2870 0026

(96) Item 34

PROPERTY NAME: Sample Site 457

OTHER NAMES:

MINERAL COMMODITY(IES): Pb-Zn(Ag)

TYPE OF DEPOSIT: Pb-Zn replacement along shear.

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY:

County: Esmeralda

Mining District: Lone Mountain

AMS Sheet: Tonopah

Quad Sheet: Lone Mt. 15'

Unsurveyed

Sec. 11, T 2N, R 40E

Coordinate (UTM):

North 4211200 m

East 0460000 m

Zone +11

DEVELOPMENT: Several shallow shafts and an adit with stopes above. The adit has a moderate-sized dump.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: This property is similar in many ways to the Heidi Mine and other Lone Mt. base metal prospects. The ore seen on the dumps is porous to dense, iron-rich gossan with oxide zinc and/or lead minerals. Boxworks are both triangular and square. The mineralized zone are immediately adjacent (usually west) of high-angle silicic porphyry dikes, which are 5-10m wide and trend N40-60°W. This silicic porphyry is greenish white, flow-banded, and hydrothermally altered (See Bonham and Garside, 1979). The main mineralized zone is a N65W, 65NE 0.5 - 1.5m wide gossan-filled shear zone (now stoped). The main adit probably connects with this stoped area. The mineralized shear zone lies 10m west of a 5m wide silicic porphyry dike. A lamprophyre dike (unaltered) occurs locally in the mineralized shear, and is cut by shears within the zone locally - indicating that mineralization was followed by lamprophyre intrusion, and this was followed by more shearing. The wallrock is Reed dolomite.

REMARKS: Photo G 822-7 is a view from a distance of the prospect pits and the dump of the adit. Sample 457 is gossan from a dump

REFERENCES:

EXAMINER: L.J. Garside

DATE VISITED: 12 Jul 82