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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: MAMOTH CLAIM GROUP

ALTERNATE NAMES:

MARICOPA COUNTY MILS NUMBER: 633

LOCATION: TOWNSHIP 7 N RANGE 5 W SECTION 35 QUARTER NE LATITUDE: N 33DEG 54MIN 41SEC LONGITUDE: W 112DEG 44MIN 21SEC

TOPO MAP NAME: WICKENBURG - 7.5 MIN

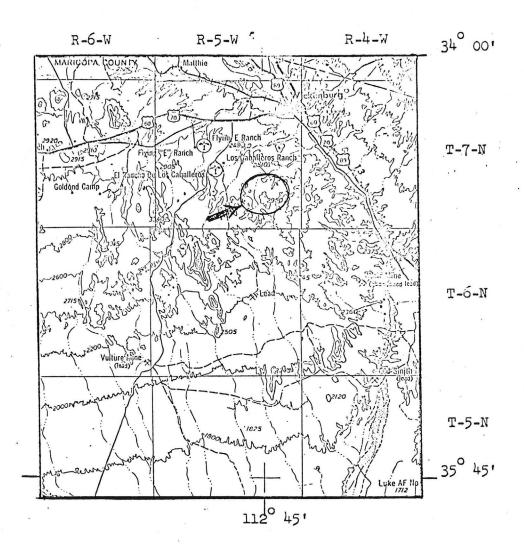
CURRENT STATUS: RAW PROSPECT

COMMODITY:

COPPER OXIDE COPPER SULFIDE

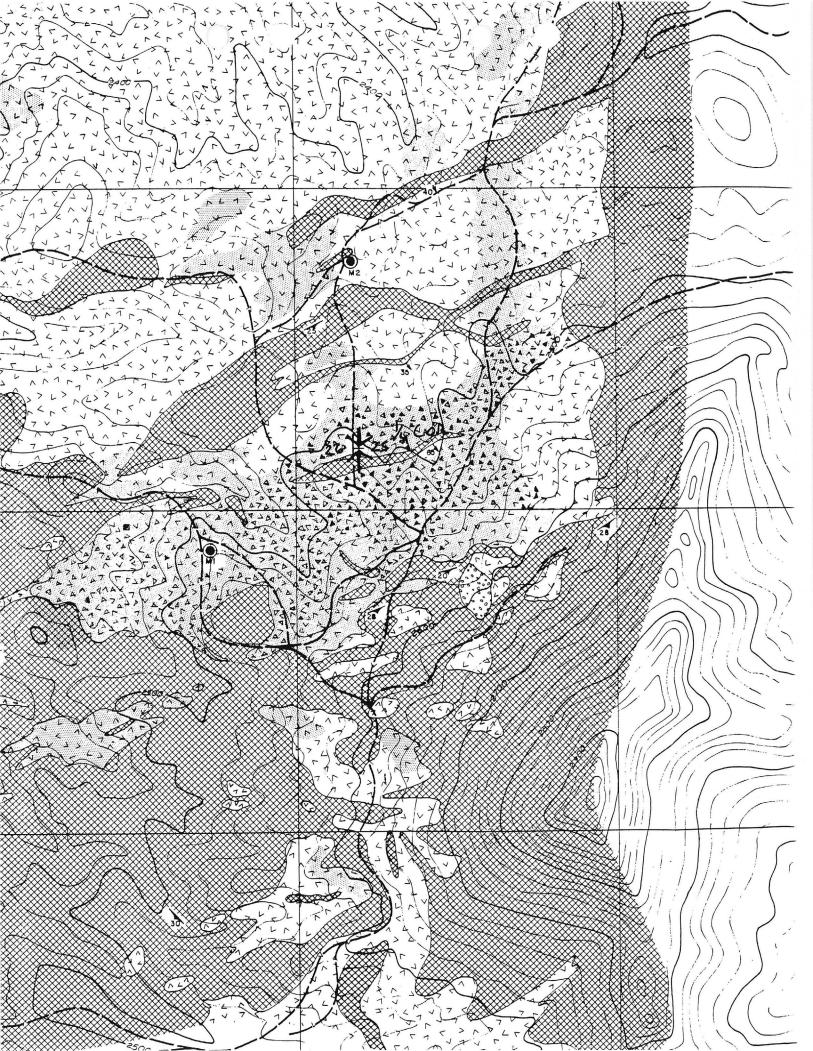
BIBLIOGRAPHY:

ADMMR MAMOTH CLAIM GROUP FILE HEINRICHS FILE - MAMMOTH COPPER PROJECT I-95



LOCATION OF MAMOTH CLAIMS.

1: 250,000.



MAMOTH CLAIM GROUP Sec. 25, 26, 35, 36 T. 7N, R. 5 W. MARICOPA COUNTY

Reference: Arizona Dept. of Mineral Resources Mamoth Claim Group (file)

Present owner:

Minerals: copper

History of the area:

In 1966 the property was owned by, Elwood Saunders and W. H. Wright of Wickenburg, and J. C. Kirk of California. Only exploration work was done on the property.

Geology:

There are lava flow rocks with elongated granitic intrusines The lava flows are of rhyolite or andesite-dacite. There are also two granites,-a fine grained and a coarse grained, (probably a pegmatite).

Assays: 1966

Au NIL

Cu NIL to 1.20

Mo None to 0.00-82

Property consists of 60 unpatented claims.

Jone of The earmorks of a poplary Copper, but
Theory - Dodge drieled several holes in 1965 and dropped
Their aption. as I remember, The 1845 foot

PD hale did not encounter sulphides, or at least
was mostly xidized to The bottom. Since
There are post-mineral # volcami rocky over
a fortion of the area it is not without some
prospecting interest, but I rould assume PD made
a pretty Thorough Study.

Phielips Petroleum drilled 25 Shallow holes

roughly on 200 fort Centers and developed apprehintly

3 to 4 million town at about 0, 4 p. Coppers and

Holder of Frogerly, Thinks This ox ide 30 he may be

appear to The Southwest, although values appears

Spotty in This direction. The spirit 30 holes

mineralization has a maximum windth of 400

feet, and her a vertical extent of from The

surface in The western portion to 200 feet below

The surface.

Come day how information on The Shallow drilling by Phillips in & Phoenix, and I may have a look it if I go Through There in The heart future. However, The oxide presential looks too low grade a small to be of interest, and The sulphide potential

Mineralization

The largest area of copper mineralization, roughly 1,500 feet long and as much as 600 feet wide as outlined by surface mapping (Oversheet No. 4), is found in the Precambrian breccia zone previously described. Malachite, some chrysocolla and a little azurite constitute the ore minerals. These are found in veinlets, filling cracks, and in masses upwards in size from minute specks, within the brecciated, fractured, totally oxidized granite. Hematite casts after sulphides in fractures and also disseminated in the rock are visible both with hand lens and in thin sections. Considerable hydrated ferric oxide has been deposited in rock fractures, accompanying the copper values. The intense oxidation and presence of copper oxides is only slightly evident on the undisturbed surface outcrops, which although fractured, appear clean on the surface. The oxidized, mineralized condition becomes quite evident a few feet below the surface as shown in bulldozer cuts and in access roads.

The mineralized zone described above lies within a larger zone outlined by the 400 ppm copper geochemical contour (Oversheet No. 3) and in a zone of molybdenum geochemical anomalies (Oversheet No. 2).

The mineralized zone is also coincident with the most intensely fractured area as shown by the fracture pattern study from stereographic aerial photography (Oversheet No. 1).

Only one hole, M-I, is in this mineralized zone. It was drilled by Phelps-Dodge (1966) to a reported depth of 1,845 feet. Available analysis data show that from 0 to 20 feet the copper content averages 0.10%; and from 20 to 170 feet, the average is 0.464% (this includes two ten-foot intervals with 0.10% and 0.084%). A 50-foot interval from 20 to 70 feet averages 0.824% copper. Below 170 feet to 720 feet the analyses fluctuate below and above 0.10%. From 720 feet to bottom they are generally 0.03 to 0.05%.

A second deep drill hole, M-2 (1,583 feet), is located outside this mineralized zone. Characteristic of the entire hole are numerous zones 40 to 140 feet thick, averaging from 0.10 to 0.25% copper. The bottom 79 feet averaged 0.135%.

Surface mapping showed two additional small areas of mineralization. One area at the northeast edge of the window has had some surface trenching done. One shallow validation drill hole, M-B (155 feet), located on the western edge of the zone, shows low erratic copper content no higher than 0.23%. No drilling or trenching has been done in the other area on the west side of the window.

GEOCHEMISTRY

Results of the geochemical survey are shown in two contour maps. Oversheet No. 2 shows molybdenum in ppm. General background content for the entire area is in the order of 3 to 5 ppm. Contour interval is 10 ppm to 50 ppm; area with concentrations above this is enclosed by the 50 ppm contour. The molybdenum anomalies are grouped into a roughly circular pattern which generally coincides with the arcuate zone which contains (I) the brecciated, mineralized Precambrian granite; (2) the intruding trachyte dikes; and (3) the most intensely fractured rock. The molybdenum highs are found in trachyte as well as in Precambrian granite terranes.

SHATTUCK DENN MINING CORPORATION

and

SUBSIDIARIES

Humboldt March 15, 1966

SUBJECT: MAMOTH CLAIM GROUP

% Mr. J. C. Kirk 879 Oak Street

Costa Mesa, California

TO: C. R. Sundeen

FROM: J. Olaf Sund

TYPE: Copper

la Million dollars -- end price TERMS REQUESTED:

As follows -- 3 to 5 year lease

Rent in advance of each year at rate of \$36,000.00

balance as royalties

1% grade or less

3% royalty

over 1% grade

4½% royalty 6% royalty

over 2% grade

or a straight 4½% royalty

The owners will accept up to 50% of end price as stock in a new company. (Agreements are called for and required by March 15th, 1966--?)

A total of three partners are involved:

Elwood Saunders-Wickenburg

(Owner & operator of Bridge Motel & city Councilman)

W. H. Wright-Wickenburg

(Retired farmer-rancher turned mining promoter)

J. C. Kirk-California

(Part-time prospector-promoter)

CLAIM GROUP:

A total of 60 unpatented claims are involved, 45 of which have just recently been located and are being recorded etc. The remain 15 claims were apparently staked 5 to 6 years ago. They are as follows: Mamoth 1 to 8 inclusive, Book 4902, pages 269, 276, 273, 275,274, 272, 271 and 270 respectively; Mamoth 9, Book 5178, page 53; and Mamoth la, 10 to 14 inclusive, Book 5057, pages 503, 502, 506, 504, 505, and 501.

LOCATION:

The property is located specifically in T-7-N and R-5-W at the junction of sections 26-25 and 35-36. Access to the claims is via the "Vulture Mine Road", some 3.5 miles south of Highway 60-70 and some 6 miles east on a meandering "Vulture Peak Road".

GEOLOGY ETC:

The claims are underlain by lava flow rocks with elongated granitic intrusives. The lava flows are rhyolite or silicified andesite-dacite types. They are always purple colored, fine-grained to aphanitic masses that contain 1/8 inch glassy quartz eyes

and white feldspar phenocrysts throughout. There is practically no mineralization associated with these lava flow rocks. Generally they are massive but at one place a remnant flow structure was oriented at north 75 degrees east and dips steeply south.

The granitic rocks are of two distinct types. One is a fine-grained, equigranular massive, white variety with accessory biotite minerals that may increase locally and impart a darkish color tone. The second variety is a coarse-grained, massive, pinkish and white type with a variable crystalline texture. This latter granite is best called a pegmatitic variety and as such probably intrudes into the fine-grained variety, although this was not clear in the field.

The granitic intrusives or dikes are oriented in a general north 10 to 30 degree east direction with variable dips typical of intrusive contacts. The dikes vary from 300 feet to only 5 or 10 feet wide. Often the two types of granite locally contact at approximately north 75 degrees east. The granite is fractured in both east-west and north-south directions. Along the joint and fracture planes are widespread deposits of copper oxides. Only locally are there any concentrations of these oxides and/or chalcocite. At one place there was a little yellowish molybdic oxide. A general reddish weathered capping on the hills and in the valleys overlie and mark out the granitic dike rock.

A generalized sketch of the geology of the claim area is attached.

WORK DONE:

As is illustrated on the geological sketch, a vast array of roads and trenchs etc. have been bulldozed around the property. The main effort has been to expose as much of the fractured granite with the green copper oxides as possible to stimulate interest in the claims.

In the course of the geological study, the following samples were collected and assayed:

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Sample No.	<u>Material</u>	A	u Cu	<u>Mo.</u>
12252	f.g. granite	Ni	1 0.0	5 -
12253	carbonated lava	Ni	1 0.0	1
12254	carbonated lava	Ni	1 0.0	•
12255	red rusty qtz rich granite	Ni		
12256	rusty pegmatite granite	$N^{\frac{1}{2}}$		
12257	f.g. altered granite	No		
12258	f.g. granite		1 0.0	
12259	lava-6'	Ni		
12260	lava-6'	150 553	1 0.0	
12261	lava-6'		1 0.0	
12262	lava-6'		1 0.0	
12263	granite 6'		1 0.0	
12264	granite 6'		1 0.0	•
12265	carbonated granite 6'		0.1	
12266	carbonated lava 6'		0.1	
12267 12268	sheared granite 6'		0.0	
12269	lava & granite 6' granite 6'		11 0.0	
12270	5	. N		
12271 .	altered granite 8' altered granite 8'		11 0.0	
1				
12272	.altered granite 8'	Ni	1 0.08	0.0055

Sample No	. <u>Material</u>		<u>Au</u>	Cu	Mo.
12273 12274 12275 12276 12277 12278 12279 12280 12281 12282 12283	altered granite altered lava 8' altered granite altered lava 8' granite with Cu granite with ru	6' 10' 10' 12' 12' 12'	Nil Nil Nil Nil Nil Nil Nil Nil Nil	0.20 0.12 0.08 0.08 0.20 0.04 0.30 0.30 0.30 1.32 0.16 0.10	0.0095 0.0055 0.0055
12284	granite		 Nil	0.17	

PERSONAL IMPRESSION:

- 1. Re. individuals.
 - Mr. Kirk had at least 3 groups from various companies on the claims the same day. He left trucks etc. around the immediate area to give an illusion of much activity. He has bulldozed an intricate array of roads which also gives an illusion of considerable work completed.
- 2. Re. geology and mineralization.

 There is certainly some scattered mineralization within the granite dikes.

 It would be difficult to say definitely if there is or is not a large low grade copper deposit.
- 3. Re. claims.

 The owners have just recently staked an additional 45 claims to further give the illusion of a large low grade copper deposit

CONCLUSIONS:

Based on a combination of doubt regarding the credibility of the individuals involved, the high asking price, as well as background information of deposits of a similar type in the Wickenburg area from yourself (C.R.S) and Fred Gibbs; the writer recommends that nothing should be done with this mining property.

