

# State Department of Geology and Mineral Industries

1069 State Office Building  
Portland 1, Oregon

## LUCKY HUNCH CHROMITE

Illinois River District  
Josephine County

Owners: Fred Langley and C. W. Dean of Grants Pass, Oregon.

Location:  $S\frac{1}{2}$  of the  $SE\frac{1}{4}$  of the  $SE\frac{1}{4}$ , Section 33, Township 37S, Range 9W, about two hundred feet above the Illinois River Road. A short steep road to the mine branches to the right from the Illinois River Road approximately ten miles west of Selma on U. S. 199.

History: The claim was purchased from Pete Neubert about a month ago. A minor amount of massive chromite float was found. Excavation of the area with a bulldozer led to the discovery. More abundant float was reported found in earlier years, but shallow pits failed to encounter ore in place.

Development: An open cut 75x100x35 feet at the face had exposed the chromite (10/17/56). About 350 yards of road had been built to the cut. Bulldozer work to cut back the face was in progress in order to deepen the cut.

Geology: Massive chromite occurs as pods in a highly sheared and altered serpentine. One roughly elliptical-shaped pod of hard, relatively unsheared massive ore measuring about 6x8x10 feet in diameter had been mined out. Other, apparently smaller lense-shaped pods and narrow stringers of crushed ore lay in a zone striking about  $N5^{\circ}W$  and dipping about  $30^{\circ}E$ . (apparent). Including the mined-out pod, which contained 46 short tons, a total of about 150 tons of ore was visible at the time of visit. Maximum thickness of the chromite lenses yet exposed is 6 feet. A 4 foot thick pod about 12 feet long and 10 feet wide lay immediately south of the 46 ton pod. Returns from the first shipments of ore to the G. S. A. stockpile in October, 1956, averaged nearly 45 percent  $Cr_2O_3$ , and 11 percent Fe, with a Cr:Fe ratio of 2.8 to 1.

Report by: Len Ramp

Date visited: 10/17/56

Informants: Claude W. Dean and Fred Langley

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Lucky Hunch Chromite

Cr:Fe  
(Crife) ratio ~~af~~ 2.8 to 1.

Report by: Len Ramp  
Date visited: 10/17/56  
Informants: Claude W. Dean and Fred Langley

October 25, 1956

6T	43.47	10.56 Fe	8.36 Si	2.816 ratio
15.8T	45.16	11.01	5.48	2.806
5.4	43.76	10.37	6.20	2.886

Total prod to May 1958 = 150 Tons

$$\begin{array}{r} 6 \\ 15.8 \\ 5.4 \\ \hline 27.2 \end{array}$$

$$\begin{array}{r} 260 \\ 686 \\ 230 \\ \hline 1182 \end{array}$$

$$\begin{array}{r} 63.4 \\ 174.2 \\ 56 \\ \hline 293.6 \end{array}$$

CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061585  
 RECORD TYPE..... XIM  
 COUNTRY/ORGANIZATION. USGS  
 DEPOSIT NO..... DDGMI 100-280  
 MAP CODE NO. OF REC..

## REPORTER

UPDATED..... B1 03  
 BY:..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... LUCKY HUNCH CLAIM

MINING DISTRICT/AREA/SUBDIST. CENTRAL ILLINOIS RIVER

COUNTRY CODE..... JS

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... JOSEPHINE

DRAINAGE AREA..... 1710011 PACIFIC NORTHWEST

PHYSIOGRAPHIC PRJV..... 13 KLAMATH MOUNTAINS

LAND CLASSIFICATION..... 41

QUAD SCALE

1: 62500

QUAD NO OR NAME

PEARSOLL PEAK

LATITUDE

42-18-06N

LONGITUDE

123-45-31W

UTM NORTHING

4683340.

UTM EASTING

437480.

UTM ZONE NO

+10

TWP..... 037S

RANGE..... 009W

SECTION.. 33

MERIDIAN. W.M.

ALTITUDE.. 1250

## COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):

ANALYTICAL DATA (GENERAL)  
43.5% CR2O3, 10.8% FE GIVEN BY RAMP, 1961

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
MASSIVE CHROMITE  
FORM/SHAPE OF DEPOSIT: FLOAT, LENS, STRINGERS

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL  
MAX LENGTH..... 10 FT  
MAX WIDTH..... 8 FT  
MAX THICKNESS..... 6 FT  
STRIKE OF DREBODY.... N 5 W  
DIP OF DREBODY..... 30 E

COMMENTS (DESCRIPTION OF DEPOSIT):  
PODS IN A ZONE

DESCRIPTION OF WORKINGS  
SURFACE

PRODUCTION  
YES  
SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE EST		0000.094	TONS	1956	47. % CR2O3
2 ORE EST		0000.036	TONS	1958	47. % CR2O3
21 TOTAL		.130	TONS	47.00	% CR2O3 (WEIGHTED AVERAGE GRADE)

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
PERTINENT MINERALOGY..... TALC

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:  
SHEARED