4000 0002

PROPERTY NAME: Victory Manganese Prospect

OTHER NAMES:

MINERAL COMMODITY(IES): Mn (W)

TYPE OF DEPOSIT: Vein

ACCESSIBILITY: Good

OWNERSHIP:

PRODUCTION: None.

HISTORY:

(273) Item 2

County: Pershing

Mining District: Rose Creek

AMS Sheet: Winnemucca

Quad Sheet: Dun Glen Peak 7 1/2'

C E/2 E/2

Sec. 5, T 34N, R 36E

Coordinate (UTM):

North 4|5|2|2|4|0|0 m

East 0|4|2|0|1|3|0 m

Zone

DEVELOPMENT: A short adit, shallow shaft, and several prospect pits.

ACTIVITY AT TIME OF EXAMINATION: None; recent geochemical sampling.

GEOLOGY: Black manganese oxide minerals occur with black calcite in a calcite and chalcedonic silica vein which may be up to 15-20 m wide. The trend of the zone is north-south, and it bounds the range-front outcrops. The zone is probably a high angle normal fault zone; repeated opening under extension would allow such a wide fissure vein. However, some bands of white calcite within the black calcite suggest a 45E dip - this would not be a normal fault. The wallrock in the range behind the vein is light gray argillite of the Triassic Grass Valley Formation. The composite vein consists of bands of gray to pinkish chalcedony, black (with a few white bands) calcite and altered fault breccia fragments of argillite. The argillite fragments are silicified and/or kaolinized. Numerous "quartz after lamellar calcite" and similar replacement textures in the chalcedony suggest silica replacement of calcite within the vein. Crustiform textures in the chalcedonic matter are rare. Crystals of black calcite up to several cm in diameter occur in a matrix of finer calcite and white chalcedony. The high angle(near vertical) nature of the calcite vein zone can be seen just north of the road to the radio facility, 0.5 km north of the sampled locality.

REMARKS: Photo LG 843-21 is of the black calcite portion of the vein exposed near the portal of the adit. Sample 2348 is a grab sample of chalcedonic and calcite vein matter and manganese oxides.

REFERENCES: Johnson, 1977

EXAMINER: L.J. Garside

DATE VISITED: 28 Sep 84