NORTH STAR CHROME

About 10 tons of chromite is exposed in a small pod ¼ miles north of Illahee postoffice. There is no road to the property. Prospecting may expose more ore.


Location: NW ¼ sec. 14, T. 34 S., R. 12 W., ¼ 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 cut exposes chrome 15 feet by 4 feet by 1.5 feet or 90 cu. feet which means about 7½ 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 "horsey" 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: BCT, 7/13/42.

See C.F.
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.

Rockard 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 Rockard 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, 6.3 tons a day
at a cost of $20 for a string of 8 critters .......... 8.25

Truck haul to Coquille ........................ 6.00

Mining costs $5 a ton on present labor costs .......... $23.25

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: Cr2O3 Fe Cr:Fe

<table>
<thead>
<tr>
<th>Sample</th>
<th>Cr2O3</th>
<th>Fe</th>
<th>Cr:Fe</th>
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</thead>
<tbody>
<tr>
<td>CG-516</td>
<td>45.8</td>
<td>12.9</td>
<td>2.4:1</td>
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Ray C. Treasher
Field Geologist
July 13, 1942.
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
1: 62500

LATITUDE
42-37-52N

LONGITUDE
124-04-57W

UTM NORTHING
4720200.0

UTM EASTING
411240.0

UTM ZONE NO
+10

TPW: 34S
RANGE: 12W
SECTION: 13
MERIDIAN: WILLAMETTE

ALTITUDE: 2150

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

<table>
<thead>
<tr>
<th>SIZE OF DEPOSIT</th>
<th>SMALL</th>
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<tbody>
<tr>
<td>MAX LENGTH</td>
<td>15 FT</td>
</tr>
<tr>
<td>MAX WIDTH</td>
<td>4</td>
</tr>
<tr>
<td>MAX THICKNESS</td>
<td>1.5</td>
</tr>
<tr>
<td>STRIKE OF OREBODY</td>
<td>N</td>
</tr>
<tr>
<td>DIP OF OREBODY</td>
<td>90</td>
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DESCRIPTION OF WORKINGS SURFACE

PRODUCTION

YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE, COMMDD., CONC., OVEBURD.) YES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACC</th>
<th>AMOUNT</th>
<th>THOUS. UNITS</th>
<th>YEAR</th>
<th>GRADE, REMARKS</th>
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<tbody>
<tr>
<td>1 ORE EST</td>
<td>.040</td>
<td>TONS</td>
<td>1952</td>
<td></td>
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<tr>
<td>2 ORE EST</td>
<td>.010</td>
<td>TONS</td>
<td></td>
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<tr>
<td>3 ORE ACC</td>
<td>.007</td>
<td>TONS</td>
<td>1957 46.00% CR2O3</td>
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<tr>
<td>21 TOTAL</td>
<td>.057</td>
<td>TONS</td>
<td>46.00% CR2O3 (WEIGHTED AVERAGE GRADE)</td>
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</tbody>
</table>

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, I. P., 1974, UNPUBL. DATA