

August 6, 1948 *FW*

State Department of Geology and Mineral Industries

Brown Scratch (which see)  
YAN GWIN CHROMITE

702 Woodlark Building  
Portland, Oregon  
Illinois River area  
Jos. Co.

Owner: James G. Gallaher, 1008 East "I" Street, Grants Pass, Oregon.

Location: SE $\frac{1}{2}$  sec. 34, T. 36 S., R. 9 W., on Red Dog creek. Reached via Oak Flat, thence road to Briggs creek; ford Briggs creek and take all left hand turns to Red Dog creek. Ford Red Dog and the mine is on the east side and above the creek. Roads are steep and narrow and dry weather roads only. Selma-Oak Flat = 24 miles; Oak Flat-Briggs creek = 2.05 miles; Briggs creek-Red Dog creek = 2.85 miles.

Area: One claim.

Development: Lower adit 55' long driven to cut the bottom of a lense exposed above. Stopped out from adit to the surface.

Upper adit is 150' above. It is 36' long on a 3' lense of ore.

Geology: Country rock is serpentized dunite. Adjacent to the ore pods, it is well altered and slaked to serpentine. The chromite is shiny black and granular with a dark chocolate streak. Small 1"-2" masses of serpentized dunite lie within the chromite, thoroughly softened; sometimes with chromite grains scattered through them. Other areas have chrome grains disseminated through the softened serpentine. Narrow 1/8" stringers of serpentine cut some of the chrome. The pod walls are irregular but well defined.

In the upper adit, chrome 3' wide is in the east face. The pod trends S. 50° E., dips 55° S.W. and rakes S.E. at a very flat angle. On the W. side the chromite is 1' wide, and definitely is in a shear zone. The pod seems to be flat lying.

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

## Van Gwyn chromite (continued) -2-

In the lower adit, a pod has been mined out. It was almost vertical, about  $75^{\circ}$  and appears to have pitched about S.  $30^{\circ}$  E. or perhaps even S.  $50^{\circ}$  E. The outline of the walls is tortorous. A small amount of chrome is piled out at the surface outcrop of the pod. Apparently it is mined out.

Informant RCG 8/4/42

See also C.

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

## BROWN SCRATCH CHROMITE

See also CF

Illinois River area

Owner: C. S. Fisher, Selma, Oregon.

Location: sec. 3, T. 37S., R. 9W., on Red Dog Creek, Reached via Oak Flat, thence road to Briggs creek; ford Briggs creek and take all left hand turns to Red Dog creek. Ford Red Dog and the mine is on the east side and above the creek. Roads are steep and narrow and dry weather roads only. Selma-Oak Flat = 24 miles; Oak Flat-Briggs creek = 2.05 miles; Briggs creek-Red Dog creek = 2.85 miles.

Area: 3 claims, Red Scratch, Brown Scratch, and Center. Development work is on Brown Scratch.

Development: Lower adit 55' long driven to cut the bottom of a lense exposed above. Stopped out from adit to the surface. Upper adit is 150' above. It is 36' long on a 3' lense of ore.

Geology: Country rock is serpentized dunite. Adjacent to the ore pods, it is well altered and slicked to serpentine. The chromite is shiny black and granular with a dark chocolate streak. Small 1"-2" masses of serpentized dunite lie within the chromite, thoroughly softened; sometimes with chromite grains scattered through them. Other areas have chrome grains disseminated through the softened serpentine. Narrow 1/8" stringers of serpentine cut some of the chrome. The pod walls are irregular but well defined.

In the upper adit, chrome 3' wide is in the east face. The pod trends S. 50° E., dips 55° S.W. and rakes S.E. at a very flat angle. On the W. side the chromite is 1' wide, and definitely is in a shear zone. The pod seems to be flat lying.

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Portland, Oregon

BROWN SCRATCH CHROMITE (continued) -2-

In the lower adit, a pod has been mined out. It was almost vertical, about  $75^{\circ}$ , and appears to have pitched about S.  $30^{\circ}$  E. or perhaps even S.  $50^{\circ}$  E. The outline of the walls is tortorous. A small amount of chrome is piled out at the surface outcrop of the pod. Apparently it is mined out.

Informant: R.C.T. 8/4/42

see files for May and Statement.

See also Conf.

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Portland, Oregon

## BROWN SCRATCH CHROMITE

Illinois River area

The upper adit has about 30 tons of chromite mined out of which 15 tons is still in the chute. I would estimate that the pod is 2/3 mined out. Lower adit has been mined out, and there is no data on the size of the lens. There is about 5 tons of the dump. Total amount of ore in sight is 35 tons. Possible 65 tons.

Analyses that have been made on this ore are as follows:

	<u>CR<sub>2</sub>O<sub>3</sub></u>	<u>Fe</u>
BG-1067	40.3	
BG-1211	31.7	
BG-1304	45.4	
BG-1305	35.2	
CG-1	50.8	
CG-240	47.7	

Ray C. Treasher  
August 4, 1942.

CONFIDENTIAL

RECORD IDENTIFICATION  
 RECORD NO..... M015247  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 FILE LINK ID..... CONSV  
 MAP CODE NO. OF REC..

REPORTER  
 NAME..... LEE, W.  
 DATE..... 77 01

NAME AND LOCATION  
 DEPOSIT NAME..... BROWN SCRATCH CLAIM

MINING DISTRICT/AREA/SUBDIST. ILLINOIS RIVER

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

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

COUNTY..... JOSEPHINE

QUAD SCALE 1: 62500  
 QUAD NO OR NAME SELMA QUAD.

TWP..... 037S  
 RANGE..... 009W  
 SECTION.. 03  
 MERIDIAN. WM

LOCATION COMMENTS: A 1/2 N 1/2

COMMODITY INFORMATION  
 COMMODITIES PRESENT..... CR

EXPLORATION AND DEVELOPMENT  
 STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):  
 DEVELOPED BY 3 TUNNELS AND A BULLDOZER CUT.

PRODUCTION COMMENTS..... ABOUT 40 TONS REPORTED

GEOLOGY AND MINERALOGY

HOST ROCK TYPES..... COUNTRY ROCK IS A BLOCKY TO SHEARED SERPENTINIZED PERIDOTITE WHICH VARIES IN COMPOSITION FROM ALIVINE-RICH SAXONITE TO DUNITE.

IMPORTANT ORE CONTROL/LOCUS.. ORE IS A THICKLY DISSEMINATED TO MASSIVE CHROMITE IN ALTERED DUNITE.

GENERAL REFERENCES

1) DDCMI BULL. 52, P. 151

CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061640  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... DDGMI 100-217  
 MAP CODE NO. OF REC..

## REPORTER

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

## NAME AND LOCATION

DEPOSIT NAME..... BROWN SCRATCH

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  
 1: 62500

QUAD NO OR NAME  
 SELMA

LATITUDE  
 42-23-13N

LONGITUDE  
 123-44-40W

UTM NORTHING  
 4692800.

UTM EASTING  
 438725.

UTM ZONE NO  
 +10

TWP..... 36S 37S  
 RANGE..... 09W 09W  
 SECTION.. 34 03  
 MERIDIAN. N.M.

ALTITUDE.. 1850

## COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):

MAJOR PRODUCTS.. CR

CORROSION COMMENTS:  
HIGHLY CRUSHED, IMPREGNATED WITH TALC

ANALYTICAL DATA(GENERAL)

ASSAYS RANGE FROM 38 TO 49.7% CR2O3, & 11 TO 13% FE

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. B

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE, DISSEMINATED

FORM/SHAPE OF DEPOSIT: STRINGER

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
MAX WIDTH..... 1.5 FT  
STRIKE OF DREBODY.... N18W  
DIP OF DREBODY..... 55NE

DESCRIPTION OF WORKINGS  
SURFACE AND UNDERGROUND

PRODUCTION  
YES  
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMOD., CONC., OVERBURD.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE EST		.035	TONS	1942	35% CR2O3
21 TOTAL		.035	TONS	35.00	% CR2O3 (WEIGHTED AVERAGE GRADE)

PRODUCTION COMMENTS..... IN 1942, LOWER ADIT MINED OUT, UPPER ADIT HAD ORE

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... SAXONITE, DUNITE

GENERAL REFERENCES

- 1) RAMP, LEN, 1961, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.
- 2) THAYER, T. P., 1974, UNPUBL. DATA
- 3) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P