



CONTACT INFORMATION

Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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PRINTED: 03/06/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MCKENZIE GOLD HILL

ALTERNATE NAMES:

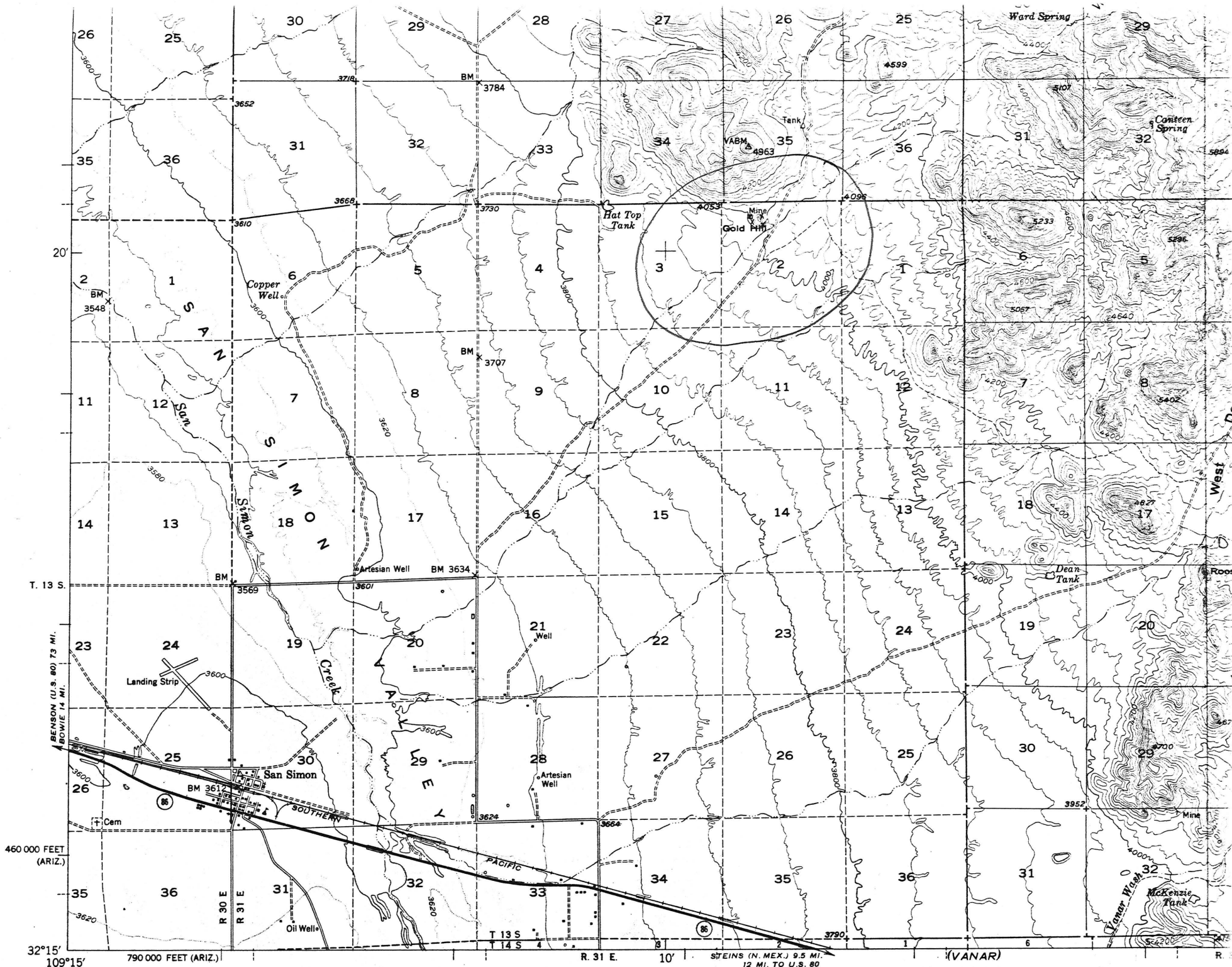
COCHISE COUNTY MILS NUMBER: 794

LOCATION: TOWNSHIP 13 S RANGE 31 E SECTION 2 QUARTER NW
LATITUDE: N 32DEG 20MIN 15SEC LONGITUDE: W 109DEG 09MIN 00SEC
TOPO MAP NAME: SAN SIMON - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:
GOLD

BIBLIOGRAPHY:
ADMMR MCKENZIE GOLD HILL FILE
USGS SAN SIMON QUAD



Mapped, edited, and published by the Geological Survey

SCALE 1:62500

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

VERBAL INFORMATION SUMMARY (SHORT FORM)

May be Reproduced

May Be Inserted Into Mine File Or Added To "Rumor Page"

1. Information from: Sid Williams

Address: 1243 16th Street

Douglas, AZ

2. Phone: 364-9637

3. Mine: _____

4. ADMMR Mine File: MCKENZIE GOLD HILL

5. County: Cochise

6. MILS Number 794

7. Operational Status: Raw prospect

8. Summary of information received, comments, etc.: _____

Dr. Williams, a well known mineralogist, located and held claims over
most of this prospect. They have since been dropped. Silicification
and acid leaching in the volcanics is associated with alunite and some
anomalous gold mineralization. Hecla is reported to have drilled two
rotary holes near the flanks of Gold Hill sometime in 1986.

Date: March 1989

Harrison E. Matson

(signature) ADMMR

MCKENZIE GOLD HILL

COCHISE COUNTY

HM WR 7/29/88: A report of analysis was received on samples collected from the McKenzie Gold Hill prospect, Cochise County, which indicate the exposed, leached and silicified outcroppings to be geochemically anomalous in gold, silver, arsenic, and mercury. The favorable results of this preliminary sampling should encourage further exploration work.

Report of Examination
McKenzie Gold Hill prospects
Cochise County
Arizona
July 7, 1988

Introduction

The McKenzie Gold Hill prospects were visited on June 29, 1988 as part of the Cochise county, Arizona MILS update. The prospects development and mineralization had not previously been reported in the MILS or other department data. The area may have some potential to host a disseminated precious metal occurrence.

Location & Access

The prospect is located in the NW $\frac{1}{4}$ of Section 2, T13S, R31E, G&SR B&M, about six miles northeast of the village of San Simon, Arizona. A county graded road comes within 3 miles of the prospects which are then reached by a dirt, occasionally maintained ranch road. The most recent topographic map coverage is the San Simon 15' quadrangle.

Land Status

The whole of Section 2, T13S, R31E, is Arizona state trust land available for exploration work under the prospecting permit system.

Development

There are four prospect pits, one trench leading to a 10-15' adit and a 25' deep shaft on the property. These appear to have been last worked perhaps 40 to 50 years past. A wooden head frame is collapsed into the shaft. A trail of sorts has within the last 20 years, been bulldozed to a prospect on the northeast slope of Gold Hill. No evidence of exploration type drilling was observed on or near the prospect area.

Geology

The prospect is located along the western outliers of the Peloncillo Mountains, a range composed for the most part of ash flow tuffs ranging from silicious to intermediate composition. The hills north of the prospect have been mapped as Tertiary intrusive but may be flow rocks as well. This rock weathers medium to light brown but on fresh surface is light to medium grey. The groundmass is aphanitic with phenocrysts of black euhedral book biotite. These outcrops were only briefly examined as no hydrothermal mineralization was evident.

A small hill, locally known as Gold Hill, is surrounded by pediment gravels and has been prospected about the base by the (previously discussed) development work. The hill appears to be a highly silicious Tertiary rhyolite intrusive containing perhaps 1-3% pyrite, now evident only as cubic casts

with fringing limonite or interior crusts. Hematite is found mostly as fracture coatings. The rock weathers a pale reddish grey but is very light grey on fresh surfaces. It appears to be mostly fine grained quartz but on the north side of the hill some white phenocrysts containing clay after plagioclase were observed. The limonite after pyrite is pervasive throughout the hard and resistant hill. No base metal oxides or the like were observed in outcrop.

Structure

The prospecting has centered on sheeted fracture zones near the base of the hill. The vertical fractures appear to fall into 3 principal sets, NW, NE and E-W. The hill is apparently bounded by each of these sets, forming a roughly triangular outcrop. Other structures were not determined at this level of investigation.

Sampling

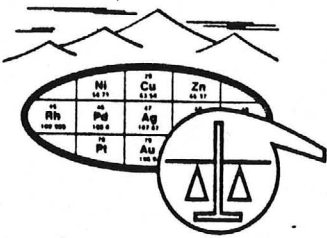
Two samples were collected for analysis, the results of which will be appended. Sample GH-1 is a representative dump sample collected near the 25' shaft on the northwest side of the hill. Sample GH-2 was collected as a spot rock chip from silicious outcrop about 50 feet northeast of the eastern-most prospect pit. A small natural arch is just above the sample site.

Recommendations for Further Prospecting

For the most part, exploration would need to be predicated upon geochemically anomalous results of analysis. A comprehensive sampling program would be necessary to adequately determine the viability of this area as a precious metals prospect. Geologically, the area appears favorable both at the hill and possibly under the veneer of gravels surrounding it. An argillicly altered contact zone hosting precious metal mineralization could be easily eroded and covered with such a veneer. Other outliers in the region should be field checked as possible inconspicuous intrusives.

Harrison E Matson

Harrison E. Matson
Mining Geologist



SKYLINE LABS, INC.
 1775 W. Sahuaro Dr. • P.O. Box 50106
 Tucson, Arizona 85703
 (602) 622-4836

REPORT OF ANALYSIS

JOB NO. VKZ 002
 July 29, 1988
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ARIZONA DEPT. OF MINES & MINERAL RES
 Attn: Mr. H.E. Matson
 416 W. Congress Room 190
 Tucson, AZ 85701

Analysis of 4 Rock Chip Samples

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)	Hg (ppm)
Fort Bowie	1 FB 10	<.005	.25	4.	<1.	<.01
	2 FB 11	<.005	.15	6.	<1.	<.01
McKenzie Gold Hill	3 GH 10	.020	.45	55.	<1.	.04
	4 GH 11	<.005	.10	80.	<1.	.02

