

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland, Oregon

## PRELIMINARY REPORT ON THE ELKHORN CREEK CHROME

Illinois River Area  
Josephine County

### Nigger Mine

Owner: Anderson and (?)

Location: NW $\frac{1}{4}$  sec. 24, T. 36 S., R. 9 W., 3030 A., Briggs  
Creek Mining District.

History: The Nigger was said to be the only deposit in the  
Briggs Creek area that shipped any ore during the  
period of the first World War. According to Allen (1941) in  
the neighborhood of 250 to 300 tons of ore were packed out  
by mule to the nearest road at 5 miles distance.

Development: Louis A. Robertson of Galice is leasing three  
claims in the vicinity of the Nigger. He has  
built a road from Chrome Ridge to the mine portal and es-  
tablished a mining camp nearby. The old tunnel of the Nigger  
Mine has been cleaned out and extended to 70 feet in length  
where a six foot winze leads down to a cross cut extending  
10 feet to the right. Drilling with a jackhammer was being  
undertaken at various places in the tunnel in an attempt to  
discover ore bodies.

Geology: Ore taken from the Nigger Mine was from fairly large  
pods located near the portal.

A fault which trends from N. 3° E. to N. 15° E. and dips  
80° to the west roughly parallels the tunnel. Dunite occurs  
on both sides of the fault near the portal and in the footwall  
near the face of the crosscut. The tunnel is mostly highly

## NIGGER MINE

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### Geology: (continued)

sheared serpentine. About 15 feet in from the portal very small stringers of chromite were seen in the dunite. This was the only chromite seen in place.

A slide area of nearly 3 acres located about 300 yards northwest of the Nigger Mine was being worked with a bulldozer. Large boulders of high grade chromite were being recovered. At this time approximately 20 tons of ore had been removed from various parts of the slide.

### BLACK PRINCE CLAIM

NE corner sec. 23, T. 36 S., R. 9 W.

Development consists of an open cut in the steep hillside approximately 150 feet into the hill, 200 feet wide and 50 feet deep on the uphill side. A chromite stringer which trends N. 75° E., and dips 30° N.E. varies in thickness from a maximum of 3½ feet to a few inches. It is exposed in the face of the cut over a distance of about 30 feet.

Informant: Louis A. Robertson

Report by: L. R.

Visited by: L. R. & D. J. W. - 8-12-52.

RECORD IDENTIFICATION

RECORD NO..... M060521  
RECORD TYPE..... X1M  
COUNTRY/ORGANIZATION. USGS  
MAP CODE NO. OF REC..

REPORTER

UPDATED..... 81 02  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... ELKHORN CREEK MINE  
SYNONYM NAME..... WIGGER, KERBY #22

MINING DISTRICT/AREA/SUBDIST. CHROME RIDGE

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

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

COUNTY..... JOSEPHINE  
DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS  
LAND CLASSIFICATION..... 41

QUAD SCALE            QUAD NO OR NAME  
1: 62500              SELMA

LATITUDE              LONGITUDE  
42-25-50N            123-42-58W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4697620.            441100.            +10

TWP..... 036S  
RANGE..... 009W  
SECTION.. 13  
MERIDIAN. N.M.

ALTITUDE.. 3200

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

COMMENTS(DESCRIPTION OF DEPOSIT):

NOT SEEN IN PLACE

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		0000.048	TONS	1942	50. % CR203
2 ORE EST		0000.045	TONS	1945	48. % CR203

CUMULATIVE PRODUCTION (ORE, COMMOD., CONC., OVERBUR.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 ORE EST		0000.300	TONS		WMI 47% CR203
21 TOTAL		.393	TONS	47.46	% CR203 (WEIGHTED AVERAGE GRADE)

PRODUCTION COMMENTS.... ONLY MINE IN AREA TO SHIP ANY QUANTITY WMI; IN 1938 A FEW HUNDRED POUNDS REMAINED BUT THERE WERE POSSIBLE RESERVES

GEOLOGY AND MINERALOGY

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

GENERAL REFERENCES

- 1) RAMP, LEN, 1951, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.
- 2) THAYER, T. P., 1974, UNPUBL. DATA
- 3) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P.128

RECORD IDENTIFICATION

RECORD NO..... M013498  
RECORD TYPE..... X1M  
COUNTRY/ORGANIZATION. USGS  
FILE LINK ID..... CONSV  
MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W  
DATE..... 74 01  
UPDATED..... 81 02  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... ROSE CITY MINE (*Alkhan*)

MINING DISTRICT/AREA/SUBDIST. ILLINDIS -CHETCO

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

QUAD SCALE QUAD NO OR NAME  
1: SELMA

LATITUDE LONGITUDE  
42-25-55N 123-43-00W

UTM NORTHING UTM EASTING UTM ZONE NO  
4697770.9 441048.6 +10

TWP..... 86S  
RANGE..... 09W  
SECTION.. 24  
MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: NW1/4 NW1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS  
SURFACE

COMMENTS (DESCRIP. OF WORKINGS):

DEVELOPED A SHALLOW LOCATION CUT.

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... PERIDOTITE

GENERAL REFERENCES

1) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P.128