

State Department of Geology and Mineral Industries *J.H.*OW YUEN CLAIMS (manganese)702 Woodlark Building
Portland, Oregon~~State~~ Summary & conclusions:

Pods and boulders of rhodonite and pinkish to greenish quartzite are superficially stained with black manganese oxides. Several shallow cuts expose the siliceous ore. Unless some method for handling rhodonite ore is developed, the deposit has little possibilities for the production of ferro-grade manganese.

Owners: Tom Brown, J. S., & J. R. Kelly, Roseburg, Oregon.

Location: NW $\frac{1}{4}$ sec. 5 and NE $\frac{1}{4}$ sec. 6, T. 40 S., R. 6 W., just south of Caves Hwy. 46.4 miles from Grants Pass, and 14.4 miles from the junction at Cave Junction.

Area: Three claims, held by location, recorded at Grants Pass, Oreg.

History: Located by Tom Brown, May 21, 1915, and relocated by the above owners about 8 years ago. An easement has been granted to the Oregon State Highway Commission across the Ow Yuen claim, for the Caves Highway.

Development: About $\frac{1}{2}$ mile of road is being constructed from the Caves Highway to the center of the claims where there are two cabins. The deposits lie on both sides of Cave Creek. There are three groups of shallow cuts; one group has 4 cuts, another has two cuts, and the third has one cut. No underground work.

Geology: According to the Grants Pass geologic map, the country rock is metavolcanic with some serpentine to the west in sec. 6. According to the field examination, it appears that the rock associated with the Rhodonite is a quartzite, or highly silicified rock. The quartzite ? is sheared with the development of some sericite. Near the rhodonite the quartzite ? is stained greenish or pinkish.

The rhodonite appears to lie in small pods or in bouldery masses. There is a slight suggestion of bedding in one spot, with a northeast trend. The rhodonite masses seem to grade into the siliceous country rock and no definite limits could be set, with the amount of development work which has been done.

The outcrops and exposures have the appearance of being high-grade oxide. However, the oxide is merely a thin "skin" and a light hammer blow exposes pinkish rhodonite.

Some of the rhodonite has a beautiful pink color.

Informant: Ray C. Treasher, May 15, 1941.
Report by: RCT 5/15/41

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... MO13361
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 DEPOSIT NO..... DDGMI 100-387
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 81 03
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... OH YUEN CLAIMS
 SYNONYM NAME..... AKERS; OREGON CAVES

MINING DISTRICT/AREA/SUBDIST. WALDO

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

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

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

QUAD SCALE QUAD NO OR NAME
 1: OREGON CAVES

LATITUDE LONGITUDE
 00-33-56N 123-19-49W

JTM NORTHING UTM EASTING UTM ZONE NO
 62500 463250. +10

TWP..... 40S
 RANGE..... 06W
 SECTION.. 05 06
 MERIDIAN. W.M.

COMMODITY INFORMATION

OCCURRENCE..... MN

ORE MATERIALS (MINERALS, ROCKS, ETC.):
RHODONITE; MANGANESE OXIDES

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 1

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
BEDDED SEDIMENTARY
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):
DEVELOPED BY 7 OPEN CUTS IN 3 GROUPS

PRODUCTION
NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... QUARTZITE
IGNEOUS ROCK TYPES..... SERPENTINE

GEOLOGICAL DESCRIPTIVE NOTES. RHODONITE IS ASSOCIATED WITH QUARTZITE AND LIES IN SMALL PODS OR IN BOULDERY MASSES

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: APPLING GROUP
AGE: PERM-TRI

SIGNIFICANT LOCAL STRUCTURES:
EAST DIPPING REVERSE FAULT

GENERAL REFERENCES

- 1) APPLING, R.N., 1958, MANGANESE DEPOSITS OF SOUTHWESTERN OREGON; USBM REPT. INV. 5369, P. 30
- 2) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P. 210
- 3) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P

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

OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P. 67

SITE NAME: OW YUEN CLAIMS COUNTY: JOSEPHINE
SYNONYMS: AKERS, OREGON CAVES
OWNER:
LOCATION: CAVE CREEK
MINING_DIS:WALDO
BLM_FS_DIS:
QUAD1: GRANTS PASS SCALE: 100000 TOWNSHIP:040S
QUAD2: OREGON CAVES SCALE: 62500 RANGE:006W
RIVER BASIN:17 SECTION:05
PHYSIOG: 13 KLAMATH MOUNTAINS SECT_FRACT:NW,NW

USGS NUM: M013361 LAT:42-07-30N
DOGAMI MLR: LONG:123-26-22W
REPORTER: LEE, W UTM_N:4662500
AFFILIATION: USGS UTM_E:463250
REP_DATE: 74 01 UTM_Z:+10
UPDATE BY: FERNS, MARK L. ALTITUDE:
AFFILIATION: ODGMI
UP DATE: 81 03

YR_DISC: STATUS: 1
PRODUCTION:NO PRODUCTION SIZE:

COMMODITIES PRESENT:MN
YR_1ST_PRO: YR_LASTPRO:

COMMODITIES PRODUCED:
ORE_MAT: RHODONITE; MANGANESE OXIDES

GANGUE:
DEPOS_TYP: BEDDED SEDIMENTARY

MIN AGE:
HOST_ROCK: QUARTZITE

HOST_R_AGE:PERM-TRI
ALTERATION:

IGNEOUS R: SERPENTINE
IG_R_AGE:

ORE_CNTRL:
DEP_DESCOM:

GEOLOG_COM:
TYPE OF WORKINGS:

WORKINGS DESCRIPTION:DEVELOPED BY 7 OPEN CUTS IN 3 GROUPS