

July 17, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

WHITE ROCK CHROMITE

Powers Area

Large blocks of chromite, some weighing 5 tons, are found scattered over a serpentine hillside. About 40 tons of this float have been taken out. The owners hope to locate solid-rock chromite, and if so, this property has considerable promise.

Owners: Matt Coy, James Kelland, D. C. Needham, Pete Larsung, G. J. Hill, Marshfield, Oregon.

Location: NE $\frac{1}{4}$ sec. 21, T. 32 S., R. 12 W., on the north side of Johnson Creek near Salmon Mountain.

Area: Three claims located July, 1941.

History: Originally owned by John Olson. During 1917 chrome was packed out of here by pack string. (Pete Matthews of Marshfield was one of the packers). Reported to have produced 80-100 tons. Olson died and the present owners fell heir to the claim.

Development: Several cuts and trenches. The owners are about to bulldoze off a large area near the upper edge of the claim. The Dry Creek road up from China Flat is being improved and extended to the claim. A good cabin and spring are developed. About 40 tons of high grade float chrome have been mined out.

Geology: A serpentine area is surrounded by Myrtle sediments. The ~~serpentine largely is altered to serpentite.~~ Overburden is heavy. The chrome occurs as large discrete masses in the overburden and seems to be concentrated in a small gulch. It is reported that chrome can be found through the brush over a wide area.

The chrome is granular to platy and contains $\frac{1}{4}$ - $\frac{1}{8}$ " seams of uvarovite (?). The grade is reported as high, plus 50%.

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White Rock Chromite (continued) -2-

Only at the upper end of the claims has bedrock been struck, to the left of the largest cut. from which most of the chrome came. The "float" may represent a kidney that is gone or it may be float from a large kidney still in place. Careful prospecting in solid rock, to be exposed by bulldozing, may indicate the location of a good-sized body.

Informant: Ray G. Treasher, 7/8/42.

See also C. F.

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No solid rock chromite has been found, 7/8/42. However, the float is large, $\frac{1}{2}$ -1 ton masses, so the ore came from a large mass. The large pieces are very angular. The owners plan to bulldoze a large area at the head of the float to see if they can find any indications of chrome pods or stringers. I believe their chances are fairly good.

The road is steep, - it averages 1200' for $2\frac{1}{2}$ miles, or roughly 10%. At present it is a fair weather road with grades up to 20%. The owners have made a deal with Jim Rockard to take out the chrome for 50% of the sales price.

If solid rock ore is found, an access road is justified as the present road is good only for 3 months and for loads of not over 2 tons.

Ray C. Treasher
Field Geologist
July 8, 1942.

CONFIDENTIAL

RECORD IDENTIFICATION

RECORD NO..... M061364
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
UPDATED..... 81 04
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... WHITE ROCK
SYNONYM NAME..... CHROME FLOAT GROUP

MINING DISTRICT/AREA/SUBDIST. POWERS

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

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

COUNTY..... COOS
DRAINAGE AREA..... 17100305 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME
1: 62500 POWERS

LATITUDE LONGITUDE
42-47-01N 124-06-35W

UTM NORTHING UTM EASTING UTM ZONE NO
4737180.0 409240.0 +10

TWP..... 32S
RANGE..... 12W
SECTION.. 21 15
MERIDIAN. WILLAMETTE

ALTITUDE.. 2800

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):

ANALYTICAL DATA (GENERAL)
ASSAY 42.63% CR2O3 AND 13.02% FE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4
PROPERTY IS INACTIVE

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
MASSIVE CHROMITE
FORM/SHAPE OF DEPOSIT: LENSES

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS
SURFACE

COMMENTS (DESCRIP. OF WORKINGS):
2 OPEN CUTS: NORTHERN CUT IN SEC. 15 IS 200 FT IN DIAMETER; SOUTHERN CUT IN SEC. 21 IS 200 FT LONG TRENCH 20 FT DEEP

PRODUCTION
YES
SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE EST		.100	TONS	1917	
2 ORE EST		.040	TONS	1942	
21 TOTAL		.140	TONS		

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR
HOST ROCK TYPES..... SERPENTINE

GENERAL REFERENCES

- 1) RAMP, LEN, 1951, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.
- 2) BALDWIN, E.M. AND OTHERS, 1973, GEOLOGY AND MINERAL RESOURCES OF COOS COUNTY, OREGON; ODGMI BULL. 80, P.53