

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

Curry County
Chetee District

Preliminary Report on Bowser Chromite

Owner: W. D. Bowser

Location: SW cor. sec. 14, T. 38 S., R. 10 W., at about 2500 feet elevation.

Bowser No. 2 Claim

This claim can be reached during the dry season by taking the road branching south from the Rancherie Creek road. It is 4.2 miles from the junction on the county line. This branch road was suitable for travel by 4-wheel drive vehicles only.

The main chromite stringer, at the head of a trench which cuts across the main open cut level, varies from $1\frac{1}{2}$ feet to 6 inches in width. Some of the ore is of high enough grade to be marketed as lump ore after hand cobbing. A sample of picked highgrade from the small ore pile beside the track assayed 42.95 percent Cr_2O_3 and 13.19 percent Fe (P-13577, MG-449).

Time was not taken to map the claim thoroughly. There are a few smaller chromite lenses or stringers visible and the deposit is alongside a body of hornblende diorite or amphibolite. This rock contains mostly green hornblende with calcic plagioclase, minor magnetite and chlorite, with calcite along fractures. Chromite is mixed with serpentine, talc, and occasional kammererite (?), and zeolite (?).

Some ore from this claim was milled at Bowser's mill located about $\frac{3}{4}$ mile southeast on the Peck mine property. At the time of the visit no work was being done on the claim and since then the mill has been sold and moved.

Mill equipment consisted of a small jaw crusher, Huntington mill, belt feeder, ~~wolfrey~~^{wisflay} table, and diaphragm pump for returning middlings to the mill.

Bowser had several other claims in the area; however, bulldozer excavation failed to expose any large chromite bodies.

Informant: W. D. Bowser

Visited : 10/7/52 by D.J.W. & L.R.

Report by: L.R.

RECORD IDENTIFICATION
RECORD NO..... M060598
RECORD TYPE..... K1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGNI 100-227
MAP CODE NO. OF REC..

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

NAME AND LOCATION
DEPOSIT NAME..... BOWSER

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

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

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

Chetro District

QUAD SCALE QUAD NO OR NAME
1: 62500 PEARSON PEAK

LATITUDE LONGITUDE
42-15-18N 123-51-13W

UTM NORTHING UTM EASTING UTM ZONE NO
4678236.3 429591.2 +10

TWP..... 038S
RANGE..... 010W
SECTION.. 22 23
MERIDIAN. W.M.

ALTITUDE.. 2560

COMMODITY INFORMATION
COMMODITIES PRESENT..... CR

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. CR

ORE MATERIALS (MINERALS, ROCKS, ETC.):

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE, DISSEMINATED
FORM/SHAPE OF DEPOSIT: STRINGER

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 18 IN
STRIKE OF OREBODY.... N 15 E
DIP OF OREBODY..... 20 NW

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		0000.006	TONS	1955	42. % CR2O3
21 TOTAL		.006	TONS	42.00	% CR2O3 (WEIGHTED AVERAGE GRADE)

GEOLOGY AND MINERALOGY

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

PERTINENT MINERALOGY..... SERPENTINE, TALC, CHROME CHLORITE, ARAGONITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: JOSEPHINE PERIDOTITE
AGE: JUR

GENERAL COMMENTS

RECORD NUMBER (M013626) 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.