

# State Department of Geology and Mineral Industries

702 Woodlark Building  
Portland 5, Oregon

Umpqua District  
Douglas County

## Preliminary Report on Chromite of the Peel Area

### "B" Mine Claim (Filed Aug. 30, 1952)

Owner: O. W. Stuempges, Myrtle Creek, Oregon

Location: SW $\frac{1}{4}$ , NE $\frac{1}{4}$  sec. 27, T. 26 S., R. 3 W.; 1 $\frac{1}{2}$  miles north of Peel, Oregon.

Chromite was exposed by four small open cuts near the ridge top (1750 A.). The deposit consists of narrow stringers and pods, none of which exceed 20 inches in width. Both disseminated and massive chromite are present.

Chromite was noted to occur disseminated in saxonite as well as dunite. The saxonite and dunite are largely altered to serpentine. Enstatite crystals in the saxonite have been altered to bastite (antigorite pseudomorphic after enstatite).

Al Stuewer of Roseburg (717 Cummings Avenue) was said to have first discovered chromite in this area. He leased from Livingston, owner of the property on which the lower deposits are located. These lower deposits are largely float chromite and very little ore has been recovered. None had been shipped.

Dacite porphyry dikes intrude the serpentine in the vicinity of the chromite deposits.

Two samples taken from the upper deposit (B Mine claim) ran 30.10 percent Cr<sub>2</sub>O<sub>3</sub>, 17.51 percent Fe; and 30.60 percent Cr<sub>2</sub>O<sub>3</sub>, 13.62 percent Fe (P-13466, P-13467). A sample selected from the ore pile of the lower cut ran 44.30 percent Cr<sub>2</sub>O<sub>3</sub> with 13.30 percent Fe (P-13468).

Mr. Stuempges had leased the lower deposits. He was advised that further prospecting was necessary as present exposures did not warrant any expensive development.

Informant: O. W. Stuempges  
Visited: 9/27/52 by DJW and LR.  
Report by: LR

RECORD IDENTIFICATION

RECORD NO..... M020176  
RECORD TYPE..... X1M  
INFORMATION SOURCE... 1  
MAP CODE NO. OF REC..

REPORTER

NAME..... FERNIS, MARK L. (BROOKS, HOWARD C.)  
AFFILIATION..... DDGMI  
DATE..... 81 05

NAME AND LOCATION

DEPOSIT NAME..... PEEL PROSPECTS

MINING DISTRICT/AREA/SUBDIST. UMPQUA

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

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

COUNTY..... DOUGLAS  
DRAINAGE AREA..... 17100301 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MTNS  
LAND CLASSIFICATION..... 40

QUAD SCALE                      QUAD NO OR NAME  
1: 62500                      MACE MTN.

LATITUDE                      LONGITUDE  
43-21-25N                      122-55-02W

UTM NORTHING                  UTM EASTING                  UTM ZONE NO  
4800250                      506700                      +10

TWP..... 026S  
RANGE..... 003W  
SECTION.. 27 34  
MERIDIAN. WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: PODIFORM

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

COMMENTS(DESCRIPTION OF DEPOSIT):

SMALL LENSES OF MASSIVE CHROMITE APPEAR TO LIE IN A NEARLY VERTICAL ZONE TRENDING NNE.

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS(DESCRIP. OF WORKINGS):

SMALL CUTS AND TRENCHES

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... SERPENTINIZED HARZBURGITE

AGE OF ASSOC. IGNEOUS ROCKS.. JUR

IGNEOUS ROCK TYPES..... SERPENTINIZED HARZBURGITE

GENERAL REFERENCES

- 1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON; ODGMI BULL. 75, P. 22
- 2) RAMP, L., 1961, CHROMITE IN SOUTHWESTERN OREGON; ODGMI BULL. 52, P.126