

State Department of Geology and Mineral Industries

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STATE DEPT. OF GEOLOGY
& MINERAL INDS.

702 Woodlark Building
Portland 5, Oregon

SUGARLOAF CHROMITE PROSPECT

Curry County
Chetco Dist.

MS
BSM

Owners: James M. Nealy and Ernest E. Toothaker.

Area: One claim located September 1954.

Location: SE $\frac{1}{4}$ of the NE $\frac{1}{4}$ sec. 25, T. 38 S., R. 10 W. at about 3,000 feet elevation; just southeast of the steep topographic knob called Sugarloaf and about 450 feet above Babyfoot Creek. The prospect is reached by trail. It is about 1 mile west of the Babyfoot chrome mine where the road ends. To reach the area, take the Forest Service road west from Highway 199 just south of Eight Dollar Mountain. The road crosses the Illinois River, goes up Josephine Creek, over Fiddler Mountain and the mine road branches to the west about $\frac{1}{2}$ mile beyond Onion Camp. The prospect is about 20 miles from the highway and 45 miles from Grants Pass.

History: Several pieces of high grade float chromite were found on the south-facing hillside. According to Nealy, one of the chromite boulders weighed 750 pounds.

Geology: The prospect lies near the western, basal, contact of a narrow, (1,000 foot), serpentine "sill". The Babyfoot mine occupies a similar position in the sill-like serpentine body lying less than a mile east of the prospect.

The sill-like bodies of serpentine have intruded altered sediments and volcanic rocks of the Galice and Rogue formations of upper Jurassic age. The outlines of the serpentine bodies, foliations, schlieren, and the linear elements of chromite deposits in the serpentine are generally conformable to the older sedimentary and volcanic rocks. A hard gray-green, fine-grained, altered sandstone lies west of the contact near the prospect.

Sugarloaf Chromite Prospect

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It strikes N. 15° E. and dips 35° SE. These rocks belong to the Galice formation, which consists of sandstone, slaty shale, and some interbedded volcanic rocks. The formation is excellently exposed in Babyfoot Creek below the prospect and at the Little Craggies to the south.

A sample of float chromite submitted by Nealy (OG-402, P-17286) assayed 54.37 percent Cr_2O_3 and 10.06 percent Fe.

Informant: James M. Nealy

Area visited: 8/5/54

Report by: Len Ramp 2/7/56.

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RECORD IDENTIFICATION

RECORD NO..... M061544
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGMI 93-28
MAP CODE NO. OF REC..

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... SUGARLOAF PROSPECT

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..... 43

QUAD SCALE
1: 62500

QUAD NO OR NAME
CHETCO PEAK

LATITUDE
42-14-08N

LONGITUDE
123-49-39W

UTM NORTHING
4676050.

UTM EASTING
431725.

UTM ZONE NO
+10

TWP..... 038S
RANGE..... 010W
SECTION.. 25
MERIDIAN. W.M.

ALTITUDE.. 3000

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....

OCCURRENCE..... CR

ANALYTICAL DATA(GENERAL)

HIGH GRADE FLOAT ASSAYED 54.37% CR2O3, 10.06% FE.

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: FLOAT

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS

SURFACE

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... SERPENTINE

GENERAL COMMENTS

RECORD NUMBER (M013229) 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.
- 2) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. 9, 79P.

