

STATE DEPT. OF GEOLOGY & MINERAL INDUSTRIES  
DEC 4 1957

Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

Memo Report

B & H Claim (Antimony, Arsenic, Cinnabar)

Douglas County  
Tiller-Drew Area

Owners: Bobb Cassell of Gilchrist, Oregon and Harry Cassell of Canyonville, Oregon.

Area: 1 lode claim.

Location: NW $\frac{1}{4}$  sec. 13, T. 29 S., R. 1 W. The prospect is about 12.5 miles northeast of Tiller in a roadcut along the first righthand tributary of Boulder Creek.

Description: The country rocks are characteristic of the Western Cascades and consist of basalt and andesite flows, tuff breccias, agglomerate, and accompanying basic to acid intrusives.

A small discovery pit in a roadcut exposes realgar, orpiment and stibnite in a narrow shear zone in an intermediate to acid porphyritic dike. The mineralization is localized to a fractured zone near the center of the dike. The fractured zone trends N. 45° W. and dips steeply to the east. The sulfide minerals are found as fracture fillings and coatings with some pockets of more massive aggregates.

There are at least two more parallel fractured zones within the 100 to 125 foot wide dike, but only the one described shows mineralization.

Visited: With Len Ramp, Bobb Cassell, and Harry Cassell Nov. 16, 1957.

Report by: Norm Peterson - 12/3/57.

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## CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... N020163  
 RECORD TYPE..... X1M  
 INFORMATION SOURCE... 1  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... FERNES, MARK L. (BROOKS, HOWARD C.)  
 AFFILIATION..... ODGMI  
 DATE..... 81 01

## NAME AND LOCATION

DEPOSIT NAME..... B AND H  
 SYNONYM NAME..... LUCKY LOGGER

COUNTRY CODE..... US  
 COUNTRY NAME: UNITED STATES

STATE CODE..... OR  
 STATE NAME: OREGON

COUNTY..... DOUGLAS  
 DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PRDV..... 13 WESTERN CASCADES  
 LAND CLASSIFICATION..... 40

QUAD SCALE..... QUAD NO OR NAME  
 1: 62500..... RED BUTTE

LATITUDE..... LONGITUDE  
 43-03-40N..... 122-46-33W

UTM NORTHING..... UTM EASTING..... UTM ZONE NO  
 4767400..... 518250..... +10

TWP..... 029S  
 RANGE..... 001W  
 SECTION.. 13  
 MERIDIAN. WILLAMETTE

LOCATION COMMENTS: NE 1/4 OF THE NW 1/4

## COMMODITY INFORMATION

COMMODITIES PRESENT..... SB HG AS

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....



ANALYTICAL DATA(GENERAL)

DDGMI ASSAYS RUN 0.50 - 1.90 % SB; NIL AU; NIL AG; NIL-0.80 % AS; NIL-1.1 LB/TON HG

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SHEAR ZONE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

STRIKE OF DREBODY..... N 45 W

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS(DESCRIP. OF WORKINGS):

SMALL CUT

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... OLIGO-MIO

HOST ROCK TYPES..... VOLCANICS

IMPORTANT DRE CONTROL/LOCUS.. FRACTURE ZONE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: LITTLE BUTTE VOLCANICS

AGE: OLIGO-MIO

GEOLOGICAL PROCESSES OF CONCENTRATION OR ENRICHMENT:

70-90 E

GENERAL REFERENCES

1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON; DDGMI BULL. 75, P. 16