

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

LAUREL GROUP (HgS)

Douglas County  
Umpqua (Unclassified)

Owners: C. L. Hartley, Tiller, and H. J. Dean, Sutherlin.

Area: Three lode claims - Tom, Dick and Harry held by location.

Location: SW $\frac{1}{4}$  sec. 24, T. 28 S., R. 1 E. The main discovery on the Tom claim is located at 3,360 (aneroid) feet elevation on the SW side of a steep rhyolite knob 1 mile N. 25° E. from Flagstone Peak. The occurrence is reached via the South Umpqua River road, up the Quartz Mountain road 8 miles, then by walking down the SE-trending ridge for 2 miles plus (see Quartz Mtn. quadrangle).

Development: A shallow discovery cut is the extent of workings. There has been no production.

Geology: The area is underlain by volcanic rocks consisting of tuffs (in part sedimentary), basalts, and rhyolite. The prospect is on a 3-foot wide mineralized zone occurring in a rhyolite dike or plug(?). The mineralized zone contains narrow seams of barite crystals with lesser amounts of goethite crystals, pyrite, and minor cinnabar.

The zone strikes northwest and is near vertical. It can be traced for about 30 feet in the vicinity of the discovery cut.

Although cinnabar is visible in some of the specimens an assay of the zone would be quite low. Two samples submitted to the Department for assay include: BG-546 which tested Trace-gold, Nil-silver, and 0.80 lb. per ton Hg; and QG-285, P-20216 which assayed 0.50 lb./ton Hg.

Visited: With C. L. Hartley and Roy Rannells 7/29/60.

Informant: C. L. Hartley.

Report by: Len Ramp 8/16/60.

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RECEIVE  
SEP 5 1960  
STATE DEPT. OF GEOLOGY  
& MINERAL IND.

CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M055880  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 MAP CODE NO. OF REC..

## REPORTER

NAME..... PETERSON, JOCELYN A.  
 DATE..... 76 08  
 UPDATED..... 81 03  
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... LAUREL

MINING DISTRICT/AREA/SUBDIST. TILLER

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

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

COUNTY..... DOUGLAS  
 DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PRDV..... 13 CASCADE RANGE  
 LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME  
 1: 62500 QUARTZ MTN.

LATITUDE LONGITUDE  
 43-06-56N 122-38-59W

UTM NORTHING UTM EASTING UTM ZONE NO  
 4773500. 528500. +10

TWP..... 028S  
 RANGE..... 001E  
 SECTION.. 24  
 MERIDIAN. WILLAMETTE

LOCATION COMMENTS: SW/4 SEC. 24, LOCATED TO CENTER OF QUARTER SECTION

## COMMODITY INFORMATION

COMMODITIES PRESENT..... HG

POTENTIAL.....  
OCCURRENCE..... BA

ORE MATERIALS (MINERALS, ROCKS, ETC.):  
CINNABAR, BARITE

MAIN ORE MINERALS:  
CINNABAR, BARITE

ANALYTICAL DATA (GENERAL)  
2 ASSAYS SHOWED .8 AND .5 LB/TON HG

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2  
PROPERTY IS INACTIVE  
PRESENT/LAST OWNER..... C. L. HARTLEY AND H. J. DEAN, 1963

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
NARROW SEAMS

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
STRIKE OF OREBODY..... NW  
DIP OF OREBODY..... VERTICAL

DESCRIPTION OF WORKINGS  
SURFACE

PRODUCTION  
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... ED  
HOST ROCK TYPES..... RHYOLITE DIKE OR PLUG

AGE OF MINERALIZATION..... UPPER TER

PERTINENT MINERALOGY..... BARITE, GOETHITE, PYRITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES  
1) NAME: LITTLE BUTTE VOLCANIC SERIES  
AGE: ED

GEOLOGICAL PROCESSES OF CONCENTRATION OR ENRICHMENT: