

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

BROWN PROSPECT (Malmute Claim) (Pyrrhotite, Cu, Au)

Josephine County  
Waldo Dist.

Owner: Virgil Brown, O'Brien, Oregon.

Area: Three claims held by location.

Location: The prospect lies at about 3,600 feet elevation in the SE $\frac{1}{4}$  of the NE $\frac{1}{4}$  sec. 36, T. 40 S., R. 7 W. It is reached via the Caves Highway (State route 46) 11 miles from U. S. 199 at Cave Junction, then south on the French Peak road for about 4 miles, then via the Bolan Lake Trail road for about 4 $\frac{1}{2}$  miles to the saddle in NW $\frac{1}{4}$  sec 36, then about 2/3 mile down a skid road and trail to an old cabin at about 3,550 feet elevation on MacDonald Gulch which is the first main tributary to Bolan Creek south of French Gulch. The main workings lie around and up the hill about 200 yards south of the cabin.

History: The mineralized zone was prospected by Mr. Puthe in the 1920s and 1930s. There is no known production from the sulfide bearing zone, but MacDonald Gulch both below and above the cabin has been thoroughly worked for placer gold.

Development: Development consists of shallow surface cuts.

Geology: The area is underlain by metamorphosed sedimentary and volcanic rocks of the Upper(?) Triassic Applegate group which have been intruded by small diorite bodies.

Mineralization consists of thickly disseminated to massive pyrrhotite with minor amounts of chalcopyrite in an impure quartzite. The sulfide zone appears to strike northwest and dip NE. Exposures were concealed by caving and slumping of the old workings. Width of the zone at the caved cuts may be as much as 10 feet.

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A sample of a mixture of quartz, gossan, and weathered quartzite from along the south edge of the zone assayed <sup>(P-28204, XG-44)</sup> .01 oz./ton gold and .60 oz/ton silver. A sample of the nearly massive pyrrhotite with minor chalcopyrite in quartzite assayed <sup>(P-28205, XG-45)</sup> .02 oz./ton gold, trace silver, 1.55 percent copper, 0.10 percent nickel, 46.22 percent iron, and 34.06 percent sulfur.

Surface trenching and further sampling were recommended to better expose and evaluate the mineralized zone.

Visited: 3/7/63 - L.R. & N.V.P.

Informant: Virgil Brown.

Report: 4/11/63 by L.R.

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M061871  
RECORD TYPE..... X1M  
COUNTRY/ORGANIZATION. USGS  
INFORMATION SOURCE... 2  
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..... BROWN  
SYNONYM NAME..... MALMUTE

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            OREGON CAVES

LATITUDE            LONGITUDE  
42-02-50N            123-28-06W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4654900.            461250.            +10

TWP..... 40S  
RANGE..... 07W  
SECTION.. 36  
MERIDIAN. WB & M

ALTITUDE.. 3550+

LOCATION COMMENTS: SE 1/4 NE 1/4

PYRRHOTITE, CHALCOPYRITE

ANALYTICAL DATA(GENERAL)

ODGMI SAMPLE ASSAYED 0.02 OZ/TON AU; TRACE AG, 1.55 % CU; 0.10 % NI; 46.22 % FE

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE SULFIDE; DISSEMINATED  
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS  
SURFACE

COMMENTS(DESCRIP. OF WORKINGS):  
CUTS

PRODUCTION

NO PRODUCTION

23 SAMPLE - 1963 1.5 CU, AU, AG, 0.1 NI

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI  
HOST ROCK TYPES..... METAVOLCANIC AND QUARTZITE

PERTINENT MINERALOGY..... "QUARTZITE"

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

- 1) NAME: APPLIGATE GROUP  
AGE: PERM-TRI

GENERAL REFERENCES

- 1) RAMP, L., 1963, BROWN PROSPECT; ODGMI UNPUBLISHED FILE REPORT

XG - 44 -- Au, Ag  
XG - 45 -- Au, Ag, Cu, Fe, Ni, S

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

*See*

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 fully and submit this blank filled out along with the sample.

Your name in full Len Ramp (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Oregon

Are you a citizen of Oregon? \_\_\_\_\_ Date on which sample is sent 3/8/63

Name (or names) of owners of the property Virgil Brown

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

Name of claim sample obtained from Malmute

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 Waldo

Township 40 S Range 7 W Section 33 Quarter section S 1 NE 1

How far from passable road? 3/4 mile Name of road Bolan Lake Trail

Channel (length) Grab Assay for Description

Sample no. 1 x Au, Ag chip from SW wall (foot?)

Sample no. 2 x Au, Ag, Cu, Fe, Ni, S Massive sulfides

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

(Signed) L. R.

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

Sample Description #1 - In part quartz, limonite gossan, weathered quartzite.

#2 - Mixture of quartzite, pyrrhotite, chalcopryite.

Sample number	GOLD		SILVER		COPPER	IRON	NICKEL	SULPHUR
	oz./T.	Value	oz./T.	Value	Cu	Fe	Ni	S
P-28204 XG-44	0.01	\$0.35	0.60	\$0.54	- - -	- - -	- - -	- - -
P-28205 XG-45	0.02	\$0.70	Trace	- -	1.55%	46.22%	0.10%	34.06%

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 3-21-63 Called for \_\_\_\_\_

*send copy to virgil Brown  
(sent 3/22/63)*