

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland 5, Oregon

Curry County  
Chetco District

## Preliminary Report on Pearsoll Mine

Owner: Ernest Foster, Grants Pass.

\*Location: NE $\frac{1}{4}$  NW $\frac{1}{4}$  sec. 2, T. 38 S., R. 10 W., at 4800 feet on the south side of Pearsoll Peak.

History: The Pearsoll mine was originally owned by Chet Zackery. Foster recently purchased it.

Development: At the time of this visit (10/1/52) mining was being done by Weeks, Weeks, Weeks and Zoek, contractors. The ore was being cobbled separating the high grade. The tunnel was 25 feet long. It had been cleaned out and a two-compartment ore bin constructed.

The milling ore was being stockpiled at Foster's millsite near the quarter corner common to secs. 28 and 29, T. 37 S., R. 9 W., just below the Illinois River road. The haulage distance is about 8 miles. Foster expects to have his mill completed and in operation by next summer.

Geology: Chromite occurs in scattered lenses of disseminated ore with occasional spots of high grade, so that careful selection was necessary to produce any lump ore.

The tunnel extends into the steep hillside approximately parallel to a system of faults and joints which strike nearly N-S. Displacement along these faults is believed small. Their dip is generally high to the east.

About 5 feet of disseminated chromite in dunite was exposed in the floor of the tunnel near the portal. A sample of this ore ran 23.02 percent Cr<sub>2</sub>O<sub>3</sub> and 9.44 percent Fe (P-13489). Smaller patches of similar appearing ore were noted at various places in the floor, roof, walls and face of the tunnel, as well as an exposure on the surface about 60 feet uphill to the northwest of the portal. (See sketch map). A sample of selected high grade from the ore bin ran 48.35 percent Cr<sub>2</sub>O<sub>3</sub> and 11.86 percent Fe (P-13490).

Informants: Elmer Weeks and Ernest Foster  
Report by: L.R.  
Visited: 10-1-52

\*Location (cont.): Reached via the Illinois River road 12 miles, and Rancherie Creek road to county line between Josephine and Curry counties, then northwest to end of Pearsoll Peak road.

## RECORD IDENTIFICATION

RECORD NO..... M061576  
 RECORD TYPE..... X1M  
 COUNTRY/ORGANIZATION. USGS  
 MAP CODE NO. OF REC..

## REPORTER

UPDATED..... 81 04  
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... PEARSOLL GROUP

MINING DISTRICT/AREA/SUBDIST. PEARSOLL PEAK

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

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

COUNTY..... CURRY  
 DRAINAGE AREA..... 17100312 PACIFIC NORTHWEST  
 PHYSIOGRAPHIC PRJV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 43

QUAD SCALE            QUAD NO OR NAME  
 1: 62500            PEARSOLL PEAK

LATITUDE            LONGITUDE  
 42-17-24N            123-50-24W

UTM NDRTHING        UTM EASTING        UTM ZONE NO  
 4682100.            430750.            +10

TWP..... 038S  
 RANGE..... 010W  
 SECTION.. 02  
 MERIDIAN. W.M.

ALTITUDE.. 4000

## COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....  
 OCCURRENCE..... CR

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE; DISSEMINATED  
FORM/SHAPE OF DEPOSIT: STRINGERS, LENS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS  
SURFACE

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

PERTINENT MINERALOGY..... TALC

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:

MAY BE OFFSET SEGMENTS OF SAME ORE ZONE

GENERAL COMMENTS

RECORD NUMBER (NO15309) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES

1) RAMP, LEN, 1961, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.



RECORD IDENTIFICATION

RECORD NO..... M061793  
RECORD TYPE..... X1M  
COUNTRY/ORGANIZATION. USGS  
MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE M.  
DATE..... 78 08  
UPDATED..... 81 04  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... PEARSOLL PEAK DUNITE

MINING DISTRICT/AREA/SUBDIST. PEARSOLL PEAK

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

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

COUNTY..... CURRY  
DRAINAGE AREA..... 17100312 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS  
LAND CLASSIFICATION..... 41 43

QUAD SCALE            QUAD NO OR NAME  
1: 62500            PEARSOLL PEAK

LATITUDE            LONGITUDE  
42-16-48N            123-51-05W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4681000.            429800.            +10

TWP..... 38S  
RANGE..... 10W  
SECTION.. 02-14  
MERIDIAN. WB & M

LOCATION COMMENTS: W EDGE

COMMODITY INFORMATION

COMMODITIES PRESENT..... OLV

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
OTHER IGNEOUS  
FORM/SHAPE OF DEPOSIT:

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

DESCRIPTION OF WORKINGS  
SURFACE

COMMENTS(DESCRIP. OF WORKINGS):  
OUTCROP

PRODUCTION

NO PRODUCTION  
23

80 FORSTERITE

GEOLOGY AND MINERALOGY

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

GENERAL REFERENCES

1) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODCMI BULL. 93, P. 55



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