53E

Coordinate (UTM):

North 4 5 5 4 6 2 0 mEast 0 5 8 7 6 3 0 mZone +11

DEVELOPMENT: Several west to south-west trending adits & open stopes. One deep N-S trench by road. Freeport? has done some drilling at higher elevations NW of this mine. Several old buildings on property.

ACTIVITY AT TIME OF EXAMINATION: None, most recent activity is probably the trenching which looks about 2 years old.

GEOLOGY: Host rocks are dark grey, massive to medium bedded limestone & silty limestone. The stope exposes contorted limestone beds which are about 1/2 to 1' in width, SW dipping, & thoroughly silicated to a greenish skarn. The skarn is composed of garnet, epidote & calcite & is quite dense. Most of the rocks contain very fine-grained sulfides & coatings of Cu & FeOxs. Some of the rocks show clots of chalcopyrite & thin lenses of copper oxides & sulfides. Many samples are veined by calcite & quartz. Sample 190 consists of skarn with sulfides & shows minor scheelite when lamped.

A resistant outcrop of biotite - plagioclase-quartz porphyry lies above the adits. The rock appears unaltered. In outcrop, a prominent NW-SE joint system is developed in the intrusive. According to GSA Bull geologic map, the porphyry above the adits is part of the main N-S trending body of the Nannie's Peak intrusive.

REMARKS: Sample 190Photos.REFERENCES: GSA Bull., V.70, no. 5, May 1959, p. 539-564.EXAMINER: Bentz/SmithDATE VISITED: 7/1/82