J L CINNABAR GROUP CLAIMS

Owners: Vernon Lerwill and Charles Jackson.

Location: On a knob in the NW¼ 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.

Small bulldozer excavations were made in 6 areas where pannings showed cinnabar. The main occurrence is on the north slope and near the top of the knob 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
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 1/4 corner of secs. 17 and 18. It was worked by John Howe about 25 years ago and consisted of an open cut and inclined shaft all caved. A recent bulldozer cut across the top of the shaft and a few feet east of the original cut exposes a fault zone striking N. 40° E. and 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.

4 Claims located Mar 1965

NW

Cut on North side of hill SW of sec
17-1-29-5-R-1-W (about 3450)

fault strike about N 80° E
dip about 80° 5 to west.
cut exposes 10% zone of silicified
breccia in altered "decomposed" basic
cut on East side hill down below
road about 3400' el (#3 clain
is bulldozer cut across E-W
fault dip 80° S. Take picture
weathered basalt on N side
breccia with limonite seams on S.
cut samples across Western open
#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
ouns would lie to South
Roy L. Jackson
Drew Prospect
Tunnel on rd
Cut & shallow
shaft 10' off
Highway right of way

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

banded calcite-quartz
seams in altered zones
Quartz centers usually
contain the cinnamon-
dark gray opaque quartz
(Chalcedony)

Zone exposed at west end
just below road and 200' 5 of
E cut is schistified Tuff breccia
with slickensided E-W fault
reportedly some Hgs. Then west
about 100 yds where N 40° E
seam reported to pan
a good chunk of good
ore found under stamp
by W. W. Ill.

Then to point about 500'
W of 4th cor between
17 & 18 old prospect
in saddle worked by
John Howey about 25 yrs ago.
Taken over by Charles Jackson
about 12 yrs ago
reved inclined shaft
in breccia with some
Hgs.

Bulldog cut across above
Wingt exposed fault Zone
striking about N 40° E
dip about 65° SE

Millagat Rd dump
Ne selected car 47.4
REPORT IDENTIFICATION

RECORD NO. M65525
RECORD TYPE X1M
COUNTRY/ORGANIZATION USGS
MAP CODE NO. OF REC.

REPORTER
NAME PETERSON, JOCELYN A.
DATE 76 08
UPDATED 81 09
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
STATE CODE OR
STATE NAME OREGON
COUNTY DOUGLAS
DRAINAGE AREA 17100302 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV 13 CASCADE RANGE
LAND CLASSIFICATION 41

QUAD SCALE 1: 62500
QUAD NO OR NAME RED BUTTE

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

UTM NORTHING 4767100.0
UTM EASTING 511650.0
UTM ZONE NO +10

THP 029S
RANGE 001W
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 RANDED 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
NAME/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. L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY OREGON: OREGON DEPT. OF GEOLOGY AND MINERAL RESOURCES.
## Samples Submitted by:

**Jan Ramp**

**Address:** P.O. Box 417 Grants Pass, Ore.

**Date:** 8/19/65

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

### 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

<table>
<thead>
<tr>
<th></th>
<th>MERCURY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Hg)</td>
</tr>
<tr>
<td></td>
<td>Lb./ton</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Code</th>
<th>Assay</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-30416</td>
<td>ZG-137</td>
<td>0.30 lb.</td>
</tr>
<tr>
<td>P-30417</td>
<td>ZG-138</td>
<td>0.10 lb.</td>
</tr>
<tr>
<td>P-30418</td>
<td>ZG-139</td>
<td>0.20 lb.</td>
</tr>
</tbody>
</table>

9-30-65
STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

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

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S.</th>
<th>T.</th>
<th>R.</th>
<th>Assay Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZG-187</td>
<td>Cinnabar</td>
<td>5' channel</td>
<td>Miller-Drew</td>
<td>17</td>
<td>29</td>
<td>1W</td>
<td>Hg</td>
</tr>
<tr>
<td>188</td>
<td></td>
<td>10'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>189</td>
<td></td>
<td>2'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>190</td>
<td></td>
<td>18'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Data:

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:

<table>
<thead>
<tr>
<th>Sample No</th>
<th>MERCURY (Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZG-187</td>
<td>0.40 lb./ton</td>
</tr>
<tr>
<td>ZG-188</td>
<td>0.30 &quot;</td>
</tr>
<tr>
<td>ZG-189</td>
<td>0.60 &quot;</td>
</tr>
<tr>
<td>ZG-190</td>
<td>0.10 &quot;</td>
</tr>
</tbody>
</table>

11-5-65
STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

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

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S.</th>
<th>T.</th>
<th>R.</th>
<th>Assay For</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZG-137</td>
<td>J L Claims</td>
<td>10' chip</td>
<td>Tiller-Drew</td>
<td>NW 17</td>
<td>29 S</td>
<td>1 W</td>
<td>Hg</td>
</tr>
<tr>
<td>ZG-138</td>
<td>&quot;</td>
<td>12' chip</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>ZG-139</td>
<td>&quot;</td>
<td>30&quot; chip</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>MERCURY (Hg)</th>
<th>Lb./ton</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-30416</td>
<td>ZG-137</td>
</tr>
<tr>
<td>P-30417</td>
<td>ZG-138</td>
</tr>
<tr>
<td>P-30418</td>
<td>ZG-139</td>
</tr>
</tbody>
</table>
## 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

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S.</th>
<th>T.</th>
<th>R.</th>
<th>Assay For</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZG - 187</td>
<td>J. L. Cinnabar</td>
<td>5' channel</td>
<td>Tiller-Drew</td>
<td>NW</td>
<td>17</td>
<td>29 S</td>
<td>1 W</td>
</tr>
<tr>
<td>187</td>
<td>&quot;</td>
<td>10'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>188</td>
<td>&quot;</td>
<td>2'</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
<tr>
<td>189</td>
<td>&quot;</td>
<td>18&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
<td>&quot;</td>
</tr>
</tbody>
</table>

**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:**

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Sample Number</th>
<th>MERCURY (Hg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZG-187</td>
<td>P-30625</td>
<td>0.40 lb./ton</td>
</tr>
<tr>
<td>ZG-188</td>
<td>P-30626</td>
<td>0.30 &quot;</td>
</tr>
<tr>
<td>ZG-189</td>
<td>P-30627</td>
<td>0.60 &quot;</td>
</tr>
<tr>
<td>ZG-190</td>
<td>P-30628</td>
<td>0.10 &quot;</td>
</tr>
</tbody>
</table>

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 NW¼ 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, (RO-1-70 and RO-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 RO-1-70 assayed 0.06 pounds per ton mercury, and sample RO-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 (RO-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