

# State Department of Geology and Mineral Industries

115

~~1069 State Office Building~~  
~~Portland, Oregon~~

## MEMORANDUM

MILLER CREEK GOSSAN:

Curry County  
Chetco Area

Location and access: On Miller Creek, a tributary of Slide Creek, in the SW $\frac{1}{4}$  sec. 13, T. 38 S., R. 10 W. at about 2,800 feet elevation. The area may be reached by a jeep road about 2 miles south from Chetco Pass by taking the jeep road 5 miles from McCaleb Ranch, which is on the Illinois River about 12 miles west from Selma on U. S. 199. The prospect is about  $\frac{1}{3}$  mile and 800 feet below the road. It is less than  $\frac{1}{2}$  mile inside the boundary of the Kalmiopsis Wilderness Area.

Extent of area: From preliminary examination the area appears to be approximately 100 feet wide and 300 feet long and is exposed in the steep slopes on both sides of Miller Creek.

Geology: The country rocks are altered volcanics (tuffs and lavas?), and tuffaceous sediments belonging to the Upper Jurassic Galice formation. A small body of serpentine lies about 1,000 feet west of the deposit. Narrow zones of sheared serpentine are also exposed nearby. The gossan area appears to be mineralized mainly with pyrite, although a minor amount of chalcopyrite was seen in a float specimen. The rock is iron-stained, somewhat bleached and silicified, and contains varying amounts of pyrite from sparse dissemination to compact granular masses.

A float boulder found in Miller Creek below the gossan zone (AAG-73, P-31131) assayed 0.06 ounces/ton gold, 0.40 ounces/ton silver, and 0.20% copper. A spectrographic analysis of the same sample showed no valuable metals other than copper in the range of .01 to 0.1 percent and greater.

A 7-foot vertical channel sample taken across what appears to be a 12 x 60-foot, flat-lying zone of pyrite enrichment on the north side of Miller Creek assayed nil in gold and silver, and a trace of copper.

Due to its apparent size, further investigation (geological, geophysical, and geochemical), and perhaps limited exploration such as trenching and drilling of this mineralized area is indicated.

Visited: 6/23/66 - Bowen & Ramp  
7/23/66 - Newton & Ramp

Report: 5/18/67 - By Len Ramp.

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RECEIVED  
MAY 24 1967  
STATE DEPT. OF GEOLOGY  
& MINERAL INDS.

RECORD IDENTIFICATION

RECORD NO..... M061826  
RECORD TYPE..... XIM  
COUNTRY/ORGANIZATION. USGS  
DEPOSIT NO..... DDGMI 93-17  
MAP CODE NO. OF REC..

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... MILLER CREEK GOSSAN

COUNTRY CODE..... US

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... CURRY

DRAINAGE AREA..... 17100312 PACIFIC NORTHWEST

PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

QUAD SCALE

1: 62500

QUAD NO OR NAME

PEARSOLL PEAK

LATITUDE

42-15-36N

LONGITUDE

123-49-58W

UTM NORTHING

4678775.

UTM EASTING

431300.

UTM ZONE NO

+10

TWP..... 38S

RANGE..... 10W

SECTION.. 13

MERIDIAN. WB & M

ALTITUDE.. 2800-3000

LOCATION COMMENTS: W 1/2 SW 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU AG CU



COMMODITY SUBTYPES OR USE CATEGORIES:  
0.15 AU:AG

ANALYTICAL DATA(GENERAL)  
ODGMI ASSAY RAN 0.06 OZ/TON AU; 0.40 OZ/TON AG; 0.20 % CU

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
MASSIVE SULFIDE ; GOSSAN; GOSSAN  
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL  
MAX LENGTH..... 300 FT  
MAX WIDTH..... 100 FT

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):  
CUTS, SHALLOW

PRODUCTION

UNDETERMINED  
23 SAMPLES - 1971 0.06 AU, 0.4 AG, 0.2 CU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... ALTERED TUFFS, FLOWS  
PERTINENT MINERALOGY..... SILICA

LOCAL GEOLOGY

COMMENTS (GEOLOGY AND MINERALOGY):

GOSSAN IS CHARACTERIZED BY DISSEMINATED TO COMPACT, GRANULAR, STRATIFIED(?) PYRITE WITH MINOR CHALCOPYRITE.

GENERAL REFERENCES

- 1) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. P. 34
- 2) RAMP, L., 1975, GEOLOGY AND MINERAL RESOURCES OF THE UPPER CHETCO DRAINAGE AREA, OREGON; ODGMI BULL. 88, P.