



CONTACT INFORMATION
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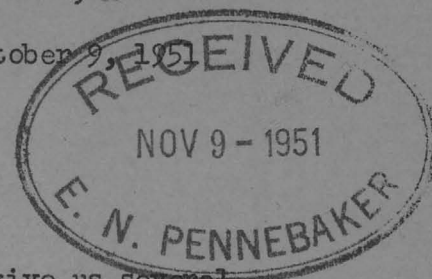
QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

FROM Frank Sharp, Exploration Superintendent
TO E. N. Pennebaker, Consulting Geologist
SUBJECT REPORT ON "QUEEN CREEK COPPER COMPANY AT SUPERIOR,
PIONEER MINING DISTRICT, PINAL COUNTY, ARIZONA."

CITY Safford, Arizona

DATE October 9, 1951

Summary:

The history and geology of the Magma Copper Company give us several salient facts about the district; (1) The best producing veins are replacements in crushed wall rocks within two fault zones of the east-west pre-mineral fault system, (2) the ore bodies are directly related to the diabase, (3) the ore bodies do not apex at the surface, (4) supergene enrichment is important above 800 level and (5) there are replacement deposits in the limestone beds which Magma is now developing.

In the area covered by the Queen Creek Copper Company's property, as shown on the accompanying Geological and Claim Map, there are numerous east-west faults; whether they are pre-mineral would have to be determined. The rock types are the same as in the Magma area, and there are some strongly mineralized beds or faults in the limestones striking northerly and southerly.

An exploration program on the property would necessarily involve a long period of time, as a great deal of geological study would need to be done and any drilling would require deep holes.

The property warrants some more preliminary examination and investigation.

Location and Owners:

The Queen Creek Copper Company's property is located in the Pioneer Mining District, Pinal County, Arizona. It is just south of the town of Superior, Arizona, and the major part of it is contiguous to and east of the Ray-Superior highway. It consists of five patented mining claims, 25 unpatented mining claims, and 3 unpatented mining claims in which they own half interest. The fourteen eastern most claims shown on the accompanying map were dropped in 1951. The property is divided in the middle by four patented claims belonging to the Davidson group.

The Magma Copper Company's claims are to the north and contiguous to the Queen Creek Copper Co. A property line has been arbitrated between the two companies. This arbitrated line is shown on the accompanying map. To the south is the Belmont and Arizona-Hancock groups and the Superior Ray group to the west.

The company is incorporated with the major stock holders being two estates in Scotland. Mr. H. T. Cuthbert of Phoenix represents these estates. Magma Copper Company holds some stock in the company.

Geology:

The geology of the Superior District is covered in Bulletin No. 540 - D U. S. Geological Survey and in Bulletin No. 151 Arizona Bureau of Mines Geological Series No. 16.

FROM Frank Sharp, Exploration Superintendent CITY Safford, Arizona

TO E. N. Pennebaker, Consulting Geologist DATE October 9, 1951

SUBJECT REPORT ON "QUEEN CREEK COPPER COMPANY AT SUPERIOR,
PIONEER MINING DISTRICT, PINAL COUNTY, ARIZONA.

The generalized geologic column of the Superior mining area is as follows (descending):

- (1) Dacite / 1200 feet
- (2) Naco limestone / 1200 feet
- (3) Escabrosa limestone 420 feet
- (4) Martin limestone 340 feet
- (5) Troy quartzite 425 feet
- (6) Diabase

(7) Mescal limestone 225 feet, in places overlain by basalt which is 80 to 220 feet thick.

- (8) Dripping Spring quartzite 820 feet
- (9) Barnes conglomerate 15 feet
- (10) Pioneer shale 230 feet
- (11) Scalon conglomerate 0 - 15'
- (12) Pinal schist

Fault Systems:

There are two major fault systems in the district, the pre-ore east-west faults related to the Central Arizona batholith and the northwesterly - south-easterly post-ore faults following or contemporaneous with the deposition of the dacite conglomerate. There are post-ore faults that trend east and west, also, and it is hard to distinguish pre-ore from post-ore movement. Many of the outcrops of the pre-ore faults show silica and manganese mineralization.

General:

(1) The main producer in the district is the Magma mine, the ore bodies of which are replacements in crushed wall rocks within two fault zones on an east-west fault system. The outcrops of the main ore body are inconspicuous, being a bleached and faulted porphyry dike stained by copper oxide and iron minerals with local small masses of residual chalcocite. The main ore body apexes at about the 400 level and is bunchy to the 900 level. From the 900 level down it is more continuous. It pitches west and is about at right angles to the sedimentary beds. This ore body has a definite relation to the diabase, in which the walls are sharply defined and the ore body more continuous. In the Pinal schist the walls are indistinct and the ore body is split, occurring in lenses oriented at random.

FROM Frank Sharp, Exploration Superintendent

CITY Safford, Arizona

TO E. N. Pennebaker, Consulting Geologist

DATE October 9, 1951

SUBJECT REPORT ON "QUEEN CREEK COPPER COMPANY AT SUPERIOR,
PIONEER MINING DISTRICT, PINAL COUNTY, ARIZONA.

In Magma Copper Company annual reports of 1949 and 1950 it is reported that workings on 3000 level have crosscut one limestone bed averaging 6.2% copper over a thickness of 23.5 feet. They drifted on this bed for 146 feet, and the replacement averaged 11.6 feet thick with assays of 4.45% copper, 0.44 oz. silver and 0.01 oz. gold. Diamond drill holes cut this bed 40 feet south of the drift and showed 27.4 feet assaying 5.45% copper and 0.88 oz. silver. A raise driven from the 3000 to 2550 foot level intersected these same beds for 26.8 feet assaying 9.70% copper.

No reference is given in the annual reports as to which limestone this bed was encountered in. By correlation of the position of the raise given on the vertical projection in back of the 1950 annual report with the vertical projection on Plat 11 of the Arizona Bulletin No. 151, it appears that it is probably in the Devonian Martin limestone.

Development:

The major development is the Queen Creek incline shaft 814 feet deep, which was sunk on the L. S. & A beds on the Troy quartzite - Martin limestone contact zone. These beds are from 8 to 15 feet in thickness and have a very strong iron oxide outcrop and in places show some copper carbonates. This shaft is now inaccessible. The development from the 617 foot level is described in Van Dyne Howbert's report of August 24, 1923, from which I quote:

"On the 617 foot level a drift was carried to the south. At about 25 feet from the shaft the first east-west fissure was struck and drifted on to the west for about 50 feet. It shows little mineralization.

Further to the south a second east-west fissure is cut, the main drift turning to the east on it and a drift going in west until the quartzite is encountered. Where the fracture enters the quartzite it shows a width of three feet of crushed, iron-stained rock. In the main drift to the east the fissure shows a very leached condition. At one point a winze was sunk on it for about twenty feet, where, it is said, a five-inch streak was opened up which ran as high as 90 ozs. silver. Just beyond this winze a northeast-southwest post-mineral fault throws the vein some few feet to the north. From here to the face the vein shows a width of two to three feet of leached material. It is claimed that in this section there was a nine-inch streak in the floor of the drift which ran 45 ozs. silver and 20% lead.

Just before the above drift reaches the winze a cross-cut is driven to the south, crosses a dike, and eventually strikes a small east-west fault fissure. The face at this point shows a contact between porphyry and sedimentaries, and the condition of the contact and fault plane is highly leached."

In the Big Ledge claim a 160-foot shaft has been sunk in recent years. Judging from the rocks on the dump, the bottom of the shaft was still in oxidized material which was principally heavy manganese and iron oxide. The other development on the Big Ledge and Legal Tender claims is small cuts, shafts and surface stopes on east-west and north-south faults.

FROM Frank Sharp, Exploration Superintendent

CITY Safford, Arizona

TO E. N. Pennebaker, Consulting Geologist

DATE October 9, 1951

SUBJECT REPORT ON "QUEEN CREEK COPPER COMPANY AT SUPERIOR,
PIONEER MINING DISTRICT, PINAL COUNTY, ARIZONA.

The outcrops adjacent to the small cuts, shafts and surface stopes are mostly black in color and have a very high manganese and iron oxide content.

An area on the Rube claim where three diamond drill holes have been drilled, was not visited. Van Dyne Howbert and Ira B. Joralemon report that one of the above mentioned holes was a shallow hole and cut oxidized material in the vein. The other two holes were deeper and did not intersect the vein, this was probably due to the vein being reversed in dip at their projected intersections.

A reconnaissance trip was made from the Belmont mine area through the Big Ledge, Horn Silver and Legal Tender claims, then down across the Link, Main No. 2 and Gold Crown No. 2 claims to the incline shaft.

A strong north-south mineralized zone in the Escabrosa (?) limestone was followed most all the way through the Big Ledge Claim. This zone was cut in numerous places by east-west south dipping fault zones. The outcrops of these faults were mostly manganese and iron oxides.

There are numerous east-west fault zones in this area as indicated on the Bureau geologic map.

Conclusions:

This property adjacent and contiguous to the Magma Copper Company's property has a great deal of merit and deserves further investigation. It has the same geologic structure, the same rock types and also, in some instances, the same type outcrops.

The fact that the ore bodies do not apex at the surface has probably been the main controlling factor why this property has never been developed. This fact also makes an exploration program complicated in that it would necessitate an intensified geological study to determine where to drill, and any drilling done would be to find small hidden targets at great depths.

JFS/ jmh

CC: Mr. A. J. O'Connor

Mr. Thomas G. Moore

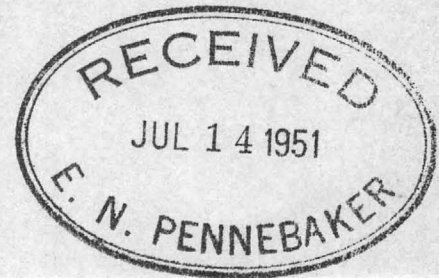
HUGH T. CUTHBERT, C. P. A.
CHARTERED ACCOUNTANT
EDINBURGH 1904
MEMBER AMERICAN INSTITUTE
OF ACCOUNTANTS

Cuthbert, Johnson & Co.
CERTIFIED PUBLIC ACCOUNTANTS

*Heard Building
Phoenix, Arizona*

July 13, 1951

G. WESLEY JOHNSON, C. P. A.
MEMBER AMERICAN INSTITUTE
OF ACCOUNTANTS



Mr. E. N. Pennebaker
Consulting Geologist
P. O. Box 817
Scottsdale, Arizona

Dear Mr. Pennebaker:

I have just returned from Jerome, Arizona and find your letter of July 10.

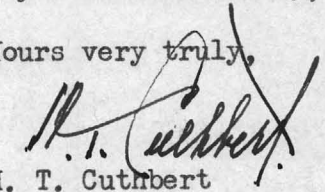
If convenient I will be very glad to meet you at my office here on the morning of Wednesday the 18th inst. when I will give you Joralemon's reports and the report of the geophysical survey on the Rube claim, and all other data that I have.

I would very much enjoy having you lunch with me at the Arizona Club when we can discuss in a general way the proposition in question. If this is not convenient I, of course, can send you the above mentioned data in question but feel that perhaps conversation relative to the history of the company may be of help to you.

In regard to my representing the controlling interest, the Directors of the company have given me a free hand to do whatever I see fit. Of course, before any final proposition is entered into I will call a Directors meeting and have their approval before any deal is closed.

Looking forward to the pleasure of seeing you next Wednesday,

Yours very truly,


H. T. Cuthbert

HTC:meg

July 10, 1951

Mr. H. T. Cuthbert
Cuthbert, Johnson & Company
Heard Building
Phoenix, Arizona

Dear Mr. Cuthbert:

Mr. Arthur J. O'Connor, General Manager for Consolidated Coppermines Corporation, at Kimberly Nevada, has recently forwarded me a copy of your letter of July 2, 1951, to him, along with various data on the Queen Creek Copper Company.

When time permits, we should like to consider the proposition in a preliminary way, and, if our investigations are promising, go into the matter more fully.

I note that Ira Joralemon made an examination of these claims in 1924. Can you furnish a copy of this report for our examination?

I also observe that a geophysical survey was made of the Rube claim, and we would be much interested in being able to see a copy of this report, too.

In your discussion of the Company, you state that you represent the controlling interest, or 338,543 shares out of 602,778 shares issued and outstanding. Would the minority interest go along amicably in any arrangement that the controlling group might approve?

Unfortunately, our examination schedule is now quite full, and it would be mid-August before we could give some attention to the Queen Creek area.

Please advise me at your convenience if you can supply us with the additional data requested, which you can either mail to me at Scottsdale, or I can drop by your office and pick it up.

- 2 -

Mr. H. T. Cuthbert
Cuthbert, Johnson & Company
Heard Building
Phoenix, Arizona

July 10, 1951

We appreciate your interest in contacting us regarding
this matter.

Yours very truly,

E. N. Pennebaker
fme

FROM A. J. O'Connor, General Manager
TO E. N. Pennebaker, Consulting Geologist
SUBJECT QUEEN CREEK COPPER COMPANY

CITY Kimberly, Nevada
DATE July 5, 1951

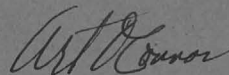
Dear Penny:

I am enclosing a copy of a letter from a Mr. H. T. Cuthbert, together with a copy of a Resume of the Queen Creek Copper Company, near Superior, and a copy of my letter to Mr. Cuthbert.

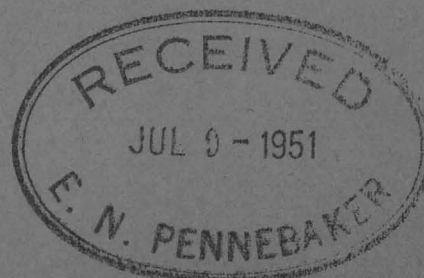
Doubtless, you will have some additional information on the property. It sounds as if it might be interesting but, it is my understanding, that Magma has terrific mining costs due to the need for ventilation.

In Mr. Cuthbert's letter, second paragraph, he mentions the Defense Administration Program. From this I infer that they would not be adverse to having us obtain Government aid if we were interested and seriously contemplated such participation.

Best regards,



AJO'C/ps
Encls.



C O P Y

CONSOLIDATED COPPERMINES CORPORATION

KIMBERLY, NEVADA

July 5, 1951

Mr. H. T. Cuthbert
Cuthbert, Johnson & Co.
Heard Building
Phoenix, Arizona

Dear Sir:

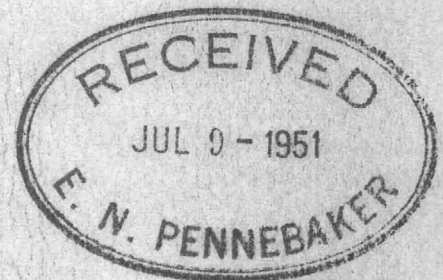
Thank you for your letter of July 2, 1951
with enclosure giving a resume of the Queen Creek
Copper property.

We are actively engaged in the examination
of copper prospects in Arizona and are interested in
making an examination of the Queen Creek deposit.
I am forwarding a copy of your letter, together with
a copy of the resume to our Consulting Geologist,
Mr. E. N. Pennebaker, Postoffice Box 817, Scottsdale,
Arizona, - Office Telephone "Phoenix 5-4117". Mr.
Pennebaker is in charge of our exploration work in
Arizona and will contact you at his early convenience.
All further correspondence regarding this matter may be
carried on thru him.

Yours very truly,

Arthur J. O'Connor
General Manager

AJO'C/ps
cc-E.N.Pennebaker



(C O P Y)

CUTHBERT, JOHNSON & CO.
Certified Public Accountants
PHOENIX, ARIZONA
July 2, 1951

Mr. Arthur J. O'Connor
Consolidated Coppermines Corp.
Kimberly, Nevada

Dear Sir:

It is possible your Company may be looking around for a property which has potential probabilities of having commercial ore bodies awaiting exploration and development.

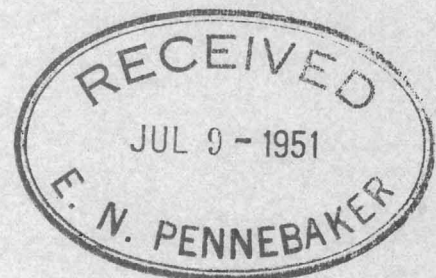
At this time when Uncle Sam is offering inducements to develop copper properties under the "Defense Minerals Program" perhaps the enclosed resume re Queen Creek Copper Co. may be of interest to you.

Yours faithfully,

/s/ H. T. CUTHBERT

H. T. CUTHBERT

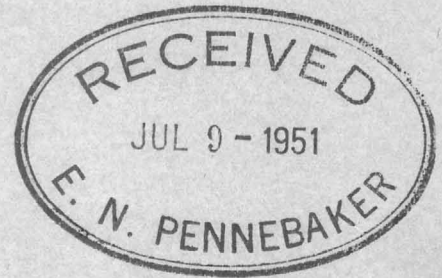
HTC:meg



(C O P Y)

CUTHBERT, JOHNSON & CO.
PHOENIX, ARIZONA

July 2, 1951



RESUME

RE: QUEEN CREEK COPPER CO.

The Company was incorporated in 1916.

Capital Authorized par \$1.00 a share	\$1,000,000.00
Capital Issued and Outstanding, 602,778 shares	602,778.00

Controlling interest held by two Estates.

1. F. S. Stephen's Trust	154,047 shares
2. Alex Mackay's Executry	<u>184,496 shares</u>
	<u>338,543 shares</u>

I represent the controlling interest, being Trustee of the F. S. Stephen's Trust and Ancillary Administrator of the Alex Mackay's Executry. Both F. S. Stephen and Alex Mackay came from Dundee, Scotland, the latter having many interests in this country and was President of the Matador Land & Cattle Co., Ltd.

The property of the Queen Creek Copper Co. is located in the Pioneer Mining District, Superior, Pinal County, Arizona, and is contiguous with the property of the Magma Copper Co., the best known and most successful "high grade" operating mining company in Arizona. The Magma Copper Co. is closely affiliated, if not controlled, by the Newmont Mining Corporation.

The Queen Creek Copper Company's property consists of 5 patented and 42 unpatented claims. There is an inclined shaft of 817 feet from which there are around 2,000 feet of drifts. The only production (all by leasers) amounts to 3,763.40 dry tons and the smelter returns netted \$27,376.10 (all gold and silver, little or no copper).

All copper in the District is at depth. There are no fixtures or equipment on the property now. Ira B. Joralemon, the well known Geologist and Mining Engineer, made two favorable reports on the property in January 1923 and in December 1924.

The late J. S. Douglas who was President of the very rich small mine, the United Verde Extension Mining Co. at Jerome, Arizona, thought well of the potential possibilities of the Queen Creek Property as did many other mining men.

Joralemon considered it advisable to obtain a side-line agreement with the Magma Copper Company before doing extensive development work on the Queen Creek. Unfortunately after the side-line agreement was consummated both Mr. Stephen and later Mr. Mackay died and as they were putting up the funds to develop the property it was not long before the company ceased operating.

I quote from Joralemon's report dated December 1924.

"You have three excellent changes for finding orebodies; first down the dip on the Quartzite contact and Legal Tender bedded veins in the north end of your property, near cross fractures; second, in the Big Ledge cross veining; and third, in the Rube vein which outcrops in diabase. The first two chances are most promising, but will require deep development. The Magma Copper Company is slowly developing the limestone bedding veins, and if they find ore in such veins, you will almost be sure to do so, and will know just where to look for the ore. Therefore, I think it good policy to postpone developing the bedded veins until the Magma has secured more conclusive results."

Early last year for the first time, Magma made an important strike in the limestone bedding about 1 1/2 miles from the side-line of the Queen Creek property on the 3,500 foot level. The significance of this strike was reflected by the spectacular rise in the market quotations of Magma last summer.

I had a geophysical survey made of the Rube claim by W. C. Humphrey and W. C. Humphrey, Jr. and they recommended a diamond drill hole be drilled vertically to a depth of 1,000 feet.

Should you and or your associates be interested in the Queen Creek Copper Company's property I shall be pleased to hear from you at your convenience.

Yours faithfully,

QUEEN CREEK COPPER CO.

/s/ H. T. CUTHBERT

H. T. Cuthbert

Secretary and Treasurer

(CORPORATE SEAL)

HTC:meg

August 18, 1951

Mr. H. T. Cuthbert
Cuthbert, Johnson & Co.
626 Heard Building
Phoenix, Arizona

Dear Mr. Cuthbert:

I have been unexpectedly called to Canada for a mine examination and shall be away until shortly after Labor Day.

Consequently, I shall be unable to give attention to your Queen Creek property until my return.

I sincerely regret this further delay but shall get in touch with you shortly after my return.

Cordially yours,

ENP
fme

July 14, 1951

Mr. H. T. Cuthbert
Cuthbert, Johnson & Co.
Heard Building
Phoenix, Arizona

Dear Mr. Cuthbert:

Thank you for your kind letter of July 13th.

Unfortunately, I shall be out of town most of next week and shall be unable to meet you on Wednesday, the 18th.

On my return, I shall get in touch with you, at which time we can arrange a meeting.

Cordially yours,

ENP
fme

July 10, 1951

Mr. A. J. O'Connor, General Manager
Consolidated Coppermines Corporation
Kimberly, Nevada

Dear Art:

This acknowledges receipt of your letter dated July 5, 1951, with enclosures concerning the Queen Creek Copper Company.

I have a hazy recollection of going over various reports and data regarding this property, several years ago, for Miami Copper Company. As I recall, there was also a short report by Ira Joralemon, with Ira's usual enthusiastic conclusions. Miami turned the proposition down and no investigation was made on the ground.

I shall look into the matter again and I am writing Mr. Cuthbert for additional information, a copy of which letter is enclosed.

As you will note, it will be at least mid-August before our now crowded schedule would permit us to visit the claims.

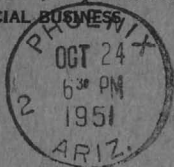
With kind personal regards,

Yours sincerely,

ENP
fme
Enclosure

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October 23, 1951

Mr. H. T. Cuthbert
626 Heard Building
Phoenix, Arizona

Dear Mr. Cuthbert:

Our Mr. Sharp reported in due course on his visit to the property of Queen Creek Copper Company near Superior. I have delayed writing you our conclusions pending a visit from our eastern associates and discussions with them.

It is our conclusion that the Queen Creek property has merit. However, we feel that possible targets would be difficult to hit, that a considerable number of deep and costly drill holes would be required, and that results might still remain inconclusive after heavy exploration expense. With these points in mind, we believe that we obtain most results from our exploration dollar in other types of geological environments. Consequently we must decline to go further into the proposition.

We do appreciate your bringing the property to our attention and we also appreciate your patience over the long time it has taken us to reach a decision.

I am enclosing the various reports, maps, etc. that you loaned us. I think everything is there, but, if any items are missing, please advise me.

I shall look forward to seeing you again in Phoenix.

Yours sincerely,

ENP/jmp

cc: Mr. A. J. O'Connor
Mr. J. Frank Sharp

C O P Y

~~XXXXXXXXXXXX~~
CONSOLIDATED COPPERMINES CORPORATION
KIMBERLY, NEVADA

Safford, Ariz.
Oct. 27, 1951

Mr. H. T. Cuthbert
626 Heard Building
Phoenix, Ariz.

Dear Mr. Cuthbert:

I am returning to you under separate cover and by registered mail the large map of the Queen Creek Copper Company's claims that you lent to me on our trip to the property in September.

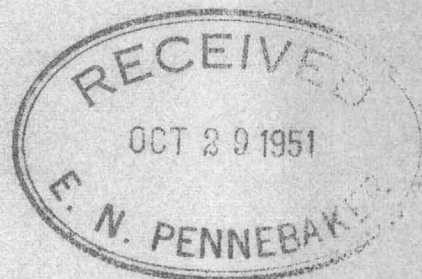
I appreciate you letting me use this map and also that you let me keep it so long.

I wish to thank you again for your kind hospitality and it was a pleasure to of had the opportunity of spending the day with you.

Sincerely yours,

J. Frank Sharp.

cc: E. N. Pennebaker



October 23, 1951

Mr. H. T. Cuthbert
626 Heard Building
Phoenix, Arizona

Dear Mr. Cuthbert:

Our Mr. Sharp reported in due course on his visit to the property of Queen Creek Copper Company near Superior. I have delayed writing you our conclusions pending a visit from our eastern associates and discussions with them.

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I shall look forward to seeing you again in Phoenix.

Yours sincerely,

ENP/jmp

cc: Mr. A. J. O'Connor
Mr. J. Frank Sharp

October 29, 1951

Mr. J. Frank Sharp
Consolidated Coppermines Corporation
Safford, Arizona

Dear Mr. Sharp:

Many thanks for yours of the 27th inst. enclosing the large map of the Queen Creek Copper Company's claims, which I duly received today.

Next time you are in Phoenix I hope you will give me the pleasure of seeing you.

Warmest regards,

Yours sincerely,

H. T. Cuthbert

HTC:meg

c.c. E. N. Pennebaker ✓



HUGH T. CUTHBERT, C. P. A.
CHARTERED ACCOUNTANT
EDINBURGH 1904
MEMBER AMERICAN INSTITUTE
OF ACCOUNTANTS

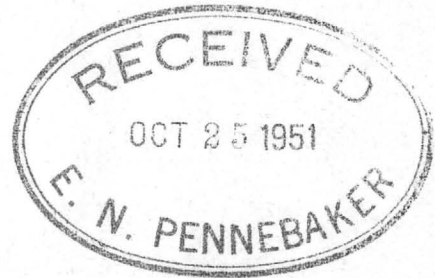
Cuthbert, Johnson & Co.

CERTIFIED PUBLIC ACCOUNTANTS

*Heard Building
Phoenix, Arizona*

October 24, 1951

G. WESLEY JOHNSON, C. P. A.
MEMBER AMERICAN INSTITUTE
OF ACCOUNTANTS



Mr. E. N. Pennebaker
Consulting Geologist
P. O. Box 817
Scottsdale, Arizona

Dear Mr. Pennebaker:

I duly received yours of the 23rd inst. enclosing therewith, the various reports, maps, etc. which I loaned you.

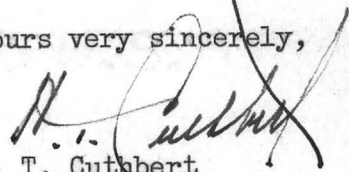
While Mr. Sharp was at the Queen Creek property I lent him a large map of the Company's claims which was not enclosed with your letter. I shall appreciate your getting the map from Mr. Sharp and returning it to me.

It is, of course, a matter of regret that your good Company considers the gamble too great to tackle. The old days of sinking a shaft and looking for the ore, as was done in the Bisbee District by the C & A Mining Company, is past, and the striking of ore by diamond drilling in geological formations such as exist in the Superior District would, as you say, not prove a great deal conclusively.

I appreciate having had the pleasure of meeting you and Mr. Sharp and I sincerely trust that you will be able to find the geological formation somewhere in Arizona which can be conclusively proved up by diamond drilling and definite tonnage arrived at before sinking shafts. There is nothing Arizona needs more than new blood in this field, therefore, I sincerely trust that you and your associates will be successful in opening up a new mine in this State.

Looking forward to the pleasure of seeing you before very long.

Yours very sincerely,


H. T. Cuthbert

HTC:meg

c.c. Mr. A. J. O'Connor
Mr. J. Frank Sharp

