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PRINTED: 07-21-2010

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MAR-VEY PROSPECTS

ALTERNATE NAMES:

BIG COPPER CHIEF CO.
MAGNETITE
BIG STRIKE
THREE JUDGES

YAVAPAI COUNTY MILS NUMBER: 1278A

LOCATION: TOWNSHIP 9.5N RANGE 2 E SECTION 29 QUARTER NW
LATITUDE: N 34DEG 11MIN 07SEC LONGITUDE: W 112DEG 10MIN 40SEC
TOPO MAP NAME: BUMBLE BEE - 7.5 MIN

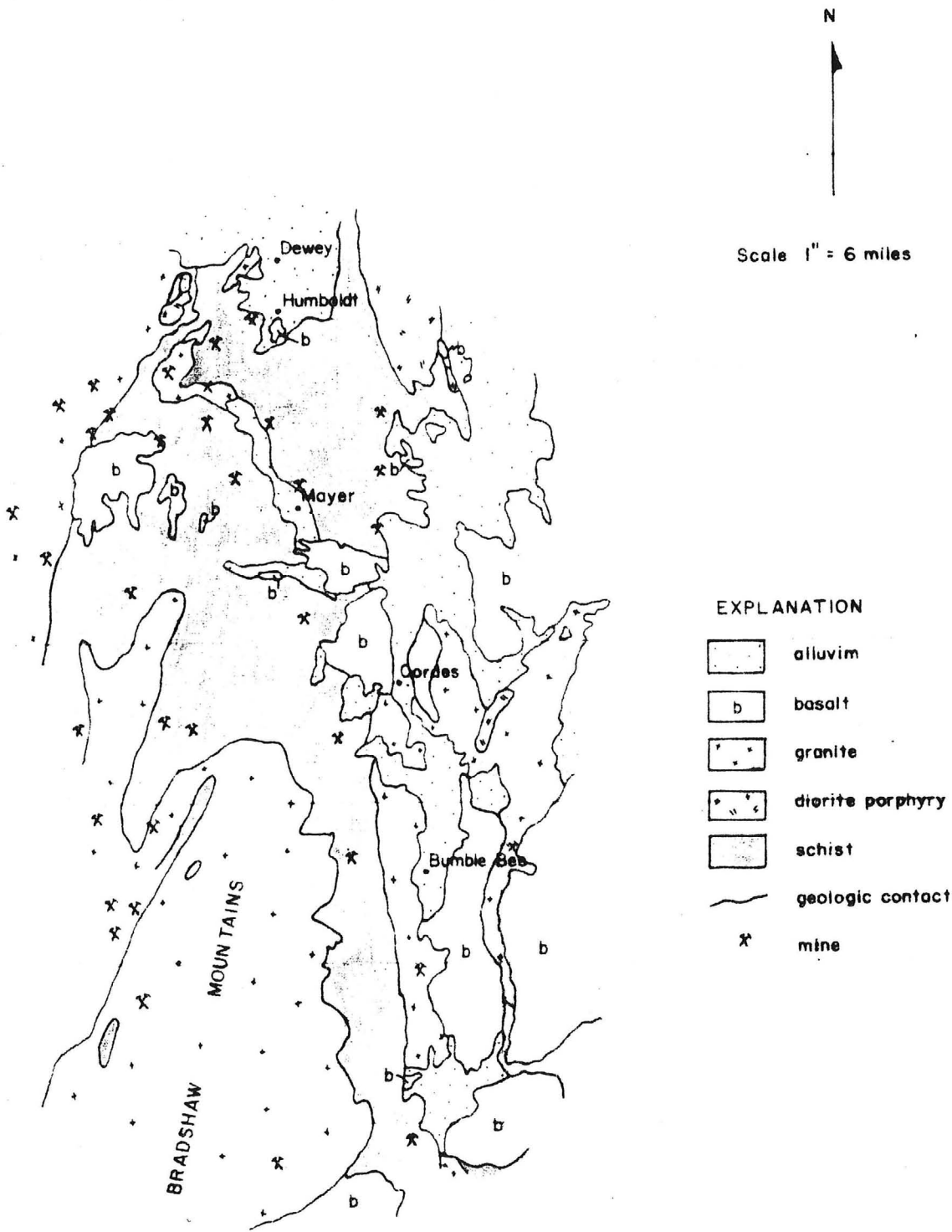
CURRENT STATUS: RAW PROSPECT

COMMODITY:

COPPER
IRON MAGNETITE

BIBLIOGRAPHY:

USGS BUMBLE BEE QUAD
ADMMR MAR-VEY MINE CORP. FILE
ARIZONA MINING JOURNAL SEPT. 1917 P 14
LINDGREN, W. ORE DEPTS JEROME & BRADSHAW MTNS
QUADS USGS BULL 782 1926 P 156
CLAIMS IN SEC. 19, 20 & 30



After—GEOLOGIC MAP OF YAVAPAI, COUNTY, ARIZONA

Ariz. Bur. Mines

1958

SHATTUCK DENN MINING CORPORATION

and

SUBSIDIARIES

Engineering/Geology

Office

January 26, 1961

Date.....

TO: D. M. Kentro

SUBJECT: Examination of a portion of
85 lode claims held by the
Mar-Vay Mines Corporation

T 9 1/2 N R 3 W

Summary

Outcrops of moderate mineralization on the Mar-Vay Mines Corporation claims were examined and sampled. Diamond drill hole information and claim maps were not seen, but may be available.

North-south trending quartz veins paralleling regional structures locally contain copper. These structures may become economic in depth and a geophysical survey along the best outcrop is recommended.

General

On January 16, 1960, part of an area comprising more than 85 contiguous lode claims (unpatented) was examined. This property is near Bumble Bee, Arizona, and is 26 miles from the Iron King Mine, Humboldt, Arizona.

The claims are held by the Mar-Vay Mines Corporation of which Mr. Gene Howard is president, Mr. Lester Sharman is vice-president, and Mr. Walter Nell is treasurer. Mr. Howard can be contacted by telephone (Amherst 5-1559) in Phoenix, Arizona.

The property is reached as follows: Travel south from Humboldt to Cordes, Arizona, (about 22 miles). At Cordes, bear left; take the left fork at 2.8 miles; turn right at 4.0 miles, and stop at the cabin and silver water tank (field headquarters for the Mar-Vay Mines Corporation) 7.1 total miles from Cordes. This is the site of the old Hidden Splendor Mine. The claim group lies approximately 2 miles southwesterly from this point and can be reached via rough drill roads.

Geology

The area covered by the Mar-Vay Mines Corporation claims is largely pre-Cambrian schist locally intruded by granite and complimentary quartz dikes. The major contacts between rock formations, schistosity, and the quartz dikes all trend north-south.

Mineralization

Last Chance

The best metal mineralization observed was near a shaft site known as the Last Chance. This location is at least 3 miles from the cabin and silver water tank. The Mar-Vay Mines Corporation is presently sinking a shaft next to the Last Chance--this new shaft is about 10 feet deep. A 5 foot wide vein consisting of blue-green copper minerals and some chalcocite in schist was channel sampled and assayed as follows:

<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>
0.02	tr	nil	nil	1.78

A dump sample assayed:

0.04	tr	nil	nil	1.30
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Grab samples from this area brought to the Iron King Mine by Mr. Walter Nell prior to this examination assayed as follows:

	<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>
#3054	tr	0.6	tr	nil	3.68
#3055	0.01	0.8	tr	nil	2.62
#3056	0.07	1.0	tr	nil	1.76

Average copper... 2.69

The Three Judges Mine

An abandoned shaft and connecting tunnel were investigated at a locale known as the Three Judges Mine. The tunnel intersects the shaft about 70 feet from the surface at which point a narrow chalcocite vein (0.3'-0.5' wide) was sampled--the assay results are:

<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>
0.02	tr	nil	nil	2.56

The Three Judges Mine is 0.7 of a mile west from the cabin and silver water tank (Mar-Vay Mines Corporation field headquarters).

Big Strike

This area lies 2.6 miles in a southerly direction from the Mar-Vay Mines Corporation field headquarters. Little can be said about this site other than the rock is schist containing multi-colored north-south trending quartz veins. Considerable bull-dozer work has been done here without exposing much other than the schist. A sample centered in the "dozer" work assayed as follows:

<u>Au</u>	<u>Ag</u>	<u>Pb</u>	<u>Zn</u>	<u>Cu</u>
tr	0.04	nil	nil	0.42

The exact areal relationships of the Last Chance, Three Judges, and Big Strike is not known because claim maps were not available. However, it is estimated the sites examined are separated by more than a mile.

Drilling

The Mar-Vay Mines Corporation officers emphasized that considerable diamond drilling has been done at various locations within their claim group. Claim maps showing the diamond drill sites and logs of the holes were said to exist and may possibly be made available to Shattuck Denn Mining Corporation.

Conclusions

The Mar-Vay Mines Corporation claim group is quite large (more than 85 contiguous lode claims) and only the specific sites ~~exam~~ can be evaluated.

The Big Strike has no visible potential--essentially schist with north-south trending quartz veins.

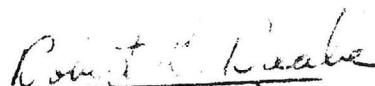
The vein in the Three Judges Mine carries 2.56% copper, but the maximum width is only $\frac{1}{2}$ foot.

The vein at the Last Chance is approximately 5 feet wide and is 1.78% copper--this is not economic in grade for the width. However, it should be pointed out that this vein is strong and contains local quartz facies that outcrop as conspicuous ridges forming a prominent north-south trending topographic feature.

Outlying old mines (Swastika, Golden Turkey, Midnight Test, and Hidden Splendor) bordering the Mar-Vay claim group support the fact ore mineralization is not uncommon in the region (see regional map, fig. 1).

This property should be studied further through the aid of any diamond drill hole information and accompanying claim maps that Mar-Vay Mines Corporation will make available. Secondly, it would be advisable to run a geophysical traverse along the Last Chance vein similar to the survey across the Bardon Group (report of Nov. 24, 1960). A geophysical survey of this nature is relatively inexpensive when considering the information that might be gained.

RGR/


Robert G. Raabe