

RECORD IDENTIFICATION

RECORD NO..... NO61844
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGMI 100-282
MAP CODE NO. OF REC..

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... SIXMILE COPPER

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

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

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

QUAD SCALE 1: 62500
QUAD NO OR NAME SELMA

LATITUDE 42-18-17N
LONGITUDE 123-43-49W

UTM NDRTHING 4683650.
UTM EASTING 439800.
UTM ZONE NO +10

TWP..... 37S
RANGE..... 09W
SECTION.. 35
MERIDIAN. WB & M

LOCATION COMMENTS: SW 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU AC CO AU

DRE MATERIALS (MINERALS, ROCKS, ETC.):

ANALYTICAL DATA(GENERAL)

DDGMI SAMPLE ASSAYED 0.10 OZ/TON AU; 0.40 OZ/TON AG; 5.5 % CU; 0.2 % CO

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE SULFIDE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SHALL
MAX WIDTH..... 7 FT
STRIKE OF OREBODY.... N15W
DIP OF OREBODY..... 60E

DESCRIPTION OF WORKINGS
SURFACE

COMMENTS(DESCRIP. OF WORKINGS):
ADIT, CUTS

PRODUCTION

NJ PRODUCTION

23 SAMPLE - 1967 5.5 CU, 0.4 AG, 0.2 CO, 0.01 AU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... GREENSTONE/SERPENTINITE

PERTINENT MINERALOGY..... QUARTZ

IMPORTANT ORE CONTROL/LOCUS.. CONTACT

LOCAL GEOLOGY

COMMENTS (GEOLOGY AND MINERALOGY):

MASSIVE SULFIDES, CHALCOPYRITE AND PYRITE, IN METAVOLCANIC - SERPENTINE CONTACT ZONE.

GENERAL REFERENCES

- 1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; DDGMI BULL. 100 45P
- 2) RAMP, L., 1967, SIXMILE COPPER; DDGMI UNPUBLISHED FILE REPORT

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STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
PROJECT SAMPLE RECORD

ABG-12 - Au, Ag, Co, Cu
13 - Au, Ag
14 - Au, Ag, Cu

RECEIVED
1/26/67

SAMPLES SUBMITTED BY: Len Ramp ADDRESS: P.O. Box 417, Grants Pass, Ore. DATE: 1/26/67

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For
ABG - 12	Sixmile Cu	Grab	Ill. River	SW 1/4 35	37 S	9 W	Au, Ag, Co, Cu
ABG - 13	" "	3' channel	" "	"	"	"	Au, Ag
ABG - 14	" "	2' channel	" "	"	"	"	Au, Ag, Cu

Descriptions:

- ABG - 12 -- Gray vein quartz with some mixed greenstone, chalcopryite, pyrite, minor malachite, and rare erythrite. From discovery cut on east side of Sixmile Creek.
- ABG - 13 -- Cut from highly sheared greenstone-serpentine contact zone about 200 feet north of sample ABG - 12. Contains sheared rock, clay & limonite.
- ABG - 14 -- Cut from 2-foot thick boulder sheared serpentine with abundant malachite on shears lying along west side of sheared contact zone where sample ABG - 13 was taken.

Results:

		GOLD <i>value</i>	SILVER <i>value</i>	COPPER	COBALT
		Oz./ton	Oz./ton	Cu	Co
P-31683	ABG-12	0.10 <i>\$ 3.50</i>	0.40 <i>.52</i>	5.50%	0.20%
P-31684	ABG-13	Trace	Trace	-	-
P-31685	ABG-14	Trace	Nil	1.35%	-

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon
Josephine County
Illinois River Dist.

Sixmile Copper Prospect

Owners: Ernest and Steve McTimmonds, Grants Pass, Oregon.

Area: Two claims held by location.

Location: SW $\frac{1}{4}$ sec. 35, T. 37 S., R. 9 W. at about 1280 feet elevation on Sixmile Creek, approximately $\frac{1}{2}$ mile from Illinois River Road.

History: This is an old prospect relocated recently.

Development: The main discovery cut situated on the east bank of Sixmile Creek is about 10 feet wide and cuts into the bank forming a face about 10 feet high. A smaller prospect cut is situated higher up on the east bank of the creek about 200 feet north of the main cut. Evidence of a caved adit can be seen about 30 feet south of the main cut and 2 or 3 small overgrown slumped-in cuts on the surface above the old adit.

Geology: Country rocks include greenstone, serpentine and some crystalline diorite (?) or recrystallized greenstone. The mineralized shear zone strikes about N. 15° W., and appears to dip 60° E. It cuts through both the serpentine and greenstone and forms the contact for a short distance. Highly sheared serpentine in the zone contains fairly abundant limonite and some malachite coating shears. A 2-foot channel sample across a sheared malachite-coated portion of the serpentine zone taken from the northern cut assayed 1.35 percent copper and trace gold.

At the main cut where the zone cuts through greenstone small pods nearly massive sulfides occur with gray quartz replacing sheared greenstone. A grab sample containing some mixed quartz, greenstone, chalcopryrite, pyrite, minor malachite and rare erytherite assayed 0.01 oz./ton gold, 0.40 oz./ton silver, 5.50% copper, and 0.20% cobalt. The ore zone at the main cut appears to be about 7 feet wide. It pinches to about

- 2 -

3 feet width and contains less indication of mineralization where it cuts through serpentine to the north.

Although not examined on this visit a similar type mineralization is reported to occur a short distance up stream from the mouth of Little Sixmile Creek about where the strike of this shear zone would project through.

The owners intend to do additional exploration along this zone.

Visited: 1/25/67 with owners.

Report: 3/10/67 by Len Ramp.

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