

- ★ claims involves 40 acres - 20 acres mineable
- ★ ~~average~~ gravel estimated to be 25' deep
- ★ Gravel - fine to 4' boulders - average 8-10"
- ★ 25% 5/8 and under a limited number of
- 50% 5/8 to 1 1/2" boulders up to 8'
- 25% 1 1/2" and above
- ★ Estimated 1 million yards mineable
- ★ next mine down stream averaging \$8.00 per yd
- ★ oked, with permits for mining -
- ★ approved settling ponds
- ★ water rights for mining approved

★ some mining equipment included

File Sucker Creek *Len-* *PTI*
12

NOTICE TO MINING CLAIMANTS

Published pursuant to Section 5 of the Act of July 23, 1955 (69 Stat. 367).

To whomever it may concern: PROCEEDING NO. BLM 83-1 (OR 36333).

Notice is hereby given in pursuance of a proper Request for Publication heretofore filed in accordance with Section 5 of the Act of July 23, 1955 (69 Stat. 367), and the regulations thereunder (43 CFR 3712.2).

1. That on July 12, 1983, the State Director, Bureau of Land Management, whose address is P.O. Box 2965 (825 N.E. Multnomah Street), Portland, Oregon 97208, through the Chief, Branch of Lands and Minerals Operations of the Bureau of Land Management, Department of the Interior, at P.O. Box 2965 (825 N.E. Multnomah Street), Portland, Oregon 97208, requested a publication of notice to all mineral locators or any person claiming under them involving a mining claim or claims located on all lands belonging to the United States and under the jurisdiction of the Bureau of Land Management in the County of Josephine, State of Oregon, described as follows, to wit:

Willamette Meridian

Oregon

T. 40 S., R. 7 W., Sec. 12, SW $\frac{1}{4}$ SE $\frac{1}{4}$ and W $\frac{1}{2}$ W $\frac{1}{2}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$.

2. That if any person claiming or asserting under, or by virtue of, any unpatented mining claim located prior to July 23, 1955, any right, title, or interest in the vegetative surface resources and other surface resources, under such mining claim, contrary to or in conflict with the limitations or restrictions specified in Section 4 of said Act, as to the above-described lands or any part thereof, shall fail to file with the Chief, Branch of Lands and Minerals Operations of the Bureau of Land Management at P.O. Box 2965

(825 N.E. Multnomah Street), Portland, Oregon 97208, and within 150 days from the below-stated date of first publication of this Notice, a verified statement which shall set forth as to such mining claim:

- (1) The date of location;
- (2) The book and page of recordation of the Notice or Certificate of Location;
- (3) The section or sections of the public land surveys which embrace such mining claim; or if such lands are unsurveyed, either the section or sections which would probably embrace such mining claim when the public land surveys are extended to such lands or a tie by courses and distances to an approved United States mineral monument;
- (4) Whether such claimant is a locator or purchaser under such location; and
- (5) The name and address of such claimant and names and addresses so far as known to the claimant of any other person or persons claiming any interest or interests in or under such unpatented mining claim; such failure shall be conclusively deemed (i) to constitute a waiver and relinquishment by such mining claimant of any right, title, or interest under such mining claim contrary to or in conflict with the limitations or restrictions specified in Section 4 of the Act of July 23, 1955 (69 Stat. 367), as to unpatented claims located after that date, and (ii) to constitute a consent by such mining claimant that such unpatented mining claim shall be subject to said limitations and restrictions, and (iii) to preclude thereafter, prior to issuance of patent, any assertion by such mining claimant of any right or title to or

interest in or under such mining claim contrary to or in conflict with said limitations or restrictions. Section 4 provides, generally, that unpatented mining claims located after July 23, 1955, shall not be used for purposes other than prospecting, mining, or processing operations, or uses reasonably incident thereto; that such claims will be subject to the right of the United States to manage and dispose of the vegetative surface resources thereof and to manage other surface resources thereof; and that, except to the extent required for mining operations and uses reasonably incident thereto or to provide clearance for such operations or uses, claimants of such claims shall not use or dispose of vegetative or other surface resources thereof; and that, except for clearance for such purposes, any permitted severance or removal of timber must be in accordance with sound principles of forest management. Said Section 4 also provides that any use of the surface of any such mining claim by the United States, its permittees or licensees, shall be such as not to endanger or materially interfere with the prospecting, mining, processing or reasonably incident uses by the mining claimant. The date of first publication of this Notice shall be August 24, 1983.

Dated: AUG 17 1983.

HAROLD A. BERENDS

Chief, Branch of Lands and
Minerals Operations

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... MO13326
 RECORD TYPE..... XIM
 COUNTRY/ORGANIZATION. USGS
 FILE LINK ID..... CONSV
 MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W
 DATE..... 74 01
 UPDATED..... 81 04
 BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... SUCKER CREEK PLACERS
 SYNONYM NAME..... INCLUDES AJAX, AKERS, CALIFORNIA BAR, FOUR LEAF, FOUR STAR, TANNEN, EDMONDS, GOLD
 PAN, YEAGER, KESTER, AND GRIZZLY PLACERS; B-H OREGON DREDGE (1945 - 1946)

MINING DISTRICT/AREA/SUBDIST. WALDO

COUNTRY CODE..... JS
 COUNTRY NAME: UNITED STATES

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

COUNTY..... JOSEPHINE
 DRAINAGE AREA..... 17100311 PACIFIC NORTHWEST
 PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
 LAND CLASSIFICATION..... 41 01

QUAD SCALE QUAD NO OR NAME
 1: OREGON CAVES

LATITUDE LONGITUDE
 42-07-37N 123-28-01W

UTM NORTHING UTM EASTING UTM ZONE NO
 4663750. 461400. +10

TWP..... 39S ; 040S ; 041S
 RANGE..... 006W ; 007W
 SECTION.. 36, 31
 MERIDIAN. W.M.

LOCATION COMMENTS: SUCKER CREEK AND TRIBUTARIES FROM THE MOUTH OF BEAR CREEK UPSTREAM TO HEADWATERS.

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. AJ.

ORE MATERIALS (MINERALS,ROCKS,ETC.):
GOLD

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 5
YEAR OF FIRST PRODUCTION. 1854

EXPLOR. AND DEVELOP. COMMENTS:
DRAGLINE DREDGE OPERATED ON SJCKER CREEK A SHORT DISTANCE ABOVE THE MOUTH OF GRAYBACK CREEK (1945 - 1946)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
PLACERS
FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
COMMENTS(DESCRIPTION OF DEPOSIT):
CHANNEL AND BENCH GRAVELS

PRODUCTION
YES

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

ITEM	ACC	AMOUNT	THOUS.UNITS	YEAR	GRADE,REMARKS
15 AU	SOME			1854 - 1980	INTERMITTANT

PRODUCTION COMMENTS..... STREAM GRAVELS LARGELY EXHAUSTED BY 1914.

GENERAL COMMENTS
SEPARATE RECORD FOR THE FOUR LEAF CLOVER

GENERAL REFERENCES

- 1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100, 45P
- 2) BROOKS, H.C. AND RAMP, L., 1968, GOLD AND SILVER IN OREGON; ODGMI BULL. 61, P.242
- 3) OREGON METAL MINES HANDBOOK, 1940, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P.176 - 224

SUCKER CREEK PLACERS, KOLA'S PLACER MINE

2/8/90

DOGAMI geologists Tom Wiley and Frank Hladky toured KOLA's placer on Sucker Creek with DOGAMI reclamation specialist Allen Throop and USFS geologist John Nolan. Leading the tour were Walter Wolf (Mining Consultant who has worked for KOLA's Dutch parent company for 19 years) and Hans Christian (Mining Engineer recently graduated from Delft School of Mines, Holland). KOLA also has property or is looking at property near Cecilville, CA, and in eastern Oregon.

Location

Section 31, T39S R6W; Waldo Mining District, Josephine County. Kerby Peak 1:24,000 Quadrangle.

Current Status

Tuning-up mill by running gravel obtained during excavation of settling pond.

History

Diller (1914, p. 118) reported 1907 placer production of \$6000 from this area. Nearby Boswell Mine was worked beginning in 1914.

Regional Geology

The mine is located near the boundary of the Rattlesnake Creek(?), Applegate, and Marble Mountains terranes (Silberling et al., 1987)

Local Geology

We did not examine bedrock geology at the site. Ramp (1979) shows bedrock as Applegate Group metasedimentary rocks surrounded by metavolcanic rocks. The CRIB file reports a sheared contact between serpentinite and andesitic greenstone at the Boswell Mine (Au) 1 mile SW (upstream) of KOLA's placer mine; both a 'silicified shear zone' and 'gossan apparently separate from shear zone' contain gold at that mine.

Ore Bodies

Gold is concentrated along bedrock at depths of about 50 feet. Gold recovered from the gravel excavated for the settling pond is generally less than 4 mm in diameter and consists mainly of flakes 1 to 2.5 mm long and 0.5 mm thick; some fine gold was also recovered. Several flakes and small nuggets contained quartz inclusions.

Reserves

Settling ponds, roads, and the mill pad cover much of the claim. John Nolan estimates workable ground is less than 2 acres without moving the mill, rechanneling the creek, or obtaining additional land. Estimating 2 acres

with 51 feet of gravel gives 164,560 cubic yards of reserves. Processing 1000 cubic yards per day suggests a maximum operating life of 165 days.

Equipment

The 1000 cu.yd./day mill was designed and built in Austria and transported to the site. After gravel passes through a 3" shaker it is trucked to a conveyor which dumps to two screens that pass 8 mm and smaller particles into four centrifugal(?) separators. Water is recycled and sand and small gravel removed by two hydrosiphons to minimize runoff.

Plans (Hopes)

Nugget detectors for 8-76 mm conveyors, new conveyors, and a 500 Watt ultrasonic clay flocculator for the settling ponds are on order.

References

Diller, J.S., 1914, Mineral resources of southwestern Oregon: U.S. Geological Survey Bulletin 546, 147 p.

Ramp, Len, 1979, Geologic map of Josephine County, Oregon, in Ramp, Len, and Peterson, N.V., Geology and Mineral Resources of Josephine County, Oregon: Oregon Department of Geology and Mineral Industries Bulletin 100, 1:124,000.

Silberling, N.J., D.L. Jones, M.C. Blake, Jr., and D.G. Howell, 1987, Lithotectonic terrane map of the western conterminous United States: U.S. Geological Survey Miscellaneous Field Studies Map MF-1874C, 1:2,500,000.