

State Department of **RECEIVED** **NOV 25 1957** Geology and Mineral Industries

STATE DEPT. OF GEOLOGY
& MINERAL INDUSTRIES

1069 State Office Building
Portland 1, Oregon

LOME HAZLE COPPER PROSPECT

Josephine County
Illinois River Dist.

Owner: Ernest Dunbar and Milton Ericson, Selma, Oregon.

Location: NW $\frac{1}{4}$ of sec. 1 and NE $\frac{1}{4}$ of sec. 2, T. 36 S., R. 9 W., on the north side of Little Silver Creek. A cabin is located on Little Silver Creek at 1,850 feet elevation. This point is reached by about 1 mile of trail from the Old Glory mine at the end of the mine road 10 miles from Rusty Bar on Briggs Creek, where it branches from the Galt Flat-Briggs Creek road about 20 miles from Selma on Highway 199. The prospects lie within 1/3 mile radius to the northwest from the cabin.

Area: Thirteen claims were laid out. Work had been completed on five (9/18/57) and No. 1 claim had been previously located and recorded by Dunbar's father. The new claims were located Aug. 5, 1957.

Development: Work on the claims consists mainly of discovery cuts. On Lome Eagle No. 1 claim workings consist of 3 small cuts and a short (6-foot) tunnel which are located at 2,080 (A) feet elevation N. 45° W. of the cabin.

Geology: The country rock is a dark-colored, coarse-grained hornblende diorite which is excellently exposed on the very steep bare slopes. A few small sinuous, iron-stained and fractured quartz veins penetrate the diorite in the area. Minor sulphides including chalcopyrite and pyrite, some malachite, limonite, scelite (?), and graphite were noted in the vein at the cuts on claim No. 1. Some chalcopyrite and pyrrhotite penetrate the country rock a short distance from the vein, but are not extensive or significant in quantity. The vein varies from less than 3 inches up to 1 foot thick. It strikes west and dips about 70° N. It has been broken into several segments by minor faults. A grab sample from

the vein (RG-454) assayed Nil gold, Trace silver and 1.80 percent copper.

Another small sinuous vein outcropping about 420 feet (elevation) above the workings on claim No. 1 was sampled (RG-456) but showed no values. It has a maximum exposed thickness of 12 inches. At one point the vein has been offset about 10 feet obliquely by a normal fault.

About 200 feet east of the upper vein on the east side of the gully is a copper stained shear wall with a pinching quartz vein up to 20 inches thick. The vein footwall is marked by a fault striking N. 45° W. and dipping 77° NE. This vein was not sampled but reportedly showed some gold values in a previous assay. The mineralized portion appeared restricted to a small area and the vein pinches out in a short distance.

Other samples taken (see P-22010 to P-22013) indicated that the hornblende diorite country rock is not sufficiently mineralized to be of value.

Visited: 9/18/57 with the owners, at their request.

Report by: L.R. - 11/20/57.

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Len

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

RG - 454 - Au, Ag, Cu
455 - Au, Ag, Cu
456 - Au, Ag
457 - Cu

SAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417 Grants Pass, Ore. DATE: 9-23-57

| Sample No. | Mine or Prospect | Type | District | S. | T. | R. | Assay For |
|------------|-------------------|------------------|---------------------|--------|------|-----------|------------|
| RG - 454 | Lone Eagle #1 | Picked highgrade | Illinois Riv. SW/NW | 1 | 36 S | 10 W | Au, Ag, Cu |
| 455 | Lone Eagle #4 | 12' chip | " " | " | 36 S | 10 W | Au, Ag, Cu |
| 456 | Lone Eagle #1 (?) | Picked Highgrade | " " | " | 36 S | 10 W | Au, Ag |
| 457 | Lone Eagle #7 | Grab from dump | " " | NE 1/4 | 2 | 36 S 10 W | Cu |

Descriptions:

- RG - 454 - 1. Druzy quartz vein in dark hornblende diorite with chalcopyrite, malachite, pyrite, limonite, zeolite (?) and graphite.
- 455 - 2. Dark hornblende diorite with lime on fractures.
- 456 - 3. Fractured iron-stained quartz from various places along small vein 420 feet above main workings on claim No. 1
- 457 - 4. Dark coarse-grained hornblende diorite with some lime and zeolite on fractures.

Results:

| | | <u>GOLD</u> | <u>SILVER</u> | <u>COPPER</u> |
|---------|--------|-------------|---------------|---------------|
| P-22010 | RG-454 | Nil | Trace | 1.80 % |
| P-22011 | RG-455 | Trace | Trace | Nil |
| P-22012 | RG-456 | Nil | Nil | - - |
| P-22013 | RG-457 | | | Trace |



RECORD IDENTIFICATION

RECORD NO..... M061841
RECORD TYPE..... XIM
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGMI 100-234
MAP CODE NO. DF REC..

REPORTER

NAME..... SMITH, ROSCOE M.
DATE..... 78 08
UPDATED..... 81 03
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... LONE EAGLE *CV*

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

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

COUNTY..... JOSEPHINE
DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME
1: 62500 SELMA

LATITUDE LONGITUDE
42-28-41N 123-43-06W

UTM NORTHING UTM EASTING UTM ZONE NO
4702900. 440950. +10

TWP..... 36S
RANGE..... 09W
SECTION.. 01 02
MERIDIAN. WB & M

LOCATION COMMENTS: N CDR

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU AG

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

SPECIAL FIELD 3 VEIN AND DISSEMINATED IN DIDRITE

ORE MATERIALS (MINERALS, ROCKS, ETC.):
CHALCOPYRITE, PYRRHOTITE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
MASSIVE CHROMITE
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS
SURFACE

COMMENTS(DESCRIP. OF WORKINGS):
THREE CUTS, ADIT 6 FT

PRODUCTION
NO PRODUCTION

23 SAMPLE 1.8 CU, TR AG (VEIN)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... ULTRAMAFICS

PERTINENT MINERALOGY..... QUARTZ AND WALL ROCK

GENERAL COMMENTS
LITTLE INFORMATION AVAILABLE.

GENERAL REFERENCES

1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 93P