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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GOLDEN GIANT GROUP

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 815

LOCATION: TOWNSHIP 2 N RANGE 21 W SECTION 12 QUARTER W2
LATITUDE: N 33DEG 31MIN 58SEC LONGITUDE: W 114DEG 23MIN 06SEC
TOPO MAP NAME: DOME ROCK MTS SW - 7.5 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

COPPER OXIDE
COPPER SULFIDE
SILVER
GOLD

BIBLIOGRAPHY:

ADMMR GOLDEN GIANT GROUP FILE



3717
3716
3715
3714
3713
3712
3711

(CUNNINGHAM MTN.)
3151 III SE

T. 3 N.
T. 2 N.

32'30"

WEAVER PASS 8 MI.

Golden Giant Group
T2N R21W Sec 12 N2

N G G R O U N D

Wash Rock Mtn SW 7.5

Sec. 1

NE
LA
WE

USLM
2338

WEAVER
2338

CANYON
2338

WEAVER CHIEF
2338

SPOT CASH
2338

GOLDEN GIANT
2338

SULTAN
2338

Sec. 12

VANDERBILT
2338

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEER'S REPORT
DEPT. MINERAL RESOURCES

RECEIVED

AUG 26 1942

PHOENIX,

ARIZONA Engineer

Mine GOLDEN GIANT GROUP

Date August 24, 1942.

District Weaver, Yuma County.

Subject:

B R I E F R E P O R T

OWNERS: W. C. Field & George J. Hageley, Quartzite, Arizona.

METALS: Copper & gold.

AREA & LOCATION: This property, consisting of seven patented claims, is located in the Weaver Mining District, Yuma County, 10 miles southeast of Ehrenburg, Arizona, on the western flank of the Dome Rock Mountains. It is reached by following the Cibola road from Ehrenburg two or three miles; thence by a mesa road in poor condition to property.

EXAMINATION: On August 13, 1942, I visited this property in company with Mr. W. C. Field. Only a few hours were spent on the ground and no detailed examination was attempted. Hence, these remarks are merely of a descriptive nature.

HISTORICAL: The property was owned and operated, prior to and after 1901, by the Arizona Prince Copper Company, Los Angeles, California. This company also owned two other groups of mines located two and five miles south of the Golden Giant Group; but this report does not cover these two latter properties.

VEINS: The general strike of the ore-bearing zone is from N. E. to S. W.; the main vein being traceable for 4,000 feet. There is also a parallel vein and a number of stringers, all carrying copper-gold ore. There is also a cross vein traceable on the surface for 1,500 feet.

GEOLOGY: The country rock immediately adjacent to the principal workings of this property is hornblendic and sericite schist; but around 1.5 miles to the southwest, near the Copper Giant property, belonging to B. M. Reynolds, of Bouse, Arizona, quartzite and marbelized limestone are found.

DEVELOPMENT WORK: The property is opened by a great number of test pits, tunnels and shafts. The deepest shaft is said to have a depth of 200 feet; but this was inaccessible at the time of visit. The main tunnel, however, is open, and this was entered by Mr. Field and myself. This tunnel is driven 150 feet in a S. 10 deg. E. direction, and cuts the cross vein mentioned at a depth of 40 feet from the surface. Drifts were run east and west on this cross vein, which has a width ranging from 10 to 15 feet; vein material consisting of oxidized silicious copper ore, on which some stoping has been done for shipping ore. Mr. Field stated that this stoping work was done by chloriders during World War I; ore being removed to dump and hand-sorted. The better grade material was shipped and the low grade is still piled on dump. However, no data was available concerning the

GOLDEN GIANT GROUP

assay value in copper and gold of either the ore that was shipped or the ore piled on dump; but I would say as a rank guess that dump material is extremely low grade, probably assaying around 2 or 3 percent copper. Length of ore shoot, so far determined, by drifting on the cross vein from the said 150-foot tunnel, approximates 100 feet; the vein being faulted on the east end, or more particularly in the east drift. A drift was then run south on this fault about 35 feet and connects with a shaft about 40 feet deep. This work exposes another shoot of ore, or rather a short lens of ore found on the said north-south fault. Here also some stoping was done for shipping ore.

CHARACTER OF ORE: Character of ore so far exposed consists of gold-bearing white vuggy quartz stained with iron and impregnated with Chrysocolla and Malachite. The average tenor of ore now developed in all the mine workings was not available at the time of visit.

SULPHIDE ORE ZONE: It is very doubtful whether or not the exposed oxidized ores in this property could be worked profitably. Very little shipping ore could be secured by hand-sorting methods. Also, while the copper in the ore could be recovered by leaching with sulphuric acid and by precipitation with scrap iron or by the electrolytic method, as was practiced at Ajo years ago, I hardly think the indicated tonnage of this oxidized ore to be sufficient to warrant the installation of an acid leaching plant.

On the other hand, as these surface oxidized copper ores all show evidence of extensive weathering and leaching action, I am more than confident that a zone of secondary copper sulphide ores will be found at or near water level in the mine, - such ores as chalcocite and bornite running high in copper, with corresponding gold values. As a matter of fact, chalcocite ores have already been uncovered at a depth of 100 feet in the Copper Giant shaft, located on this same ore zone 1.5 miles southwest of the Golden Giant Group, as above stated. Furthermore, as the elevation of the 150-foot tunnel above mentioned is only 1,059 feet above sea level and around 759 feet above the Colorado River, it is believed that both sulphide ores of goodly grade and ample water for milling purposes will both be encountered in the mine by sinking a working shaft to a depth ranging from 500 to 800 feet. When and if such work can be carried out, under competent direction, I do not hesitate to say that it is my firm opinion and belief that there is a splendid chance to uncover extensive and valuable copper sulphide ore deposits out of which considerable money can be made.

Elgin B. Holt
Elgin B. Holt,
Field Engineer.