



CONTACT INFORMATION

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Arizona Department of Mines and Mineral Resources Mining Collection

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07/01/97

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: SMITH MILL SITE

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 132

LOCATION: TOWNSHIP 5 N RANGE 4 W SECTION 3 QUARTER NW
LATITUDE: N 33DEG 48MIN 18SEC LONGITUDE: W 112DEG 40MIN 17SEC
TOPO MAP NAME: WICKENBURG SW - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
MILL AU TAILINGS

BIBLIOGRAPHY:
USGS WICKENBURG SW QUAD
HINTON R J 1000 OLD ARIZONA MINES
CONSTRUCTED TO PROCESS VULTURE ORE

KAP WR 2/20/81: Al Crook reported he has a small cyanide recovery operation at the Smith Mill site along the Hassayampa River in Maricopa County. The Smith Mill site contains tailings from early Vulture Mine ore milling operations. Here he is treating the old Vulture tailings in a small cyanide mill and has recovered gold and silver. He also operates a rock shop and silvercraft shop at Circle City (?).

JHJ Memo 5/5/81: Crook's Silver, Box 45, Morristown, Arizona 85342 (in Circle City). Mr. Al Crook is manufacturing electrowinning plants for gold and silver. The end product is an electrum in a sheet 10"X20" (approximately).

RRB WR 5/27/83: John Challinor was in to discuss West Star Refining (Great Western Mining Development Corporation). He reports that they are getting tailings from the Smith Millsite where ore from the Vulture was treated prior to the building of a mill at the mine site. It is in the $W\frac{1}{2}$, Sec. 3, T5N R4W which is a state owned section. Marion Wolf (SP?) has a prospecting permit on the millsite and has an application in for a mineral lease. He claims that a preliminary sampling indicates a grade of 0.12 oz/ton gold for the tails.

KAP WR 2/10/84: A Mr. H. M. Nash c/o Double J Motel in Wickenburg, reported he is investigating the metallurgy of the Smith Millsite tailings, Maricopa County.

KAP WR 4/20/84: Marion Woolf, 1419 N. 44th Street, Phoenix, Arizona 85008, Ph: 231-9224 reported he, along with Bill H. Davis, 4961 Saddlerock Lane, Phoenix, Az, 85018 have a Type B State Lease, number 11-85828 on the $W\frac{1}{2}$, $SW\frac{1}{4}$, $NW\frac{1}{4}$ Sec 3 T5N R4W. Mr. Woolf further explained that neither he or the Smith Millsite Maricopa County had any relationship with either West Star Refining or Great Western Mining Development Corporation. He did, however, provide them some of this tailing for a process test. He said Al Crook (not Bob) estimated there are 40,000 tons of tailings. Some copies of data were provided for the file.

35 North Perry Lane
Tempe, Arizona 85281
April 28, 1983

To: Mr. Marion Woolf

West Star Processing, Inc. has completed the refining of the fifty-seven (57) pounds of concentrates derived from three tons of tailing material milled. Due to a limited smelting capacity, the concentrates were fired in ten pound increments. A total of .62 oz. of precious metal was recovered with 62% or .384 oz. of gold and 38% or .235 oz. silver. The current market value is approximately \$157.00.

Although the recovery rate is less than the head assay of .29 oz. per ton, the results are directly proportioned to the current smelting capability. Near term expansion of the smelting capability will enhance future recovery to assay levels. West Star Processing, Inc. is confident that the recovery of precious metals contained in the Vulture Mine tailings as independently assayed is within our ability.

Conservative projections are expected to be 44 oz. of precious metal per 100 tons milled, or approximately \$11,000 if the head material remains consistent at .44 oz. per ton.

West Star Processing, Inc. appreciates your cooperation and consideration during our start up period, and looks forward to a joint venture that will be mutually beneficial.

Sincerely,



Bob Wheeler
West Star Processing, Inc.

BW/1s



ARIZONA STATE MUSEUM

THE UNIVERSITY OF ARIZONA

TUCSON, ARIZONA 85721

May 23, 1983

Mr. Ed Spalding
Arizona State Land Department
1624 West Adams
Phoenix, AZ 85007

Dear Mr. Spalding:

The Archaeology Section of the Arizona State Museum, University of Arizona has conducted a field inspection of lands cited in application 11-85828. The survey was conducted on May 18, 1983 by John H. Madsen, Assistant Archaeologist for the Museum. Several transects were walked over the parcel.

The parcel is known as "Smith's Mill Site" and was used between 1880 and 1920 as an ore processing site for Vulture Mine. Portions of the site are intact and of sufficient significance to warrant preservation. Archaeological clearance is recommended however, current mining activities should be confined to the old tailings area as outlined in red on the attached map. Furthermore, all light and heavy equipment should remain on existing roads when outside the area outlined in red. If by chance buried historic remains are found within the tailing dump, the Museum would appreciate prompt notification. My number is 602-621-4011.

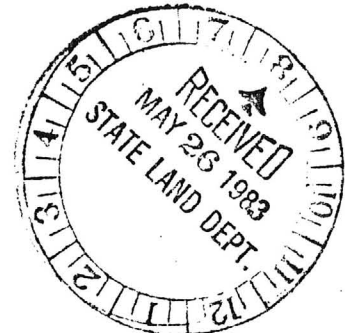
Sincerely,

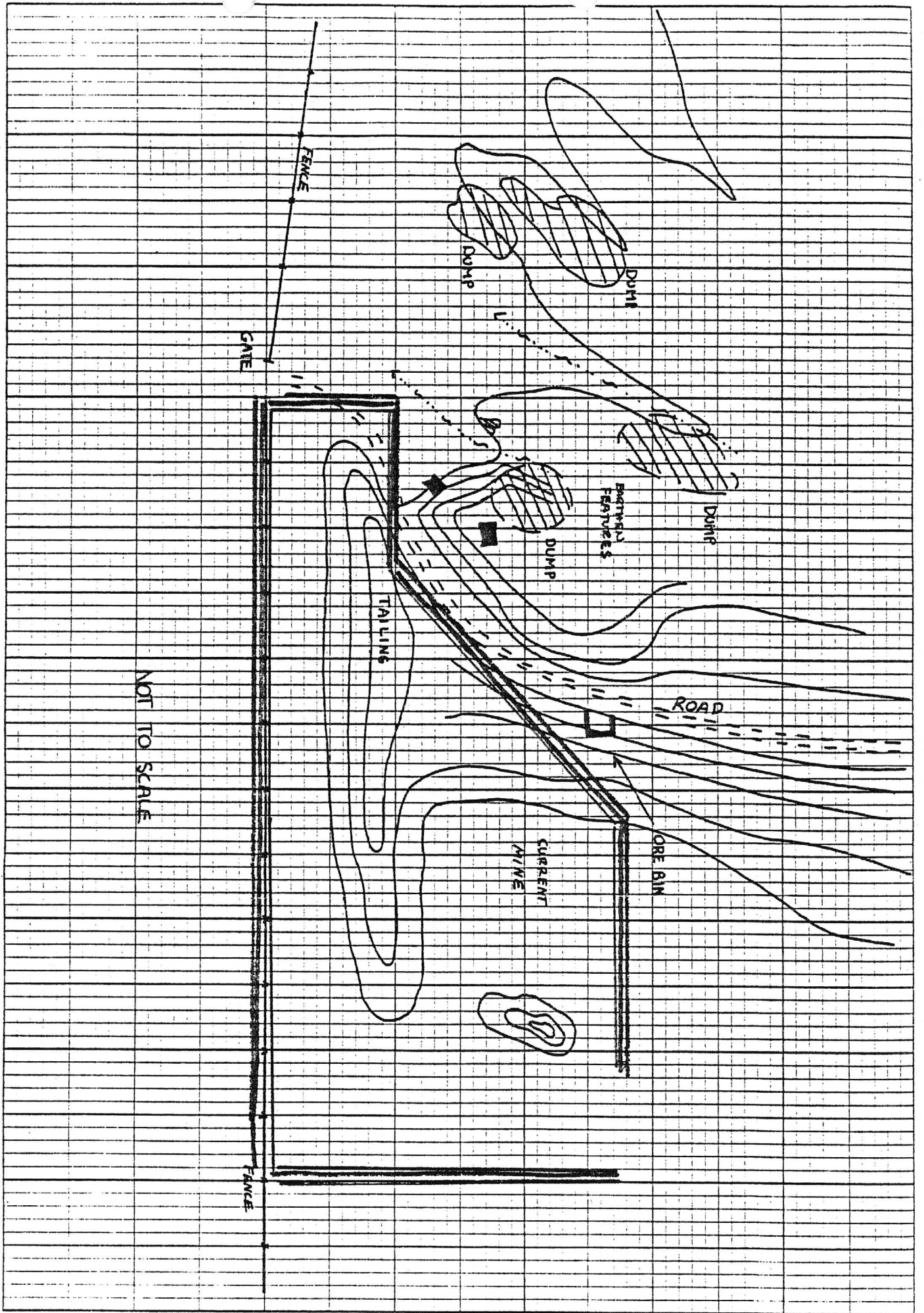
A handwritten signature in cursive script that reads "John H. Madsen".

John H. Madsen
Assistant Archaeologist

JHM/sr

Enclosure



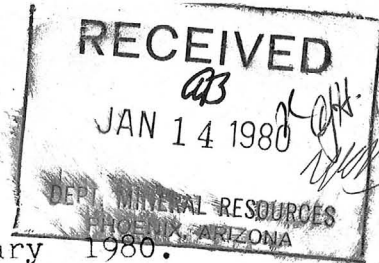


NOT TO SCALE

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10 X 10 TO THE INCH • 7 X 10 INCHES
KOHUT & TESSER CO. MADE IN U.S.A.

MELVIN H. JONES
Mining Geologist



10 January 1980.

MEMORANDUM FOR THE RECORD.

Reconnaissance visit to Smith Mill site (former mill location for the Vulture Mine) on Hassayampa River near Morrystown, Maricopa County, Arizona.

On 8 December, 1979, the undersigned accompanied by Mr. Clare C. Richardson (President, Consolidated Chemical & Mining Corp.), and Mr. David Campbell, Wickenburg, Arizona, visited the Smith Mill site, with its tailing piles and dumps, located about 5 miles SE of Morrystown, Arizona. There, in the mentioned piles, (it is reported,) that there is sufficient gold for a cyanide leaching operation.

To get there, you leave the paved road at Morrystown and go South on the Gates road (dirt) for about a mile, and then take a less used road SE to the Hassayampa River, where the old mill site can be recognized on the South shore. It is in the West half of Section 3, T-5-N, R-4-W, SR base and M.

The site is on alluvium and some volcanic tuff outcrops.

The history is that ore from the old Vulture mine (some miles to the South) was hauled to this mill site in the early days for milling (as there was no water, then, at the mine). In later times, a pipeline was built from the Smith Mill site to the Vulture Mine and the processing was accomplished there. Later again, water was actually found at the mine.

Arriving at the Smith site, the writer observed in piles, probably 7 or 8 thousand tons of finely ground tailings (perhaps 125 mesh). Grab samples taken by Mr. Campbell in the past from the tailing piles revealed the following: (info taken from assay report).

	<u>Au</u> (Oz. p/t)	<u>Ag</u> (Oz. p/t)
1.	.07	.15
2.	.11	.65
3.	.06	.20

The Smith Mill site was located by Mr. Campbell and Mr. Tony O'Brian. The former says, water for processing can be obtained there, even in these modern times. The West half of Section 3, T5N, R4W, is State of Arizona mineral rights. It is available for leasing.

1601 Sandhill Rd, #36,
Las Vegas, Nev. 89104,
ph. 457-2175

Melvin H Jones
Mining Geologist.