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State Department of Geology and Mineral Industries

STATE DEPT. OF GEOLOGY
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1069 State Office Building
Portland 1, Oregon

BLACK RABBIT & RIDGE CHROME CLAIMS

Josephine County
Greenback Dist.

Owners: The Black Rabbit claim is owned by H. L. Sheppard and Albert Bish. The Ridge claim is owned by Chester Sallec and H. L. Sheppard. Mr. Sheppard who lives at Quines Creek requested this examination.

Location: Both claims are in the NE $\frac{1}{4}$ of sec. 11, T. 33 S., R. 5 W. They can be reached via the road up Quines Creek and Tennessee Gulch to a logging landing in southern edge of sec. 2, about 4.3 miles from Highway 99. From the landing it is about $\frac{1}{2}$ mile by skid road and trail to the lower and northernmost occurrence on Black Rabbit claim which is about 500 feet south of the section line between 2 and 11 at 2875 (altimeter) feet elevation. From this point, the main discovery cut on Black Rabbit claim is 800 feet S. 10° E., and the principal workings on the Ridge Chrome claim lie about 600 feet east of the Black Rabbit discovery cut, on the ridge top. The claims are laid out in a northerly direction.

Development: The northern workings on the Black Rabbit claim consist of two very small cuts exposing boulders up to 3 feet across bearing chromite. The southern (discovery) bulldozer cut is about 60 feet long, 20 feet wide, and 6 or 8 feet deep at the face. An area of about 70 x 200 feet excavated to shallow depth on top the ridge together with two or three shallow bulldozer trenches on the west side of the ridge are the extent of workings on the Ridge Chrome claim.

Geology: Chromite occurs as schlieren and disseminated grains in the serpentine boulders exposed in the northern cuts on Black Rabbit claim. The boulders appeared to have moved only slightly in the surface creep. The occurrence probably is part of the zone found earlier about

Black Rabbit & Ridge Chrome Claims

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2000 feet N. 30° E. on the Four Point claim which is located in the SW corner of sec. 1, T. 33 S., R. 5 W. Further digging is necessary to determine the shape and size of the deposit at this point.

At the main discovery pit on the Black Rabbit claim a 1-foot wide layer or seam of disseminated to fairly massive chromite strikes N. 35° E. and dips 70° SE. The chromite is similar in appearance to the northern occurrence and to one at the Four Point claim.

According to Mr. Bish a second small (2-3 inch) stringer of chromite was encountered about 8 feet east of the main occurrence. This was, however, covered with soil and rock.

At the Ridge Chrome claim on the ridge top, directly up hill from the Black Rabbit discovery pit, several small lenses of mostly disseminated chromite have been found at various places over the excavated area. There is no apparent pattern or definite zone of occurrence. The largest exposure of disseminated chromite (about 2 x 6 feet) was seen in a bulldozer trench near the north edge of the excavated area.

A sample of disseminated chromite from the Black Rabbit discovery pit submitted by H. L. Sheppard (RG-241, P-21349) assayed 17.12 percent Cr_2O_3 and 8.18 percent Fe.

Only a brief reconnaissance of the area was made. It was recommended that further hand excavation be done on the lower (northern) occurrence of the Black Rabbit claim and that assays of panned concentrates from the ore be made.

Visited: 6/14/57.

Report: 7/25/57 by Len Ramp.

Informants: H. L. Sheppard and Albert Bish.

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CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M061633
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 DEPOSIT NO..... DDGMI 100-45
 MAP CODE NO. OF REC..

REPORTER

UPDATED..... B1 02
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BLACK RABBIT & RIDGE CHROME

MINING DISTRICT/AREA/SUBDIST. GREENBACK

COUNTRY CODE..... JS
 COUNTRY NAME: UNITED STATES

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

COUNTY..... JOSEPHINE
 DRAINAGE AREA..... 17100310 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 41

QUAD SCALE
 1: 62500

QUAD NO OR NAME
 GLENDALE

LATITUDE
 42-43-20N

LONGITUDE
 123-15-28W

UTM NORTHING
 4729800.

UTM EASTING
 478900.

UTM ZONE NO
 +10

TWP..... 33S
 RANGE.... 05W
 SECTION.. 11
 MERIDIAN. W.M.

ALTITUDE.. 2240

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

CHROMITE

ANALYTICAL DATA (GENERAL)

SAMPLE OF DISSEMINATED CHROMITE -17.12% CR2O3, 8.18% FE; SAMPLE OF MORE MASSIVE MIXED WITH 10% SERPENTINE-34.64% CR2O3, 12.94% FE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE, DISSEMINATED
FORM/SHAPE OF DEPOSIT: LENS, FLAT, SEAM

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 1 FT
STRIKE OF OREBODY.... N35E
DIP OF OREBODY..... 70SE

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION
NO PRODUCTION

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

GEOLOGY AND MINERALOGY
HOST ROCK TYPES..... SERPENTINE

GENERAL COMMENTS
RECORD NUMBERS (M013434) AND (M015191) HAVE 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.
2) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P