

RECORD IDENTIFICATION

RECORD NO..... M060538
RECORD TYPE..... XIM
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... ODGMI 100-257
MAP CODE NO. OF REC..

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... SHADE CHROMITE
SYNONYM NAME..... BLACK PRINCE; HOT DOG

MINING DISTRICT/AREA/SUBDIST. CENTRAL ILLINOIS RIVER

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

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

COUNTY..... JOSEPHINE
DRAINAGE AREA..... 17100911 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 41

QUAD SCALE QUAD NO OR NAME
1: 62500 PEARSOILL PEAK

LATITUDE LONGITUDE
42-19-56N 123-45-33W

UTM NORTHING UTM EASTING UTM ZONE NO
4686716.6 437447.6 +10

TWP..... 097S
RANGE..... 009W
SECTION.. 21
MERIDIAN. W.M.

ALTITUDE.. 2650

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

CHROMITE

ANALYTICAL DATA (GENERAL)

ONE ASSAY SAMPLE -47.54% CR2O3; 11.05% FE

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: IRREGULAR PATCHES & BANDS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

MAX LENGTH..... 4 FT

MAX WIDTH..... 2 FT

STRIKE OF OREBODY.... E-W

DIP OF OREBODY..... 20S

COMMENTS (DESCRIPTION OF DEPOSIT):

OFFSET BY SEVERAL STEEPLY DIPPING FAULTS

PRODUCTION

YES

SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
1 ORE EST		0000.350	TONS	1918	
2 ORE EST		0000.014	TONS	1944	42. % CR2O3

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 ORE EST		0000.494	TONS	1941-1942	
16 ORE EST		0000.060	TONS	1951-1953	43% CR2O3 TO 50% CR2O3
21 TOTAL		.923	TONS	47.87 % CR2O3	(WEIGHTED AVERAGE GRADE)

PRODUCTION COMMENTS..... PRODUCTION FIGURES MAY NOT BE TOO ACCURATE

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR

HOST ROCK TYPES..... DUNITE AND SERPENTINE

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:

SMALL SHEARS MAY HAVE DRAWN OUT SMALLER ORE BODIES

GENERAL COMMENTS

RECORD NUMBER (M013639) 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) THAYER, T. P., 1974, UNPUBL. DATA
- 3) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100.