

3350 0009

(133) Item 11

PROPERTY NAME: Paradise Mine

OTHER NAMES: Buckskin Peak Mine

MINERAL COMMODITY(IES): Hg

TYPE OF DEPOSIT: Opalite

ACCESSIBILITY:

OWNERSHIP:

PRODUCTION:

HISTORY: The history is described in Bailey and Phoenix (1944)

Some Hg ore was processed on site, but there were also furnaces along Indian Creek-Canyon Creek Road about 4 km SW of the mine.

Work done in the Hg mining area in the 1950's.

DEVELOPMENT: 100-200m of underground workings, mainly horizontal.

County: Humboldt

Mining District: National

AMS Sheet: Mc Dermitt

Quad Sheet: Mc Dermitt 15'

NE/4 SE/4 SW/4

Sec. 11, T 45N, R 39E

Coordinate (UTM):

North 4 6 2 6 5 0 0 m

East 0 4 5 4 4 0 0 m

Zone +11

ACTIVITY AT TIME OF EXAMINATION: None.

GEOLOGY: Cinnabar occurs as bands and streaks in a 1m wide horizontal zone in siliceous pool sinter which is interbedded with volcaniclastic rocks. The cinnabar is fine-grained, and light-sensitive. The volcaniclastic rocks consists of quartz sandstone and rhyolite-pebble conglomerate. Some cinnabar also occurs as veinlets and stockworks. Calomel is present on a few oxidized surface samples. The pool sinter has dessication cracks on upper bedding surfaces; reportedly it is very low in Ti and Zr, indicating its origin as a silica precipitate. The mineralized sediments are intruded? nearby by a flow-banded, lithophysal, sphaleritic rhyolite. The cinnabar sinter deposits are the surface expression of an underlying precious metal vein system with higher concentrations of stibnite in the upper levels of the veins (see description of the Buckskin National and Halcyon workings. The volcaniclastic sedimentary rocks are strongly silicified, contain interbedded sinter, and overlie a alunitic alteration assemblage in rhyolitic flow rocks.

Buckskin Mt. was glaciated; several cirques occur on the sides of the mountain.

REMARKS: Tour by: Peter Vikre, Asarco. Photos.

Sample #478 is select cinnabar-bearing pool sinter.

REFERENCES: Bailey, E.H. and Phoenix, D.A. (1944), Quicksilver deposits in Nevada: NBMG Bull. 41, p 92-93. Roberts, R.J. (1940) Quicksilver deposit at Buckskin Peak, National Mining District, Humboldt Co., Nevada: USGS Bull. 922-E.

EXAMINER: L.J. Garside, H.F. Bonham, Jr.

DATE VISITED: 18 Aug 83