3060 0016

PROPERTY NAME: Little J.W. Claims

OTHER NAMES:

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

TYPE OF DEPOSIT: Contact

ACCESSIBILITY:

OWNERSHIP: Little J.W. Claims = Freeport Expl. Co.,

PRODUCTION:

HISTORY:

(10) Nem 16

County: Elko

Mining District: Merrimac

AMS Sheet: Wells

Quad Sheet: Reed Station 7 1/2'

Sec. 36, T 38N, R 53E

Coordinate (UTM):

North 4 1 5 1 5 4 1 0 1 1 5 m

East 0 1 5 1 8 1 6 1 6 1 5 1 0 m

Zone +11

DEVELOPMENT: One south-directed adit & connecting shaft, partially filled in. Several shallow trench like workings & prospects. One more recent trench located above adit.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Workings lie in contact area between Devonian limestones & intrusive latite dikes & the monzonite porphyry body underlying the ridge of Lone Mountain.

Above & below workings there are out-crops of intrusive dikes which range from an unaltered light-grey, biotite-quartz-plagioclase monzonite porphyry to a finer-grained, green colored plagioclase - hornblende bearing monzonite. The dikes form resistant jointed outcrops ranging from 15 meters to 1 meter in width. The most proximate dike outcrops about 20' above main workings. The dikes roughly parallel the trend of the ridge & in fact they appear to underlie several of the east-west ridges east of the main intrusive body in this area.

The prospects are developed in altered, dark-grey, silty limestones intruded by the dikes & proximate to the main intrusive. The limestone is in part silicified, bleached, recrystallized or marbelized where it occurs adjacent to the dikes. The bedding of the limestone is highly contorted & folded. At one prospect, CuOxs & gossan marked the contact between the limestone & dike. The dikes located below the workings are finely crystalline, greenish in color & about 2-3' in width.

Some of the limestone on the dumps are altered to skarn. Limonitic & manganese-rich gossan is also common. Malachite & azurite coat the altered limestone & occurs in the gossan Hemimorphite fills vugs & open spaces in the gossan & skarn. (Sample A). Some coarse white calcite vein & siderite was also sampled (Sample B).

REMARKS: Samples 189 A& B
Photos

REFERENCES:

EXAMINER: Bentz/Smith

DATE VISITED: 7/2/82