



## **CONTACT INFORMATION**

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PRINTED: 06-26-2009

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: SUMMIT COPPER MINE

ALTERNATE NAMES:

FLYING WING  
COWBOY  
LUCKY STRIKE  
PATENTED CLAIM MS 783  
VERDE FALLS GOLD MINING CO

GILA COUNTY MILS NUMBER: 516

LOCATION: TOWNSHIP 11 N RANGE 9 E SECTION 36 QUARTER SE  
LATITUDE: N 34DEG 15MIN 01SEC LONGITUDE: W 111DEG 22MIN 41SEC  
TOPO MAP NAME: BUCKHEAD MESA - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

COPPER OXIDE  
COPPER SULFIDE  
GOLD  
SILVER

BIBLIOGRAPHY:

ADMMR SUMMIT COPPER MINE FILE  
ADMMR ZULU FILE (RPT BY S FAIRBETTER)  
ADMMR "U" FILE AU 20  
ADMMR SUMMIT COPPER MINES COLVO FILE

Gila Arizona Chief Mineral Gold No. Au 20  
 County State Accessory Minerals Copper  
Property Name: Summit **U FILE** Location: About 4 mi S of Payson (Peterson)?  
Owner: Summit Copper Mines, Inc Name Box 116, Payson Address 6/48 Date  
 NOT MAPPED  
 No DEF. INFO.

Operator: R. W. Thompson 11/7/52

Production: 500 T gold ore, 1942 - 1946 MYB  
 Total \_\_\_\_\_ From \_\_\_\_\_ to \_\_\_\_\_  
 Present Rate \_\_\_\_\_ per \_\_\_\_\_ Date \_\_\_\_\_

DMEA 2706--1895 or 1896  
 ore shipped valued in excess  
 of \$16,000. '45 - '46  
 105 dry tons 1.41% Cu, 0.18 oz  
 Ag, 0.604 oz Au.

Source of Information: Mng Wrld, Vol 10, No 7, 6/48

Status	Date
<u>Active</u>	<u>6/48</u>
<u>Inactive</u>	<u>11/52</u>

USEM Report: File No. DMPA-2706

Classification: Prospect

(See other side for general information)

B/2

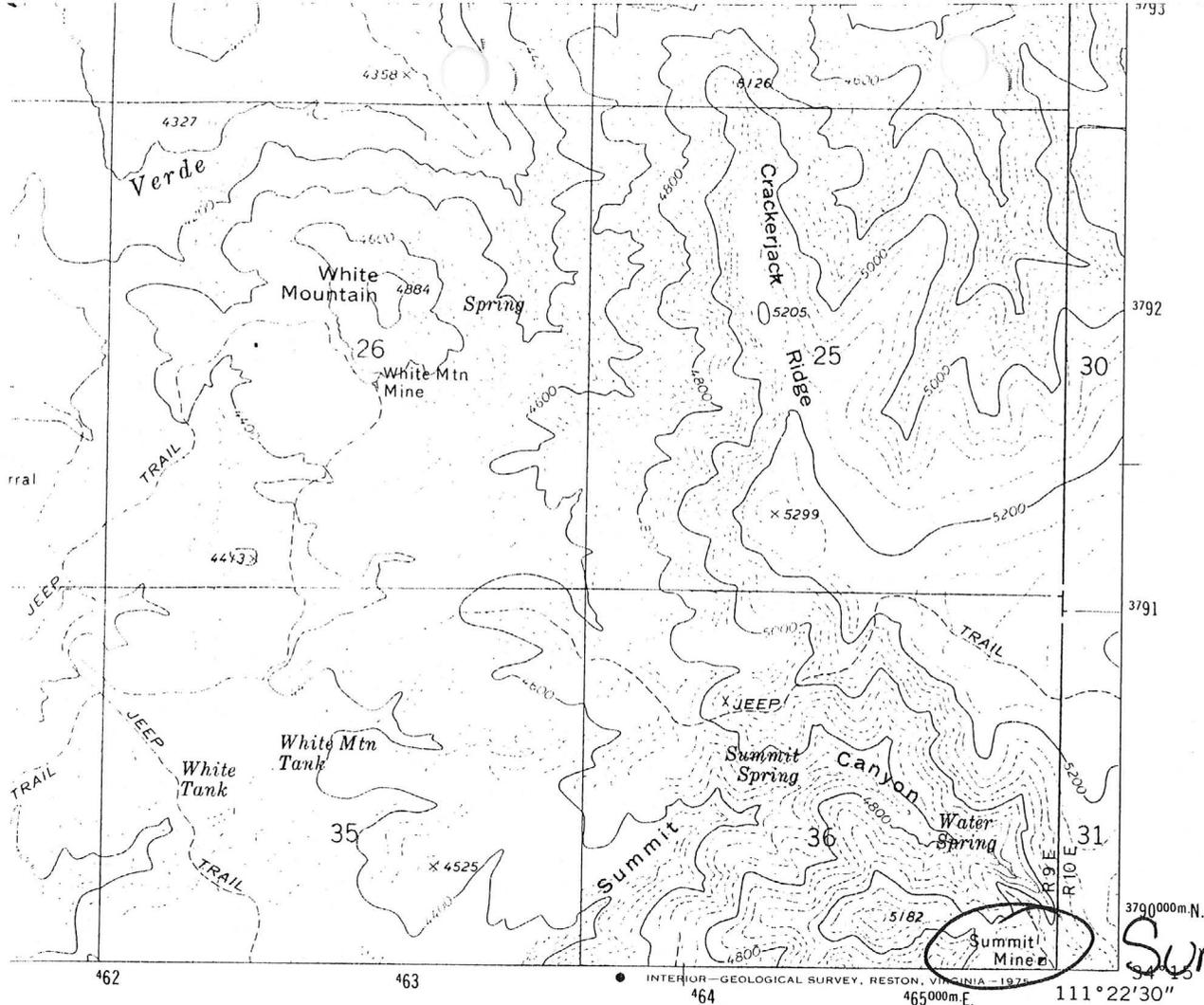
Au 20

General Information: Mng Wrld, 6/48\*\*\*Development work has been resumed -- with a crew of 7, the 150' shaft is being xtended & new machinery has been acquired. Robt W Thompson is pres of the Co.

Diorite, granite, and limestone are found on the Summit claim. Relation between the diorite and the granite is not entirely clear. Slips and faults extend in all directions. Along some of these slips and faults there are minor amounts of quartz but there is no place on the first and second levels where there is a definite vein. In several places crushed diortie is slightly copper stained. 105 tons of ore were shipped from one small pocket of ore in diorite between the first level and the surface.

Character of Ore: shattered diorite contains minor amounts of malachite and chry-socolla as "paint" on the seams.

Equipment (Date Nov. '52): Gibson gold mill and other equipment valued at \$73,883.



*Summit Mine*  
 (PAYSON SOUTH)  
 T11N R9E  
 Sec. 36

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1975

ROAD CLASSIFICATION

- Primary highway, hard surface ————
- Secondary highway, hard surface ————
- Light-duty road, hard or improved surface ————
- Unimproved road ————
- Interstate Route (circle with red border)
- U. S. Route (circle with red border)
- State Route (circle with red border)



QUADRANGLE LOCATION

BUCKHEAD MESA, ARIZ.

SW/4 PINE 15' QUADRANGLE  
 N3415—W11122.5/7.5

1973

EXAMINERS' SAMPLES

Nov. 6, 1952

<u>Sample No.</u>	<u>% Cu</u>	<u>Au</u> <u>Oz./Ton</u>
1	0.27	0.02
2	0.13	0.03
10	0.01	0.01
11	0.42	0.10
12	0.27	0.40
13	0.12	0.02

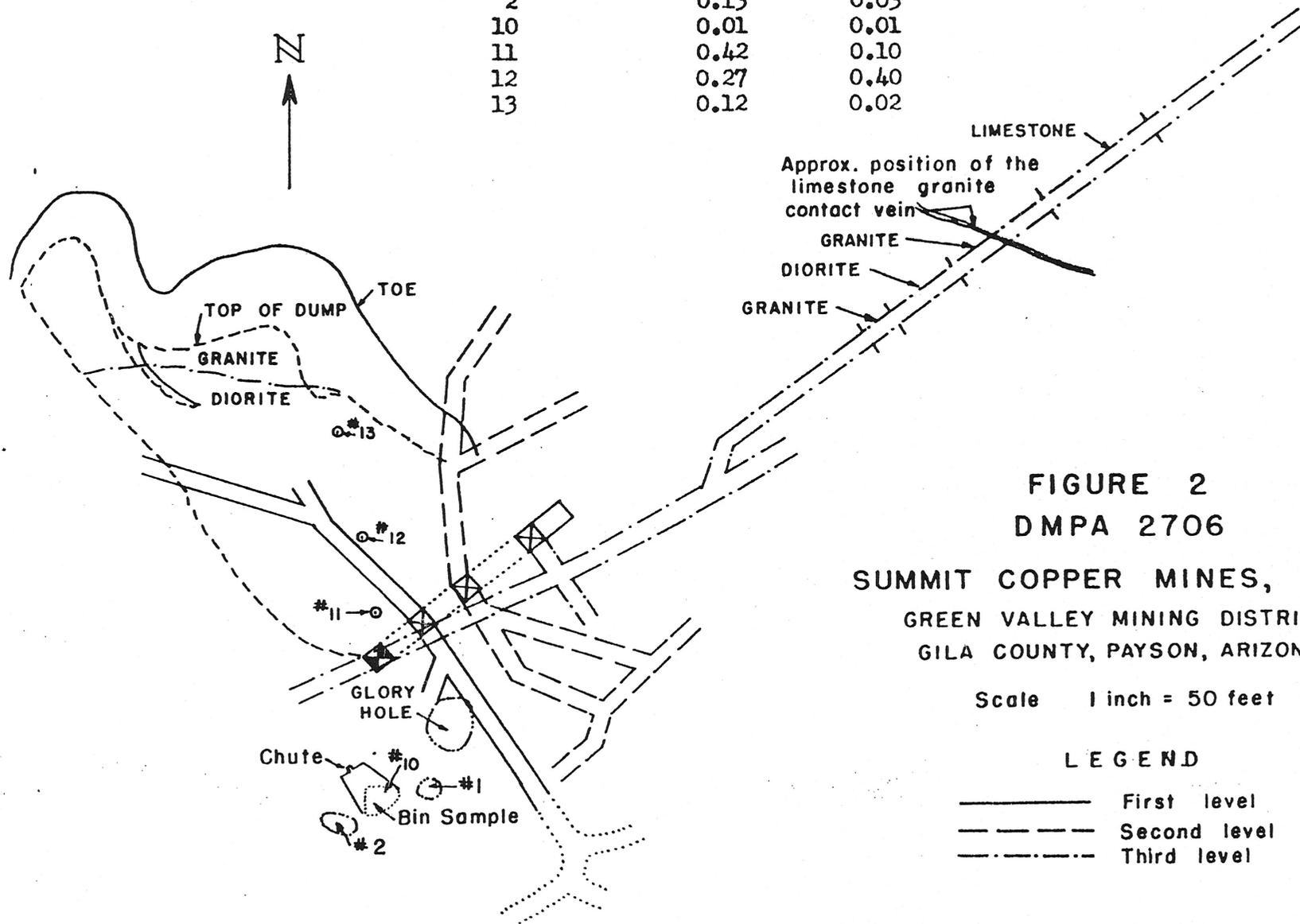


FIGURE 2  
DMPA 2706

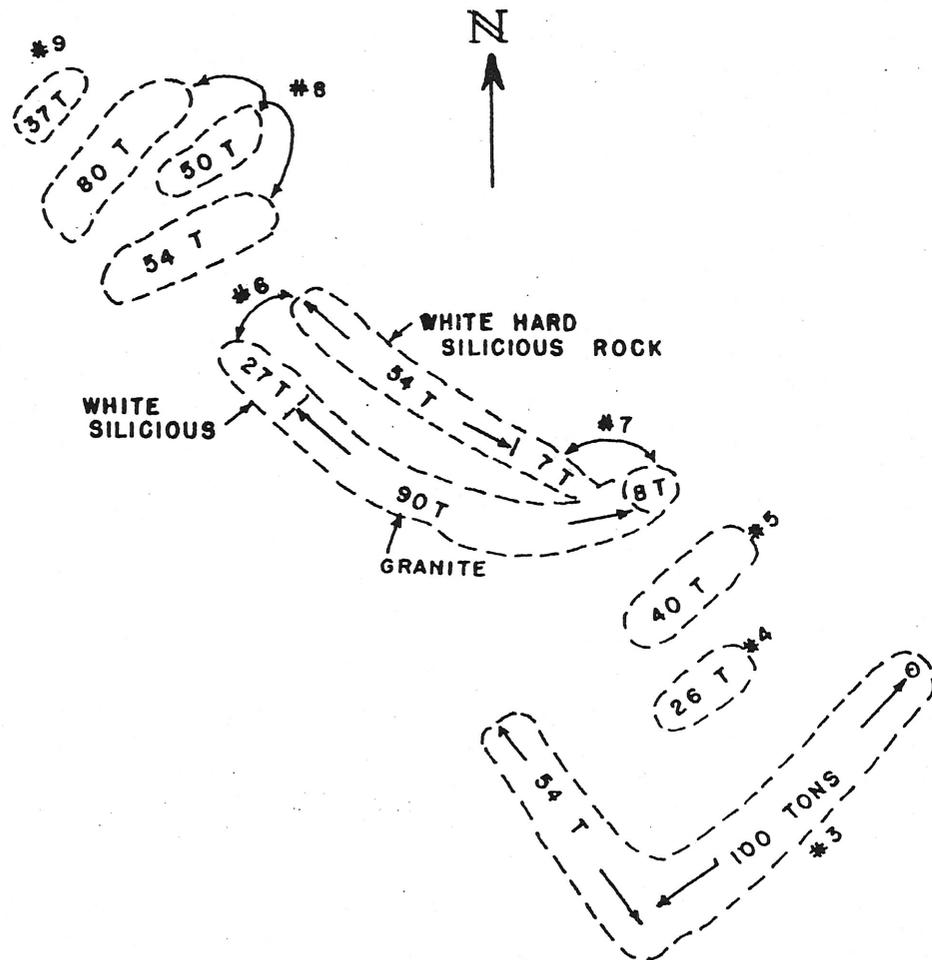
SUMMIT COPPER MINES, INC.  
GREEN VALLEY MINING DISTRICT  
GILA COUNTY, PAYSON, ARIZONA

Scale 1 inch = 50 feet

LEGEND

- First level
- Second level
- · - · - · - Third level

11N-9E - [x]  
31



EXAMINERS' SAMPLES

Nov. 6, 1952

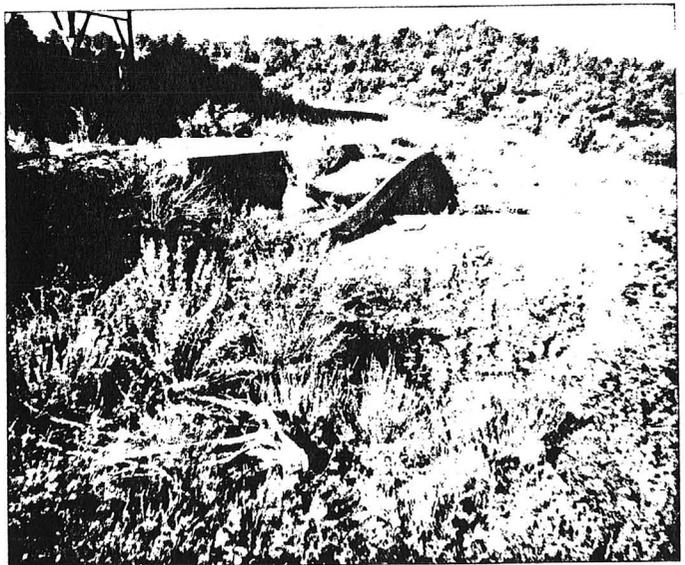
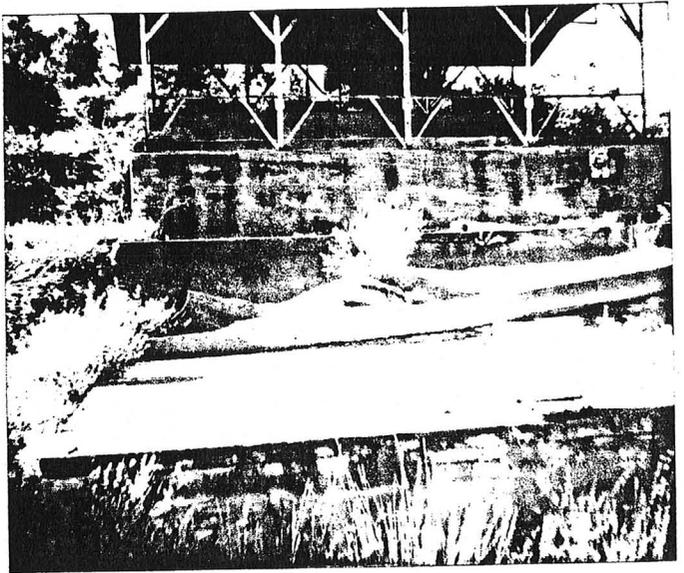
<u>Sample No.</u>	<u>% Cu</u>	<u>Au Oz./Ton</u>
3	0.12	Tr.
4	0.01	Tr.
5	0.01	0.01
6	0.01	Tr.
7	0.01	Tr.
8	0.01	Tr.
9	0.01	0.01

FIGURE 3  
 DMPA 2706  
 SUMMIT COPPER MINES, INC.  
 ORE DUMPS

GREEN VALLEY MINING DISTRICT  
 GILA COUNTY, PAYSON, ARIZONA

Scale 1 inch = 20feet

SUMMIT COPPER  
OLD MILL FOUNDATIONS  
SUMMER 92



PROSPECTUS

*Summit Copper Mines, Inc.*

PAYSON, ARIZONA

PROSPECTUS  
SUMMIT COPPER MINES, INC.

Payson, Arizona

(Incorporated under the laws of the State of Arizona.)

THE ARIZONA CORPORATION COMMISSION HAS NOT PASSED UPON THE ACCURACY OR ADEQUACY OF THIS PROSPECTUS. ANY REPRESENTATION TO THE CONTRARY IS A CRIMINAL OFFENSE.

THE SUMMIT COPPER MINES, INC. was incorporated under the laws of the State of Arizona on September 8, 1943 and was originally capitalized for 10,000 shares without nominal or par value. On or about March 11, 1944 the capitalization was increased to 20,000 shares without nominal or par value. On or about November 9, 1944 the capitalization was increased to 50,000 shares without nominal or par value. On or about October 9, 1950 the capitalization was increased to 150,000 shares without nominal or par value, said 150,000 shares being the present capitalization of the corporation.

The corporation was authorized previously to sell 15,000 shares of stock under date of March 12, 1947 and which was subsequently sold. On May 29, 1951 the corporation was authorized to sell 6,000 shares of stock at \$5.00 per share. The renewal application is to sell the remaining balance of 3,280 shares at \$5.00 per share.

The principal place of business of the corporation is at Payson, Arizona, (P. O. Box 116) and also 3030 E. Indian School Road, Phoenix, Arizona.

The general character of business to be transacted by the corporation is generally to carry on the business of mining and otherwise producing and dealing in all kinds of ores and minerals and to develop, operate and deal in mines and mineral rights and to conduct all business appertaining thereto.

The properties held, owned or under location by the corporation are as follows:

The SUMMIT LODE PATENTED mining claim, U. S. Mineral Survey No. 783, situate in the Green Valley Mining District, Gila County, Arizona and purchased from the Verde Falls Gold Mining Company.

The following unpatented mining claims, situate in the Green Valley Mining District, Gila County, Arizona

Flying Wing No. 1	Flying Wing No. 7
Flying Wing No. 2	Flying Wing No. 8
Flying Wing No. 3	Cowboy
Flying Wing No. 4	Cowboy No. 1
Flying Wing No. 5	Cowboy No. 2
Flying Wing No. 6	Cowboy No. 3

Also the following unpatented mining claims situate in Green Valley Mining District, Gila County, Arizona, held under 10 year Option contract between Ola J. Wilbanks and Summit Copper Mines, Inc.

Lucky Strike	Lucky Strike No. 1
Lucky Strike No. 2	

There is now installed on the Summit property and ready for operation the following described machinery and equipment. This equipment will be used in conjunction with 8 cells of selective flotation and filter that is to be purchased.

50 ton Gibson Rod Mill & Classifier	Crushing Plant
100 ton Gibson Impact Amalgamator	150 H. P. Superior diesel with 125
70 ton Stephan concentrating table	KW generator to supply power for

**BOB CUSHMAN:**

izona, and has owned and operated said business for more than ten years last past.

Bob Cushman is a painting contractor and interior decorator, having owned and conducted his said business in Phoenix, Arizona, for more than ten years last past.

The total authorized capital stock of the Corporation is 150,000 shares without nominal or par value. There has been issued and outstanding 69,594 shares of stock.

Following is the total amount of stock held by each officer or Director.

* R. W. Thompson	14,545
* A. L. Gagnier, Sr.	1,285
* Nina M. Thompson	550
J. E. Shelton	2,705
* H. R. Meadows	6,162
E. J. Cox	200
Marven Miller	2,750
Bob Cushman	2,035
Allen Belluzzi (formerly a director)	16,642
<b>Total</b>	<b>46,874</b>

The following is total list of stock which has been issued to either Directors or stockholders for intangibles such as assignment of mining claims, services and any other intangibles.

Name and Address	Shares of Stock
*R. W. Thompson, Payson, Arizona For organization expenses, services and assignment of mining claims	14,545
*Nina M. Thompson, Payson, Arizona For services rendered	550
Wallace W. Clark, Bank of Douglas Bldg., Phoenix, Arizona For legal services and costs	2,650
A. L. Flagg, Box 2345, Phoenix, Arizona For engineering services	715
*H. R. Meadows, 1717 W. Buchanan, Phoenix, Arizona *For machinery and equipment	750
John M. Reed, (deceased) c-o Dorothy R. Reed, Administratrix, 7240 South 7th St. Phoenix, Arizona For services rendered	1,650
J. Louis Sleph, 1706 N. Laurel, Phoenix, Arizona For attorneys and services rendered	1,000
<b>Total</b>	<b>21,860</b>

Note: The amount of stock listed above opposite names of directors marked by a star (\*) is included in amount listed in preceding list showing total amount of stock held by each director.

The present offering is for 3,280 shares of capital stock without nominal or par value, offering price \$5.00 per share, aggregating \$16,400.00. Underwriting discounts and commissions will be \$1.00 per unit and in the aggregate of \$3,280.00. The net per unit to be received by the corporation is \$4.00 and \$13,120.00 in the aggregate.

The purpose for which funds to be derived by the corporation from the sale of stock will be used, is as follows:

Purchase of 8 cells of selective flotation and filter (approx.)	\$8,000.00
Installation, working capital, fuel oil, deposit to Industrial Commission	5,120.00
	<u>\$13,120.00</u>

There is no litigation pending involving the Corporation.

all machinery and underground work  
and will supply up to 100 ton mill.  
Air compressors and tools  
25 HP Fairbanks Morse Hoist

Triplex Water pump, rated capacity 9,600  
gallons per hour  
Water reservoir with 185,000 gallon capacity  
Complete Assay Office

2,500 gallon underground fuel tank storage

The names and business addresses of all members of the Board of Directors and officers of the corporation are as follows:

**Name & Address:**

R. W. Thompson  
Payson, Arizona

A. L. Gagnier, Sr.  
5200 Bartlett Drive  
Phoenix, Arizona

Nina M. Thompson  
Payson, Arizona

J. E. Shelton  
2105 E. Taylor  
Phoenix, Arizona

H. R. Meadows  
1717 West Buchanan  
Phoenix, Arizona

E. J. Cox  
Route 13, Box 1104  
Phoenix, Arizona

Marven Miller  
20 East Adams  
Phoenix, Arizona

Bob Cushman  
806 West Madison  
Phoenix, Arizona

**Office:**

President  
Director

Vice-President  
Director

Secretary-Treasurer  
Director

Director

Director

Director

Director

Director

**R. W. THOMPSON:**

Prior to the incorporation of SUMMIT COPPER MINES, INC., applicant herein, Mr. Thompson owned and operated the SUMMIT lease and adjoining claims from April 1942 until September 8, 1943, the date the corporation was incorporated. Since the incorporation of the applicant, Mr. Thompson has been and now is the General Manager and in active charge of said corporation.

**A. L. GAGNIER, SR.:**

Dr. A. L. Gagnier, Sr., is a licensed chiropractor under the laws of the State of Arizona and has been practicing his profession in the City of Phoenix, Arizona, for more than ten years last past.

**NINA M. THOMPSON:**

The Secretary-Treasurer of the applicant is the wife of R. W. Thompson, President of the company, and has been married to Mr. Thompson for more than ten years last past. Prior to her marriage she was a secretary and has continued to act as such in connection with her husband's business affairs.

**J. E. SHELTON:**

Mr. Shelton is at present an executive officer of the Masonic Lodge, but has been retired from business activity for more than the past ten years. Previous to his retirement he was a newspaper publisher in the State of Oregon.

**H. R. MEADOWS:**

Mr. Meadows is a building contractor doing business as H. R. MEADOWS CONSTRUCTION COMPANY, Phoenix, Arizona, and has been so engaged in said business for more than ten years last past.

**E. J. COX:**

Mr. Cox owns and operates a garage at 200 South Central Avenue, Phoenix, Arizona, and has owned and operated said garage for more than ten years last past.

**MARVEN MILLER:**

Mr. Miller is the owner and operator of MILLER'S BEAUTY SALON in Phoenix, Ar-

R. L. JONES

Certified Public Accountant

Prescott, Arizona

May 9, 1952

Messrs. Wallick & Shorb  
917 Fifteenth St., N. W.  
Washington 5, D. C.

Gentlemen:

Pursuant to your letter of April 25 and my reply of May 3, I have checked the records of Summit Copper Mines, Inc. and am submitting the following schedules:

Receipts and Disbursements July 15, 1944 to April 30, 1952

Balance Sheet at April 30, 1952

Comparative Statements of Condition at April 30, 1948, April 30, 1949, July 31, 1950 and April 30, 1952

I have been working with Mrs. Thompson ever since I assisted her in opening up her books back in 1945. I can certify without reservation that it is my opinion that the enclosed statements clearly reflect the operations of the company for the period covered.

The only exception is that I am not qualified to pass upon the values of the mining claims except the patented one, which cost \$10,000.00. It seems to be customary here in this mining country to recognize that any claims should be worth at least \$5,000.00.

The ore on the dump represents Mr. Thompson's and his engineers' estimates.

Respectfully submitted,

R. L. Jones

Certified Public Accountant

SUMMIT COPPER MINES, INC.

STATEMENT OF RECEIPTS AND DISBURSEMENTS

July 15, 1944 to April 30, 1952

RECEIPTS

Sale of 55,027 Shares of stock	\$144,363.00	
Sale of Ore & Supplies	<u>4,006.72</u>	<u>\$148,369.72</u>

DISBURSEMENTS

Machinery and Equipment	95,116.70	
Underground and exploration	35,888.05	
General and Administrative expense	<u>17,174.69</u>	<u>\$148,179.44</u>
Balance in Bank		<u>190.28</u>
		<u>\$148,369.72</u>

Prepared by R. L. Jones, C.P.A. Arizona  
and taken by him from the Company's records

R. L. JONES  
 Certified Public Accountant  
 Prescott, Arizona

STATE OF ARIZONA  
 DEPARTMENT OF REVENUE  
 SUMMIT COPPER MINES, INC.

COMPARATIVE STATEMENT OF CONDITION

2/19/52

\*\*\*\*\*

Sheet No. 100,000 to 100,000  
 Date 2/19/52 to 2/19/52

ASSETS	April 30, 1948	April 30, 1949	July 31, 1950	April 30, 1952
Cash in Bank	634.00	47.00	27.00	190.00
Deposits Returnable	461.00	461.00	461.00	-----
Development expenses	56,186.00	69,579.00	132,060.00	148,787.00
Mining Claims	90,000.00	90,000.00	90,000.00	90,000.00
Ore on Dump	150,000.00	150,000.00	160,000.00	160,000.00
Ore in Mine	480,000.00	540,000.00	540,000.00	-----
<b>Totals</b>	<b>\$777,281.00</b>	<b>\$850,087.00</b>	<b>\$922,548.00</b>	<b>\$398,977.00</b>
<b>LIABILITIES</b>				
Withholding and S. S. Taxes	353.00		300.00	
Notes Payable		2,500.00		
Advances by Stockholders			26,310.00	
Capital Stock - - no par value	200,200.00	212,950.00	250,000.00	148,787.00
Capital Surplus	576,728.00	634,637.00	645,938.00	250,190.00
<b>Totals</b>	<b>\$777,281.00</b>	<b>\$850,087.00</b>	<b>\$922,548.00</b>	<b>\$398,977.00</b>

(This is prepared for Item 25, Page 9, Form MF-101)

Note:

Capital Surplus represents the excess of the Engineer's valuation of the mine and ore bodies, plus the expenditures for development, over the amount of capital stock issued.

R. L. JONES  
 Certified Public Accountant  
 Prescott, Arizona

SUMMIT COPPER MINES, INC.  
 FINANCIAL STATEMENT  
 APRIL 30, 1952

ASSETS

Balance in Valley National Bank		190.28	
Mining Claims			
Summit Patented Claim	10,000.00		
16 Unpatented claims	<u>80,000.00</u>	90,000.00	
Ore Bodies			
Estimated 8,000 tons of ore on dump			160,000.00
Equipment and Machinery			
Purchases, Labor, Freight	77,333.70		
Repairs, Installing and Sundry	15,488.00		
Road Constructed to Mine	<u>2,295.00</u>	95,116.70	
Underground and Exploration			
Labor	17,500.00		
Timbering and Supplies	17,000.08		
Engineering	<u>1,388.45</u>	35,888.53	
General and Administrative			
Insurance and Interest	6,494.08		
Legal and Accounting	1,112.09		
Commissions	2,900.00		
Office and Organization Expense	2,756.43		
Salary of Officers	1,500.00		
Taxes and Licenses	764.14		
Utilities	1,156.00		
Travel Expense	<u>1,098.75</u>	<u>17,781.49</u>	<u>\$398,977.00</u>

LIABILITIES

Capital and Surplus			
Capital stock issued for cash		144,363.00	
Capital stock issued for services and advances *Note*		4,423.72	
Capital surplus		<u>250,190.28</u>	<u>\$398,977.00</u>

Note\* No advances were forgiven. Capital stock has been issued to cover the advances by stockholders.

(Copy)

**DEFENSE MATERIALS PROCUREMENT AGENCY  
WASHINGTON 25, D. C.**

**SEP 16 1952**

**Type of Application: Loan**

**DMPA Docket Number: 2706**

**Referred to: Copper Branch**

**Mr. R. W. Thompson, President  
Summit Coppermines, Inc.  
P. O. Box 116  
Payson, Arizona**

**Dear Mr. Thompson:**

**Your application for the above type of governmental assistance has been referred to this office for acknowledgment.**

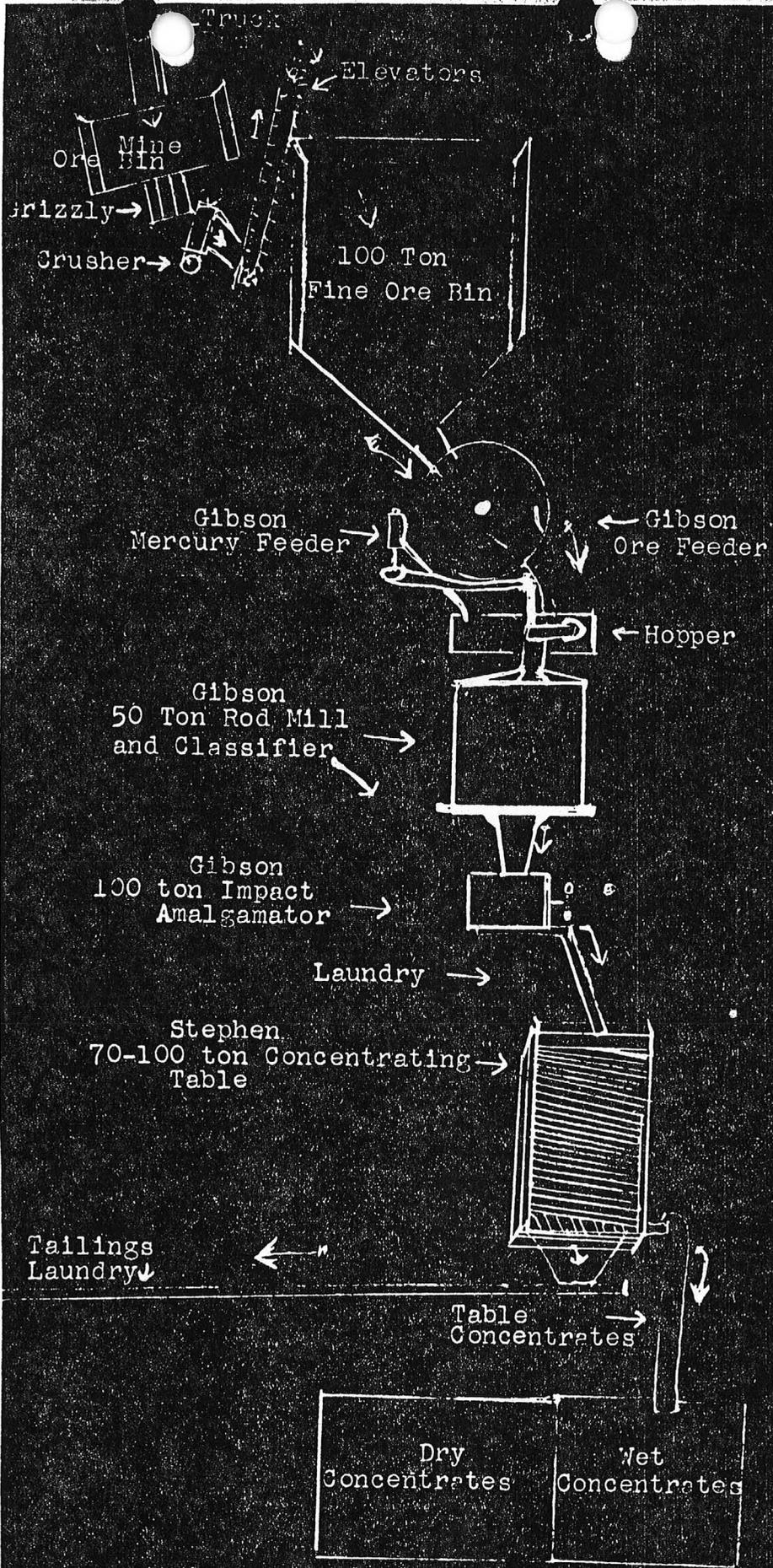
**This application has been assigned the DMPA Docket Number shown above and referred for consideration to the branch indicated.**

**In order to expedite service to you, kindly refer to the DMPA Docket Number in any future correspondence relating to your application to the Defense Materials Procurement Agency.**

**Sincerely yours,**

**W. C. HAWTHORNE  
(v-g)**

**W. C. Hawthorne  
Administrative Officer**



FLOW SHEET  
SUMMIT COPPER MINES, INC.

The firm of Wallick & Shorb is to receive a 2% royalty on the net returns from proceeds of the mine. The entire amount of said royalty is to be subordinated to loan approved by Reconstruction Finance Corporation and no payment is to be made until after said loan shall have been paid in full.

No dividends will be paid until after Reconstruction Finance Corporation mortgage loan has been paid in full.

Summit

REPORT ON THE  
PAYSON GOLD DISTRICT

Payson, Arizona  
August 1925

Messrs. Anton Trejanovich and Wm. E. Shalley,  
Globe, Arizona.

Gentlemen:

In accordance with your instructions I have visited the various properties near Payson, Arizona, and beg to submit the following report:

All of the mines are at present practically inaccessible, being caved or in dangerous condition. For this reason this report can only be general and details will necessarily be secured from future developments. What information can be obtained from the old workings and their history, production, etc. is very favorable for the project and fully warrants a thorough investigation of the properties. This should be started and when a sufficient amount of ore is assured the development of the water-power and the building of a mill will become advisable.

In general, the prospects of this project becoming a very profitable one are very good. A small amount of money spent in opening and exploring the old workings will, without much doubt, warrant the further expenditure necessary to bring it to the state of production.

Conditions at the different mines are very similar and the following general description applies equally well to any of them. A few notes on individual properties are also appended, but these may be subject to considerable change.

THE PAYSON DISTRICT

The properties included in this project lie in an area about five miles from north to south and from Payson for about three miles west. The country lies at an elevation of about 5000 feet and slopes to the west and south into the valleys of the East Verde River and Rye Creek. The hills are rolling and rather rough, but offer little difficulty to mining operations or road building. The East Verde River flows through the district and can furnish both water for milling and power for operation. Timber can be secured from nearby districts and general working conditions are excellent.

HISTORY

Claims were first located in the district in about 1880 and work on a small scale was carried on intermittently until 1897. Since then only a little leasing has been attempted. A two stamp custom mill was in operation at one time and much ore has been treated in arrastras. No record exist, but probably \$3000,000 or \$400,000 has been produced from the district and possibly more. Old tailings from these operations are said to retain from \$8 to \$10 in gold values.

### GEOLOGY

The country-rock of the district is a granodiorite with both red granite and black diorite facies. In general the diorite preponderates in the west and most of the ore is found in or near this rock. It is probable that it is a marginal phase. All ores are found in two series of clean-cut fissure veins which strike either N-60-E or N-10-W. The N-60-E veins dominate in the southern part of the district and the N-10-W veins in the northern. Both have the same type of ore.

The granodiorite was intrusive into schists which appear west of the district. These formations are pre-Cambrian and the ore deposition is probably also of this age. A few of the hills and ridges in the district are capped by remnants of younger red sandstones and limestones which cover the veins.

### VEINS AND ORES

The veins vary up to five feet in thickness. The values are principally in gold with varying percentages of copper and a little silver. The gold has been largely free as far as worked and the copper near the surface is found as carbonates, chrysocolla and a good deal of red oxide. Chalcocite and chalcopyrite show at shallow depth. The gangue is entirely quartz.

The ores are of a high temperature type and much of the gold may remain free milling with depth. The copper will there be as chalcopyrite or bornite. This type of ore deposit has a great vertical range and no change in values, except a probable lessening percentage of copper is to be expected in depth.

### ORE VALUES

The gold values in the veins are very erratic. High grade streaks up to a foot wide run from \$50 to \$100 per ton. It is thought that the remainder of the ore with a little sorting may average \$20 per ton. This is very uncertain and can only be verified by reopening the mines. It is very possible that a lower mill head and greater tonnage may be more profitable.

### GOWAN MINE

This is five miles west-northwest of Payson on the East Verde River and one and a half miles below the site of the proposed power house. It is the most extensively worked property in the district. The vein strikes N-20-W and dips 45°E. The ore shoot, now stoped, was up to five feet thick and 200' long. This ore was run through a ten-stamp mill on the property and recovery is said to have been \$45 per ton. There is much visible gold in the little ore remaining. The bottom of the old workings is at the water level and the ores probably become refractory there.

This vein should be opened up at once as it seems likely to place a considerable tonnage of ore in sight very quickly. This is a central location for a milling plant for the district.

### SUMMIT MINE

This is about two and a half miles northwest of Payson. There were quite extensive workings which are now entirely caved. Considerable ore is said to have been produced and a large dump is stated to average \$7 in gold. This is worthy of later investigation.

### THE "85" MINE

This property is about two and a half miles southwest of Payson on a branch of Rye Creek. The principal workings are near the intersection of two veins striking N-60-E and N-0-E and dipping 45° northwest and 65 west respectively. The mine was opened by shafts, tunnels and winzes to a depth of 300 feet from surface. Probably 2000 tons have been mined from here and it is said that from \$75,000 to \$100,000 has been received. 455 tons of this ore are said to have been milled in the two-stamp mill with a recovery of \$42.28 per ton. About 1000 tons of \$20 ore are blocked out in the mine. The above is taken from a report by Chas. L. Ratliff, dated August 30, 1904, in Globe. The mine is inaccessible and nothing can be verified, but the report seems reliable.

This mine should be opened up through the lower tunnel and the values and width of the vein ascertained. The so-called "blind ore shoot" of the report should be investigated as two samples from it averaged \$20 per ton. Two other unexplored veins on this property farther northwest are worthy of later notice.

### GOLD ROCK

This is on the extension of the northeast vein. There is a 190' shaft in poor condition and a little drifting. Some ore has been shipped and two samples by Ratliff averaged \$34.70 for 2 feet width. The vein is said to be from one to four feet wide and it can be best explored from the "85" tunnel levels as work advances from that mine.

### MAGGIE VEIN

This may be the southwestern extension of the vein on the "85" and the Gold Rock. Three old shafts are now caved and inaccessible. Old maps show an ore shoot 125' long and the vein is said to be from one to four feet wide. Two samples from the edges of the old stope averaged \$40.10 for 12" width (Ratliff). The bottom of the stope coincides with the water level and it is probable that the ores become refractory at this point. This may account for the work being stopped. The property is well worth opening up later.

### GOLDEN WONDER

These claims adjoin the Maggie, and the Golden vein may be the southwestern extension of the Maggie. The vein strikes N-60E and dips 40 northwest. The main workings are caved. A more recent shaft shows four feet of ore and two samples ran \$50 with good copper values. There is some high grade ore in the dump and the remainder is said to run \$8 which seems reasonable as much ore can be seen.

This vein should be opened up at once as the prospect of high grade as well as milling ore is very good.

### EXCURSION MINE

This property is about four miles southwest of Payson. The vein strikes N-60-W and dips 60 northeast. It shows in outcrop up to four feet wide and 200' long. There is a caved shaft 165' deep with a 50' drift on the 75' level. Some ore has been shipped and the dump is said to run \$7 or \$8. This vein can be reopened very cheaply and give a quick available tonnage of milling ore.

### LINCOLN MINE

This is one and a half miles northwest of Payson in a coarse red granite formation. The vein strikes N-60-E and dips 60 northwest. There is a 50' shaft, now caved and some sorted ore was treated which is said to have run \$60. The vein seems small, but is worth opening up later.

### OTHER PROPERTIES

Several other properties were not visited, but are said to have good possibilities for development. All are in the same inaccessible condition as those seen. The Contact and the Crackerjack about two miles north of the Gowan are possibly the most important. Other properties in the immediate district are the America, McDonald's Liberty, Tony, Goldfield, Delaware and others.

With an operating mill a profitable custom business may be built up on ores from other properties in the district not included in the present project.

Respectfully submitted,

(Sgd) C. W. Botsford

Inspiration, Arizona,  
August 14, 1925

Phoenix, Arizona.  
February 2, 1933.

This is to certify that the above is a true copy of the original report as gotten out by C. W. Botsford, E. M., who was consulting engineer for the Inspiration Copper Company of Globe, Arizona at the time the report was made.

(Sgd) W. B. Twitchell

Subscribed and sworn to before me this 2nd day, Feb'y, 1933.

SEAL

(Sgd) N. A. Lytle  
Notary Public.

My Commission expires, July 16, 1934.

1-9-58 Arizona Corporation Commission advises:

Summit Copper Mines Inc filed their last report 6-30-56 - in arrears only since 6-20-57

Dr. A. L. Gagnier, Sr., President, 333 E. McDowell Road, Phoenix  
H. R. Meadows - Vice-Pres. 1717 W. Buchanan, Phoenix  
Nina M. Thompson - Secretary-Treasurer at P.O. Box 116, Payson

Address of the company is apparently in care of Mrs. Thompson above.

Summit Copper Mines Inc filed last report June 30, 1956 - in arrears only since 6-30-57

A. L. Gagnier Sr., President 333 E. McDowell Road - Phoenix

AL 3-4949

H. R. Meadows - 1717 W. Buchanan - Phoenix

Nina M. Thompson - Secretary Treasurer at P. O. Box 116 - also the address of Company Payson, Ariz.

a/c Arizona Corporation Commission

1-9-58

*Tel conversation with Gagnier 1-9-58*

*70,000 shs out*

*About \$3500 indebtedness*

*No assessment work done so have only 1 patented claim.*

*Soon to see if can sell claim & liquidate.*

*Stock presently of no value and quite likely will receive very little if anything.*

*J.P. Knight*

9=24=65: Corp. Comm advised the charter was revoked 1-18-62 for failure to file report and pay fees.



NAME OF MINE: SUMMIT		COUNTY: GILA	
		DISTRICT:	
		METALS: CU	
OPERATOR AND ADDRESS:		MINE STATUS	
DATE:		DATE:	
5/1/44	B.E. Tade, 601 Luhrs Tower, Phoenix,	5/1/44	Preparing to ship
5/45	R.W. Thompson, Payson	5/45	Developing
		10/46	Idle

See: "PAYSON GOLD DISTRICT MINES" (Corres. files)



STATE OF ARIZONA.  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007



September 24, 1965

Mr. John M. Cronen  
623 Niagara Avenue  
Sheboygan, Wisconsin

Dear Mr. Cronen:

Your inquiry of September 20, concerning the Summit Copper Mines, Inc. has been forwarded to this office for reply, *file*

In January of 1958 we were advised that no assessment work was being done on the unpatented claims of this company, so they had but the one patented claim. They hoped to sell the claim and liquidate. At that time Nina M. Thompson, Secretary-Treasurer was at P. O. Box 116, Payson, and Dr. A. L. Gagnier, Sr., President lived at 333 E. McDowell Road, Phoenix.

The Arizona Corporation Commission today advised that the charter for this corporation was revoked January 18, 1962 for failure to file reports and pay fees.

If we can be of further service, please write us.

Yours very truly,

FRANK P. KNIGHT,  
Director.

P

C  
O  
P  
Y

June 29, 1944

Messers Henry Costa and B. E. Tade  
601 Luhrs Tower  
Phoenix, Arizona

Dear Sirs:

I was greatly disappointed in my visit to your Summit Copper Mine.

To make a long story short, there seems to be no ore in evidence, or according to my opinion, no ore probable. Furthermore, the geological make-up is not at all encouraging for copper, or even for any continuity of commercial gold ore.

Bunches of ore on the surface, like the little lot you shipped and like the high grade gold that has been reported, are not unusual and are not indicative of anything permanent.

If the property were mine, I would stop all expenditure at once, unless I were so burdened with income taxes that further losses would be a pleasure. In this latter case, I would continue the shaft to its purported bottom at 135 feet to check the story of its being bottomed in copper ore, but I would be very greatly surprised if it were true, or if any appreciable ore of a profitable grade were encountered.

Mr. Thompson will, no doubt, differ greatly with me and if he still thinks he has any ore, you could easily have him gouge out and ship a single car before going to further capital expenditures. But, you better be prepared for a bill from the smelter.

It would take a more lengthy report than I can write at this time to go into the details regarding this mine, but if either or both of you care to drop in at any time I will be glad to talk it over more thoroughly.

I regret that things are as they are, but I thank you for  
a pleasant trip and pleasant company.

Yours very truly

Chas. H. Dunning  
Director

CHD:ez

FILE NO.: BRD

March 14, 1944

Office of Price Administration  
War Price and Rationing Board 81.7.1  
Ellis Building  
Phoenix, Arizona

Gentlemen:

Mr. B. E. Tade, Vice-president of the Summit Copper Mines Incorporated, 601 Luhrs Tower, is in charge of an operation at the Summit Copper Mine in Green River Mining District, 6 miles northwest of Payson which is employing 5 men at present.

This company is preparing to ship a car of copper ore to the smelter at Miami. Mr. Tade will be obligated to make 2 round trips per month to exercise supervision over this property.

It is recommended that Mr. Tade be allowed gas rationing to undertake this work.

Very truly yours,

George A. Ballam  
Assistant to the Director

GAB:JES

April 26, 1943

Mr. F. H. Hayes  
Assistant Chief  
Primary Production Division  
Copper Branch  
War Production Board  
Washington, D. C.

Dear Mr. Hayes:

Sometime ago we had some correspondence regarding the Green Valley Mining District near Payson, Arizona, and in particular some properties owned or leased by a Mr. Thompson.

I am enclosing a report by our field engineer, Andrew Macfarlane, on the Summit Mine which one of those which Mr. Thompson has under his control. This report indicates a somewhat better showing than I had believed would be the case, although it is still a mere prospect, as you will note.

A number of small loans, particularly on small copper properties, have been granted during the past month I note. All our field engineers are paying careful attention to good copper prospects and we will report any which they deem worthy to you.

With kindest personal regards to yourself and all in the Department, I am

Sincerely yours,

Earl F. Hastings  
Projects Engineer

EFH:kk  
Enclosures

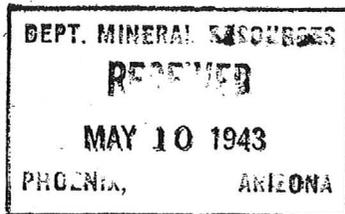
WAR PRODUCTION BOARD

WASHINGTON, D. C.

May 5, 1943

IN REPLY REFER TO:

4H-MJE



Mr. Earl F. Hastings  
Projects Engineer  
Department of Mineral Resources  
413 Home Builders Building  
Phoenix, Arizona

Dear Mr. Hastings:

We are in receipt of your letter of April 26th, containing Mr. Macfarlane's report on the Summit Mine near Payson, Arizona.

We thank you for sending us this report and we will also appreciate receiving information concerning any property which you think has possibilities of quick production.

Yours very truly,

A handwritten signature in cursive script, appearing to read "F. H. Hayes".

F. H. Hayes  
Assistant Chief  
Primary Production Branch  
Copper Division



BOARD OF GOVERNORS:  
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LOYDE C. EDMONSON, GLOBE  
W. J. GRAHAM, SECRETARY

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
413 HOME BUILDERS BLDG.  
PHOENIX, ARIZONA



J. S. COUPAL, PHOENIX  
DIRECTOR  
W. C. BROADGATE, PHOENIX  
EARL F. HASTINGS, PHOENIX  
ASSISTANT DIRECTORS  
W. J. GRAHAM, PHOENIX  
ASSISTANT TO THE DIRECTORS  
FIELD OFFICES AT  
GLOBE - KINGMAN  
PRESCOTT - TUCSON

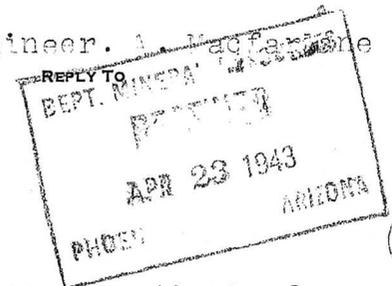
SUMMIT MINE

April 5th, 1943

GREEN VALLEY MINING DISTRICT;

Engineer. J. MacFarlane

Mr. Thompson Lessee. Payson, Arizona.



SUMMIT MINE

LOCATION; This property is situated about 7 miles northerly from Payson, Arizona, in the Green Valley Mining District and is in section 36, township 11 N. Range 9 E. The Summit claim is patented being patent number 783 of Aug. 30 1886.

In addition to the patented claim, four additional adjoining claims have been located by Mr Thompson, now making a group of five claims.

ROADS; From Payson the road to Pine and Jerome is taken for about four miles, this has a northerly direction, thence take a road thru a pasture for about three miles on a westerly course which stub road ends at the Summit mines. This entire road is practical for trucking except during protracted rains; the entire distance from the International smelter to the Summit mine is about 102 miles, and it will cost about \$6. to \$7. per ton to truck the copper ores of the Summit to this smelter market.

MINE WORKINGS; Are not extensive and these largely in caved and filled condition. Two shafts sunk many years ago on the visible vein structure, are now only open for 10' or 15' below their original collars, the upper or most northerly shaft has sloughed off to now a round hole about 15' in diameter at its surface and as the vein matter here is shistose and rather soft, ore was not visible.

The next or Main Shaft is found about 80' Southwesterly from the 1st, shaft and a vertical distance lower of about 50'.

I beleive this Main Shaft has been sunk to a depth of more or less 100', as a considerable dump spreads just below its collar.

There is now in these dumps mixed ores and waste in all 200 tons to 300 tons and at past operating periods, higher grade ores to some unknown extent have been shipped, from out of this mine, all this mineral came ~~out~~ from some drift or stope below the present choke in this shaft workings.

VISIBLE ORE; On the Northeast end of the Main Shaft near the surface the vein has a total width of 5 to 6' and in this a paystreak of nearly 18" of copper quartz ore, this mineralization extends towards the 1st, shaft for several feet, before being capped by surface soil.

A sample taken of this paystreak at shaft collar gave

## SUMMIT MINE

Gold 2.12 Ozs. and Copper 9.44%. No doubt this was the character of the ore followed downward in this shaft.

As no other mine openings on this vein were available, it leaves no other course than to clean out this Main Shaft, and follow this attractive lead to determine its extent.

WORK REQUIRED; To muck and retimber this shaft say to 100' below its collar, will require the installation of a hoist of about 12 H.P. capacity, small headframe, ore buckets and a torpedo bucket or small pump to handle some water, 200' of tracking and ore car, together with 6"x 6" shaft sets and lagging.

These principal requirements and the labor to perform this work, will all cost in the neighborhood of \$4,000. to \$5,000. and until this shaft is cleaned out, it seems impractical to plan further mine development.

I am of the opinion that quite a few tons of this highgrade ore, as seen at the end and collar of this shaft, can be recovered by the re-habilitation of this shaft and any stopes or drifts therefrom.

As there is a thick growth of small timber and brush covering the probable course of this Summit vein, also several feet of detritus and soil, I was unable to see the immediate continuation of the lode structure and cropping and therefore cannot state as to its surface continuity.

However some open-cut work partly opened on the vein extending from the southwest lip of the shaft a distance of about 50' shows this shaft mineralization, and this indicates that the ores do extended southeasterly for some distance.

Early Ore Shipments; On performing the work as suggested in the foregoing paragraph, a small tonnage of the high-grade ore should be recovered, this would help in financing the cost of shaft rehabilitation and extend drifts along the vein, where the mineralization indicates the best ore area; . Due to the excellent grade of this ore, a mine of value can be opened with the limited expenditure suggested and a proper plan of further exploration be determined.

GEOLOGICAL FEATURES; . A body of white to gray limestone is seen immediately north of the Summit workings, the long axis of this lime body, being closely following the same course as the Summit vein, the strike of which is about South 21 degrees East; the vein gangue composed of schist and ferrigneous quartz where exposed, is of medium to soft texture, favorable towards mineral deposition.

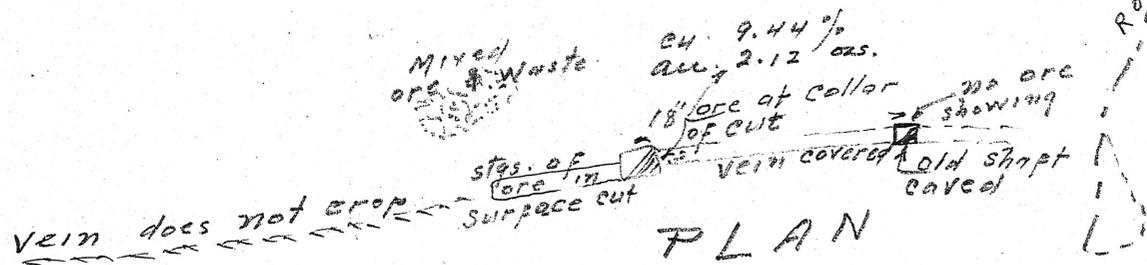
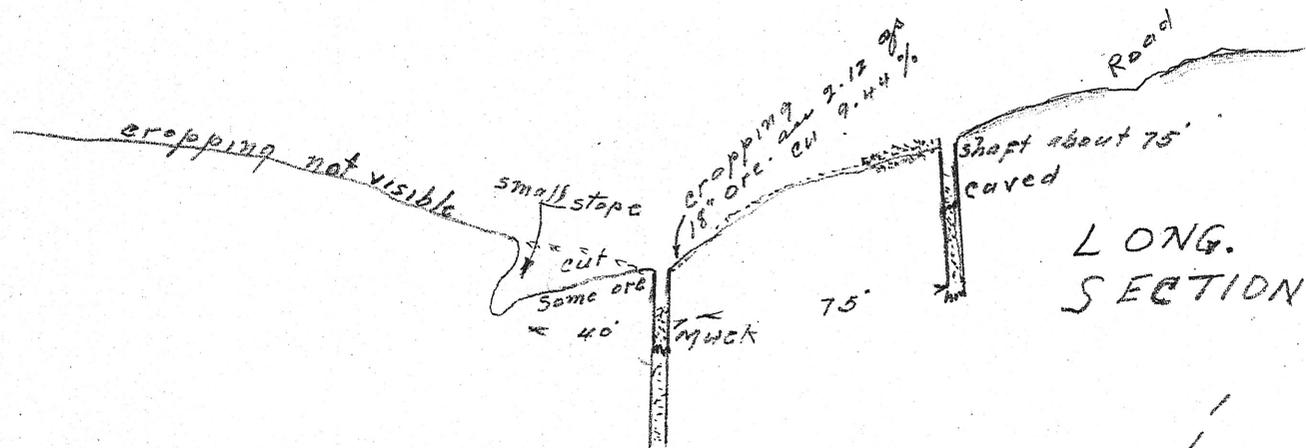
In conclusion beg to state the limited workings do not allow more definite forecasts, but a prospect of merit so far

SUMMIT MINE

is indicated by the small amount of surface work, and I reccomend that the work of the Main Shaft cleaning and repairs, should be made, in order that the splendid grade of ore as found at this main shaft collar, can be followed into its lateral and downward course.

A. Macfarlane, Field Engineer.

DEPARTMENT OF MINERAL RESOURCES  
 STATE OF ARIZONA  
 413 HOME BUILDERS BUILDING  
 128 N. 1ST AVENUE  
 PHOENIX, ARIZONA



Sketch "Plan and Long. Section" of

Thompson -- Summit Workings Feb. 1 1943  
 Green Valley Mining Dist. Payson, Ariz.

A. Maggiorani Field Engr. Notes.

approx. Scale 1" to 40'



tracking and ore car, together with 6" x 6" shaft sets and lagging.

These principal requirements and the labor to perform this work, will all cost in the neighborhood of \$4,000 to \$5,000 and until this shaft is cleaned out, it seems impractical to plan further mine development.

I am of the opinion that quite a few tons of this high grade ore as seen at the end and collar of this shaft, can be recovered by the re-habilitation of this shaft and any stopes or drifts therefrom.

As there is a thick growth of small timber and brush covering the probable course of this Summit vein, also several feet of detritus and soil, I was unable to see the immediate continuation of the lode structure and cropping and therefore cannot state as to its surface continuity.

However some open-cut work partly opened on the vein extending from the southwest lip of the shaft a distance of about 50' shows this shaft mineralization, and this indicates that the ores do extended southeasterly for some distance.

**EARLY ORE SHIPMENTS:** On performing the work as suggested in the foregoing paragraph, a small tonnage of the high-grade ore should be recovered, this would help in financing the cost of shaft rehabilitation and extend drifts along the vein, where the mineralization indicates the best ore area; due to the excellent grade of this ore, a mine of value can be opened with the limited expenditure suggested and a proper plan of further exploration be determined.

**GEOLOGICAL FEATURES:** A body of white to gray limestone is seen immediately north of the Summit workings, the long axis of this lime body, being closely following the same course as the Summit vein, the strike of which is about South 21 degrees East; the vein gangue composed of schist and ferrigneous quartz where exposed is of medium to soft texture, favorable towards mineral deposition.

In conclusion beg to state the limited workings do not allow more definite forecasts, but a prospect of merit so far as indicated by the small amount of surface work, and I recommend that the work of the Main Shaft cleaning and repairing should be made, in order that the splendid grade of ore as found at this main shaft collar, can be followed into its lateral and downward course.

A. Macfarlane  
Field Engineer

## REPORT

## Upon the patented Mining Claims

## of The

VERDE FALLS GOLD MINING CO.  
Gila County, Ariz.

The Sketch Map herewith shows the above mining properties to be located in a surveyed district in the neighborhood of the town of Payson, Gila County, Arizona. From the Survey numbers it is seen that the claims are among the first mining claims patented in the State:-- sometime early in the '80's;--since which time very little work has been done upon them other than the annual work and the surveying and patenting of the properties.

The passing of forty years has be-fogged much of the early history of these claims.

The district in which they are located is, however, somewhat remote from railroad facilities, this, however, is overcome by a well established line of truck which supply the requirements of this country. The town of Payson may be considered the proper point from which to visit the properties. It is situated 137 miles from Phoenix, and 96 miles from Globe; in a well-wooded and watered country.

The State Highway is at all times in wonderful conditions, being surfaced both from Phoenix and Globe and passing within a very short distance of the several groups of patented claims of the Verde Falls Gold Mining Co.

## GEOLOGICAL AND ECONOMIC CONDITIONS

Geologically the country is granitic; certain areas or zones being cut by a wide variety of gneissous rocks, with extensive dikes of a dark greenish black basic varieties. Sedimentary rocks, consisting of Cambrian red sandstone, overlain by (probable) Devonian dolomite, still rest unconformably upon wide areas of the primary rocks, but everywhere emphasize the tremendous faulting which the region has suffered by their degradation and change of level and dip. Economically, the conditions found in this region are vastly better than those common to Arizona; for throughout there are many fertile valleys (which doubtless gave the district name of Green Valley) running streams and other sources of water, wide spread soft and hardwood timber suitable for fuel, large pine forests from which sawed lumber is today obtainable at the mill for \$25.00 per M. and finally a vast cypress forest from which the best mine timbers can be obtained. Game is plentiful, with trout fishing excellent, and general living conditions much more agreeable than in many other parts of the state.

## EXAMINATION OF THE VARIOUS MINING CLAIMS

THE GOWAN

As noted on the sketch map, this claim is located in Section 34, Twp. 10 N. Range 9 East; its lower or southerly portion being crossed by the East Verde river. It stretches thus, N.W. by S.E. across the bottom of Verde Canyon, on the northerly side. The vein consists of two distinct portions; one consisting of quartz in which free gold is easily visible, and the other of an earthy, iron stained breccia; all lying between porphyry walls and dipping north-easterly at about 45 degrees;

the total thickness being from four to seven feet. An inclined shaft was first sunk on the vein to a depth of about 75 feet after which a vertical shaft was sunk to intersect the first near its bottom. The ore removed from the first shaft was milled, together with ore taken from the stopes which were carried to the surface from both sides of the shaft and for considerable distances.

Samples taken by the writer yielded as follows:

No. 1--Silver 0.20 oz. Gold 0.52 ozs. or \$10.60 per ton.  
No. 2--Silver 0.40 oz. Gold 0.70 ozs. or \$14.00 per ton.  
No. 3--Silver 0.20 oz. Gold 0.40 ozs. or \$8.00 per ton.  
No. 4--Silver 0.20 oz. Gold 0.84 ozs. or \$17.00 per ton.

Concentrates "25 into one" assayed \$204.00 gold per ton.

Just below the mine opening, and in the bank of the river, is located the old ten stamp mill, built by the Pacific Iron Works in 1878. The frame work is in excellent condition with the rock breaker, as well as the battery with its cam and drive shafts and pulleys in as good condition as when they were set up. In this mill was treated all of the ore mined in the Gowan, together with a large amount of ore from various other claims belonging to the company.

In considering these facts, it must be remembered that when this work was done-- forty years ago--these interested were gold miners from California, who were only interested in free gold available by the simplest milling processes; and that they were not only unprepared to recover such gold as might be locked up in iron sulphides (and therefore used no concentrators of any sort. Today conditions are vastly different, and I unhesitatingly advise the further development of this property. Incidentally, the old stopes are timbered with peeled cypress from local supply, and these timbers are as solid and sound as the day they were put in--forty years ago. This property is now under lease to B. G. Taylor and associates who are developing with the intention of shipping the selectious gold ore to the Globe smelter. Company reserves right of possession on demand.

#### THE SUMMIT

This claim is located in Section 16, Twp. 11N., Range 9 East, and is opened by two shafts, but a short distance below the zone of sedimentary rocks, or near the summit of a highly faulted area. The shaft is 90 feet deep, with drifts both ways upon the vein. The apparent truth of this statement is borne out by the size of the old dumps. The vein "contact between porphyry and granite" is fully six feet in thickness. The strike of this vein corresponds with the N.W.--S.E. ore zone extending for miles below. The ore from this property was never milled by the early day miners on account of its copper content but was stocked for future shipment when transportation was made possible. A shipment of this ore was made by J. I. Coleman in 1916 who sorted the ore dump. Two cars of gold-copper ore were shipped to the Globe Smelter; returns from which, made it possible for the Coleman to install an ice plant at Ray, Arizona.

To get some idea of what the mine had yielded, two samples were taken;--No. 1 consisting of a number of remaining pieces of cupriferous quartzose material, and No. 2 consisting of a large general sample of fine stuff, such as constituted the bulk of the sorted ore-dump.

Upon assay they yielded as follows:-

No. 1--Silver--0.60 oz. Gold--2.264 oz. Copper--9.79% in which the gold and silver values are \$46.79 per ton.

No. 2--Silver--0.50 oz. Gold--0.50 oz. Copper--4.22% in which the gold and silver values are \$11.16 per ton.

Without consideration of the selected sample (although its promise is quite significant) one cannot avoid the idea that the material composing the abandoned ore residue would today, constitute a very valuable asset. There is no less than 600 tons of this sorted material in the dump at the present time.

The vein is at least from four to six feet in thickness, and float ore is found for a long distance down the south-easterly slope of the country. I certainly recommend the proper development of this claim, as constituting an enterprise of great promise.

#### THE CONTACT GROUP

This group consisting of four contiguous claims, (Contact, Connection No. 1, Connection No. II, and Long Tonto) is located in the southern part of Sec. 16, Twp, II N. Range 9 East. The area covered by the claims presents a picture of unusual interest, and offers geological and mineralogical data promising ore deposits of great size and value. On the northerly edge of the area the ground slopes abruptly into a wide canyon, whose northern wall rises quite as abruptly to the undisturbed sedimentary rocks above; and a somewhat similar condition occurs on the westerly edge of the area. From the surface of the plateau on which the claims are located the sedimentary rocks are gone, and surface examination shows a remarkable series of rock-bands or zones all striking north-westerly. On the west side is found a thick bank of finely laminated schist, rather light colored.

East of and adjoining this appears a strong igneous dike of from 12 to 20 feet in thickness, of a dark green rock, probably diabase; next comes a thick band of intrusive monzonite at least 60 feet thick; then a great bank of so-called "bull quartz", apparently barren, outcropping in several great bunches; east of this comes a zone of typical "gossan" or "iron hat" 30 feet thick or more; then another huge diorite or diabase dike. A number of ancient prospect holes are found in the gossan; one at least which must have been sunk to a depth of 30 or 40 feet; as evidenced by the dump, but none showing evidence of having gone through the gossan into solid material. Two shallow shafts were also sunk in the first green dike; all doubtless in search for gold ore. Although copper stain is generally apparent, it may be supposed that no gold ores were found of sufficient value to warrant the necessary long haul. In the gossan itself one could scarcely expect to find more than traces of the metals, since it is very thoroughly oxidized and leached. However, samples were taken from both dike and gossan, with the following results:-

No. 1--Six foot pit on dike.	Gold--0.10	Silver--0.50 oz.	Copper 1.48%
No. 2--40 " " " "	" 0.032	" 0.60 "	" 2.10%
No. 3--North Outcrop"	" 0.224	" 0.30 "	" 3.55%
No. 4--Brown iron Gossan	" 0.624	" 1.00 "	" 0.54%
No. 5--Selecte	" 1.54	" 1.00 "	" 2.30%

Here is a mineralized zone of some hundreds of feet in thickness and a distinct length of at least one thousand feet which offers the most interesting possibilities. While the surface facies of the schist-band shows no signs of valuable mineralization, it is of course possible that its unaltered parts may develop valuable ore deposits. The dike shows constant values in gold, silver, and copper, and any considerable body of this rock containing such amounts of those metals as are found in sample (4) could be readily handled by a very simple flotation process, from which the concentrate might even be locally roasted and matted in reverberatory furnaces. Unless the surface indications are most untruthful, the possible value to be found in the schists and the first dike, constitute but a small part of the mineral values which may be expected as a function of development; for, no matter whether or not the big quartz vein may be found to contain values per se, or whether it be the resultant of the primary metal carrier (as seems to be so frequently the case) one cannot doubt but that the great gossan band next to it on the east gives abundant promise of a great mineral deposit below. The highly ferroginous character of this gossan indicates the former existence of a heavily pyritic vein, and the fact that, after ages of oxidation and progressive leaching, it now shows gold, silver and copper (as shown in the results from sample No. 4) offers very promising indications of what may be found in the unaltered sulphides below. This whole series of rock bands may be prospected by diamond drilling; best probably from the western ravine; from which it might easily be cross-cut at satisfactory depth by a series of drill holes.

#### THE LIBERTY

This claim is located in the southern portion of Sec. 27, Twp, 11 N. of Range 9 East. Near the crest of the hill, and just below the remaining sedimentary rocks, there is an old shaft, in bad repair. The ore is an iron stained, honey combed quartz with an average width of six feet. A grab sample gave \$8.00 gold per ton. Further down the hill are several other opening, nearly obliterated by the flight of time, but all showing ore which should develop commercially; these are small, ranging from one to three feet in thickness. It is a matter of hearsay that a considerable tonnage of good gold ore was taken from this Liberty claim and milled in the Gowan mill: This being apparently true taking into consideration the size of the dumps as compared with amount of development work performed.

#### THE EXCURSION

This claim is located south-westerly from Payson, in Sec. 27, Twp. 10 N. of Range 9 East. It shows a strong quartz vein of about six feet in thickness, striking N.W.S.E. and lying between porphyry or highly altered granite walls. Development work consists of a nearly vertical shaft to a depth of one hundred forty feet. All material hoisted is ore and still remains on the ground where it can be easily sampled before delivery to a mill. From its appearance the ore should be somewhat more valuable than is indicated by the result (below) of the sample taken:--Gold--0.60 oz. Silver--2.50 oz. Copper--4.21%. Both iron and copper sulphides have been encountered in the shaft; thus proving the impossibility of treatment by the early day miner.

#### THE DELAWARE

This claim lies some four miles south-easterly from Payson in Sec. 13 Twp. 10 N. of Range 10 East. It contains a gold vein, about four feet thick; over half of

which carries very good values, as per the following assays:--

Silver--1.10 oz. Gold--0.92 oz. Value \$19.01.

This claim is under lease to Mr. Pettingill of Globe who has equipped the property with hoist, bunk house and shop.

#### CONCLUSION

Among the first descriptive items given the writer concerning the mining properties or seven groups described in this report, one fact was salient--they were quite remote from ordinary travel routes, and difficult of access to a certain extent; while one bit of possible hearsay had a sort of gossipy value in favor of the property--that they had been examined by Mr. Treadwell, who advised Senator Clark to take them in place of the United Verde.

Disregarding the hearsay, the conditions of remoteness and difficult access seemed to, at least partially, offset the rather negative history of an idleness of forty years. The fact that the groups, seven in number, were included in the highly mineralized zone, extending north-westerly through Nevada and south-easterly into Old Mexico covering most of Arizona's big mines, seemed to offer possibilities of valuable discoveries; these possibilities being supplemented in value by the report of abundant water-supply and abundant timber for fuel and mine uses.

I feel quite certain that no engineer had seen these properties in many years previous to my first visit in 1916, and I will state that the rather faint hope of the discovery of something worth while, which I entertained upon starting out, was changed to an interest closely approaching enthusiasm by what I saw. I not only found the gold values to be better and more persistent than I had expected to find them, but I found out the real reason for the unfortunate shut down of operations by the early day operators: This on account of having encountered the semi-sulphide zone where the greater part of the gold was locked up in the pyrite thus, causing a loss which could not be overcome, since in those days ore dressing was in its infancy; this, however, has at the present time been absolutely overcome by table concentration and flotation. In a region less abundantly mineralized any of the groups covered in this report would be sufficiently interesting to warrant development; but I cannot help being particularly struck with the great promise of the Gowan, the Contact Group and the Summit claim. Of these, the Gowan and the Summit must doubtless be opened up in the usual manner, by shafts and drifts; but, in case of the Contact, it is probable that sufficient initial development can be performed by diamond-drilling, and without serious expense; and I shall be greatly disappointed if such development does not open up very large and valuable ore-bodies.

With hydro-electric power available by harnessing the waters of the East Verde river, which flows directly across three of our groups, a large item of expense would be reduced to the minimum. I believe any power necessary could be developed by utilizing the power sites available.

This mining enterprise looks to me like a sure winner if properly developed under efficient management with sufficient capital. The Company is capitalized 1,600,000 shares with a per value of one dollar per share. There has been 500,000 shares issued; this in payment for the property and necessary expense

during the last twenty-one years; thus leaving in the treasury 1,100,000 shares to be offered for promotion purposes.

Respectfully submitted,

F. C. Smith, M.E.

COPY

*AM*

**DEPARTMENT OF MINERAL RESOURCES**  
**STATE OF ARIZONA**  
**FIELD ENGINEERS REPORT**

Mine Summit Copper

Date Nov 29th 1945

District Payson, Gila Co.

Engineer A. C. Nebeker

Subject: Operations;



This property is a closed corporation of nine stock holders and Mr Thompson Mgr of operations.

The property is 6 miles northwest of Payson and at the end of a fairly good road.

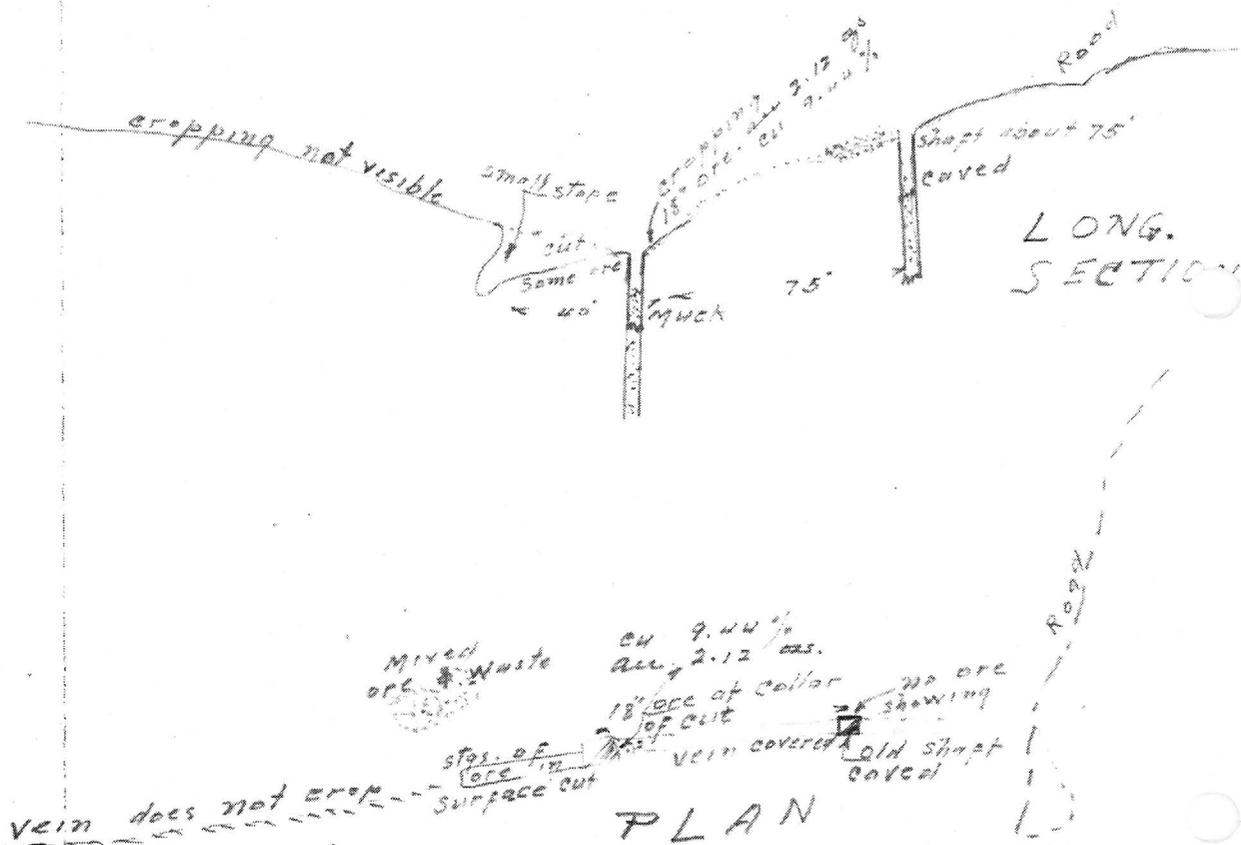
The property is equiped with the usual mining equipment ~~with~~ houses to accomodate most of the men, six of which are working at this time, three of them being indians.

The work going on at this time is shaft sinking below the 65 ft level. The shaft is an incline of 80 degrees.

On the 65 ft level 450 feet of drifts and crosscuts have been driven along a fractured zone and several places in this work very high grade copper ore has been exposed but not yet developed. The work has been confined to following the fault zone between diorite and granite walls.

No water yet developed in the mine but can be expected.

DEPARTMENT OF MINERAL RESOURCES  
 STATE OF ARIZONA  
 413 HOME BUILDERS BUILDING  
 128 N. 1ST AVENUE  
 PHOENIX, ARIZONA



Sketch "Plan" and Long. Section" of  
 Thompson -- Summit Workings Feb. 1 1943  
 Green Valley Mining Dist. Poyson, Ariz.  
 A. Macfarlane Field Engr. Notes.  
 approx. Scale 1" to 40'

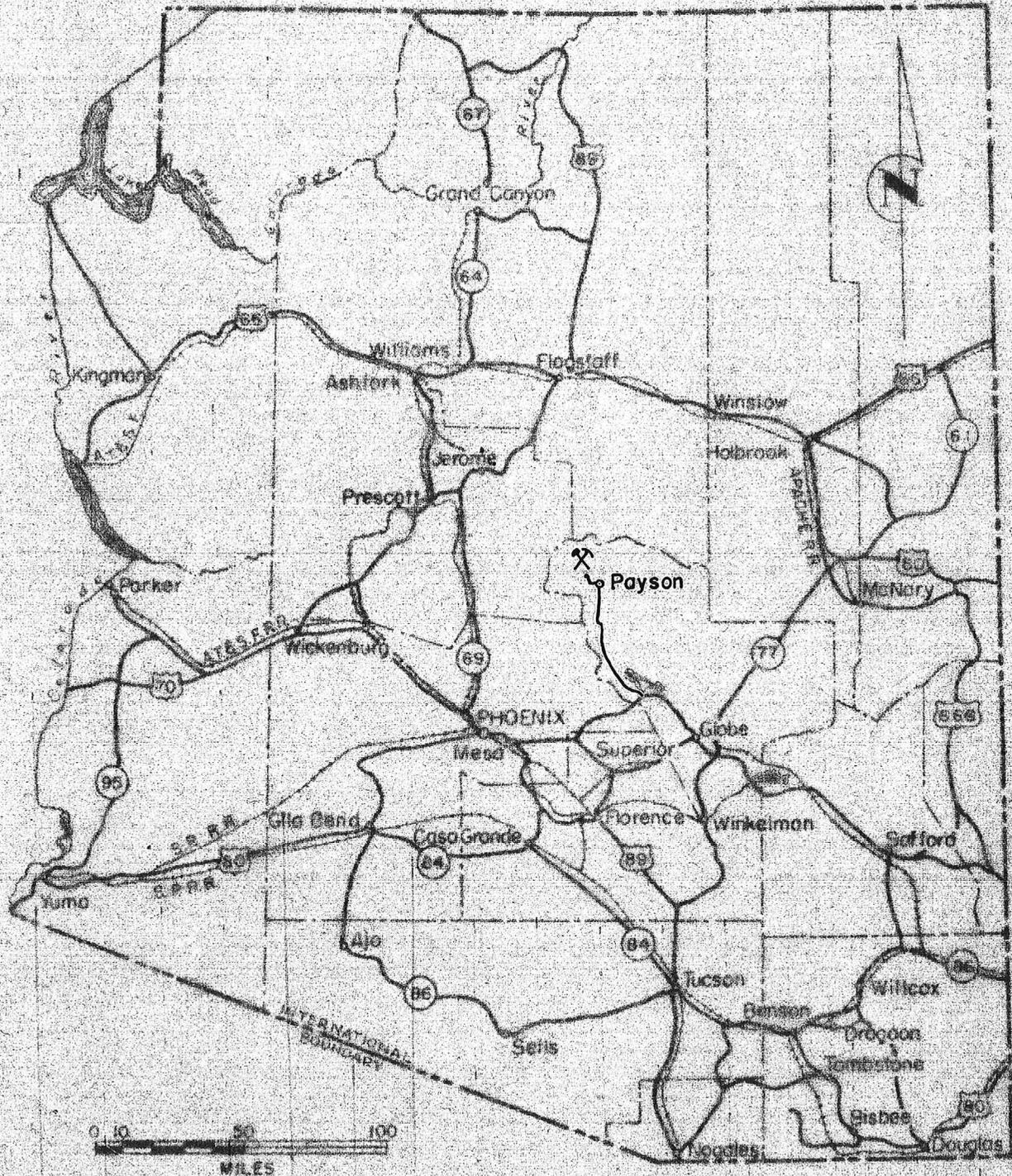


FIGURE 1  
 LOCATION MAP  
 DMPA 2706  
 SUMMIT COPPER MINES, INC.  
 GILA COUNTY, PAYSON, ARIZONA

Summary

SUPPLEMENTARY REPORT  
UPON THE PROPERTIES OF  
THE VERDE FALLS GOLD MINING CO.

Dec. 4th/30

My original Report upon the Verde Falls Gold Mining Company was made some ten years ago; since which time I have kept quite thoroughly posted upon all items of progress, and upon all general and particular conditions. A very considerable amount of work has been done, during this time, for the general betterment of conditions (such as somewhat wide-spread development of a sort; great improvement of roads etc.) but, in a case where the various claims are so scattered, the changes worked are not readily visible.

I may say that all items of test have only served to confirm, and even to better, my former opinion as to the very great prospective value of these claims, and a few of them I shall enumerate below.

The possibility of railroad development which might serve these properties has, since the time of my former report, been temporarily abandoned, doubtless by reason changes of policy and conditions; so that, so far as I know, no railroad construction is to be expected at any early date. The vastly improved condition of the wagon-roads, however, together with the wonderful strides made in motor-truck transportation, make this a matter of relatively small importance.

When the first work was done (now nearly fifty years ago) upon these mines, it must be remembered that the old-timers who located and worked the claims, and who finally patented them and left them-- never to return--were hampered in many ways;--by the almost utter lack of roads (which made it difficult to bring in supplies of all kinds, and equally difficult to ship anything out) by insufficient <sup>and</sup> inadequate machinery (whereb they lacked pumps and also any sort of concentrating machinery) and, finally, by very different markets for metals from those existent today. Emphasis must also be laid upon the fact that these old-time miners were gold miners pure and

simple, and knew (or probably cared) very little indeed about the copper which was so widely present on all the claims, and which, indeed may one day exhibit the major values of the whole group.

In probably every case (such as can now be discerned in the area of the Gowan and Summit) it is most probable that, after a short depth below the oxidized surface zones, the gold became, in large part, so mixed with sulphides of copper and iron as to become much less easily amalgamable with mercury, which was the only process then in use for its saving.

In the case of the Gowan ores, the level of the East Verde River was reached at a depth of about 70 feet from surface, and below this water-level it is an important fact that, no matter what reasonable gold content might be found in the ore, they not only had no adequate means of saving it from its mixture with copper and iron sulphides, but they had no pumps with which to remove sufficient water to permit mining operations. It is an important and favorable condition, however, that they did mine down to the water level, and they did stope to surface on both sides of the shaft, and all of this dirt they did mill; presumably at a profit. Since they left--un-mined and un-milled--the two feet of hanging-wall breccia (which gave me an assay of about \$11.00 per ton) it seems likely that the pure quartz which they did mine and mill must have assayed considerably higher; thus establishing a very probable condition that the continuation of the quartz vein in depth may carry good values; and values which will not be decreased by their sulphide contents under the present-day methods of milling, but will increase them.

The same reasoning may well also apply to the Summit. With reference to the great losses attendant upon the former lack of concentration, about the only available method consisted in taking a sample of the old mill-tails at the Gowan Mill, and concentrating the same, with subsequent assay of the concentrate. These tails were, naturally, much more completely oxidized by the passage of 40 years, and the weights taken and concentrated by hand (panned) made

only an estimate possible; but at the same time, they conclusively show what a valuable product had formerly been wasted (and from a presumably oxidized gold ore) which could, today, be certainly saved. The assay of the concentrate was as follows:--

<u>Silver</u>	<u>Gold</u>	<u>Value per ton.</u>
0.7, oz. per ton.	8.43 oz. per ton.	\$174.36

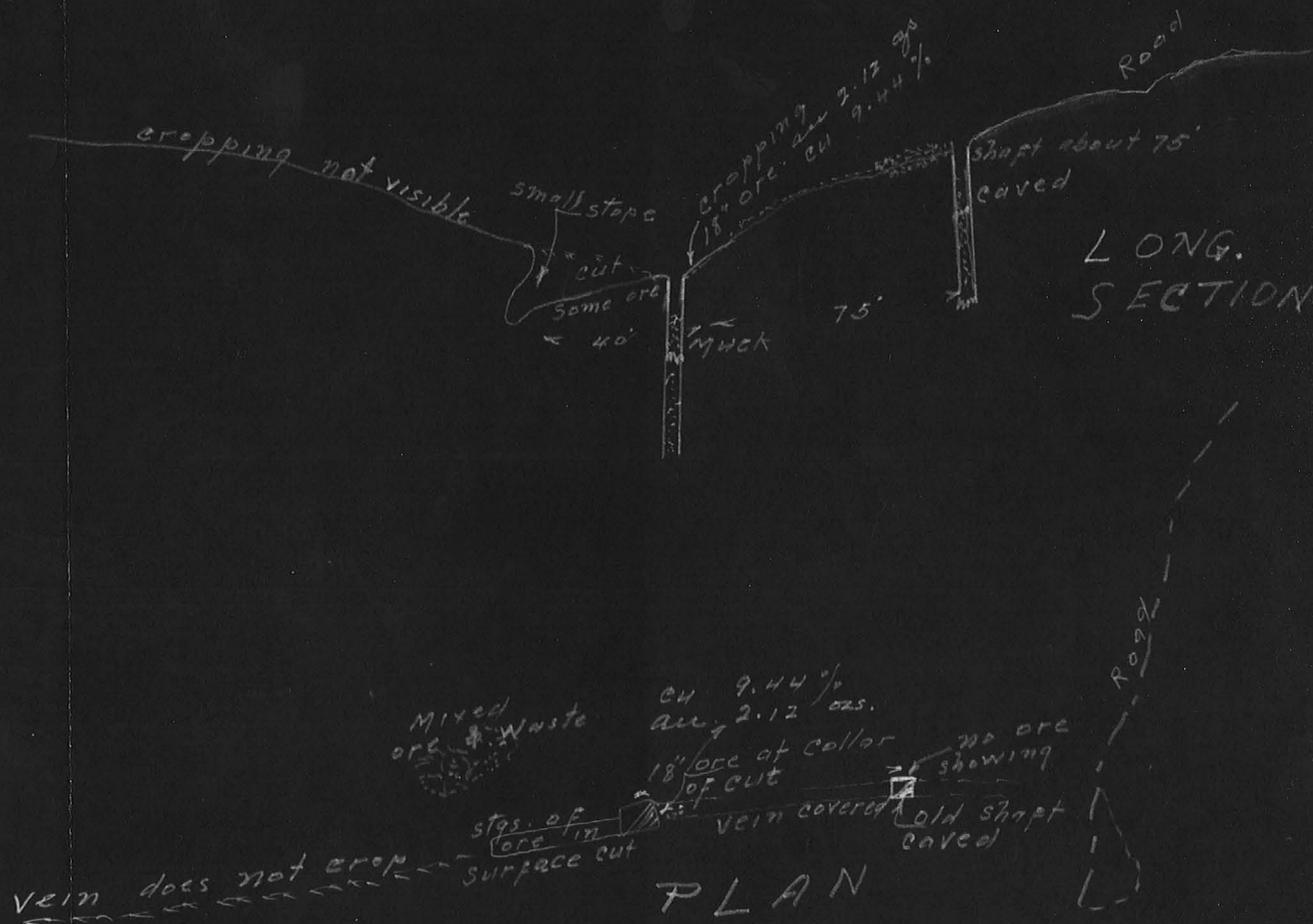
One claim, The American, which lies about one mile from the Gowan--was not included in my former report, since it was then under bond and lease to Mr. Cl McFarland. It is now shown on the new map herewith. At the time Mr. McFarland took it over, the opening on the property showed a gold bearing vein of about eight feet in thickness, which yielded on assay very good gold values. He installed a small free-gold mill, and did a considerable amount of development (exposing several veins or stringers in a quartz-porphry matrix; one of them approximating four feet in thickness) but he found, at a small distance below the surface oxidation, the same old story iron sulphides, which made amalgamation difficult; so, not being able to install concentrators, the property came back to the Company. A rough general assay recently gave \$15.00 per ton in gold.

In conclusion I would say that my high opinion of these properties has been only increased by the passage of nine years. As indicated in my former report, I was deeply impressed by the possibilities of the Contact Group as a function of development in depth of its great sulphide deposit. It seems to me unavoidable, that when development of this group and other claims has been made, there will be "a world of ore" available which will supply a modern flotation mill with material for an exceedingly profitable copper-gold concentrate, which may be further concentrated to a matte - or shipped by truck to custom-smelter as may be found desirable.

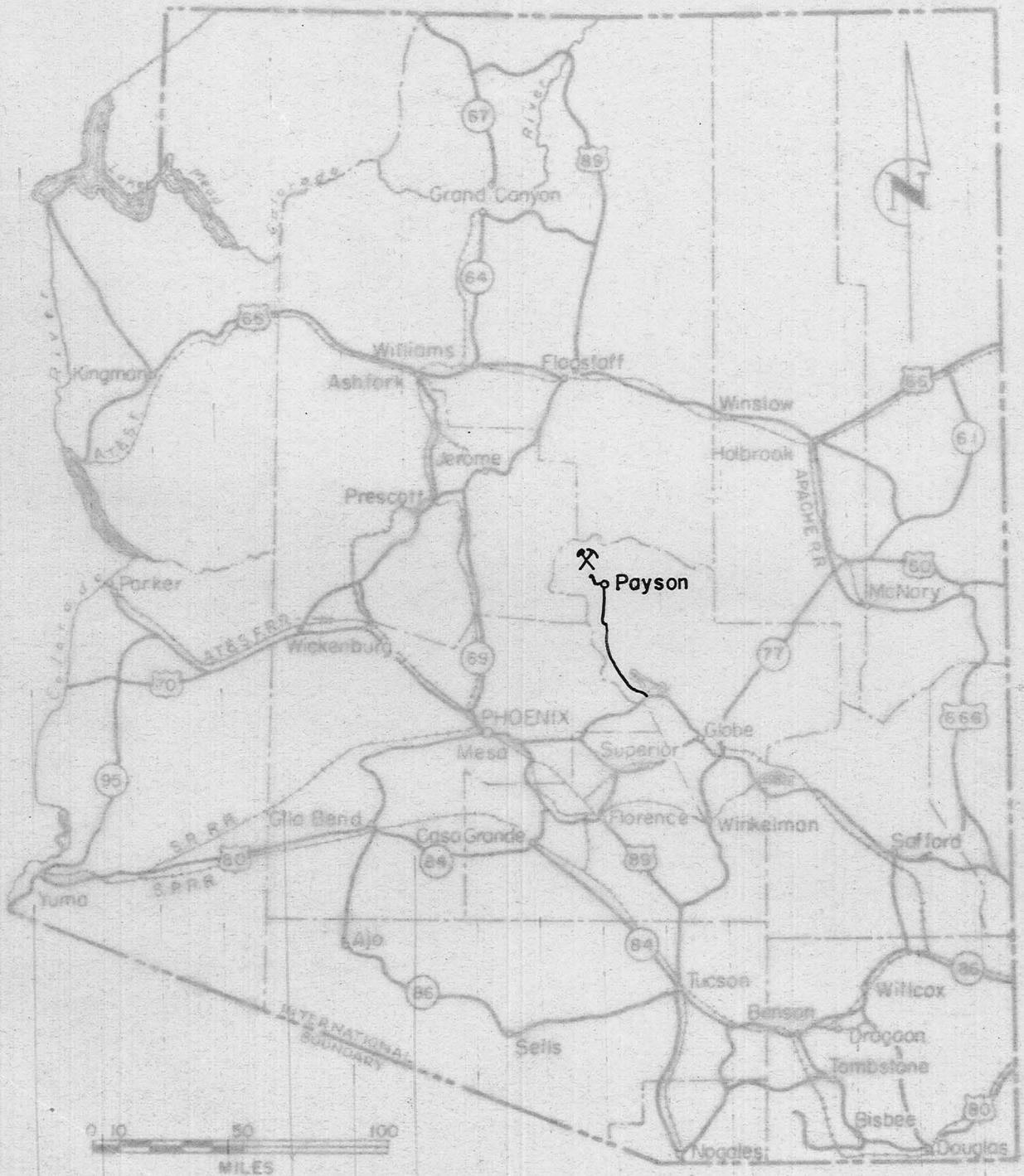
With electric power now available (and possibly at least 100 H.P. available from local water-fall) with abundant timber for mining and enough for ordinary fuel consumption, the enterprise looks to me like a sure winner, if backed by sufficient capital.

Yours truly,

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
413 HOME BUILDERS BUILDING  
128 N. 1ST AVENUE  
PHOENIX, ARIZONA



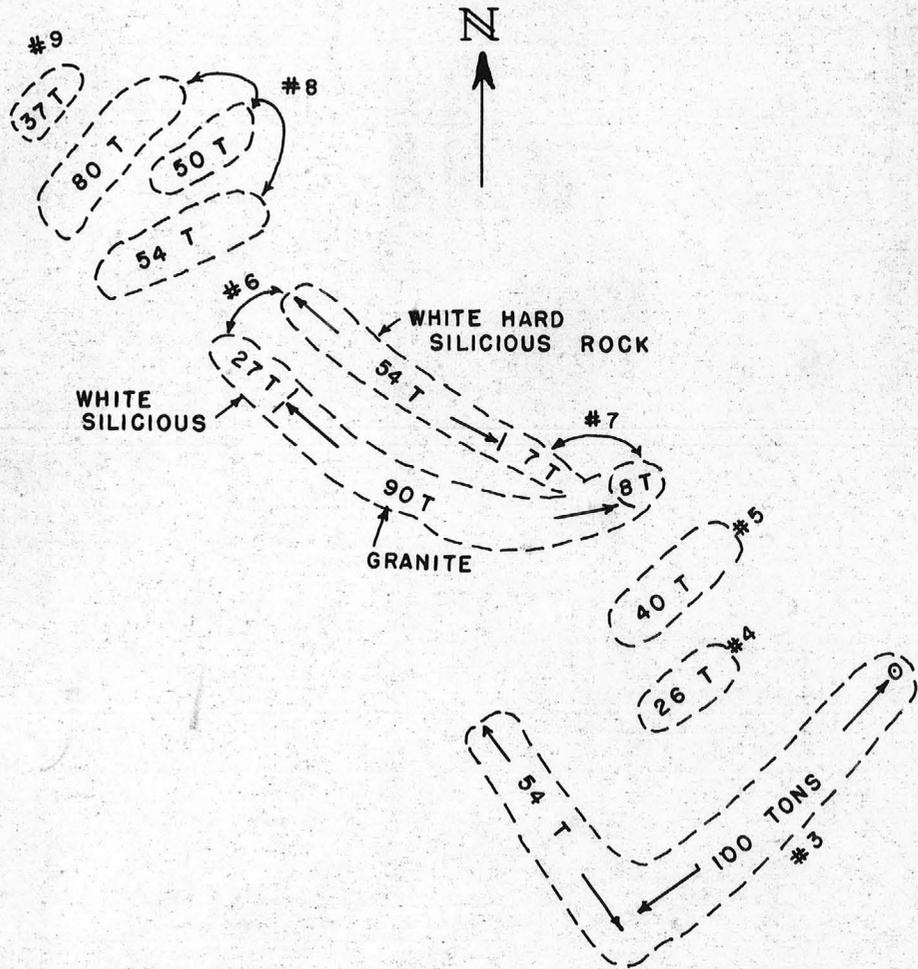
Sketch "Plan and Long. Section" of  
Thompson -- Summit Workings Feb. 1 1943  
Green Valley Mining Dist. Payson, Ariz.  
A. Macfarlane Field Engr. Notes.  
approx. Scale 1" to 40'



**FIGURE 1  
LOCATION MAP**

**DMPA 2706**

**SUMMIT COPPER MINES, INC.  
GILA COUNTY, PAYSON, ARIZONA**



EXAMINERS' SAMPLES

Nov. 6, 1952

Sample No.	% Cu	Au Oz./Ton
3	0.12	Tr.
4	0.01	Tr.
5	0.01	0.01
6	0.01	Tr.
7	0.01	Tr.
8	0.01	Tr.
9	0.01	0.01

FIGURE 3  
DMPA 2706

SUMMIT COPPER MINES, INC.  
ORE DUMPS

GREEN VALLEY MINING DISTRICT  
GILA COUNTY, PAYSON, ARIZONA

Scale 1 inch = 20 feet

EXAMINERS' SAMPLES

Nov. 6, 1952

Sample No.	% Cu	Au Oz./Ton
1	0.27	0.02
2	0.13	0.03
10	0.01	0.01
11	0.42	0.10
12	0.27	0.40
13	0.12	0.02

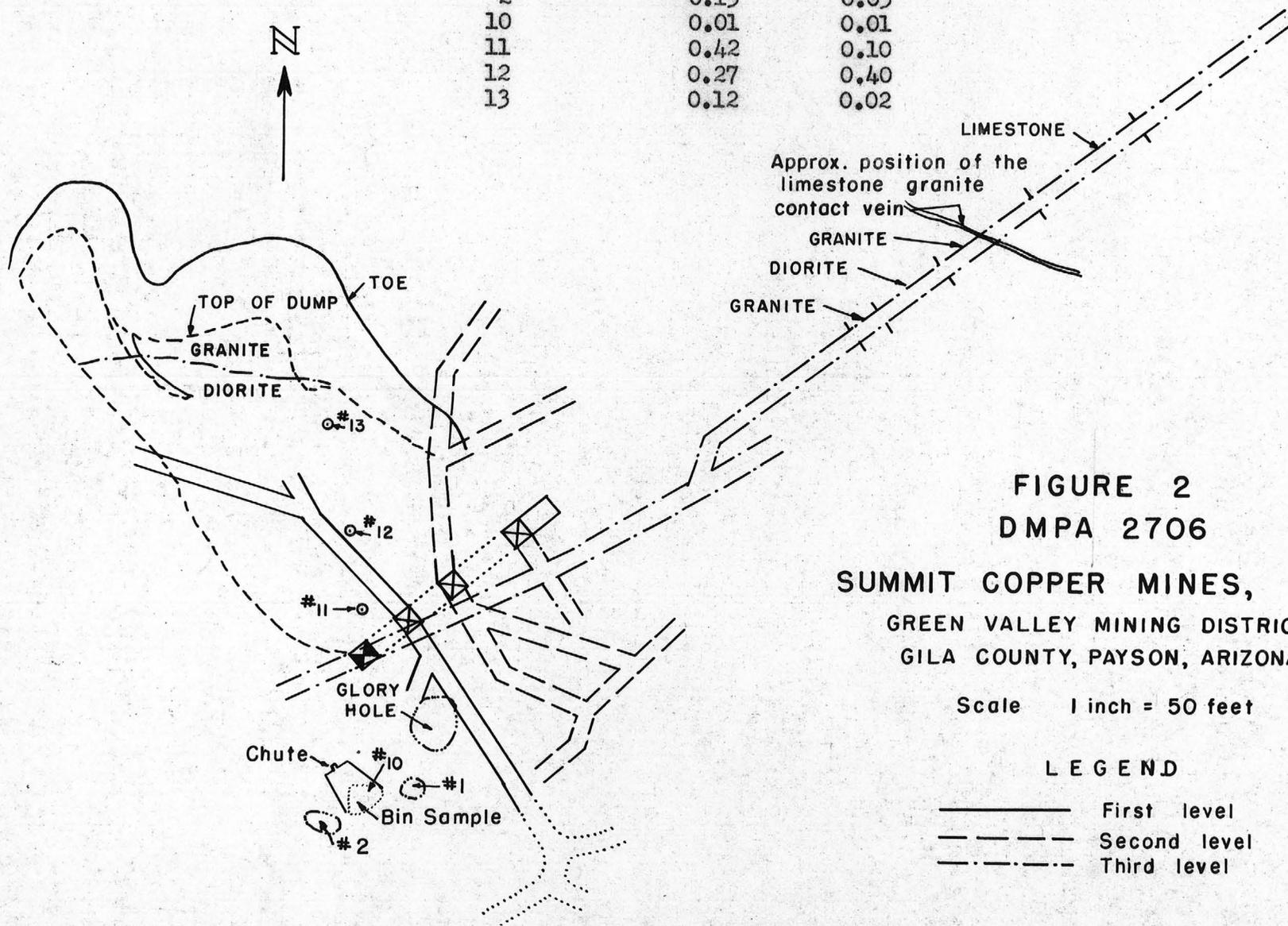


FIGURE 2  
DMPA 2706

SUMMIT COPPER MINES, INC.

GREEN VALLEY MINING DISTRICT  
GILA COUNTY, PAYSON, ARIZONA

Scale 1 inch = 50 feet

LEGEND

- First level
- - - Second level
- · - · - Third level

11N-9E-[x]