

July 1, 1942

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon  
Middle Area

## RICE CHROME

Owner: V. C. Donavin, Myrtle Creek, under lease to J. A. Rice, Myrtle Creek, Oregon.

Location: Sec. 21, T. 29 S., R. 5 W., about 2 miles north of Myrtle Creek, Oregon, and east of the S.P. railroad, along a ridge that trends toward Brushy Butte.

Area: Deeded land of several hundred acres.

History: Mr. Rice began prospecting in July 1941, and removed some chrome during the summer and fall of 1941.

Development: Some 20 tons of high grade chrome have been removed from a pit 350 feet above the railroad. Chrome float has lead to extensive surface trenching at a number of points higher on the ridge but only small "bunches" of chrome have been found.

Geology: A band of ultra basics trend N. 45° E. up the hillside and a portion is serpentized. Some of the serpentine is light colored as if silicified. The chromite is quite hard and black and granular and assays 47 percent. It is slickensided with uvarovite (?) developed along the "slicks". The first pod of 20 tons was found 350 feet above the railroad, and was 6 feet wide at the widest point. It trended about N. 45° E. and dipped N.W. at a low angle. Over the ridge to the north, at 375 feet above the railroad about ½ ton of chrome has been taken from numerous small pods at the surface.

Up the ridge N. 30° E. from the first pod, and 575 feet above the railroad is 200 feet of trenching that trends due north. Several small "bunches" of chrome were found, not to exceed ½ ton. The wall rock is well serpentized, with some magnesite (?) on the east wall.

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## RICE CHROME (continued)

Higher on the ridge is a small spot of copper sulphides, about 800 feet above the railroad. Some copper oxide stain and a purplish-black mineral were seen. The copper "zone" trends about N. 20° E. The rock is reported to assay 4 percent copper. While the copper is in serpentine, aplite outcrops below and to the west about 200 feet.

Informant: R.C.T. & J.E.A. 6/16/42  
Analyses by: R. H. B.

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RECEIVED  
JUL 21 1942

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Portland, Oregon

RICE CHROME AND MAGNESITE

RIDDLE DISTRICT, DOUGLAS COUNTY

STATE ASSAY LABORATORY  
GRANTS PASS, OREGON

Owner: V.C. Dunnavin, *Myrtle Creek, Oreg.*

Lessee: James A. Rice, Myrtle Creek, Oregon.

Area: About 2,000 acres.

Location: In sec. <sup>21?</sup>20, T. 29 S., R. 5 W. The workings are 940 feet in elevation about  $\frac{1}{2}$  mile <sup>east?</sup> ~~north~~ of the railroad and the river about two miles north of the town of Myrtle Creek, Riddle District, Douglas County, Oregon. They may be approached to within  $\frac{1}{2}$  mile by a good road.

History: Mining on small chromite kidneys commencing in July, 1941. At the present time two kidneys have been excavated totalling about 20 or 30 tons of fairly good grade ore.

Geology: The deposits lie in a band of serpentine about 1 mile wide which trends in a N. 45° E. direction having been intruded into meta-gabbro, with Myrtle formation lying adjacent to it on the east (Diller 98). The serpentine is highly altered and slickensided, with development of numerous bastite veinlets and magnesite stringers and kidneys. Near the chromite kidneys the serpentine is extremely altered, largely to talc and is lighter green in color than usual. There are occasional rounded silicified pale green "boulders". Occasional small dikes of dense gray andesite or diabase also occur in the chromite zone.

Of the two chromite kidneys, the upper is said to have trended N. 75° W. and dipped about 25° to 30° to the north. It was 7 or 8 feet wide and about 6 feet thick, tapering off for about 10 feet towards the west. The lower orebody was so broken as to be almost unrecognizable in dimension but about 10 tons of slightly lower grade ore were removed.

Development: Several hundred feet of shallow trenching and 4 open cuts up to 10

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feet in depth have been dug around the main kidneys during the prospecting and mining. A thousand feet northeasterly up the ridge an area 20 x 30 feet was prospected thoroughly and about 500 pounds of float recovered. Several smaller cuts along the ridge to the northeast expose small amounts of float. Another thousand feet to the northeast kidneys of magnetite and copper sulphide occur about 100 yards north of an aplite dike. Analysis of a sample from one of these kidneys gave copper, 4.1%; gold, .01%; nickel, trace; chromium, trace.

*Identical copy*

Economics: Mr. Rice has prospected the area carefully and meticulously in the correct "pocket tracing" manner and he has done a very good job for the amount of chromite recovered. It is probable that further work in this area is not justified by the size of the orebodies so far recovered.

Report by: JEA, June 16, 1942

Reference: Diller, J.S., U.S. Geological Survey Atlas, Roseburg folio #49, 1898.

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Riddle Area

## RICE CHROME

I'm afraid that Mr. Rice has found most of the chrome in the vicinity. The general occurrence suggests numerous small pods, too small to justify any particular expenditure searching for them. Rice is most enthusiastic about his magnesite. Some magnesite was seen but principally as small pods in the serpentine. By no stretch of the imagination could it be economic.

The chrome would require about a mile of road or skid road to get it off the hill; then over 2 miles of constructed road to Myrtle Creek, plus shipment to stockpile. Unless Rice can uncover some 30 more tons of chromite, I fear that under present conditions, it cannot be removed.

Ray C. Treasher  
Field Geologist  
July 1, 1942.

CONFIDENTIAL

RECORD IDENTIFICATION

RECORD NO..... M020170  
RECORD TYPE..... X1M  
INFORMATION SOURCE... 1  
MAP CODE NO. OF REC..

REPORTER

NAME..... FERNS, MARK L. (BROOKS, HOWARD C.)  
AFFILIATION..... ODGMI  
DATE..... 81 01

NAME AND LOCATION

DEPOSIT NAME..... A MINE  
SYNONYM NAME..... RICE CHROME

MINING DISTRICT/AREA/SUBDIST. RIDDLE

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

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

COUNTY..... DOUGLAS  
DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PROV..... 13 KLAMATH MTNS  
LAND CLASSIFICATION..... 01

QUAD SCALE            QUAD NO OR NAME  
1: 62500              ROSEBURG

LATITUDE              LONGITUDE  
43-02-52N              123-18-12W

UTM NORTHING          UTM EASTING          UTM ZONE NO  
4765950                  475300                  +10

TWP..... 029S  
RANGE.... 005W  
SECTION.. 20 21  
MERIDIAN. WILLAMETTE

ALTITUDE.. 1000 FT

LOCATION COMMENTS: NE 1/4 SEC 20, NW 1/4 SEC 21

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: PODIFORM

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT.....	SMALL	
MAX WIDTH.....	8	FT
MAX THICKNESS.....	6	FT
STRIKE OF OREBODY....	N75W	
DIP OF OREBODY.....	25-30N	

DESCRIPTION OF WORKINGS  
SURFACE

COMMENTS(DESCRIP. OF WORKINGS):

SEVERAL HUNDRED FEET OF SHALLOW TRENCHING AND FIVE OPEN CUTS UP TO 15 FT DEEP

PRODUCTION

YES

SMALL PRODUCTION

PRODUCTION COMMENTS..... LESS THAN 50 TONS TOTAL PRODUCTION, MOSTLY IN 1941 AND X 1952

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS.....	JUR
HOST ROCK TYPES.....	SERPENTINIZED HARZBURGITE

AGE OF ASSOC. IGNEOUS ROCKS..	JUR
IGNEOUS ROCK TYPES.....	SERPENTINIZED HARZBURGITE

GENERAL REFERENCES

- 1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON; ODGMI BULL. 75, P. 17
- 2) RAMP, L., 1961, CHROMITE IN SOUTHWESTERN OREGON; ODGMI BULL. 52, P. 119

LG-567

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
ASSAY LABORATORY

REQUEST FOR SAMPLE INFORMATION

The State Law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full H. D. Wolfe

Post office address DOGAMI, Grants Pass, Oregon

Are you a citizen of Oregon yes Date on which sample is sent 9-18-51

Name (or names) of owners of the property F. McCormick

Name of claim sample obtained from deededland

Location of property or source of sample (describe as accurately as possible below):  
(If legal description is not known, give location with reference to known geographical point.)

County Douglas Mining district Riddle

Township 29 S Range 5 W Section 20 Quarter section \_\_\_\_\_

How far from passable road and name of road 1/2 mile to Hwy. 99

	Channel (length)	Grab	Assay for	Description
Sample no. 1		X	Spec. and Cu	magnetite with chalcocite and malachite
Sample no. 2				

(Samples for assay should be at least 1 pound in weight; clay samples for ceramic testing, at least 5 pounds.)

**IMPORTANT:** A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. D. Wolfe

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

Description magnetite in serpentine. chalcocite (?) occurs as disseminated grains. Malachite occurs along fractures planes

Sample number	GOLD		SILVER		Copper Cu			
	oz./T.	Value	oz./T.	Value				
LG-567	- - -	- -	- - -	- -	2.90%	- - -	- - -	- - -
P-11978								

Report issued \_\_\_\_\_ Card filed \_\_\_\_\_ Report mailed 11-2-51 Called for \_\_\_\_\_



General Laboratory Number P-11978 LG-567

Date Rec'd. 11-3-51

QUALITATIVE SPECTROGRAPHIC ANALYSIS  
(Quantities estimated to nearest power of ten)

1. Elements present in concentrations over 10%.  
Silicon, iron
  
2. Elements present in concentrations 10% - 1%.  
Magnesium, copper
  
3. Elements present in concentrations 1% - 0.1%.  
Aluminum, calcium, chromium, nickel
  
4. Elements present in concentrations 0.1% - .01%.  
Sodium, potassium, manganese, vanadium, cobalt
  
5. Elements present in concentrations .01% - .001%.  
Molybdenum, strontium, boron
  
6. Elements present in concentrations below .001%.  
Barium