

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

## RAINBOW PROSPECT (Au, Ag, Cu)

Josephine County  
Galice District

Ownership: The property is owned by Josephine County and leased to James H. Espy and L. B. McLane, Leland, Oregon.

Location: The area leased includes the west  $\frac{1}{2}$  of sec. 20, T. 33 S., R. 7 W. It is reached via a logging road up Poorman Creek and west around the hillside to the head of Rock Creek drainage. Distance from Grave Creek road to the prospect is about 4 miles.

Workings: A logging spur road cuts through the mineralized zone at a point about 3,000 feet elevation and 1,700 feet N. 25° E. from the SW $\frac{1}{4}$  corner section 20. The mineralized zone is cut again by another logging road about 2,000 feet northeast across the ridge. At this northern location 2 small cuts have been dug in the road bank where mineralization is more intense.

Geology: The area is mapped by Wells and Walker (1953) as part of the Rogue formation consisting mainly of metavolcanic rocks. Rocks in the area examined appear to be altered sandstones or tuffs. Dioritic rocks are fairly abundant in the area also. Foliations in the altered zone and surrounding layered rocks strike from N. 8° E. to N. 30° E. and dip steeply SE. Rocks in the mineralized zone vary from slightly mineralized rusty phyllites to intensely altered sericite schist which is in places thoroughly impregnated with pyrite and chalcopyrite and in part replaced by massive barite with disseminated sulfides. Mineralization is similar to that described at the Almeda and Silver Peak Mines.

There are at least 2 parallel mineralized zones on the area being prospected. The western zone is about 25 feet wide and the eastern zone



- 2 -

about 130 feet wide. The zones are about 60 feet apart where sampled at the southern exposure.

Samples cut across these zones along the southern road cuts showed only weak mineralization (see samples UG-338, 339, 340). Sample UG-341, a grab sample composed of various pieces of the mineralized zone including disseminated sulfides in barite, some gossan, sericite-barite schist, and minor quartz, assayed 0.14 oz. gold, 1.50 oz. silver, and 0.30 percent copper.

Visited: 12/21/60.

Informant: L. B. McLane.

Reference: Wells, F. G., and Walker, G. W., Geologic map of the Galice Quadrangle, Oregon, 1953.

Report by: Len Ramp 2/10/61.

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RECORD IDENTIFICATION

RECORD NO..... M061862  
RECORD TYPE..... XIN  
COUNTRY/ORGANIZATION. USGS  
MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE M.  
DATE..... 78 08  
UPDATED..... 81 04  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... RAINBOW  
SYNONYM NAME..... EAST ZONE, WEST ZONE,

COUNTRY CODE..... JS  
COUNTRY NAME: UNITED STATES

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

COUNTY..... JOSEPHINE  
DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS  
LAND CLASSIFICATION..... 20

QUAD SCALE            QUAD NO OR NAME  
1: 62500            GALICE

LATITUDE            LONGITUDE  
42-41-10N            123-33-24W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4725900.            454400.            +10

TWP..... 33S  
RANGE..... 07W  
SECTION.. 20  
MERIDIAN. WB & M

ALTITUDE.. 3000 PLUS OR MINUS

LOCATION COMMENTS: SW 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU   AU   AG   BA



ORE MATERIALS (MINERALS, ROCKS, ETC.):  
PYRITE, CHALCOPYRITE, BARITE

COMMODITY SUBTYPES OR USE CATEGORIES:  
0.09 AU:AG

ANALYTICAL DATA (GENERAL)  
SAMPLE ASSAYED 0.14 OZ/TON AU; 1.50 OZ/TON AG; 0.30 % CU

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 1

#### DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
DISSEMINATED  
FORM/SHAPE OF DEPOSIT:  
SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL

#### DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):  
ROAD CUTS (ZONES 60' APART)

#### PRODUCTION

NO PRODUCTION  
23                                SAMPLE                - 1960                        0.14 AU, 1.5 AG, 0.3 CU

#### GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... GREENSTONE (SERICITE SCHIST)  
PERTINENT MINERALOGY..... SERICITE

#### LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES  
1) NAME: ROGUE VOLCANICS  
AGE: JUR

#### COMMENTS (GEOLOGY AND MINERALOGY):

SERICITE SCHIST PARTIALLY REPLACED BY MASSIVE BARITE WITH DISSEMINATED CHALCOPYRITE AND PYRITE.

#### GENERAL REFERENCES

1) RAMP, L., 1961, RAINBOW; ODG4I UNPUBLISHED FILE REPORT.

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
PROJECT SAMPLE RECORD

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417, Grants Pass, Ore. DATE: 12/23/60

| Sample No. | Mine or Prospect | Type    | District | S.                  | T.   | R.  | Assay For  |
|------------|------------------|---------|----------|---------------------|------|-----|------------|
| UG - 338   | Rainbow Prospect | 25' cut | Galice   | SW $\frac{1}{4}$ 20 | 33 S | 7 W | Au, Ag, Cu |
| UG - 339   | " "              | 70' cut | "        | SW $\frac{1}{4}$ 20 | 33 S | 7 W | Au, Ag, Cu |
| UG - 340   | " "              | 70' cut | "        | SW $\frac{1}{4}$ 20 | 33 S | 7 W | Au, Ag, Cu |
| UG - 341   | " "              | grab    | "        | W $\frac{1}{2}$ 20  | 33 S | 7 W | Au, Ag, Cu |

Owners L. B. McLane & James H. Espy W $\frac{1}{2}$  sec. 20. Leased from Josephine County.

Descriptions:

- UG - 338 -- From western mineralized zone on skidroad. Iron-stained sericite schist includes clay, limonite and minor quartz. About 1700 feet N. 25° E. from SW corner sec. 20.
- UG - 339 -- Western half main zone on skidroad. Similar to above material.
- UG - 340 -- Eastern half main zone on skidroad. Similar to above material.
- UG - 341 -- Various pieces of mineralized zone on logging road about 1500 feet N. 20° E. from other samples. Fine-grained disseminated pyrite and chalcopryrite in barite--some go~~ssan~~ and some sericite-barite schist with minor quartz.

Results:

|        |         | GOLD<br>(Au) | SILVER<br>(Ag) | COPPER<br>(Cu) | Value  |
|--------|---------|--------------|----------------|----------------|--------|
| UG-338 | P-26083 | 0.01 oz.     | Nil            | Trace          | .35    |
| UG-339 | P-26084 | Nil          | Nil            | 0.10%          | —      |
| UG-340 | P-26085 | Nil          | Nil            | Trace          | —      |
| UG-341 | P-26086 | 0.14 oz.     | 1.50 oz.       | 0.30%          | # 6.25 |

Len

*copy  
sent to McLane  
Island, Ore  
2/7/61*



12-21-60

with L. B. McClaine, Leland  
Sunny & bright above 2500  
foggy below

Drive up logging road up  
poorman and around to  
SW  $\frac{1}{4}$  sec 20, T 33 S R 7 W  
park on trib Rock Creek  
about 2600 (A) and climb  
up ridge to NE good  
exposure of iron stained  
quartz caliche schist  
at 2850 (A)

up to  $\pm$  100' wide zone  
mineralized strike of foliation  
A N 27 E dip 60° SE  
3 center End Rainbow #2  
leased from county by  
James H. Espy of L B McClaine

W ridge is meta sed or meta tuff  
strikes about N 8° E dips 25° E

N 30° E 68° SE near gully on skid  
road 100' west is 20' zone  
rusty slightly mineralized & all  
progressing E on skid rd rusty  
mineralized rock starts 60'  
E of gully sample 25'  
zone S# 1-12-21-60

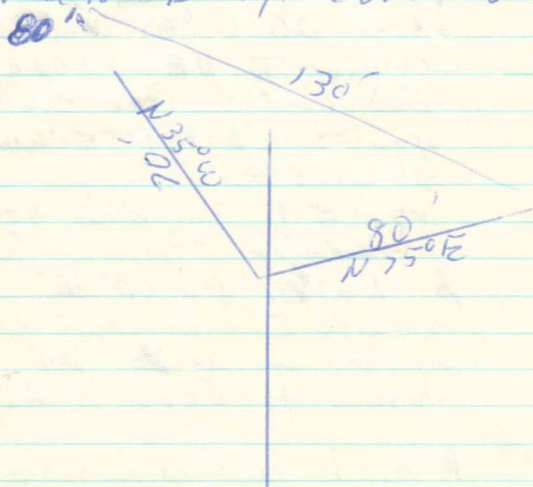
(2930 A, S 25° W to knob  
E  $\frac{1}{2}$  NE  $\frac{1}{4}$  sec 30 am 80' higher)

(Then knob at this point)  
is s#1

+ 70' E up skid rd  
start s#2 - 12-21-60

70' To point of ridge.

Sample 3-12-21-60 from  
here to E edge zone about  
80'



To 11.7 on rd go turn  
left and 1500' N 25°  
from samples  
zone = 30'

S end about 70' wide  
all zone

30' zone on point Rock Creek  
head . 2750' has sulphides  
& barite taken 4-12-21-60  
grab