

RECORD IDENTIFICATION

RECORD NO..... M061478  
RECORD TYPE..... X1M  
COUNTRY/ORGANIZATION. USGS  
MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.  
UPDATED..... 81 02  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... COPPER KING

MINING DISTRICT/AREA/SUBDIST. POWERS

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

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

COUNTY..... COOS  
DRAINAGE AREA..... 17100305 PACIFIC NORTHWEST  
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS  
LAND CLASSIFICATION..... 40

QUAD SCALE            QUAD NO OR NAME  
1: 62500            AGNESS

LATITUDE            LONGITUDE  
42-40-30N            124-08-08W

UTM NORTHING        UTM EASTING        UTM ZONE NO  
4725150.0            406950.0            +10

TWP..... 33S  
RANGE..... 12W  
SECTION.. 33

LOCATION COMMENTS: WILLAMETTE

COMMODITY INFORMATION

COMMODITIES PRESENT..... CU    AU    AG

MAIN COMMDD..... CU  
MINOR COMMDD..... AU    AG

COMMODITY SUBTYPES OR USE CATEGORIES:  
0.625 AU:AG

ANALYTICAL DATA(GENERAL)  
COMPOSITE SAMPLE ASSAYED 2.23% CU, 0.05 OZ/TON AU; 60.08 OZ/TON AG

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:  
VEINLETS  
FORM/SHAPE OF DEPOSIT: LENS OF QUARTZ

SIZE/DIRECTIONAL DATA  
SIZE OF DEPOSIT..... SMALL  
COMMENTS(DESCRIPTION OF DEPOSIT):  
BOULDER TYPE OF COPPER DEPOSIT

DESCRIPTION OF WORKINGS  
SURFACE

PRODUCTION  
NO PRODUCTION

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

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... JUR  
HOST ROCK TYPES..... SERPENTINE  
  
AGE OF ASSOC. IGNEOUS ROCKS.. JUR  
IGNEOUS ROCK TYPES..... DACITE PORPHYRY  
  
PERTINENT MINERALOGY..... QUARTZ

GENERAL REFERENCES

- 1) BALDWIN, E.M. AND OTHERS, 1973, GEOLOGY AND MINERAL RESOURCES OF COOS COUNTY, OREGON; ODGMI BULL. 80, P. 54
- 2) OREGON METAL MINES HANDBOOK, 1940, ODGMI BULL. 14-C, VOL. 1, P. 40



**COPPER KING CLAIMS** (Copper, Gold)

Powers Area

Owner: John R. Smith and associates, Floras Lake, Oregon.

Location: sec. 33, T. 33 S., R. 12 W.

Area: 3 full size lode mining claims held by location, and known as Copper King Nos. 1, 2, and 3. Mr. Smith states that he has made a large number of open cuts tracing the vein for the full length of the three claims.

**COPPER KING NO. 1** (Copper-gold)

"One-fourth of a mile west of Mr. John R. Smith's placer ground on Rock Creek in the south central part of T. 33 S., R. 12 W., is a thick lens of quartz included within serpentine, and which itself enclosed small quantities of the latter. It contains considerable chalcopryrite and the upper portion is seamed with veinlets of malachite and some azurite. A mass of this material measuring about 30 feet long and 20 feet thick is exposed by open cuts. Several prospectors who have examined this deposit consider it as boulder or a large chunk of float which has rolled down from some higher point. There is no doubt, however, that it is in place in the serpentine and represents a "boulder copper deposit" allied to those found farther south in Curry County, but differing notably therefrom in the large quantity of quartz present. This deposit lies about 100 feet east of a big outcrop of dacite-porphry and may be genetically connected therewith. A general sample taken from all the exposures proved to contain 2.23 percent copper, .05 oz. gold, and .08 oz. silver. Concentration would doubtless produce a fairly high grade product." (Ref: Parks and Swartley, 16:72 quoted).

Informant: J. E. Morrison, March 26, 1939.