

RECORD IDENTIFICATION

RECORD NO..... M061214
 RECORD TYPE..... X1M
 COUNTRY/ORGANIZATION. USGS
 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..... HOGUM CREEK
 SYNONYM NAME..... BOOTH PLACER

MINING DISTRICT/AREA/SUBDIST. RIDDLE

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

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

COUNTY..... DOUGLAS
 DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
 1: 62500 DAYS CREEK

LATITUDE LONGITUDE
 42-46-15N 123-11-02W

UTM NORTHING UTM EASTING UTM ZONE NO
 4735182.5 484946.0 +10

TWP..... 32S
 RANGE..... 04W
 SECTION.. 20 21 28 30
 MERIDIAN. WILLAMETTE

POSITION FROM NEAREST PROMINENT LOCALITY: ON HOGUM CREEK

LOCATION COMMENTS: 20, 21, 28

COMMODITY INFORMATION

COMMODITIES PRESENT..... AU

COARSE GOLD

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..... SMALL

MAX WIDTH..... 100 FT.

MAX THICKNESS..... 12 FT.

COMMENTS(DESCRIPTION OF DEPOSIT):

VALUES CONCENTRATED NEAR SHALE BEDROCK

DESCRIPTION OF WORKINGS

SURFACE

COMMENTS(DESCRIP. OF WORKINGS):

HYDRAULIC

PRODUCTION

YES

SMALL PRODUCTION

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

23 AU, MED SIGNIFICANT 1853-1940 AU

RESERVES ONLY

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE OR USE
1		SMALL		1940	IND.

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... QUAT

HOST ROCK TYPES..... CHANNEL GRAVELS

GEOLOGICAL DESCRIPTIVE NOTES. NO DESCRIPTION OF GRAVEL COMPOSITION; CONTAINS 2 TO 3 FT. DIAMETER BOULDERS.

GENERAL REFERENCES

1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON; DDCMI BULL. 75, P. 38

HOGUM HYDRAULIC MINES (Booth Mine) (Placer)

Riddle Area

Owner: John H. Jantzer, Azalea, Oregon.

Location: On Hogum Creek about 6 miles SE of Azalea in secs.21-28 and 33, T.32 S., R.4 W.

Area: 240 acres consisting of 88 acres patented ground and 152 acres held by location.

History: The ground has been worked in a small way from the time of discovery in 1853 to 1870. During this period about 1/2 mile of the creek was worked. In the '80's W. S. Booth installed hydraulic equipment and used one giant.

The property was worked intermittently up to 1928. Since then the present owner has operated regularly every season.

Geology: The channel is about 100 feet wide and has a uniform grade of about 7%. Gravel varies in thickness from about 12 feet at the lower end to about 7 feet at the upper end and has a variation in color, ranging through blue, green, and red - but apparently values bear no relation to color. There are boulders 2 or 3 feet in diameter. The bedrock is shale and is quite irregular and rough. Values are concentrated near bedrock which often contains coarse gold. A high channel is known to exist on Hogum Creek, but very little is known about it.

Equipment: 3,500 feet of pipe of various sizes. Five No.1 Giants and a gas donkey engine.

Miscellaneous Information: Total water rights held by the company are $20\frac{1}{2}$ c.f.s. divided as follows: White Horse -2 c.f.s.; Fizzelout-5 c.f.s.; Boulder Creek- $5\frac{1}{2}$ c.f.s.; Hogum-8 c.f.s. There are 11 ditches with a total length of 6 miles. A maximum head of 500 feet may be obtained, but most of the water is delivered under a head of less than 100 feet.

The operating season is about 200 days from November to June. The maximum snowfall is 18 inches. During some working seasons, freezing of water in the ditches gives trouble.

Informant: J. E. Morrison, 38.