

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

## J L CINNABAR GROUP CLAIMS

Douglas County  
Tiller-Drew Dist.

Owners: Vernon Lerwill and Charles Jackson.

Location: On a knoll in the NW $\frac{1}{4}$  sec. 17, T. 29 S., R. 1 W. from about 3400 to 3550 feet elevation.

Area: Four claims. The western claim extends into sec. 18.

Development: Shallow bulldozer excavations were made in 6 areas with pannings showed cinnabar. The main occurrence is on the north slope and near the top of the knoll in an excavation of about 100 feet in diameter and up to 8 feet deep.

Geology: The main occurrence consists of a silicified fault breccia in altered and decomposed porphyritic basalt. The silicified zone or vein is about 10 feet wide and has been exposed in a shallow excavation for about 100 feet length. The zone strikes from N. 80° E. to due E. and dips from 80° S. to vertical. Cinnabar in sparse to interesting amounts can be found disseminated in the breccia. Two samples, ZG-137 & 138 chipped across 10 and 12-foot widths of the vein and about 20 feet apart assayed 0.30 and 0.10 lb./ton Hg respectively.

In a bulldozer trench situated about 700 feet east and a little north of the main occurrence some cinnabar can be found in a fault contact between basalt on the north and a bleached and altered tuff breccia on the south. The fault strikes E. and dips 80° S. The tuff contains limonite seams. A sample (ZG-139) cut across the fault zone for a width of 30 inches assayed 0.20 lb./ton Hg.

Other shallow excavations lying to the south showed no cinnabar-bearing rock in place but they reportedly panned cinnabar. A cut on the

- 2 -

east side of the knoll and perhaps 100 yards southeast of the main occurrence exposed a fault zone striking N. 40° E. where pannings show cinnabar. The weathered rock appears to be mainly altered tuff.

An old prospect is situated about 500 feet north of the  $\frac{1}{4}$  corner of secs. 17 and 18. ~~It~~ <sup>knoll</sup> was worked by John Howe about 25 years ago and consisted of an open ~~cut~~ <sup>slavat</sup> and inclined shaft all caved. A recent bulldozer cut across the ~~top~~ <sup>slat</sup> of the shaft and a few feet east of the original cut exposed ~~basalt and tuff~~ <sup>zone</sup> dipping 65° SE. Some chunks of silicified and altered tuff lying beside the old discovery cut contain visible cinnabar but none could be seen in the recent bulldozer cut which is mainly in deeply weathered tuff(?) or basalt and tuff.

This report is a preliminary memorandum and further detailed observations should probably be made.

Date visited: 8/18/65 with Vern Lerwill.

Report by: Len Ramp 8/23/65.

RECEIVED  
OCT 6 1965  
STATE DEPT. OF GEOLOGY  
MONTANA

~~R~~ JK Cinnabar

4 claims located Mar(?) 1965  
claims Run Northwesterly & Cobble



Cut on ~~North~~ <sup>North</sup> side of hill <sup>NW</sup> SW  $\frac{1}{4}$  sec  
17 T 29 S R 1W (about 3450)  
fault strike about N 80° E  
dip about 80° ~~S~~ to vent.

cut exposes <sup>10'</sup> zone of silicified  
breccia in altered "decomposed" basalt  
for about 100' length. About 700'  
on ~~East~~ side hill down below  
road about 3400' el (#3 claim  
is bulldozer cut across E-W  
fault dip 80° S Take picture

#20 weathered basalt on N of bleached  
tuff with limonite seams on S.

cut <sup>2</sup> samples across Western ocean  
#1 10' cut & #2 12' cut across  
silicified breccia zone 20' west  
of #1

#3 on E cut 30" across fault  
zone note HgS smeared on  
slickensides in fault zone  
zone in Eastern cut if cont  
-vms would lie to south of

#3 claim

Roy L. Jackson  
Drew Prospect  
Tunnel on rd

Cut of shallow  
shaft 10' off  
Highway right of way

4' wide altered zone  
in basalt  
strikes N 10 to 30° E  
branching?  
dip 65° NW  
cut simple across 2'  
on face above wing  
for assay

banded calcite-quartz  
seams in altered zones  
quartz <sup>or opal</sup> centers usually  
contain the cinnabar  
dark gray opaque quartz  
(chalcedony)

zone exposed on west end

Just below road and 200' S of  
E cut is slickensided Tuff breccia  
with slickensided E-W fault  
reported by some Hgs. Then west  
about 100 yds where N 40° E  
seam ~~is~~ reported to pan  
good. Chunk of good  
one found under stump  
by Herrill.

Then to point about 500'  
N of  $\frac{1}{4}$  cor between  
17 & 18 = old prospect  
in saddle worked by  
John Howe about 25 years ago  
taken over by Charles Jackson  
about 12 yrs ago  
new inclined shaft  
in breccia with some  
Hgs.

bulldozer cut across about  
wing exposed fault zone  
striking about N 40° E  
dip about 65° SE

Melgard Rd June 2  
Near  $\frac{1}{4}$  cor = 47.4



RECORD IDENTIFICATION

RECORD NO..... M055925  
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..... J. L. PROSPECT  
SYNONYM NAME..... CHIMNEY CLAIM

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

*Jules*

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            RED BUTTE

LATITUDE            LONGITUDE  
43-03-30N            122-51-25W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4767100.0            511650.0            +10

TWP..... 029S  
RANGE..... 001K  
SECTION.. 17  
MERIDIAN. WILLAMETTE

ALTITUDE.. 3500

LOCATION COMMENTS: NW/4 SEC 17

COMMODITY INFORMATION

COMMODITIES PRESENT..... HG

ORE MATERIALS (MINERALS, ROCKS, ETC.)  
CINNABAR

MAIN ORE MINERALS:  
CINNABAR

ANALYTICAL DATA (GENERAL)  
4 CHIP SAMPLES RANGED FROM 0.1 TO 0.6 LB/TON HG

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2  
PROPERTY IS INACTIVE  
PRESENT/LAST OWNER..... VERNON LERWILL AND CHARLES JACKSON, 1965

#### DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
MINERALIZED SHEAR ZONE  
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL  
STRIKE OF OREBODY..... E  
DIP OF OREBODY..... VERTICAL

DESCRIPTION OF WORKINGS  
SURFACE

PRODUCTION  
NO PRODUCTION

#### GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... OLIG  
HOST ROCK TYPES..... BASALT AND TUFF BRECCIA  
IMPORTANT ORE CONTROL/LOCUS.. 10 FT. WIDE SHEAR ZONE

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

SIGNIFICANT ALTERATION:  
SILICIFIED FAULT BRECCIA

#### GENERAL REFERENCES

1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY OREGON: OREGON DEPT. OF GEOLOGY AND MINERAL



STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

137 thru 139

SAMPLES SUBMITTED BY: Len Hamp ADDRESS: P.O. Box 417 Grants Pass, Ore. DATE: 8/19/65

<u>Sample No.</u>	<u>Mine or Prospect</u>	<u>Type</u>	<u>District</u>	<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>Assay For</u>
ZG-137	J L Claims	10' chip	Tiller-Drew	NW 17	29 S	1 W	Hg
ZG-138	" "	12' chip	" "	"	"	"	"
ZG-139	" "	30" chip	" "	"	"	"	"

Descriptions:

- ZG-137 - Cut across vein of silicified fault breccia about center of 100' bulldozer excavation - has abundant seams of brown limonite.
- ZG-138 - Cut across vein 20' west of ZG-137.
- ZG-139 - Across fault zone in eastern cut - includes altered basalt and tuff breccia in part silicified and altered to clay.

Results:

		MERCURY (Hg) <u>Lb./ton</u>
P-30416	ZG-137	0.30 lb.
P-30417	ZG-138	0.10 lb.
P-30418	ZG-139	0.20 lb.

9 - 187 thru 190  
Pg

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417 Grants Pass, Oregon DATE: 10/19/65

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
ZG - 187	J. L. Cinnabar	5' channel	Miller-Drew	NW 17	29 S	1 W	Hg
188	" " "	10' "	" "	" "	" "	" "	"
189	" " "	2' "	" "	" "	" "	" "	"
190	" " "	18" "	" "	" "	" "	" "	"

Descriptions:

- ZG-187 - is a 5-foot extension southward from the end of sample ZG-138 which was taken on an earlier visit. It consists of partly silicified breccia with clay and limonite.
- ZG-188 - Similar to ZG-187 - cut across the mineralized zone between ZG-137 & 138.
- ZG-189 - Sample taken by Howard Brooks. It consists of silicified breccia with abundant limonite - east from high grade seam, west wall of siliceous breccia taken 10 feet east of ZG-187.
- ZG-190 - Taken by Brooks - 18 inches west from high grade seam and 10 feet east of ZG-187, i.e., is a west continuation of ZG-189.

Results:

		MERCURY (Hg)
ZG-187	P-30625 . . .	0.40 lb./ton
ZG-188	P-30626 . . .	0.30 "
ZG-189	P-30627 . . .	0.60 "
ZG-190	P-30628 . . .	0.10 "

11-5-65



STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

ZG - 137 thru 139  
Hg

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417 Grants Pass, Ore. DATE: 8/19/65

<u>Sample No.</u>	<u>Mine or Prospect</u>	<u>Type</u>	<u>District</u>	<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>Assay For</u>
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ZG-139	" "	30" chip	" "	"	"	"	"

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P-30417	ZG-138	0.10 lb.
P-30418	ZG-139	0.20 lb.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

ZG - 187 thru ZG-190  
Hg

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417 Grants Pass, Oregon DATE: 10/19/65

<u>Sample No.</u>	<u>Mine or Prospect</u>	<u>Type</u>	<u>District</u>	<u>S.</u>	<u>T.</u>	<u>R.</u>	<u>Assay For</u>
ZG - 187	J. L. Cinnabar	5' channel	Tiller-Drew	NW $\frac{1}{4}$ 17	29 S	1 W	Hg
188	" " "	10' "	" "	" "	"	"	"
189	" " "	2' "	" "	" "	"	"	"
190	" " "	18" "	" "	" "	"	"	"

Descriptions:

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- ZG-188 - Similar to ZG-187 - cut across the mineralized zone between ZG-137 & 138.
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ZG-189	P-30627 . . .	0.60 "
ZG-190	P-30628 . . .	0.10 "

11-5-65

Memorandum Report: For Mineral Property Files

J & L CINNABAR CLAIMS

Date of Examination November 13, 1970

Location, Access and Ownership

The property is located in the NW $\frac{1}{4}$  Sec. 17, T 29 S, R 7 W, Douglas County, Oregon. The prospect workings are situated around the periphery and on top of a small knoll at elevations ranging from about 3,400 to 3,550 feet above sea level. Access is afforded by travelling northeasterly from Tiller, Oregon on the south Umpqua road for approximately 7.5 miles, and then by proceeding northerly on a Forest Service timber access road for about 6 miles to the deposit. The secondary road system is gravelled and well maintained, and is open to travel for all year except for perhaps 2 or 3 months during winter when snow is an adverse factor.

The property comprises four standard size lode claims, held by location. The owners are Vernon Lerwill and Charles Jackson, both residents of the Tiller area.

Mineral Deposits The most recent work has been done on the north side of the knoll about 300 feet from the top. An east-west trending bulldozer cut about 20 feet deep at the east end, tapering to 5 feet deep to the west has exposed a cinnabar-bearing structure for about 120 feet of strike length. (see attached sketch). The mineralized structure comprises



a fault breccia zone 10 to 12 feet wide that strikes nearly east-west, and is either vertical or dips southerly at about 85 degrees. The country rock adjoining the zone appears to be an altered basalt; it is soft, clayey, and yellow to red-brown colored. Relatively unaltered rock exposed some distance from the breccia zone is a porphyritic, dark blue-gray basalt.

Rock within the zone is well fractured, variably bleached, moderately to well silicified, and variably iron and manganese stained. It is purplish red to rusty reddish brown to light gray-white in color.

Cinnabar is found in bleached, well silicified rock, and in poorly defined silicified breccia ribs where the fragments are bleached and the matrix is a dark blue-gray color. The cinnabar occurs as minute particles up to a pinhead in size and as hairline width coatings in chalcedony filled fractures varying from a knife-edge to one quarter-inch wide. A lesser amount of cinnabar occurs as fine particles scattered along the borders of dark brown limonite fracture fillings.

Two 6 foot long chip samples, (R0-1-70 and R0-2-70), were taken across a 12 foot width of the mineralized breccia zone about 40 feet from the east end of the bulldozer cut. Sample R0-1-70 assayed 0.06 pounds per ton mercury, and sample R0-2-70 that cut part of a cinnabar-bearing rib, assayed 0.16 pounds per ton mercury. A grab sample of selected cinnabar-bearing material (R0-3-70) thought by the owners to represent high grade mineralized rock, assayed 1.4 pounds per ton mercury.

Other recent work on the claims is a 10 foot deep by 30 foot long, north-trending bulldozer trench located about 700 feet east of the above-described occurrence. Heavy rains have caused the trench walls to slough in and at the time of examination the bottom was full of water, so no samples were taken.

All other bulldozer work on the claims was done a few years ago by the owners, and is described in a 1965 memorandum report by Len Ramp of the State of Oregon Department of Geology and Mineral Industries.

W. L. Rice,  
Geologist