

#23 @ \$350/oz .86 Fineness 240 acres Josephine Ck (own)  
- 12" sluice box to impact mill -70 mesh, to concentrator to table  
30 yds/hr

- 1/2 mile above Illinois River

- 1' - 24' gravel

- 40,000 to \$3,000,000 monies needed to operate

- own property 240 acres

- lease 80 acres

320 acres in all

Roan McCure (503) 592-3743

Cave Junction

Two hard rock <sup>qtz</sup> veins recently discovered on property  
that contain free gold when crushed in impact mill

I looked at this property in the early 1980's and did  
some test work on adjacent property west of the creek.  
It has been mined sporadically in the past sometimes quite  
extensively, so I am not sure how much ground is left that  
has good auriferous gravels. I don't believe there is enough  
volume for Sunshine to be interested, but there may as much  
as 3,000,000 yds available still left to mine. The bedrock  
is quite uneven and varies in depth considerable over short  
distances, also a large operation may be impossible because there  
is no room to hold large volumes of tailings before the creek  
dumps into the Illinois river.

GWS

5/29/81

RECORD IDENTIFICATION

RECORD NO..... MO13266  
RECORD TYPE..... XIM  
COUNTRY/ORGANIZATION. USGS  
FILE LINK ID..... CONSW  
MAP CODE NO. OF REC..

REPORTER

NAME..... LEE, W  
DATE..... 74 01  
UPDATED..... 81 05  
BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... JOSEPHINE CREEK PLACERS  
SYNONYM NAME..... INCLUDES BEAR, GOLD KING, NORTON, GOLDEN PRINCESS, INDEPENDENCE, OLD RAY, AND JOSEPHINE CREEK PLACERS

MINING DISTRICT/AREA/SUBDIST. ILLINDIS RIVER

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: CAVE JUNCTION  
1: 62500

LATITUDE LONGITUDE  
42-13-04N 123-42-53W

UTM NORTHING UTM EASTING UTM ZONE NO  
4674000. 441000. +10

TWP..... 38S  
RANGE.... 09W  
SECTION.. 36  
MERIDIAN. W.M.

POSITION FROM NEAREST PROMINENT LOCALITY: JOSEPHINE CREEK AND ILLINDIS RIVER FROM MOUTH OF JOSEPHINE CREEK DOWNSTREAM TO THE MOUTH OF DEER CREEK.



PRODUCER(PAST OR PRESENT):  
MAJOR PRODUCTS.. AJ  
MINOR PRODUCTS.. PT NI

ORE MATERIALS (MINERALS, ROCKS, ETC.):  
FREE GOLD, PLATINUM, JOSEPHINITE (NATIVE NICKEL-IRON), OREGONITE (NICKEL-IRON ARSENIDE)

EXPLORATION AND DEVELOPMENT  
STATUS OF EXPLOR. OR DEV. 7

#### DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

PLACER

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL

MAX THICKNESS..... 100 FT

COMMENTS(DESCRIPTION OF DEPOSIT):

HIGH BENCH GRAVELS AND CONGLOMERATES IN ADDITION TO MODERN STREAM GRAVELS

#### DESCRIPTION OF WORKINGS

COMMENTS(DESCRIP. OF WORKINGS):

OVER 1000 FEET OF DRIFTS ON BEDROCK IN ADDITION TO HYDRAULIC AND DRAGLINE DREDGE WORKINGS

#### PRODUCTION

YES

SMALL PRODUCTION

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

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 AU	EST	030.000+	OZ	PRE-1940	
16 PT		SMALL			

PRODUCTION COMMENTS..... MINOR PRODUCTION OF JOSEPHINITE AND OREGONITE FOR MINERAL COLLECTORS

#### GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... QUAT

HOST ROCK TYPES..... TERRACE AND CHANNEL GRAVELS

GEOLOGICAL DESCRIPTIVE NOTES. OLD CHANNEL OF CEMENT - GRAVEL LIES 200 FEET ABOVE THE CREEK; IT IS 100 FEET DEEP,  
200 FEET WIDE, AND 5000 FEET LONG.

LOCAL GEOLOGY