

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland 5, Oregon

Curry County
Chetco District

PRELIMINARY REPORT

Chetco Mining Company Chromite

Location: Secs. 2, 3, 10, T. 39 S., R. 10 W.

Owners: Ed Knox, Fay Bristol, T. T. Leonard, and Gordon White.

There are 12 claims consisting of the Canyon Peak numbers 1 to 8 (placer) and the Hawks Rest View, Ditch Creek, Burned Cabin, and Carter Creek Divide (lode).

During 1951 and 1952, nearly 10 miles of road ~~were~~ built by the Chetco Mining Company. ^{a total of} Their road extends from the end of the Forest Service road at Onion Camp, passes below Babyfoot Lake and Canyon Peak, to the area west of Canyon Peak drained by Ditch Creek and Copper Creek. ^{was}

Most of the chromite taken from this area was taken from float deposits below and south of the mining camp which is located near the center of sec. 2, T. 39 S., R. 10 W., at approximately 3800 feet elevation.

More than 40 tons of chromite averaging 45 percent Cr_2O_3 and 2.9 to 1 chrome-iron ratio was taken from an area about 150 yards south of the camp. Chromite boulders were said to have been located on the surface with a definite alignment. This area is largely "slickentite." There is a brecciated ledge made up of gouge and hard angular serpentine fragments formed either in a fault zone or in an area of major landslide movement. There has undoubtedly been considerable shearing prior to landsliding, all of which adds to the difficulty of tracing ore. Small diorite dikes, rodingite, and bodies of Galice metamorphics are found near the chromite.

At the Hawks Rest View claim near the center of the NW $\frac{1}{4}$ of sec. 10, T. 39 S., R. 10 W., a fairly continuous stringer of chromite was exposed intermittently over a distance of nearly 100 yards. This stringer was up to 4 feet in width; however, in places it pinched down to a narrow trace. An open cut made roughly parallel to the chromite ran N. 10° E. The stringer of chromite had a strike of approximately N.-S. and dipped from 20° to 50° W.

By August 1952 about 40 tons of 45 percent to 48 percent Cr_2O_3 and nearly 3 to 1 ratio chromite had been removed from this cut. Much of the ore was found on the surface. Lower grade disseminated chromite was also present so that hand picking was necessary.

A sample taken near the center of the cut on the chromite stringer ran 42.37 percent Cr_2O_3 and 14.08 percent Fe. This sample consisted of chromite with olivine, serpentine, and talc. (P-13328)

M 6 375

At Carter Creek Divide claim on the ridge about 400 yards northwest of the mining camp a magnesite vein can be traced intermittently over a distance of nearly 200 yards. Its maximum width is 3 feet but it varies considerably. Its attitude is approximately N. 70° W. strike and 30° dip to the SE. In places the magnesite is quite siliceous and probably not of economic interest. Some small pods of chromite had been removed from the "slickentite" of this area.

Chetco Mining Company also owns the Babyfoot claim in sec. 25, T. 38 S., R. 10 W. (located N 30° W. from Babyfoot Lake). There were two bulldozer cuts on the claim exposing black and green serpentine. Chromite boulders were piled on a wooden platform in the lower cut. No chromite was seen in place. Some magnesite was exposed at the north end of the wooden platform in the lower cut.

Visited: 8/27-28/1952

Informant: Ben Baker

Report by: L.R. and D.J.W.

RECORD IDENTIFICATION

RECORD NO..... M061837
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGM1 93-54
MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE M.
DATE..... 78 08
UPDATED..... 81 03
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... MELANTERITE TUNNEL
SYNONYM NAME..... COPPER CREEK GROUP, CHETCO COPPER COMPANY , CHETCO COPPER COMPANY

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

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

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

QUAD SCALE QUAD NO OR NAME
1: 62500 CHETCO PEAK

LATITUDE LONGITUDE
42-11-33N 123-52-10W

UTM NORTHING UTM EASTING UTM ZONE NO
4671300. 428200. +10

TWP..... 39S
RANGE..... 10W
SECTION.. 10
MERIDIAN. WB & M

ALTITUDE.. 2800 FT

LOCATION COMMENTS: NW 1/4

COMMODITY INFORMATION

COMMODITIES PRESENT CU AN AG ZN AC ZN

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

POTENTIAL.....

OCCURRENCE..... ZN AG AU

ORE MATERIALS (MINERALS, ROCKS, ETC.):

PYRITE, CHALCOPYRITE, GOLD, COPPER SULFATES

ANALYTICAL DATA (GENERAL)

SAMPLE ASSAYED 0.02 OZ/TON AU; 0.1 % CU; NIL AG

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE SULFIDE; DISSEMINATED

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):

25 FOOT ADIT

PRODUCTION

YES

SMALL PRODUCTION

CUMULATIVE PRODUCTION (DRE, COMMOD., CONC., OVERBUR.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 CU		SMALL		PRE-1914	
23			SAMPLE	- 1971	0.1 CU, 0.02 AU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... TUFFACEOUS METASEDIMENTS

GENERAL REFERENCES

- 1) RAMP, L. AND OTHERS, 1977, GEOLOGY, MINERAL RESOURCES AND ROCK MATERIAL OF CURRY COUNTY, OREGON; ODGMI BULL. P. 33
- 2) RAMP, L., 1975, GEOLOGY AND MINERAL RESOURCES OF THE UPPER CHETCO DRAINAGE AREA, OREGON; ODGMI BULL. 88, P. 2