

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

## DOTTIE MAY CHROMITE

Josephine Co.  
Waldo Dist.

Owners: Richard M. Dixon and Sybil Nettie Sowell, Cave Junction.

Location: The deposit is located at the end of a narrow road down from the top and northeast around the side of Woodcock Mountain in the NW $\frac{1}{4}$  of sec. 30, T. 39 S., R. 8 W. It is .6 of a mile from the top of the mountain and about 4 $\frac{1}{4}$  miles from U. S. Highway 199, via West Side Road.

Development: A shallow open cut about 20 x 50 feet and a 16-foot tunnel into the hillside (west) are the extent of workings.

Geology: About 6 tons of low-grade chromite were piled outside the portal. The chromite occurs as fairly massive but narrow streaks and disseminated grains in a partly serpentized dun-colored dunite. A small amount of chromite was seen in place on both sides of the west-trending tunnel about 12 feet in from the portal. It apparently occurs in a narrow, north-trending zone.

The disseminated chromite grains are fairly coarse. They are up to  $\frac{1}{4}$  inch in diameter but will average  $\frac{1}{8}$  inch.

A sample of chromite from the deposit was submitted to the Department for assay by Nettie Sowell (6/30/53). The sample (P-14706, NG-235) assayed 25.02 percent Cr<sub>2</sub>O<sub>3</sub> and 9.12 percent Fe. The percentage of silicate minerals was not recorded. A later sample taken at the time the deposit was visited (P-21602, RG-318) assayed 23.30 percent Cr<sub>2</sub>O<sub>3</sub>, 10.20 percent Fe, 29.67<sup>percent</sup> Al<sub>2</sub>O<sub>3</sub>, and 8.33 percent SiO<sub>2</sub>.

Date visited: 6/4/57.

Report by: Len Ramp 7/22/57.

\* \* \* \* \*

RG - 318  
Cr<sub>2</sub>O<sub>3</sub>, Fe, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>

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

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 Len Ramp (DOGAMI)

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

Are you a citizen of Oregon? Yes Date on which sample is sent 7-23-57

Name (or names) of owners of the property Richard Dixon & Nettie Sowell

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

Name of claim sample obtained from Dottie May

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 39 S Range 8 W Section 30 Quarter section NW

How far from passable road? .6 mi. At end Mine Rd. Name of road Wood Cock Mtn.

Channel (length) Grab Assay for Description

Sample no. 1 \_\_\_\_\_ x Cr<sub>2</sub>O<sub>3</sub>, Fe, SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>

Sample no. 2 \_\_\_\_\_  
(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 Coarse-grained chromite with some intergranular serpentine and dunite gangue - about 15%

Sample number	GOLD		SILVER		CHROME	IRON	SILICA	ALUMINA
	oz./T.	Value	oz./T.	Value	Cr <sub>2</sub> O <sub>3</sub>	Fe	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>
RG-318 P-21602	---	---	---	---	23.30%	10.20%	8.33%	29.67%

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 9-25-57 Called for \_\_\_\_\_

OG-473  
Cr<sub>2</sub>O<sub>3</sub>, Fe

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OG-474  
Cr<sub>2</sub>O<sub>3</sub>, Fe, SiO<sub>2</sub>

REQUEST FOR SAMPLE INFORMATION

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Your name in full Ray Evans

Post office address R 1 Box 780 Cave Junction, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 11-19-54

Name (or names) of owners of the property Leased from Nettie Sowell

Are you hiring labor? No Are you milling or shipping ore? No

Name of claim sample obtained from \_\_\_\_\_

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 39 S Range 8 W Section 30 Quarter section \_\_\_\_\_

How far from passable road and name of road 4 miles from West Side road

Channel (length)    Grab    Assay for    Description

Sample no. 1    \_\_\_\_\_    x    Cr<sub>2</sub>O<sub>3</sub>, Fe    From Nettie Chrome claim

Sample no. 2    \_\_\_\_\_    x    Cr<sub>2</sub>O<sub>3</sub>, Fe, SiO<sub>2</sub>    Picked high grade from Honey Boy claim  
(Samples for assay should be at least 1 pound in weight)

(Signed) Ray Evans

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Description No. 1 - Coarse-grained massive chromite with minor weathered and leached peridotite. No. 2 - Coarse-grained, lustrous chromite with some dunite and serpentine from disseminated ore.

Sample number	GOLD		SILVER		CHROME	IRON	SILICA	
	oz./T.	Value	oz./T	Value	Cr <sub>2</sub> O <sub>3</sub>	Fe	SiO <sub>2</sub>	
P-17574 OG-473	---	--	---	--	18.44%	11.96%	---	---
P-17575 OG-474	---	--	---	--	21.48%	10.20%	---	---

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 12-6-54 Called for \_\_\_\_\_

OG-473  
 $Cr_2O_3, Fe$   
 OG-474  
 $Cr_2O_3, Fe, SiO_2$

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REQUEST FOR SAMPLE INFORMATION

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Your name in full Ray Evans

Post office address P.O. Box 780 Cave Junction, Ore

Are you a citizen of Oregon? yes Date on which sample is sent 11/19/54

Name (or names) of owners of the property leased from Nettie Sewell

Are you hiring labor? no Are you milling or shipping ore? no

Name of claim sample obtained from \_\_\_\_\_

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 Walden

Township 39S Range 8W Section 30 Quarter section \_\_\_\_\_

How far from passable road and name of road 4 mi from West Side Road

	Channel (length)	Grab	Assay for	Description
Sample no. 1	_____	X	$Cr_2O_3, Fe$	from Nettie Chrome Claim
Sample no. 2	_____	X	$Cr_2O_3, Fe, SiO_2$	Picked high grade from Nancy Bo claim

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

(Signed) Ray Evans

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Description #1 Coarse grained massive chromite with minor weathered and leached peridotite #2 coarse grained lusterous chromite with some denite and serpentine from disseminated ore

Sample number	GOLD		SILVER				
	oz./T.	Value	oz./T	Value			

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed \_\_\_\_\_ Called for \_\_\_\_\_

DRE MATERIALS (MINERALS, ROCKS, ETC.):  
CHROMITE

COMMODITY COMMENTS:  
HIGH ALUMINA

ANALYTICAL DATA (GENERAL)

25.02% CR<sub>2</sub>O<sub>3</sub>, 9.12% FE; MASSIVE REFRACTORY DRE - 23.30% CR<sub>2</sub>O<sub>3</sub>, 10.20% FE, 29.67% AL<sub>2</sub>O<sub>3</sub>, 8.33% SiO<sub>2</sub>

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: NARROW STRINGERS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

STRIKE OF DREBODY..... NORTH

COMMENTS (DESCRIPTION OF DEPOSIT):

6 TONS OF LONG GRADE PILED

PRODUCTION

UNDETERMINED

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... DUNITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: JOSEPHINE PERIDOTITE

AGE: JUR

GENERAL COMMENTS

RECORD NUMBER (M013279) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES

1) RAMP, LEN, 1951, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.

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

CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061652  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... DDGMI 100-376  
 MAP CODE NO. OF REC..

## REPORTER

UPDATED..... B1 02  
 BY..... FERNS MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... DOTTIE MAY

MINING DISTRICT/AREA/SUBDIST. WALDO

COUNTRY CODE..... US  
 COUNTRY NAME: UNITED STATES

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

COUNTY..... JOSEPHINE  
 DRAINAGE AREA..... 17100B11 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 49

QUAD SCALE QUAD NO OR NAME  
 1: 62500 CAVE JUNCTION

LATITUDE LONGITUDE  
 42-09-10N 123-41-48W

UTM NORTHING UTM EASTING UTM ZONE NO  
 4666750. 442450. +10

TWP..... 39S  
 RANGE..... 08W  
 SECTION.. 30  
 MERIDIAN. W.M.

ALTITUDE.. 3120

## COMMODITY INFORMATION

COMMODITIES PRESENT..... CR