CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
RECORD NO: M061280
RECORD TYPE: X1M
COUNTRY/ORGANIZATION: USGS

NAME AND LOCATION
DEPOSIT NAME: STARAVE OUT

COUNTRY CODE: US
COUNTRY NAME: UNITED STATES

STATE CODE: OR
STATE NAME: OREGON

COUNTY: DOUGLAS
DRAINAGE AREA: 17100302 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV.: 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION: 49

QUAD SCALE: 1: 62500
QUAD NO OR NAME: WIMER

LATITUDE: 42-44-56N
LONGITUDE: 123-12-04W

UTM NORTHING: 4732744.7
UTM EASTING: 483550.1
UTM ZONE NO: +10

TWP.... 032S
RANGE.... 004W
SECTION: 32
MERIDIAN: W.M.
ALTITUDE: 2540

COMMODITY INFORMATION
COMMUNITIES PRESENT: CR

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL:
OCURRENCE:

ORE MATERIALS (MINERALS, ROCKS, ETC.):
CHROMITE

ANALYTICAL DATA (GENERAL)
SAMPLES OF MASSIVE ORE ASSAYED 37.70% CR2O3, 12.10% Fe; PANNED CONCENTRATE OF DISSEMINATED ASSAYED 38.92% CR2O3, 10.37% Fe; 14.32% Fe 10.62% CR2O3.
EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
DISSEMINATED; MASSIVE CHROMITE

FORM/SHAPE OF DEPOSIT: LENS, IRREGULAR ZONE

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT........ SMALL
MAX WIDTH.............. 30 FT
STRIKE OF OREBODY..... N 30 E
DIP OF OREBODY........ SE

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS......... JUR
HOST ROCK TYPES........... SERPENTINE

GEOLOGICAL DESCRIPTIVE NOTES. NARROW SERPENTINE STRINGER IN CALICE FM.

GENERAL COMMENTS
RECORD NUMBER (WO17050) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES
1) RAMP, LEN, 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 75, 106 P.
2) RAMP, LEN, 1961, CHROMITE IN SOUTHWESTERN OREGON: OREGON DEPT. GEOLOGY AND MINERAL IND. BULL. 52, 169 P.
3) PAGE, N.J. AND OTHERS, 1977, PRELIMINARY RECONNAISSANCE GEOLOGIC MAP OF THE WIMER QUADRANGLE, OREGON; USGS GEOL. MAP MF-848
NAME AND LOCATION

DEPOSIT NAME: GRAY BOY
SYNONYM NAME: STARVOUT GROUP

MINING DISTRICT/AREA/SUBDIST. RIDDLE

COUNTRY CODE: US
COUNTRY NAME: UNITED STATES

STATE CODE: OR
STATE NAME: OREGON

COUNTY: DOUGLAS
DRAINAGE AREA: 17100302 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV.: 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION: 49

QUAD SCALE: 1: 62500
QUAD NO OR NAME: WIMER

LATITUDE: 42°43'55"N
LONGITUDE: 123°11'49"W

UTM NORTHING: 4730853.3
UTM EASTING: 483666.6
UTM ZONE NO: +10

TWP.: 33S
RANGE: 04W
SECTION: 05
MERIDIAN: W.M.
ALTITUDE: 3550

LOCATION COMMENTS: SW 1/4 NE 1/4

COMMODITY INFORMATION
COMMODITIES PRESENT: CR
COMMODITY SPECIALIST INFORMATION:

SPECIAL FIELD 3 DISSEMINATED

ORE MATERIALS (MINERALS, ROCKS, ETC.):

CHROMITE

COMMODITY COMMENTS:

REFRACTORY GRADE

ANALYTICAL DATA (GENERAL):

19 FT. CHIP SAMPLE ASSAYED 20.2% CR2O3; GRAB SAMPLE ASSAYED 29.50% CR2O3, 10.64% Fe, A SPLIT OF THIS ASSAYED 34.66% CR2O3, 12.10% Fe

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

DISSEMINATED

FORM/SHAPE OF DEPOSIT: BANDS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT: SMALL
MAX WIDTH: 19 FT
STRIKE OF OREBODY: N 20 E
DIP OF OREBODY: W

COMMENTS (DESCRIPTION OF DEPOSIT):

OVER 26 WIDTH WITH TWO BARREN ZONES OF 4 FT WIDE

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS (DESCRIPTION OF WORKINGS):

CUT 60X120X25 DEEP

PRODUCTION

YES

SMALL PRODUCTION

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

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ACC AMOUNT</th>
<th>THOUS. UNITS</th>
<th>YEAR</th>
<th>GRADE</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>1 ORE EST</td>
<td>0000.006</td>
<td>0.006</td>
<td>1957</td>
<td>43% CR2O3</td>
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<tr>
<td>2 TOTAL</td>
<td>0.006</td>
<td>TONS</td>
<td>1957</td>
<td>43 CR2O3 (WEIGHTED AVERAGE GRADE)</td>
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<tr>
<td>23 ORE CR. SML</td>
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<td>1957</td>
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RECORID IDENTIFICATION
RECORD NO. .......... M061286
RECORD TYPE .......... XIM
COUNTRY/ORGANIZATION . USGS
DEPOSIT NO .......... D0GMI 75-15
MAP CODE NO. OF REC ..

REPORTER
UPDATED ............... 81 02
BY ....................... FERNs, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION
DEPOSIT NAME .......... BLACK BOY
SYNONYM NAME .......... STARVOUT GROUP
MINING DISTRICT/AREA/SUBDIST . RIDDLE (1961)
COUNTRY CODE .......... US
COUNTRY NAME .......... UNITED STATES
STATE CODE .......... OR
STATE NAME .......... OREGON
COUNTY ................. DOUGLAS
DRAINAGE AREA .......... 17100302 PACIFIC NORTHWEST
PHYSIOGRAPHIC PROV. .... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION .... 41

QUAD SCALE .......... 1: 62500
QUAD NO OR NAME .......... WIMER
LATITUDE ............... 42-43-56N
LONGITUDE .............. 123-12-25W
UTM NORTHING .......... 4730075.6
UTM EASTING ........... 483047.7
UTM ZONE NO .......... +10
TPW ........... 033S
RANGE ........... 004W
SECTION .......... 05
MERIDIAN .......... W.M.
ALTITUDE .......... 4000

COMMODITY INFORMATION
COMMODITIES PRESENT .......... CR
ANALYTICAL DATA (GENERAL)
ASSAYS AS HIGH AS 48% CR2O3 WERE OBTAINED

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT
FORM/SHAPE OF DEPOSIT: LENS

SIZE/DIRECTIONAL DATA
- SIZE OF DEPOSIT: SMALL
- MAX LENGTH: 2000 FT
- MAX THICKNESS: 6 FT
- STRIKE OF DREBODY: N 20 E
- DIP OF DREBODY: SE

COMMENTS (DESCRIPTION OF DEPOSIT): DRILLING OF ZONE UNDERLYING LARGE OPENCUT MIGHT INDICATE ADDITIONAL ORE.

DESCRIPTION OF WORKINGS
SURFACE

PRODUCTION
YES
MEDIUM PRODUCTION

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

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<tr>
<th>ITEM</th>
<th>ACC AMOUNT THOUS. UNITS</th>
<th>YEAR</th>
<th>GRADE</th>
<th>REMARKS</th>
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<tbody>
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<td>1 ORE EST</td>
<td>0000.134 TONS</td>
<td>1918</td>
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<tr>
<td>2 ORE SML</td>
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<tr>
<td>3 ORE EST</td>
<td>0000.016 TONS</td>
<td>1955</td>
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<td>4 ORE EST</td>
<td>0000.020 TONS</td>
<td>1956</td>
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<tr>
<td>5 ORE EST</td>
<td>0000.006 TONS</td>
<td>1957 45.0% CR2O3 (CONC)</td>
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<tr>
<td>21 TOTAL</td>
<td>.174 TONS</td>
<td>45.00% CR2O3 (WEIGHTED AVERAGE GRADE)</td>
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</table>

PRODUCTION COMMENTS: AVERAGE GRADE ABOUT 45% CR2O3, 12% FE; INCLUDES PRODUCTION FROM YELLOW JACKET CLAIM

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS: JUR
HOST ROCK TYPES: SERPENTINITE

GEOLOGICAL DESCRIPTIVE NOTES: HIGHLY SHEARED DARK GREENISH-BLACK SERPENTINITE

GENERAL REFERENCES
Starveout Creek Chromite

Owned by S. A. & W. L. Curtis Azalea Co.

3 claims held by location since 1916
16 cars of chromite shipped from this property.