

RECORD IDENTIFICATION

RECORD NO..... M062189
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 DEPOSIT NO..... 81A
 MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE 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 APPELATE
 COUNTRY CODE..... US
 COUNTRY NAME: UNITED STATES
 STATE CODE..... OR
 STATE NAME: OREGON
 COUNTY..... JACKSON
 DRAINAGE AREA..... 17 APPELATE RIVER
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 00

QUAD SCALE QUAD NO OR NAME
 1: 62500 RUCH

LATITUDE LONGITUDE
 42-07-25N 123-12-14W

UTM NORTHING UTM EASTING UTM ZONE NO
 4663300. 483150. +10

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

LOCATION COMMENTS: NW 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG PB MN AG PB MN

PYRITE, GALENA, MANGANESE OXIDES

ANALYTICAL DATA (GENERAL)

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 DREBODY.... N85W
DIP OF DREBODY..... 66N

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):

TWO OPEN CUTS

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: APPLIGATE GROUP
AGE: PERM TRI

GENERAL REFERENCES

- 1) RAMP, L (1957) CHARLOTTE; ODGMI UNPUBLISHED FILE REPORT

Len

RG-355, 356, 357, 358
Au, Ag

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417 Grants Pass, Oregon DATE: 8/7/57

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
RG-355	Charlotte	4' chip	Upper Applegate	5	40S	4W	Au, Ag
RG-356	"	1' channel	"	"	"	"	Au, Ag
RG-357	"	18" channel	"	"	"	"	Au, Ag
RG-358	"	10" chip	"	"	"	"	Au, Ag

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:

35
.02

1700

	<u>Au</u>	<u>Ag</u>
P-21707 RG-355	Trace	Nil
P-21708 RG-356	0.02 oz.	Trace
P-21709 RG-357	Trace	Trace
P-21710 RG-358	0.10 oz.	0.26 oz.
		70¢
		* 3.50 +
		23

		\$3.73
		90
		2340

✓

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

CHARLOTTE PROSPECT (Au)

Upper Applegate Dist.
Jackson County

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

Location: NW $\frac{1}{4}$ 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-Steamboat Road 2 $\frac{1}{2}$ 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 (3,880 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).

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

- 2 -

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:

<u>No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>
1. RG-355	— 4-foot chip across vein in lower cut	Trace	Nil
2. RG-356	— 1-foot channel hanging wall gouge in lower cut	0.02 oz.	Trace
3. RG-357	— 18-inch channel footwall gouge lower cut	Trace	Trace
4. RG-358	— 10-inch chip hanging wall (high-grade) upper cut	0.10 oz.	0.26 oz.

Grab samples submitted by the owners include the following:

<u>No.</u>	<u>Description</u>	<u>Au</u>	<u>Ag</u>	<u>Pb</u>
RG-118	Vein quartz	0.02 oz.	Nil	
RG-320	Vein quartz with minor pyrite & galena	0.86 oz.	0.30 oz.	Tr
RG-369	Quartz & metavols w/disseminated pyrite	0.64 oz.	0.50 oz.	0.05%
RG-403	Iron-stained quartz	0.46 oz.	Trace	
RG-439	Quartz with minor pyrite from lower cut	Nil	Trace	

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.

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State Department of *Geology* Mineral Industries

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OCT 17 1932

STATE DEPT. OF GEOLOGY
& MINERAL INDS.

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Portland 1, Oregon

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