

RECORD IDENTIFICATION

RECORD NO..... M061557
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
DEPOSIT NO..... DDGMI 100-229
MAP CODE NO. OF REC..

REPORTER

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

NAME AND LOCATION

DEPOSIT NAME..... SAD SACK
SYNONYM NAME..... BLACK PRINCESS

MINING DISTRICT/AREA/SUBDIST. CHROME RIDGE

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

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

COUNTY..... JOSEPHINE
DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 41

QUAD SCALE 1: 62500
QUAD NO OR NAME SELMA

LATITUDE 42-25-43N
LONGITUDE 123-43-11W

UTM NORTHING 4697400.
UTM EASTING 440800.
UTM ZONE NO +10

TWP..... 036S
RANGE..... 009W
SECTION.. 23
MERIDIAN. W.M.

ALTITUDE.. 3520

COMMODITY INFORMATION

COMMODITIES PRESENT..... CR

CHROMITE

ANALYTICAL DATA (GENERAL)

ASSAY 47.45% CR2O3, 9.89% FE, FROM MASSIVE CHROMITE WITH CALCITE VEINLETS; SIMILAR SAMPLE WITH ASSOCIATED SERPENTINE - 39.04% CR2O3, 9.78% FE

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 4

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: LENS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX LENGTH..... 4 FT
MAX WIDTH..... 1.5 FT
STRIKE OF DREBODY.... N 60 E
DIP OF DREBODY..... 50 NW

DESCRIPTION OF WORKINGS
SURFACE AND UNDERGROUND

PRODUCTION

YES

SMALL PRODUCTION

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

| ITEM | ACC | AMOUNT | THOUS. UNITS | YEAR | GRADE, REMARKS |
|-----------|-----|----------|--------------|------|-------------------------|
| 1 DRE EST | | 0000.109 | TONS | 1955 | 46. % CR2O3 |
| 2 DRE EST | | 0000.028 | TONS | 1955 | 44. % CR2O3 |
| 3 DRE EST | | 0000.006 | TONS | 1955 | 44. % CR2O3 (CONC) |
| 4 DRE EST | | 0000.008 | TONS | 1957 | 44. % CR2O3, 3.0 CR, FE |

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

| ITEM | ACC | AMOUNT | THOUS. UNITS | YEAR | GRADE, REMARKS |
|------------|-----|----------|--------------|-----------|----------------------------------|
| 15 DRE ACC | | 0000.099 | TONS | 1951-1953 | 43% CR2O3 TO 51% CR2O3 |
| 16 DRE ACC | | 0000.186 | TONS | 1955-1957 | 43% CR2O3 TO 49% CR2O3 |
| 21 TOTAL | | .436 | TONS | 45.86 | % CR2O3 (WEIGHTED AVERAGE GRADE) |

PRODUCTION COMMENTS.... CUMULATIVE PROD. LISTED FOR BLACK PRINCESS, ANNUAL PRODUCTION FOR SAD SACK, SAME OPERATOR VERY LIKELY SAME MINE.

AGE OF HOST ROCKS..... JUR

PERTINENT MINERALOGY..... CALCITE VEINLETS

GEOLOGICAL DESCRIPTIVE NOTES. IN NARROW FAULTED STRIP OF SERPENTINE BOUNDED BY ROGUE FM.

LOCAL GEOLOGY

SIGNIFICANT LOCAL STRUCTURES:
SHEARING

GENERAL COMMENTS

RECORD NUMBER (M013468) 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 PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100
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