



## **CONTACT INFORMATION**

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Arizona Department of Mines and Mineral Resources Mining Collection

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05/20/91

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: RED CLOUD

ALTERNATE NAMES:

DUFFY'S CLAIMS  
SUSAN

MARICOPA COUNTY MILS NUMBER: 269

LOCATION: TOWNSHIP 6 N RANGE 6 W SECTION 25 QUARTER NW  
LATITUDE: N 33DEG 50MIN 16SEC LONGITUDE: W 112DEG 50MIN 41SEC  
TOPO MAP NAME: VULTURE MOUNTAINS - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

GOLD LODE  
IRON SULFIDE

BIBLIOGRAPHY:

USGSG VULTURE MTNS QUAD  
METZGER O H USBM IC 6991 P 64  
ADMMR RED CLOUD FILE  
ADDITIONAL WORKINGS SEC 24 SW 1/4-T6N-R6W  
THIS MINE HAS POSSIBLY BEEN DONATED TO  
CRUSADE TO HELP SAVE THE CHILDREN, RABBI  
ABRAHAM, ISREAL

Duffy's Claims (aka Susan Mine)  
sec. 23, 24, 25, 26 T. 6 N., R. 6 W.  
Maricopa County

reference: Arizona Dept of Mineral Resources  
Duffy's Claims Maricopa (file)

minerals: gold

present owner: A.B. "Duffy" Boiarsky  
of Wickenburg, Az. (1973 or 1974)

history of the area:

according to a 1965 report, Duffy and a number of partners have been involved with the property for quite a while. In 1965 they restaked most of the property with lode claims. Originally the property consisted of 14 placer claims. Duffy has cut several trenches into the gravel. He and his partners were planning to develop a large scale placer operation to recover low grade gold in residual gravels. In 1965 Shattuck Denn Mining Corporation and Subsidiaries evaluated the property and decided to decline the property since the assays were poor, the quartz veins were determined to probably be limited in extent, and the gold values were low.

geology of the area:

bedrock consists of quartz - feldspar - biotite gneiss, quartz - muscovite - biotite schist, and metaquartzite of precambrian age. The regional trend of the metamorphics is N to NE and dips 30° W. There are numerous NE and NW trending dikes of quartz with spite and gold. The

## Duffy's Claims (cont.)

larger dikes are about one foot wide.  
There are several major faults which trend  
N. 30° E.

In the western part of the property  
the basins are covered by four feet of  
gravel. The northeastern part is covered  
by a vesicular rhyolite flow. A zone  
of alteration extends easterly from the  
center of section 26 and is up to 400 feet  
wide. The major mineralization occurs  
in this zone.

assays: (1965)

gold	Nil to trace to 2.80
silver	Nil to trace to 0.7

reference:  
personal communication 11/5/76

according to John Osborn of the Vulture Mine,  
Duffy has not been in the area for  
about 3 years.

## SHATTUCK DENN MINING CORPORATION

and

## SUBSIDIARIES

Humboldt Office

Date October 29, 1965

TO: Mr. C. R. Sundeen

SUBJECT: A.B. "Duffy" Boiarsky Claims  
P.O. Box 1395  
Wickenburg, Arizona

FROM: J. Olaf Sund

TYPE: Gold

TERMS REQUESTED: Not Discussed

## LOCATION:

The area in question is located near the old Vulture Mine, west of Wickenburg, and includes all or parts of sections 23, 24, 25 and 26, T-6-N, R-6-W. It may be reached by gravel roads some  $9\frac{1}{2}$  miles south of U.S. Highway 60-70 and thence  $1\text{-}3\frac{1}{4}$  miles west to "Duffy's" cabin which is near the center of Sect. 25.

## HISTORY:

"Duffy" and a number of partners have been involved in this ground for some time and originally held it in 14 placer claims. Recently they have restaked most of the ground with lode claims.

## GEOLOGY:

The area in question is surrounded on all sides by large rounded hills such that it is included within a topographic hollow some  $1\frac{1}{2}$  miles wide. The entire depression is covered with a layer of residual gravel and sand and only occasionally does any rock outcrop. Within these residual gravels there is a wide band oriented approximately north and south with a distinct red alteration colouring. It is in sharp contrast to the adjacent and normal greyish gravels. The gold values are supposedly restricted to this band with iron alteration. Within the red altered parts there are also 5 to 10 foot irregular zones of whitish carbonated gravel.

On the basis of the very few and limited outcrops and the shafts etc. dug to bedrock by Duffy, the main rock types probably are intermediate to basic lavas which may in places have spherulitic variations etc. They are better described as quartzo-feldspathic mica schists that strike east and west and dip some 55 degrees to the north. There are intermediate massive intrusives (dioritic??) of unknown dimensions. There may also be some interbeds of quartzose sediments. There are a number of quartz veins with random orientations which cut the schistosity at all angles and all dips. Often there are up to 3 inch jasper type silicified zones on both sides of, say, a 2 inch vein. The entire area is apparently cut by numerous small faults that in places have up to 2 inches of gouge.

The red iron alteration in the residual gravels is common in the brecciated parts of the bedrock to an unknown depth. The cause or source of this feature is not known.

# SHATTUCK DENN MINING CORPORATION

P. O. BOX 1492  
PRESCOTT, ARIZONA

July 8, 1963

To: Mr. Curt Sundeen, Chief Engineer  
From: Charles Miles, Res. Geologist

Subject: Duffy claims, Wickenburg, Arizona

## LOCATION OF CLAIMS

The claims occupy portions of Sec. 23, 24, 25, 26, T.6N., R.6W. Access is by way of the Vulture Mine road, about 4 miles west of Wickenburg on U.S. Rout 60-70. The claims are from 8 to 10 miles south of the highway; and on property immediately north of the Vulture patented land.

## GEOLOGY

The area visited is the west  $\frac{1}{2}$ , sec. 25, T.6 N., R.6 W. Bedrock consists of quartz-feldspar-biotite gneiss, quartz-muscovite-biotite schist, and Meta-quartzite. The section appears to be typical Older and Younger Precambrian rocks. The regional trend of the metamorphics is north to north-east with westerly dips of about 30 degrees.

Within the area are numerous north-east and north-west trending dikes of quartz, containing pyrite (altered) and gold. The larger dikes are one foot wide. Also, small fractures containing fine gold in calcareous clays criss-cross the region.

Several major faults trending N.30 E. were obvious during the brief survey.

About four feet of gravel cover the basins in the western portions of the claims. The northeastern is capped with purple, vesicular rhyolite flows.

A zone of iron alteration extends easterly from the center of section 26 and is, in places, 400 feet wide. It is within this zone that the major investigation was carried out. Also, it is within this zone that the major mineralization might be found.

## TRANSPORTATION

Access to the claims is by all-weather gravel roads, except in places where the road crosses Vulture creek.

The nearest railhead is in Wickenburg.

## WATER

There is severe lack of water. Of course, this has been a dry year. Water stands in the Texona shaft (SW corner of claim 4) which is 600 feet deep. There has been no test of flow from the shaft, but it probably is low. During rains, Vulture Creek flows bank-to-bank at least four feet deep.

## SIZE AND VALIDITY OF CLAIMS

The placer claims consist of 1640 acres, held by more than 30 partners. There was no evidence of sufficient location work (\$ 8,200) to tie up the property. The main claim is presently being held with a 38-44 pistol. The claims are being contested by Mr. Jones, a cattle man from Phoenix.

ECONOMIC:

"Duffy" has and is cutting trenches etc. into the gravel with a tractor and "front end loader". There are a vast number of such cuts over all of the area. There is generally 1 to 4 feet of gravel as well as about one foot of brecciated bedrock. A number of samples and channels were collected from these various cuts and include examples of the host rocks, quartz veins, fault zones and residual sands and gravels etc. They are summarized on the accompanying sketch and as follows:

<u>Sample No.</u>	<u>Sample Type</u>	<u>Rock Type</u>	<u>Gold</u>	<u>Silver</u>
11566	10' channel	residual gravel	Nil	Tr
11567	50' channel	residual gravel	Tr	Tr
11568	grab	quartz vein	Tr	Tr
11569	15' channel	residual gravel	Tr	Tr
11570	grab	6" quartz vein	0.18	0.2
11571	grab	fault gouge	0.03	Nil
11572	grab	intrusive	Tr	Nil
11573	30' channel	residual gravel	Tr	Nil
11574	40' channel	residual gravel and soil	Nil	Nil
11575	8' channel	carbonated lava	Tr	Nil
11576	grab	quartz vein	2.80	0.7
11577	grab	residual gravel	Nil	Nil
11578	grab	quartz vein	0.06	Nil
11579	5' channel	residual gravel	Nil	Nil
11580	grab	quartz vein	0.01	Nil
11581	grab	lava	Tr	Tr
11582	5' channel	residual sand (white)	Tr	Nil
11583	5' channel	residual sand	Tr	Nil
11584	grab	lava	Tr	Nil
11585	grab	carbonated lava?	Tr	Nil
11586	grab	quartz vein	.01	Tr.

SUMMARY:

Duffy and partners are attempting to develop a large scale placer type operation to recover low grade gold in residual gravels.

There is no water in the immediate area unless the nearby abandoned mines would provide enough by pumping.

CONCLUSIONS:

The assay results can be classified as follows:

<u>Sample</u>	<u>No. Taken</u>	<u>"Nil" or "Tr" only</u>	<u>List of Values</u>
Residual gravels	11	11	none
Quartz veins	6	1	.18, 2.80, .06, .01, .01
General Rock	3	3	none
Fault zones	1	none	.03

It is immediately apparent that most of the gold is associated with the quartz veins. Unfortunately they are not traceable with what information is available at this time but they did seem to be limited in extent. The better gold samples that "Duffy" can pan are probably collected in the vicinity of one of these quartz veins. The erratic nature of the values obtained from the quartz would

*Fine Gold*

suggest this to be a "~~V~~G." type.

RECOMMENDATIONS:

In view of the poor assays from the residual gravels, the probability that the quartz veins are limited in extent and the fact that the gold values that were obtained were not significantly high, it would be best to decline this property.

It is acknowledged that one "pan" that was demonstrated from the first pit did contain some very fine gold colours but it is difficult to visualize a placer type operation on this, especially in view of the water difficulties.

JOS/db

SUSAN = 15 ? ? = Location Hole # 11585: Au: Tn. Ag: Ni  
 # 11586: Au: .01 Ag: Tn

75' Norm of # 11584 = Au: Tn. Ag: Ni

# 11583 = Au: Tn. Ag: Ni

Location Hole # 11582 = Au: Tn. Ag: Ni

SUSAN # 14

???

SUSAN # 13

???

SUSAN # 12

11575: Au: Tn. Ag: Ni  
 11576: Au: .280 Ag: 0.7  
 11577: Au: Ni. Ag: Ni  
 11578: Au: .06 Ag: Ni  
 11580: Au: .001 Ag: Ni  
 11581: Au: Tn. Ag: Ni  
 11579: Au: Ni. Ag: Ni

CP - Sect 25

SAMPLE TYPES.

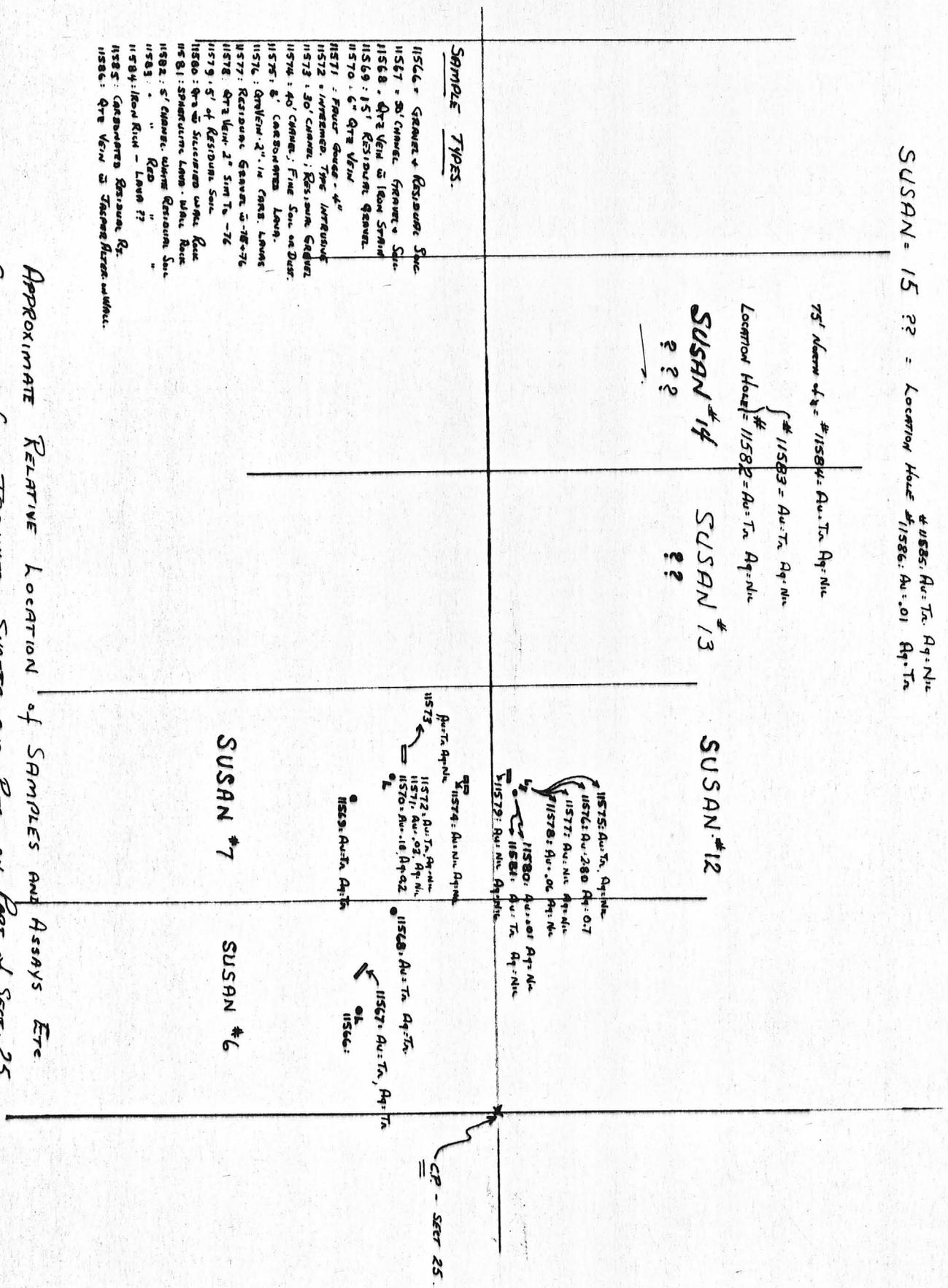
- 11566 = GRANITE + RESIDUAL SOIL
- 11567 = 30' CHANNEL, GRANITE + SOIL
- 11568 = Qtz Vein in Iron Spring
- 11569 = 15' RESIDUAL GRANITE
- 11570 = 6" Qtz Vein
- 11571 = FINE GRAIN - 4"
- 11572 = IMPURE TYPE GRANITE
- 11573 = 30' CHANNEL; RESIDUAL GRANITE
- 11574 = 40' CHANNEL; FINE SOIL ON DIRT
- 11575 = 8' CARBONATED LEAD
- 11576 = GRANITE 2" IN CRACK LEAD
- 11577 = RESIDUAL GRANITE in -8'-76
- 11578 = Qtz Vein 2" SIM Tn -76
- 11579 = 5' of RESIDUAL SOIL
- 11580 = Qtz + STRUCTURE WITH Rte
- 11581 = SPHERULINE LEAD - WHITE ROSE
- 11582 = 5' CHANNEL, WHITE RESIDUAL SOIL
- 11583 = " " " " " "
- 11584 = Iron Rich - Lead ?
- 11585 = Carbonated Residual Rte
- 11586 = Qtz Vein in Trenches Flange with.

APPROXIMATE RELATIVE LOCATION OF SAMPLES AND ASSAYS ETC

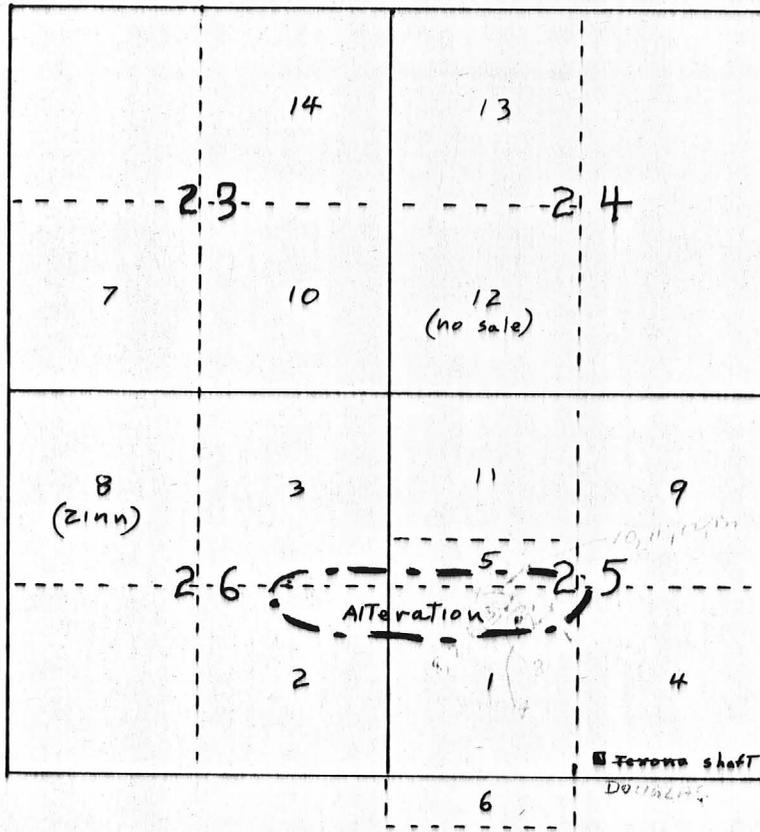
COLLECTED FROM TRENCHES, SHAFTS AND PITS ON PART OF SECT. 25

R-6 W, T-6 N ... CLAIMS OF A.B. DUCY BOJARSKY .... Oct. 1965.

SCALE - 1" = 40'



T. 6 N. R. 6. W.



1 Through 14 - placer claims - supposedly held by Duffy and partners

# SHATTUCK DENN MINING CORPORATION

P. O. BOX 1492  
PRESCOTT, ARIZONA

July 8, 1963

To: Mr. Curt Sundeen, Chief Engineer  
From: Charles Miles, Res. Geologist

Subject: Duffy claims, Wickenburg, Arizona

## LOCATION OF CLAIMS

The claims occupy portions of Sec. 23, 24, 25, 26, T. 6 N., R. 6 W. Access is by way of the Vulture Mine road, about 4 miles west of Wickenburg on U.S. Rout 60-70. The claims are from 8 to 10 miles south of the highway; and on property immediately north of the Vulture patented land.

## GEOLOGY

The area visited is the west  $\frac{1}{2}$ , sec. 25, T. 6 N., R. 6 W. Bedrock consists of quartz-feldspar-biotite gneiss, quartz-muscovite-biotite schist, and Meta-quartzite. The section appears to be typical Older and Younger Precambrian rocks. The regional trend of the metamorphics is north to north-east with westerly dips of about 30 degrees.

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A zone of iron alteration extends easterly from the center of section 26 and is, in places, 400 feet wide. It is within this zone that the major investigation was carried out. Also, it is within this zone that the major mineralization might be found.

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## SUMMARY:

Duffy and partners are attempting to develop a large scale placer type operation to recover low grade gold in residual gravels.

There is no water in the immediate area unless the nearby abandoned mines would provide enough by pumping.

## CONCLUSIONS:

The assay results can be classified as follows:

<u>Sample</u>	<u>No. Taken</u>	<u>"Nil" or "Tr" only</u>	<u>List of Values</u>
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Fault zones	1	none	.03

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*Fine Gold*  
suggest this to be a "~~W~~G." type.

RECOMMENDATIONS:

In view of the poor assays from the residual gravels, the probability that the quartz veins are limited in extent and the fact that the gold values that were obtained were not significantly high, it would be best to decline this property.

It is acknowledged that one "pan" that was demonstrated from the first pit did contain some very fine gold colours but it is difficult to visualize a placer type operation on this, especially in view of the water difficulties.

JOS/db

SUSAN = 15 ?? = LOCATION HOLE #11585: Au=Tr Ag=Ni  
 #11586: Au=.01 Ag=Tr

75' NORTH of #11584 = Au=Tr Ag=Ni

LOCATION HOLE #11583 = Au=Tr Ag=Ni  
 #11582 = Au=Tr Ag=Ni

SUSAN #14  
 ???

SUSAN #13  
 ??

SUSAN #12

#11575: Au=Tr Ag=Ni  
 #11576: Au=.20 Ag=.07  
 #11577: Au=Ni Ag=Ni  
 #11578: Au=.06 Ag=Ni  
 #11580: Au=.007 Ag=Ni  
 #11581: Au=Tr Ag=Ni  
 #11579: Au=Ni Ag=Ni

#11574: Au=Ni Ag=Ni  
 #11573: Au=Tr Ag=Ni  
 #11572: Au=Tr Ag=Ni  
 #11571: Au=.03 Ag=Ni  
 #11570: Au=.10 Ag=AZ  
 #11569: Au=Tr Ag=Tr

#11568: Au=Tr Ag=Tr

#11567: Au=Tr Ag=Tr

#11566:

SUSAN #7

SUSAN #6

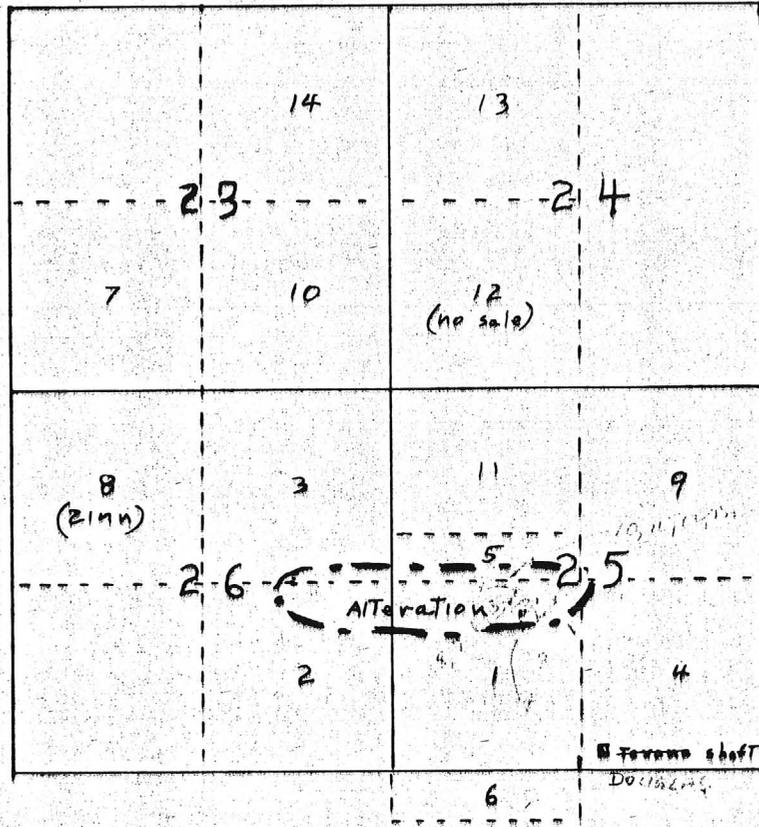
CP - SECT 25

SAMPLE TYPES.

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- 11577 = RESIDUAL GRAVEL w TR + T6
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- 11583 = " " RED " "
- 11584 = IRON RICH - LAVA ??
- 11585 = CARBONATED RESIDUAL R.
- 11586 = Qtz VEIN w JACOPITE MINERAL

APPROXIMATE RELATIVE LOCATION of SAMPLES AND ASSAYS ETC.  
 COLLECTED FROM TRENCHES, SHAFTS AND PITS ON PART OF SECT. 25  
 R-6W, T-6-N --- CLAIMS of A.B. DUFFY BOIARSKY .... OCT. 1965.  
 SCALE = 1" = 40'

T. 6 N. R. 6. W.



1 Through 14 - placer claims - supposedly held by Duffy and partners

SHATTUCK DENN MINING CORPORATION  
and  
SUBSIDIARIES

Humboldt Office

Date, October 29, 1965

TO: Mr. C. R. Sundeen

SUBJECT: A.B. "Duffy" Boiarsky Claims  
P.O. Box 1395  
Wickenburg, Arizona

FROM: J. Olaf Sund

TYPE: Gold

TERMS REQUESTED: Not Discussed

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Duffy's Claims (aka Susan Mine)  
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Maricopa County

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Duffy's Claims Maricopa (file)

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history of the area:

according to a 1965 report, Duffy and a number of partners have been involved with the property for quite a while. In 1965 they restaked most of the property with lode claims. Originally the property consisted of 14 placer claims. Duffy has cut several trenches into the gravel. He and his partners were planning to develop a large scale placer operation to recover low grade gold in residual gravels. In 1965 Shattuck Denn Mining Corporation and Subsidiaries evaluated the property and decided to decline the property since the assays were poor, the quartz veins were determined to probably be limited in extent, and the gold values were low.

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## Duffy's Claims (cont.)

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