

State ~~DEPARTMENT~~ of Geology and Mineral Industries

JUN 7 1957
STATE DEPT. OF GEOLOGY
& MINERAL INDS.

Preliminary Report

1069 State Office Building
Portland 1, Oregon

PS19

PARADISE CHROME

Josephine Co.
Illinois River Dist.

Owner: Max E. Hughes, Murphy, Oregon, under lease to Deer Creek Chrome Company.

The lease was purchased by Paul E. Lea and Dr. Robert DeLorme, Medford, who requested the inspection.

Location: $W\frac{1}{2}$ of the $SE\frac{1}{4}$ of sec. 33, T. 38 S., R. 6 W., near the headwaters of South Fork Deer Creek. The mine is on the north side of the creek at 3120 feet elevation. It is reached by the Deer Creek road and is 14 miles southeast of Selma (U.S. 199).

Workings and History: The open cut area is approximately 150 x 200 feet. A tunnel running into the hill in a northeast direction was 77 feet long (4/17/57). A mill is reportedly being constructed at the property. A mill had been located at the mine previously, but was removed after running through only a small amount of ore (judging from the tailings).

Geology: The deposit is situated near the west edge of a north-trending lens-shaped serpentine body which is approximately $\frac{1}{4}$ mile wide and 1 mile long as shown on the Grants Pass geologic map (Wells and others, 1940). The serpentine and chromite zone have suffered considerable shearing. The chromite zone is exposed near the center of the open cut area. It varies from a few inches up to about 4 feet thick. The zone strikes approximately N. 15° E. and dips 65° SE. The chromite zone has been intruded by a hornblende diorite dike up to 8 feet thick which appears partly altered to rodingite. The dike which has cut through the chromite zone has also been offset by later faulting. Another dike, about

PARADISE CHROME

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10 feet wide, of similar composition, but partly decomposed was seen in the cut about 20 feet west of the ore zone.

A $3\frac{1}{2}$ foot chip sample across the face of chromite 77 feet from the portal (RG-154, P-21108) assayed 28.76 percent Cr_2O_3 , 8.90 percent Fe, and 14.90 percent SiO_2 . Both disseminated and massive chromite occur in the zone in about equal portions. The west edge of the zone (base) appears more massive. A sample of concentrates (OG-150, P-16410) submitted in 1954 by John S. Buckley, Grants Pass, assayed 40.82 percent Cr_2O_3 and 14.09 percent Fe. The Cr:Fe ratio is 1.9.

A narrow zone of slate is exposed in the road about 100 yards west of the cut. The slate trends N. 25° E. and dips 60° SE.

Visited: 4/17/57 P.M.

Report by: Len Ramp 5/9/57.

Informants: Max Hughes, Paul Lea, and Robert DeLorme.

Reference: Wells, F. G., and others

1940 Preliminary geologic map of the Grants Pass quadrangle, Oregon: Oregon Dept. Geol. & Min. Ind. Map.

* * * * *

COPY

OG - 443
 $\text{Cr}_2\text{O}_3, \text{Fe, SiO}_2$

2033 First Street
Baker, Oregon

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

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 M. E. Hughes

Post office address P.O. Box 13 Murphy, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 10-28-54

Are you hiring labor? No Yes Are you milling or chipping ore? No Yes

Name of claim sample obtained from: Paradise #2

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 38 S Range 6 W Section 33 Quarter section SW 1/4

How far from passable road? 6 miles from end of Name of road Williams Road
Road to property.

Sample no. 1 30¹ Cr₂O₃, Fe, SiO₂

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

(Signed) M. E. Hughes

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

Sample Description Massive chromite with some mixed talc and serpentine.

Sample number	GOLD		SILVER		CHROME	IRON	SILICA	
	oz./T.	Value	oz./T.	Value	Cr_2O_3	Fe	SiO_2	
P-17459 OG-443	---	---	---	---	42.80%	10.30%	8.82%	---

Report issued _____ Card filed _____ Report mailed 11-15-54 Called for _____

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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, OregonAre you a citizen of Oregon? Yes Date on which sample is sent 4-19-57Name (or names) of owners of the property Max Hughes

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Paradise #2

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 WaldoTownship 38 S Range 6 W Section 33 Quarter section SE 1/4How far from passable road? End Name of road Deer Creek Rd.

Channel (length)	Grab	Assay for	Description
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Sample no. 1 Chip 3½ Ft. Cr₂O₃, Fe, SiO₂ From face of tunnelSample no. 2 _____
(Samples for assay should be at least 1 pound in weight)(Signed) Len Ramp

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

Sample Description Massive and disseminated chromite with some associated serpentine.

Sample number	GOLD		SILVER		CHROME <chem>Cr2O3</chem>	IRON Fe	SILICA <chem>SiO2</chem>	
	oz./T.	Value	oz./T.	Value				
P-21108	---	--	---	--	28.76%	8.90%	14.90%	---
RG-154								

Report issued _____ Card filed _____ Report mailed 5-31-57 Called for _____