

SITE NAME: BAILEY PROPERTY
SYNONYMS: BAILEY MANGANESE

COUNTY: JACKSON

OWNER:
LOCATION:
MINING_DIS:GOLD HILL AREA
BLM_FS_DIS:
QUAD1: MEDFORD
QUAD2: MEDFORD
RIVER BASIN:
PHYSIOG: 13

SCALE: 100000 TOWNSHIP:037S
SCALE: 62500 RANGE:003W
SECTION:01
SECT_FRACT:SE

USGS NUM: M013904
DOGAMI MLR:
REPORTER: LEE, W
AFFILIATION: USGS
REP_DATE: 74 01
UPDATE BY: FERNS, MARK L.
AFFILIATION: ODGMI
UP DATE: 80 12

LAT:42-22-30N
LONG:122-59-47W
UTM_N:4691200
UTM_E:500300
UTM_Z:+10
ALTITUDE:

YR_DISC:
PRODUCTION:NO
COMMODITIES PRESENT:MN
YR_1ST_PRO:
COMMODITIES PRODUCED:
ORE_MAT: RHODONITE, MAGANITE, PSILOMELANE
GANGUE:
DEPOS_TYP: SHEAR ZONE
MIN_AGE:
HOST_ROCK: METASEDIMENTS
HOST_R_AGE:PERM-TRI
ALTERATION:
IGNEOUS_R: GRANODIORITE
IG_R_AGE: LJUR-ECRET
ORE_CNTRL:
DEP_DESCOM:
GEOL_COM: PROSPECT IS IN HORNFELED METASEDIMENTS
TYPE OF WORKINGS: SURFACE
WORKINGS DESCRIPTION:DEVELOPED BY A NUMBER OF 5 TO 8 FT DEEP TRENCHES

STATUS: 2
PRODUCTION SIZE:

YR_LASTPRO:

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:

APPLING, R.N., 1958, MANGANESE DEPOSITS OF SOUTHWESTERN OREGON;
USBM REPT. INVEST. 5369, P.36

OREGON METAL MINES HANDBOOK, 1943, ODGMI BULL. 14-C, VOL. 2,
SEC. 2, P.45

RECORD IDENTIFICATION

RECORD NO..... #013904
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 80 12
 BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... BAILEY PROPERTY
 SYNONYM NAME..... BAILEY MANGANESE

MINING DISTRICT/AREA/SUBDIST. GOLD HILL AREA

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

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

COUNTY..... JACKSON
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 MEDFORD

LATITUDE LONGITUDE
 42-22-30N 122-59-47W

UTM NORTHING UTM EASTING UTM ZONE NO
 4691200. 500300. +10

TWP..... 37S
 RANGE..... 03W
 SECTION.. 01
 MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: SE1/4

COMMODITY INFORMATION

COMMODITIES PRESENT..... MN

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):

RHODONITE, MAGANITE, PSILOMELANE

ANALYTICAL DATA (GENERAL)

A CHIP SAMPLE 3 FT LONG ASSAYED 4.9% MANGANESE

EXPLORATION AND DEVELOPMENT

STATUS OF EXPLOR. OR DEV. 2

PROPERTY IS INACTIVE

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SHEAR ZONE

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT.....	SMALL	
MAX LENGTH.....	45	FT
MAX WIDTH.....	4	FT
STRIKE OF DREBODY....	N5W	
DIP OF DREBODY.....	90	

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS (DESCRIP. OF WORKINGS):

DEVELOPED BY A NUMBER OF 5 TO 8 FT DEEP TRENCHES

PRODUCTION

NO PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS.....	PERM-TRI
HOST ROCK TYPES.....	METASEDIMENTS

AGE OF ASSOC. IGNEOUS ROCKS..	LJUR-ECRET
IGNEOUS ROCK TYPES.....	GRANODIORITE

GEOLOGICAL DESCRIPTIVE NOTES. A FOUR-FOOT FRACTURE ZONE CONTAINS MANGANITE AND PSILOMELANE WITH TRACES OF RHODONITE.

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: APPELEGATE GROUP
AGE: PERM TRI

NAMES/AGE OF IGNEOUS UNITS OR IGNEOUS ROCK TYPES

2) NAME: JACKSONVILLE STOCK

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

BAILEY MANGANESE

JACKSONVILLE DISTRICT

Owner: A. L. Bailey, Rt. 7, Box 124, Central Point, Oregon.

Location: SE $\frac{1}{4}$ sec. 1, T. 37 S., R. 3 W., Jackson County

History: The following is quoted from the Hodge 1/ report:

"This occurrence of manganese ore is on the east side of the narrow canyon almost at the source of Lane Creek, or the west fork of Willow Cr., in the SE $\frac{1}{4}$ sec. 1, T. 37 S., R. 3 W., Jackson County. The Bailey house is further upstream, and on the opposite side of the creek, in the SW $\frac{1}{4}$ sec. 12. Postoffice address is Box 124, Route 7, Central Point, Oregon. The Baileys are operating a small amalgamation mill in the creek, working gold ore from a nearby locality. A small but rich pocket of gold ore closely adjacent to the manganese deposit has been worked out."

"The exposure of manganese ore lies on a steep hillside only 250 feet from the road and 120 feet above it. From this point, it is 1 $\frac{1}{2}$ miles down a dirt road to the old Jacksonville-Gold Hill turnpike, and thence 4 miles by level, gravelled road to the Southern Pacific railroad at Central Point."

"The rocks of the neighborhood are old metamorphics. At the place in question, a nearly vertical fracture zone, striking due N-S, has been mineralized with manganese oxides to a width of about 4 feet. Manganite and psilomelane predominate, but traces of rhodonite suggest that at greater depth, below atmospheric weathering, the ore is likely to become more siliceous. As observed at the outcrop, a given lump of ore appears to have a fairly uniform composition, indicating that little or no improvement in its manganese content could be obtained by crushing and concentrating."

"Development to date is a trench, 6-8 ft. wide, following the mineral zone uphill and exposing it at 3 levels within a horizontal distance of 45 ft. and vertical distance of 30 ft. The hill rises rapidly--130 ft. in 350 ft.-- along the projected strike of the zone to the south, and further exploration both above and below the present workings would be a simple matter; this should be undertaken by the owner before he can expect to attract more active interest in his property."

1/ Hodge, Edwin T., Preliminary Report on Some Northwest Manganese Deposits: War Dept., 1936

CONFIDENTIAL

BAILEY MANGANESE

JACKSONVILLE DISTRICT

The following is taken from the U.S.G.S., field notes, Medford Quad. and is strictly confidential.

SE $\frac{1}{4}$ sec. 1, T. 37 S., R. 3 W., elev. 1860-1880 feet following path up the hill one-quarter mile from where dirt road crosses the creek. Manganese mine & dump. Manganese occurs as pyrolusite coating on fractures or joint planes in hard, finely crystalline dark colored siliceous quartzitic rock.