

5130 0001

Lander Co. general Item 14

PROPERTY NAME: Warm Springs Hg Prospects

OTHER NAMES:

MINERAL COMMODITY(IES): Hg

TYPE OF DEPOSIT: Vein, hot springs alteration along fracture

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION: Unknown

HISTORY:

County: Lander

Mining District: Warm Springs Area

AMS Sheet: Winnemucca

Quad Sheet: The Cedars

Sec. 26, T 27N, R 43E

Coordinate (UTM):

North 4 4 4 8 4 0 0 m

East 0 4 9 1 4 5 0 m

Zone +11

DEVELOPMENT: Several 5' deep prospects, 1 20' deep timbered shaft, numerous trenches &amp; small prospects along vein structure.

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Most of the old Hg prospects are located on the SE side of a small hill just west of Hwy 8A 35 miles south of Battle Mountain.

The host rock for the deposit is a bedded & locally altered sanadine rich rhyolitic tuff which dips gently to the N-NE. The prospects explore an E-W vein of Hg mineralization for more than about 200' along strike. The main mineralization zone appears to be only 4-5' wide-but alteration effects extend for a great distance on both sides of vein.

The rhyolite is locally silicified or altered to punky sinter deposits as a result of circulating hi-level hydrothermal fluids. Some silicified samples contain white-orange pods of opaline material with small specks of cinnabar. The sanadine crystals make up most abundant phenocrysts & are commonly unaltered. Fe minerals (possibly jarosite) are concentrated along this zone, as oxides of Fe coat fracture surfaces on most samples.

Active hot springs are located west of the prospects at the base of the hill.

The vein is reported to be along a fault. No real brecciation was noted, & most likely the zone is along a well developed, narrow fracture.

Photo #36-37 Pegs roll

Sample - 116

REMARKS:

REFERENCES:

EXAMINER: Bentz

DATE VISITED: 5/14/82