

3950 0074

PROPERTY NAME: Elijah Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Cu, Ag?, Au?, Mo?TYPE OF DEPOSIT: Replacement above sill, mineralized sill

ACCESSIBILITY: _____

OWNERSHIP: _____

PRODUCTION: Unknown

HISTORY: _____

County: White Pine Item 76Mining District: RobinsonAMS Sheet: ElyQuad Sheet: Ruth 7 1/2'Sec. 12 T 16N R 62E

Coordinate (UTM):

North 4 3 4 8 0 5 0 mEast 0 6 7 7 2 2 0 mZone +11DEVELOPMENT: A large green ore bin remains on property. Workings consist of several N striking adits & inclined shafts.ACTIVITY AT TIME OF EXAMINATION: None

GEOLOGY: An E-W striking sill outcrops along the N bank of an E-W dirt road ~200' above Highway 50. Sample 953 was collected near the ore bin. It is composed of porphyritic monzonite with coarse (1/2-1") Euhedral pink-white K-spar phenos which mafic minerals & pyrite. The groundmass is medium-grained & altered to a light green color. The alteration is probably weakly propylitic, as fine hornblende crystals are chloritized & K-spar is relatively fresh. Epidote occurs in K-spar & in groundmass. In some samples, the K-spar phenos are altered to clay & Fe (wormy texture) enclos

Pyrite, chalcopyrite & bornite occur in clots & disseminated in the groundmass. These minerals are unoxidized & also occur as fracture fillings. Epidote commonly present with the sulfides.

Regular bedded horizon limestone beds outcrop above the intrusive & continue to outcrop for a distance upslope. The limestone has cherty ovoid nodules & is grey in color. Laminar, limey silty mudstones lie directly above intrusive. These sed are part of the Ely Limestone. Several inclined N-striking shafts begin in these sediments. The dumps contain silicified limestone with Cuoxs & pyrite. Surprisingly there is not much evidence of thermal alteration of the sediments other than some silicification. The shafts are inclined to intercept the horizon of replaced limestone which lies above the porphyry. The replaced rock was not sampled as not much mineralization was observed. The CRIB mentions Ag, Au & Mo occurrences in the replaced limestone, but these rocks were not sampled.

REMARKS: _____

Sample 953 - Mineralized intrusivePhoto

REFERENCES: _____

EXAMINER: BentzDATE VISITED: 8/6/81