

ORE MATERIALS (MINERALS, ROCKS, ETC.):
FINE & COARSE GOLD

COMMODITY SUBTYPES OR USE CATEGORIES:
NUGGETS UP TO 12 OZ.

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 8

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

PLACER

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... MEDIUM

MAX THICKNESS..... 15 FT

DESCRIPTION OF WORKINGS
SURFACE

COMMENTS (DESCRIP. OF WORKINGS):
HYDRAULIC, 25 ACRES MINED

PRODUCTION

YES

SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 AU	EST	0015.000 OZ		PRE-1940	
23 AU, EST		225.000+ DOLLARS		1861-1938	AU

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... QUAT

HOST ROCK TYPES..... COLLUVIUM AND CREEK GRAVELS

GEOLOGICAL DESCRIPTIVE NOTES. BEDROCK GREENSTONE & GRANITE

GENERAL REFERENCES

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

2) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P.157

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M061091
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 DEPOSIT NO..... DDGMI 100-352
 MAP CODE NO. OF REC..

REPORTER

NAME..... JOHNSON, MAUREEN G.
 UPDATED..... 81 05
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... HORSEHEAD PLACER
 SYNONYM NAME..... NATTS PLACER (#82)

MINING DISTRICT/AREA/SUBDIST. LOWER APPLGATE

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

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

COUNTY..... JOSEPHINE
 DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 OREGON CAVES

LATITUDE LONGITUDE
 42-14-45N 123-17-24W

UTM NORTHING UTM EASTING UTM ZONE NO
 4676898.0 476074.2 +10

TWP..... 38S
 RANGE..... 05W
 SECTION.. 21-28

POSITION FROM NEAREST PROMINENT LOCALITY: ON HORSEHEAD CREEK

COMMODITY INFORMATION

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

Report by R.C. Treasher
August 28, 1940

Lower Applegate Dist.
Josephine County

FILE

Name of Property: Horsehead Placer

Owner: Ben S. Watts, Murphy, Oregon

Location: S $\frac{1}{2}$ and NW $\frac{1}{4}$ SE $\frac{1}{4}$; and SE $\frac{1}{4}$ SW $\frac{1}{4}$; sec. 21; N $\frac{1}{2}$ of NE $\frac{1}{4}$; and NE $\frac{1}{4}$ of NW $\frac{1}{4}$ sec 28; T. 38 S., R 5 W., for which definite locations were given. All on Horsehead Creek about 5 miles S.E. of Provolt, adjacent to Williams Creek.

Area: A total of 279 acres of patented land.

History: This placer was first located and worked in 1861 by Alex I. Watts. It has been operated intermittently ever since by Mr. Watts or his son, Ben S. Watts. There is no record of production, but Mr. Watts believes it may have been from \$200,000 to \$250,000. The lowest recovery for any working season was \$500 and the highest recovery was \$7,000. About 25 acres have been placered.

Geology: The area is adjacent to Horsehead Creek, and the placer consists of a series of channels, or elongated "hot spots" that trend east-west, and head into the range of hills west of Williams Creek, south of the Humdinger and Oregon Bonanza mines. Essentially, it is a hill-side operation. Bedrock is variously reported as greenstone and decomposed granite. Bedrock is cleaned readily. Average gravel depth is 16 feet up to a maximum of 30 feet with very little overburden. There is only a small amount of clay and no large boulders.

Fine and coarse gold is fairly well distributed throughout the gravel. Some fair sized nuggets are recovered, averaging around an ounce in weight; one 12 oz. nugget was found which was sold to the bank and has since passed from the record.

Water Right:

Mr. Watts has a water right for 10 second-feet of water from Munger Creek (dated 1898) and from China Gulch (dated 1861). Additional water rights are being procured.

Miscellaneous Information:

Mining season is from November to June. Average snowfall accumulates to a depth of 8 inches during these months. Mr. Watts estimates that 150 acres of ground remain to be placered.

Equipment:

Equipment consists of one No. 1, and one No. 2 giant, and 2000 feet of 8 inch to 16 inch hydraulic pipe. Elevation of the placer is 1800 feet.

Reference:

Diller, 14: 117-118

Informants:

J. E. Morrison, 4-1-38 (revised)
Ben S. Watts

Report by:

Ray. C. Treasher, 8-28-40