

Portland office

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

BLUFF Prospect (Ni, Cu, Co)

Illinois River Area  
Josephine County

Owners: Peter and Lennie Brooks, Takilma, Oregon. The Bluff claim location notice was filed April, 1952.

Location: NE $\frac{1}{4}$ , sec. 32, T. 37 S., R. 8 W., on the west side of Squaw Creek at an elevation of 2725 feet (A). The property is about  $\frac{3}{4}$  mile by trail N. 15° W of Kennedy Ranch house.

Development: An open cut approximately 15 feet in length with a depth of about 10 feet trends N. 25° E.

Geology: A shear zone in serpentine containing a vein or narrow lens of magnetite varying from  $\frac{1}{2}$  inch to 6 inches in width is exposed in the face and floor of the cut. The magnetite contains some minute grains of a bronze-yellow metallic mineral that is probably pyrrhotite, but some or all of it could be chalcopyrite. Thin films of malachite and possibly some garnierite occur adjacent to the magnetite and in the serpentine surrounding the magnetite lens.

The following samples have been assayed:

Sample No.	% Ni	% Co	% Cu	Remarks
P-12767 (MG-180)	2.11	0.07	0.30	Submitted by Lennie Brooks
P-15147	1.31	0.17	1.90	Submitted by Peter Brooks
P-15282 (MG-349)	.83	0.10	1.60	6 inch channel sample from bottom of location cut; taken by D. J. W.

Visited by: DJW 8-19-52  
Report by: DJW 9-5-52

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street  
Baker, Oregon

1069 State Office Building  
Portland 1, Oregon

239 S.E. "H" Street  
Grants Pass, Oregon

*MG-349  
Co, Cu, Ni, Pt.*

*Your copy*

REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein as fully as possible and submit this blank filled out along with the sample.

Your name in full David J. White (DOGAMI)

Post office address P. O. Box 417 Grants Pass, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 3-22-52

Name (or names) of owners of the property Lennie & Peter Brooks

Are you hiring labor? \_\_\_\_\_

Name of claim sample obtained from Bluff

Are you milling or shipping ore? \_\_\_\_\_

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining district Illinois River

Township 37 S Range 8 W Section 32 Quarter section NE 1/4

How far from passable road and name of road 1/2 mile from Kennedy Ranch at the end of Squaw Creek Road.

Channel (length) Grab Assay for Description

Sample no. 1 x 6 inches Co, Cu, Ni, Pt

Sample no. 2 \_\_\_\_\_  
(Samples for assay should be at least 1 pound in weight.)

(Signed) David J. White

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description Sheared serpentine containing stringers of magnetite, malachite thin seam of garnierite. The magnetite contains small grains of chalcopyrite and possibly pyrrhotite.

Sample number	GOLD		SILVER		PLATINUM	COPPER	NICKEL	COBALT
	oz./T.	Value	oz./T.	Value	Pt	Cu	Ni	Co
P-13282	---	--	---	--	Nil	1.60%	0.83%	0.10%
MG-249								

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 9-5-52 Called for \_\_\_\_\_

*send copy to L. & P. Brooks  
copy sent to Brooks 9/8/52*

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*Copy*

REQUEST FOR SAMPLE INFORMATION

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Your name in full Peter Brooks

Post office address Takilma, Oregon

Are you a citizen of Oregon Yes Date on which sample is sent 7-29-52

Name (or names) of owners of the property Peter Brooks

Are you hiring labor? No

Name of claim sample obtained from Bluff Mine

Are you milling or shipping ore? No

Location of property or source of sample. (If legal description is not known, give location with reference to known geographical point.)

County Josephine Mining district Illinois River

Township 37 S Range 8 W Section 32 Quarter section

How far from passable road and name of road 1/2 mile from Oak Flat road

Channel (length) Grab Assay for Description

Sample no. 1 Ni, Co, Cu

Sample no. 2

(Samples for assay should be at least 1 pound in weight.)

(Signed) Peter Brooks

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Description Weathered serpentine and peridotite, some granierite (?) in thin seams.

Sample number	GOLD		SILVER		NICKEL	COBALT	COPPER
	oz./T.	Value	oz./T.	Value	Ni	Co	Cu
P-13147	- - -	- -	- - -	- -	1.31%	0.17%	1.90%
							- - -

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 8-11-52 Called for \_\_\_\_\_



RECORD IDENTIFICATION

RECORD NO..... M061134  
RECORD TYPE..... XIM  
COUNTRY/ORGANIZATION. USGS  
DEPOSIT NO..... DDGMI 100-286  
MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE M.  
DATE..... 78 08  
UPDATED..... 81 02  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BLUFF PROSPECT

MINING DISTRICT/AREA/SUBDIST. ILLINDIS RIVER

COUNTRY CODE..... US  
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  
42-18-46N            123-39-45W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4684500.            445400.            +10

TWP..... 37S  
RANGE..... 08W  
SECTION.. 32  
MERIDIAN. WB & M

LOCATION COMMENTS: NE 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU   NI   CO   FE

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

ANALYTICAL DATA (GENERAL)

SELECTED SAMPLES ASSAYED 0.83 - 2.11 % NI; 0.07 - 0.17 % CO; 0.30 - 1.90 % CU

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

METAMORPHIC

FORM/SHAPE OF DEPOSIT: LENS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

MAX WIDTH..... 6 INCHES

PRODUCTION

UNDETERMINED

23

0.8-2.1 NI, 0.3-1.9 CU, 0.07-0.1 CO

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... SERPENTINITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: JOSEPHINE PERIDOTITE

AGE: JJR

COMMENTS (GEOLOGY AND MINERALOGY):

LENSES OF MASSIVE MAGNETITE WITH MINOR PYRRHOTITE AND CHALCOPYRITE OCCUR IN SHEARED SERPENTINE.

GENERAL REFERENCES

1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P

2) RAMP, L., 1978, INVESTIGATIONS OF NICKEL IN OREGON; ODGMI MISC. PAPER 20, P.62