

## CRIB MINERAL RESOURCES FILE 12

## RECORD IDENTIFICATION

RECORD NO..... M061048  
 RECORD TYPE..... XIM  
 COUNTRY/ORGANIZATION. USGS  
 MAP CODE NO. OF REC..

## REPORTER

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 UPDATED..... 81 02  
 BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

## NAME AND LOCATION

DEPOSIT NAME..... WHITNEY

MINING DISTRICT/AREA/SUBDIST. GOLD HILL

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

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

COUNTY..... JACKSON  
 DRAINAGE AREA..... 17 ROGUE RIVER  
 PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS  
 LAND CLASSIFICATION..... 00

QUAD SCALE QUAD NO OR NAME  
 1: 62500 GOLD HILL

LATITUDE LONGITUDE  
 42-27-05N 123-00-49W

UTM NORTHING UTM EASTING UTM ZONE NO  
 4699670.1 498880.0 +10

TWP..... 36S  
 RANGE..... 03W  
 SECTION.. 13  
 MERIDIAN. WILLAMETTE

LOCATION COMMENTS: NE 1/4 SW 1/4

## COMMODITY INFORMATION

COMMODITIES PRESENT..... AU CU

POTENTIAL.....  
OCCURRENCE..... CU

DRE MATERIALS (MINERALS, ROCKS, ETC.):  
GOLD, CHALCOPYRITE

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

VEIN \*

FORM/SHAPE OF DEPOSIT: STRINGERS

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL  
MAX WIDTH..... 5 FT  
STRIKE OF DREBODY.... N67W  
DIP OF DREBODY..... 65SW

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):  
OVER 450 FEET OF WORKINGS IN TWO ADITS.

PRODUCTION

YES

SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 AU		SMALL		PRE-1914	
23 AU, OCCUR					AU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI  
HOST ROCK TYPES..... PYROXENITE HORNfels HORNfels

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

PERTINENT MINERALOGY..... QUARTZ, CLAY; MAGNETITE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

WHITNEY MINE (gold)

Gold Hill area

General: Parks & Swartley reported as follows:

"The Whitney mine 2 miles east of Gold Hill is in the N.E.  $\frac{1}{4}$  S.W.  $\frac{1}{4}$  sec. 13, T. 36 S., R. 3 W., in a coarse subsiliceous rock not far west of the tonalite border. The main entry at an elevation of 1375 feet, is a crosscut for 130 feet; at 10 feet from the portal a vein said to have produced high grade ore strikes N.  $50^{\circ}$  W. and dips  $60^{\circ}$  S.W. At 70 feet from the portal a drift follows vein No. 1 for 290 feet; this vein contains 2 to 5 feet of soft material with stringers of quartz; it strikes N.  $67^{\circ}$  W. and dips  $55^{\circ}$  to  $75^{\circ}$  S.W. At the breast of the crosscut a raise follows vein No. 2 which has a 3-foot vein-filling like the preceding and is about parallel with it. In these workings small stringers of aplite are common generally standing about vertical and trending north. In another adit only 20 feet vertically higher, the No. 2 vein is found to be in a granitic dike while the No. 1 vein is on the granite contact about 30 feet distant. At this level the latter is a shear zone carrying a little quartz. Several smaller veins have been explored for short distances. One of them contains some chalcopyrite in places. At the intersections of these veins with the larger ones good ore has been found. A subsiliceous rock containing considerable magnetite is associated with these veins and not found elsewhere on the hill. It appears to be a contact phase rather than a separate intrusion. In thin section it is found to consist of coarse augite and magnetite with a little olivine and brown hornblende."

Reference: Parks & Swartley, 16:236 (quoted).