

Rhodonite ore with some rhodochrosite and hard manganese oxides in fracture planes occurs in a black, siliceous, metamorphosed sediment. The rock may be cobbled to show fairly large pieces of deep pink rhodonite. From the standpoint of metallurgical manganese ore, the prospect shows little promise.

Authority: FWL (?) Department report

Owner: J. R. Elder (?)

Location: Sec. 6, T. 39 S., R. 5 W., south of Mungers Creek.

Geology: "The rocks of the locality are old, highly metamorphosed sediments."

"The only opening ⁱⁿ the deposit is an opencut about 10 ft. long with a face about 8 ft. high, all in a black, siliceous, metamorphosed sediment, into which hydrothermal solutions have penetrated, depositing quartz, rhodonite and a small amount of rhodochrosite in irregular small seams and lenses. A thin coating of hard manganese oxides covers some fracture planes, and a little soft black oxide occurs in joint cracks near the surface."

"The rock may be cobbled to show fairly large pieces of deep pink rhodonite, and several hundred pounds has been sold to collectors and lapidaries. The work done on the deposit has been to obtain rhodonite for this purpose".

"The surface indicates a considerable area of similar country rock, and probably trenching would show a greater extent of the rhodonite occurrence. From the standpoint of producing a metallurgical manganese ore, however, the prospect shows little promise."

SITE NAME: ELDER MANGANESE

COUNTY:

JOSEPHINE

SYNONYMS:

OWNER:

LOCATION:

MINING_DIS: LOWER APPLGATE

BLM_FS_DIS:

QUAD1: GRANTS PASS

SCALE: 100000

TOWNSHIP: 039S

QUAD2: OREGON CAVES

SCALE: 62500

RANGE: 005W

RIVER BASIN: 17

SECTION: 06

PHYSIOG: 13 KLAMATH MOUNTAINS

SECT_FRACT: S

USGS NUM: M013351

LAT: 42-12-22N

DOGAMI MLR:

LONG: 123-20-21W

REPORTER: LEE, W

UTM_N: 4672500

AFFILIATION: USGS

UTM_E: 472000

REP_DATE: 74 01

UTM_Z: +10

UPDATE BY: FERNS, MARK L.

ALTITUDE:

AFFILIATION: ODGMI

UP DATE: 81 02

YR_DISC:

STATUS: 4

PRODUCTION: YES

PRODUCTION SIZE:

COMMODITIES PRESENT: GEMSTONES

YR_1ST_PRO:

YR_LASTPRO:

COMMODITIES PRODUCED: GEMSTONES

ORE_MAT: RHODONITE; RHODOCROSITE, MANGANESE OXIDES

GANGUE:

DEPOS_TYP:

MIN_AGE:

HOST_ROCK: METASEDIMENTS

HOST_R_AGE: PERM-TRI

ALTERATION:

IGNEOUS_R:

IG_R_AGE:

ORE_CNTRL:

DEP_DESCOM:

GEOLOG_COM:

TYPE OF WORKINGS:

WORKINGS DESCRIPTION: DEVELOPED BY AN OPEN CUT 10 FEET LONG AND 8 FEET DEEP.
SMALL PRODUCTION.

CUMULATIVE PRODUCTION (UNITS IN 1000'S)

ITEM1:

ITEM2:

ITEM3:

AMT1:

AMT2:

AMT3:

UNIT1:

UNIT2:

UNIT3:

YEAR1:

YEAR2:

YEAR3:

ITEM4:

ITEM5:

ITEM6:

AMT4:

AMT5:

AMT6:

UNIT4:

UNIT5:

UNIT6:

YEAR4:

YEAR5:

YEAR6:

GENERAL COMMENTS:

REFERENCES:

RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P