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Item 5

INDIAN DISTRICT

LOCATION

The Indian district is located in the Humboldt Range on Indian Creek in T29N, R34E, in Pershing County. It is accessible by a poor dirt road from the Spring Valley-Unionville road.

HISTORY

According to Johnson (1977) the district was discovered in 1861 and the Moonlight Mine was worked between 1861 and 1871 producing about \$100,000 in high-grade silver ore. The district has been idle for many years.

GEOLOGIC SETTING

In the Indian Creek area rocks of the Limerick Greenstone are thrust over the Rochester Rhyolite. Both formations are part of the Lower Triassic Koipato Group. The geology of the area has been described by Wallace and others (1969).

ORE DEPOSITS

There are two small mines in the Indian district, the Moonlight Mine and the Bluebird Mine. The Moonlight Mine is located on a N40E trending, 80° NW dipping shear zone in schistose rhyolite. Barite and oxide copper minerals including tenorite, malachite and azurite are associated with quartz stringers in the sheared rhyolite. The mine has been idle for many years.

The Bluebird Mine is located on a 1 meter wide quartz vein in Limerick Greenstone. The vein trends NW and is steeply dipping. The vein contains pyrite, chalcopyrite, tetrahedrite and galena. Oxidation products include chrysocolla, malachite, tenorite, azurite and Pb-Sb oxides. The wallrocks are sericitized.

GEOCHEMISTRY

A sample from the ^{Bluebird} Moonlight Mine contained 2000 ppm silver, more than 5000 ppm barium, 1 percent copper, and anomalous lead, antimony and zinc.

A sample from the Bluebird Mine is anomalous in silver, arsenic, bismuth, vanadium and zinc and contains 2 percent copper, 1.5 percent lead and 2000 ppm antimony.

SELECTED REFERENCES

Johnson, M.G. (1977) Geology and mineral resources of Pershing County,

Nevada: Nevada Bureau of Mines and Geology Bull. 89, 113 p.

Wallace, R.E., Tatlock, D.B., Silberling, N.J., and Irwin, W.P. (1969)
Geologic map of the Unionville Quadrangle, Pershing County, Nevada:
U.S. Geological Survey Map 6Q-820.

PROPERTY NAME: Moonlight Mine

OTHER NAMES: _____

MINERAL COMMODITY(IES): Ag, Cu

TYPE OF DEPOSIT: Shear zone

ACCESSIBILITY: Poor

OWNERSHIP: Abandoned

PRODUCTION: \$100,000

HISTORY: Worked briefly in 1870's.

County: Pershing

Mining District: Indian

AMS Sheet: Lovelock

Quad Sheet: Unionville

Sec. 15, T 29N, R 34E

Coordinate (UTM):

North 4470375 m

East 0403575 m

Zone _____

DEVELOPMENT: Several adits and shafts, none

ACTIVITY AT TIME OF EXAMINATION: None, long idle.

GEOLOGY: N40E striking, 80°NW dip shear zone in schistose rhyolite. Oxide copper minerals including chrysocolla, tenorite and malachite in shear zone. Some quartz stringers. Barite? may be present.

REMARKS: Sample 2574, photo.

REFERENCES: Johnson, 1977.

EXAMINER: H.F. Bonham Jr.

DATE VISITED: 9-28-84

PROPERTY NAME: Bluebird

OTHER NAMES: _____

MINERAL COMMODITY(IES): Cu, Pb, Ag

TYPE OF DEPOSIT: vein

ACCESSIBILITY: Poor

OWNERSHIP: _____

PRODUCTION: None

HISTORY: Unknown

County: Pershing

Mining District: Indian

AMS Sheet: Lovelock

Quad Sheet: Unionville

Sec. 15, T 29N, R 34E

Coordinate (UTM):

North 4 4 7 0 1 2 2 8 m

East 0 1 4 0 3 1 2 8 m

Zone _____

DEVELOPMENT: Shallow pits, bulldozer trench

ACTIVITY AT TIME OF EXAMINATION: none

GEOLOGY: 1 meter wide quartz vein in Limerick Keratophyre. Trends N75W + 15°. Vein contains chalcopyrite, galena and tetrahedrite, oxides include chrysocolla, malachite, tenorite, azurite and Pb-Sb oxides. Wall rock is sericitized.

REMARKS: Sample 2575. Photos

REFERENCES: _____

EXAMINER: H.F. Bonham Jr.

DATE VISITED: 9-28-84