

July 28, 1942. *JA*

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon
Agness Area

NORTH STAR CHROME

About 10 tons of chromite is exposed in a small pod $1\frac{1}{2}$ miles north of Illahee postoffice. There is no road to the property. Prospecting may expose more ore.

OWNER: R. J. Meservey, Illahee, Oregon. Under lease to J. E. Rookard, Myrtle Point, Oregon.

Location: NW $\frac{1}{4}$ sec. 14, T. 34 S., R. 12 W., $1\frac{1}{2}$ miles up Two-Mile Way from Illahee, and 1125 feet higher in elevation.

Area: One claim, discovered in 1921. Location notice dated April 20, 1941.

Development: One out exposes chrome 15 feet by 4 feet by 1.5 feet or 90 cu. feet which means about $7\frac{1}{2}$ tons in place, in sight. Some chrome is scattered over the dump. Probably 10 tons in sight.

Geology: As nearly as can be determined, the chromite lens trends due N-S., and may stand almost vertical. Chrome at the north end is granular, shiny black, and grades into softer ore that is white speckled. The south end has some serpentine "~~horst~~^es" and the ore is soft, almost like sand. Chrome float is found over the general area so it is possible that more will be found.

Informant: RCT, 7/13/42.

See C.F.

July 28, 1942

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon
Agness Area

NORTH STAR CHROME

The owner desires a royalty of 10%. He will not mine it himself but "if anyone else wishes to take it out", - that is fine. I feel that his demand for 10% royalty for ore in place is rather high.

Rookard figures on packing out the ore to the road, 1½ miles. I suggested either tractor or sled, or horse and sled. The present trail would be usable with a small amount of work. Further, I suggested that Rookard mine out his ore and prospect the area before he definitely commits himself to any method of removal. He figures his costs as follows:

Royalty (based on \$40 ore)	\$4.00
Horse packing of chrome, 1½ miles @ 2½ tons a day at a cost of \$20 for a string of 6 critters	8.25
Truck haul to Coquille	6.00
Mining costs \$5 a ton on present labor costs	5.00
	<u>\$23.25</u>

On basis of \$40 ore, profit would be \$16.75 per ton.

My estimate of tonnage: Proven.....10 tons.

Probable...15 tons.

Possible...50 tons.

Assay results by Bassett are:	<u>Cr₂O₃</u>	<u>Fe</u>	<u>Cr:Fe</u>
	CG-516 - 45.8	12.9	2.4:1

Ray C. Treasher
Field Geologist
July 13, 1942.

RECORD IDENTIFICATION

RECORD NO..... M061481
RECORD TYPE..... XIM
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER

UPDATED..... 81 03
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... NORTH STAR

MINING DISTRICT/AREA/SUBDIST. AGNESS

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

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

COUNTY..... CURRY
DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS

QUAD SCALE QUAD NO OR NAME
1: 62500 AGNES 5 5

LATITUDE LONGITUDE
42-37-52N 124-04-57W

UTM NORTHING UTM EASTING UTM ZONE NO
4720200.0 411240.0 +10

TWP..... 34S
RANGE..... 12W
SECTION.. 13
MERIDIAN. WILLAMETTE

ALTITUDE.. 2160

LOCATION COMMENTS: LOCATION UNCERTAIN

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. CR

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: FLOAT; LOW GRADE BANDED ORE

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX LENGTH..... 15 FT
MAX WIDTH..... 4 FT
MAX THICKNESS..... 1.5 FT
STRIKE OF DREBODY.... N
DIP OF DREBODY..... 90

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION

YES
SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE EST		.040	TONS	1952	
2 ORE EST		.010	TONS		
3 ORE ACC		.007	TONS	1957	46.00% CR2O3
21 TOTAL		.057	TONS		46.00% CR2O3 (WEIGHTED AVERAGE GRADE)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

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