CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO. .......................... M062189
RECORD TYPE. ........................ X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO. ........................... B1A
MAP CODE NO. OF RECORD. 

REPORTER
NAME. ................................. SMITH, ROGEO M.
DATE. ................................. 78 08
UPDATED. ............................. 81 01
BY. ................................. FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME. ......................... CHARLOTTE
MINING DISTRICT/AREA/SUBDIST. UPPER APPLEGATE
COUNTRY CODE. ........................ US
COUNTRY NAME: UNITED STATES
STATE CODE. ........................... OR
STATE NAME: OREGON
COUNTY. ............................... JACKSON
DRAINAGE AREA. ........................ 17 APPLEGATE RIVER
PHYSIOGRAPHIC PROV. ................. 13 KLANATH MOUNTAINS
LAND CLASSIFICATION. ................. 00

QUAD SCALE .......................... 1: 62500
QUAD NO OR NAME. ..................... RUCH
LATITUDE .............................. 42-07-25N
LONGITUDE ............................ 123-12-14W

UTM NORTHING ......................... 4663300.
UTM EASTING .......................... 463150.
UTM ZONE NO. .......................... 10

TWP. ............................... 40S
RANGE. .............................. 04W
SECTION. ............................. 05
MERIDIAN. ............................ W4 & M

LOCATION COMMENTS: NW 1/4

COMMODITY INFORMATION
COMMODITIES PRESENT .................. AU AG PB MN AG PB MN
SAMPLES ASSAYED NIL-0.10 OZ/TON Au; NIL-0.26 OZ/TON Ag; NIL-0.05% Pb

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV.: 2
PRESENT/LAST OWNER: IRA ROOD (1975)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
VEIN

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT: SMALL
MAX THICKNESS: 4 FT
STRIKE OF OREBODY: NB5W
DIP OF OREBODY: 66N

DESCRIPTION OF WORKINGS

COMMENST (DESCRIPTION OF WORKINGS):
TWO OPEN CUES

PRODUCTION
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS: PERM-TRI
HOST ROCK TYPES: SHEARED METAVOLCANICS

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: APPLEGATE GROUP
   AGE: PERM TRI

GENERAL REFERENCES
1) RAMP, L (1957) CHARLOTTE; ODGMI UNPUBLISHED FILE REPORT
<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>RG-355</td>
<td>Charlotte</td>
<td>4' chip</td>
<td>Upper Applegate</td>
<td>5</td>
<td>405</td>
<td>4W</td>
<td>Au, Ag</td>
</tr>
<tr>
<td>RG-356</td>
<td></td>
<td>1' channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Au, Ag</td>
</tr>
<tr>
<td>RG-357</td>
<td></td>
<td>18&quot; channel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Au, Ag</td>
</tr>
<tr>
<td>RG-358</td>
<td></td>
<td>10&quot; chip</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Au, Ag</td>
</tr>
</tbody>
</table>

**Descriptions:**

RG-355 - Chip sample taken across a 4 foot thick, fractured, iron-stained quartz vein, including 2 inches into footwall and hanging wall. From 4'X 6'X 8' cut at 3370' elevation.

RG-356 - channel sample of hanging wall gouge, sheared and weathered metavolcanic rock with limonite and small quartz veinlets (same as 355).

RG-357 - quartz and limonite stained gouge and country rock from footwall (same as 355).

RG-358 - gray iron-stained altered wall rock with quartz veinlets and disseminated pyrite from hanging wall in main cut at face of cross cut.

**Results:**

<table>
<thead>
<tr>
<th></th>
<th>Au</th>
<th>Ag</th>
</tr>
</thead>
<tbody>
<tr>
<td>P-21707</td>
<td>Trace</td>
<td>N1</td>
</tr>
<tr>
<td>P-21708</td>
<td>0.02 oz</td>
<td>Trace</td>
</tr>
<tr>
<td>P-21709</td>
<td>Trace</td>
<td>Trace</td>
</tr>
<tr>
<td>P-21710</td>
<td>0.10 oz</td>
<td>0.26</td>
</tr>
</tbody>
</table>

\[ \text{Results:} \]
CHARLOTTE PROSPECT (Au)
Upper Applegate Dist.
Jackson County

Owners: Lloyd N. Warner and Dave Williams, Grants Pass.

Location: NW¼ sec. 5, T. 40 S., R. 4 W. The prospect is reached via the Star Ranger Station Road which branches east from the Thompson Creek-Steamboat Road 2½ miles northwest of Steamboat and 12 miles south of Applegate. It is on Quartz Creek, a tributary of Brush Creek, which drains the east slope of Humpy Mountain. Quartz Creek is 4.1 miles from the Thompson Creek-Steamboat Road. The main workings are about 1,000 feet up a trail from the road on the steep slope northeast of the creek.

Development: The lower of two cuts is 4 feet deep, 6 feet wide and 8 feet long. The upper cut (3,380 feet elevation) is larger. It consists of a 40-foot long 4-foot wide trench north connected to a 10-foot trench to the west on the vein, which is about 20 feet deep at the face and 4 feet wide. Approximately 15 tons of quartz were piled beside the upper cut. The cuts are about 40 feet apart.

Geology: A 4-foot thick quartz vein which strikes N. 85° W. and dips 66° N. is exposed by the cuts. The wall rock is a sheared metavolcanic. A smaller (6 to 10-inches thick) quartz vein is exposed in the upper cut 17 feet south of the main vein. It strikes N. 70° W. and dips 75° N. The quartz is iron-stained and fractured. It contains a few black splotches of Mn oxides and minor amount of disseminated sulphides (mainly pyrite with occasional galena).

Up the hillside above the workings at 4,050 feet elevation on a bare slope 250 feet northeast of the gully a few small quartz veins outcrop in
a dark argillite which strikes N. 20° E., and dips 80° W.

Considerable float quartz is found around the slope about 50 feet northeast and slightly above the vein exposed in the cuts. This float may be from a separate vein or an offset segment of the exposed vein.

The following samples were taken at the time of the examination:

<table>
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<tr>
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<th>Au</th>
<th>Ag</th>
</tr>
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<tbody>
<tr>
<td>1.</td>
<td>RG-355 — 4-foot chip across vein in lower cut</td>
<td>Trace</td>
<td>Nil</td>
</tr>
<tr>
<td>2.</td>
<td>RG-356 — 1-foot channel hanging wall gouge in lower cut</td>
<td>0.02 oz.</td>
<td>Trace</td>
</tr>
<tr>
<td>3.</td>
<td>RG-357 — 18-inch channel footwall gouge lower cut</td>
<td>Trace</td>
<td>Trace</td>
</tr>
<tr>
<td>4.</td>
<td>RG-358 — 10-inch chip hanging wall (high-grade) upper cut</td>
<td>0.10 oz.</td>
<td>0.26 oz.</td>
</tr>
</tbody>
</table>

Grab samples submitted by the owners include the following:

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<th>Ag</th>
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<tbody>
<tr>
<td>RG-118</td>
<td>Vein quartz</td>
<td>0.02 oz.</td>
<td>Nil</td>
</tr>
<tr>
<td>RG-320</td>
<td>Vein quartz with minor pyrite &amp; galena</td>
<td>0.86 oz.</td>
<td>0.30 oz.</td>
</tr>
<tr>
<td>RG-369</td>
<td>Quartz &amp; metavol with disseminated pyrite</td>
<td>0.64 oz.</td>
<td>0.50 oz.</td>
</tr>
<tr>
<td>RG-403</td>
<td>Iron-stained quartz</td>
<td>0.46 oz.</td>
<td>Trace</td>
</tr>
<tr>
<td>RG-439</td>
<td>Quartz with minor pyrite from lower cut</td>
<td>Nil</td>
<td>Trace</td>
</tr>
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Digging short trenches to extend the vein and taking several channel samples across the vein was recommended for further exploration. Also a trench to locate the source of quartz float found northeast of the main workings was recommended.

Visited: 8/5/57.
Report by: L.R. 10/7/57.

* * * * * *
Charlotte Prospect (Au)  
Upper Applegate Dist.  
Jackson County

Owner: Lloyd N. Warner and Dave Williams, Grants Pass.

Location: W1/4 sec. 5, T. 40 S., R. 4 W. The prospect is reached via the Star Ranger Station Road which branches east from the Thompson Creek-Steambot Road 2½ miles northwest of Steambot and 12 miles south of Applegate. It is on Quarts Creek, a tributary of Brush Creek, which drains the east slope of Humpy Mountain. Quartz Creek is 4.1 miles from the Thompson Creek-Steambot Road. The main workings are about 1,000 feet up a trail from the road on the steep slope northeast of the creek.

Development: The lower of two cuts is 4 feet deep, 6 feet wide and 8 feet long. The upper cut (3,880 feet elevation) is larger. It consists of a 40-foot long 4-foot wide trench north connected to a 10-foot trench to the west on the vein, which is about 20 feet deep at the face and 4 feet wide. Approximately 15 tons of quartz were piled beside the upper cut. The cuts are about 40 feet apart.

Geology: A 4-foot thick quartz vein which strikes N. 85° W. and dips 66° N. is exposed by the cuts. The wall rock is a sheared metavolcanic. A smaller (6 to 10-inches thick) quartz vein is exposed in the upper cut 17 feet south of the main vein. It strikes N. 70° W. and dips 75° N.

The quartz is iron-stained and fractured. It contains a few black splotches of Mn oxides and minor amount of disseminated sulphides (mainly pyrite with occasional galena).

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CHARLOTTE PROSPECT (Au)

- 2 -

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<td>0.02 oz.</td>
<td>Trace</td>
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<td></td>
<td>lower cut</td>
<td></td>
<td></td>
</tr>
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<td>3.</td>
<td>RG-357 — 18-inch channel footwall gouge lower</td>
<td>Trace</td>
<td></td>
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<td></td>
<td>cut</td>
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<td>galena</td>
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<td></td>
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<td>Quartz &amp; metavolcs w/disseminated</td>
<td>0.64 oz.</td>
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<td>pyrite</td>
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