



## **CONTACT INFORMATION**

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PRINTED: 08/02/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GOSSAN COPPER GROUP

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 1232B

LOCATION: TOWNSHIP 10 N RANGE 2 E SECTION 6 QUARTER C  
LATITUDE: N 34DEG 16MIN 50SEC LONGITUDE: W 112DEG 11MIN 15SEC  
TOPO MAP NAME: CLEATOR - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

COPPER OXIDE  
STONE COLORED

BIBLIOGRAPHY:

USGS CLEATOR QUAD  
ADMMR GOSSAN COPPER GROUP FILE

R 12 E

T 12 N

34° 10'

T 11 N

T 10 N

112° 15'

112° 10'

LOCATION OF 'COPPER GOSSAN' CLAIM GROUP

11 62,300



GOSSAN COPPER GROUP

CU, Au, Ag

Yavapai 13 - 6

T I O N, R I E

John Slak, Cordes

'42

IC 8236

Los Felice Gold Mine  
(file)

SLAK, Felice (Mrs. John)

Cordes, Arizona  
Mayer

9-7-42

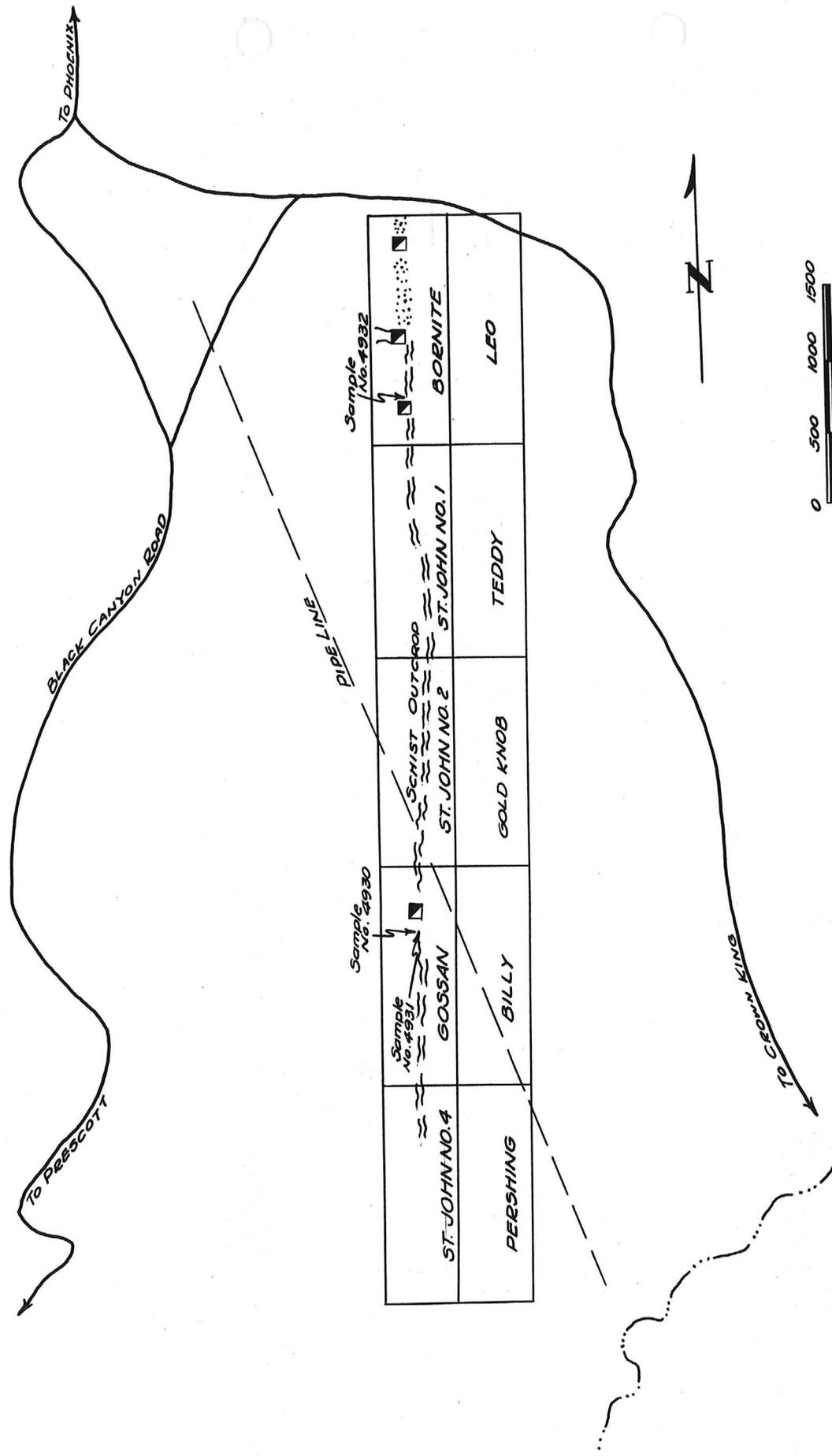
See GOSSAN COPPER GROUP

Re - report made by Nebeker

See SILVER SLOPE -- Re "C" loan application  
Yavapai Co.

2-24-43

PAY DIRT for December 30, 1968



ST. JOHN NO. 4	GOSSAN	SCHIST OUTCROP ST. JOHN NO. 2	ST. JOHN NO. 1	BOENITE
PERSHING	BILLY	GOLD KNOB	TEDDY	LFO

SKETCH MAP OF GOSSAN COPPER GROUP, YAVAPAI CO., ARIZONA  
*Turkey Creek*

GOSSAN COPPER GROUP

YAVAPAI COUNTY

Visited Mrs. John Slak at the St. John Mine. The property is optioned, also the Copper Gossan, but no work under way. TPL WR 11-26-60

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Mr. Charles Goetz now owns the John Slak property at Junction of Bumble Bee-Crown King Road and Cordes Road. No definite plans made at time of interview. FTJ WR 3-10-67

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Charles Goetz and associates drilling the Slak Gossan Copper Group. FTJ WR 5-19-67

---

Visit to Goetz claims - crew drilling. Claims located between the two exits to Cordes were the Slak claims. Hole was down to 188'. Core showed some pyrite and marcasite. FTJ WR 11-22-68

---

Visited the Slak property. Drilling by Charles Goetz stopped. Going to do an IP Survey. FTJ WR 1-24-69

---

13

05

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

Mine ✓ Gossan Copper Group Date February 28, 1958  
District Black Canyon Mining Dist. Yavapai Co. Engineer Lee Hammons  
Subject:

Owners: ✓ The Slack Family whose new address is Mayer, Arizona

No change in the status of the property except that, according to

✓ John Slak, assessment work has been done each year and that they  
(dec'd 2-10-59)  
definitely want to sell or lease.

GOSSAN COPPER

about one mile east of Turkey mine, at base of Antelope hill.  
Same ownership as Los Felice,

No production. Several shallow prospect cuts and shafts on an altered band of schist showing small amounts of oxide copper minerals. There is a possibility that in certain parts of this altered zone the copper has been leached from the near surface exposures with the result that better copper bearing material might exist at greater depth. Should further study, by one versed in leached outcrops, seem to warrant, a few diamond drill holes could determine whether or not ore existed below the present work.

October 24, 1950

  
L.I. Farnham

P.O. : +94 1494  
Prescott, Arizona 86301  
January 14, 1965

Mrs. Adeline S. Mills  
1695 North Point St.  
San Francisco 23, California

Re: Copper Gossan Claim Group  
Black Canyon Mining District  
Yavapai County, Arizona

Dear Mrs. Mills:

The following is a summary of the predominant geological features on your property as named above. It is understood that this report is not to be reproduced in whole or part or used in any way to sell stock etc. without the writer's knowledge and/or permission.

The report is intended to summarize the property as a potential source of building stone. It is prepared for the benefit of Mrs. Miles and the recipients of the stone in San Francisco.

TO WHOM IT MAY CONCERN:

This is to advise that I, J. Olaf Sund, am a qualified geologist, having received Bachelors and Masters of Science degrees in geology from recognized universities in Canada. I have been involved in the mining industry for approximately eleven years.

PROPERTY AND LOCATION:

The property consists of 10 full mining claims and this has an area of 200 acres more or less. The claims are arranged two wide and five long, along a north and south direction. Thus the dimensions are some 1200 feet by 7500 feet. The names registered on the claims are as follows:

St. John No. 1  
St. John No. 2  
St. John No. 3  
Gossan  
Pershing  
Billing  
Gold Knoll  
May Day  
Lec  
Bornite

Specifically they are situated in the central part of section 6, Township 10 North and Range 2 East. This is approximately nine miles due south-southeast from the town of Mayer on State Highway #69.

#### ACCESS AND SERVICES

The property is adequately serviced by good gravel roads that are properly maintained by the State Highway Department. These connect to Highway 69 to the north at Mayer and to the east at Cordes Junction.

A transmission power line crosses nearly along the center of the claims.

#### TOPOGRAPHY:

The approximate elevation is 3300 feet. There is a local relief in the form of bluffs and hills somewhat in excess of 50 feet. The irregular nature of the topography is caused by two large stream washes and their tributaries that have dissected a set of predominant north and south ridges.

#### GEOLOGY:

The entire 200 acres are underlain by quartz sericite schists. These schists are part of the very widespread and so-called Yavapai schists. At this point they strike north 5 degrees east and dip from near vertical to 75 degrees east and, therefore, are parallel to, and make up, the predominant north and south ridges.

The schists themselves are fine-grained, of uniform texture and are fissile. There are a very minimum of sulphides disseminated throughout. The colours vary from white or grey and brownish to local zones of purplish and greenish. There are naturally numerous blends of each of these colours that produce a variety of lavenders and pastel shades. This variety of colours is due to varying mineral compositions. Among these are hematite and limonite causing the reds, browns and purples, chloritic minerals produce the green variations and the more normal white or greyish tone is the sericite background composition. Some of the colour zones are actually 10 foot wide bands within the normal schists. The colours undoubtedly will persist down to the limits of the near surface oxidized zone. The limit is variable but it could be as much as 200 to 300 feet.

#### PAST HISTORY:

The claims were originally located and promoted for the copper possibilities, hence the name "Copper Gossan Group". A shaft was sunk to an unknown depth many years ago, probably during the latter part of the 1920's. However, there is no reason to expect any appreciable quantity of a mineralized deposit on these claims.

#### ECONOMIC:

It is understood that the present owners intend to quarry building stone from this claim group.

In this regard, the following points can be summarized:

1. The rock is a fissile sericite schist (slabs easily).

2. There are a number of bluffs and 50 to 60 foothills from which to draw rock from.
3. The rock outcrops most everywhere, especially on the tops and sides of the hills. Rarely is there more than a two foot soil cover on the upper parts of the hills.
4. There are a variety of colours with blends and shades of each.
5. There are little or no disseminated sulphides in the rock. Therefore, there should be no future rusting after the stone has been utilized.
6. The platy layers are nearly vertical, thus facilitating easy quarrying.
7. Road already exists through the center of the claims.
8. A power line crosses the claims, if it is needed for quarrying at a future date.

RESERVES:

It is difficult to predict how many tons of rock exist on these claims without details of the method and extent of quarrying being considered. If the intention is to merely remove the surface hills down to a common level then there could be upwards of 150,000 to 200,000 tons. However, if more serious work is considered to depth or elsewhere in the district, the figure could be many times the above.

It should be pointed out again that the Yavapai Schists are very widespread and although not everywhere fissile, in the district as a whole the reserves are almost unlimited.

J. Olaf Sund  
Chief Geologist

JOS/ab

N.

GOSSEAM COPPER GROUP

IRON-QUARTZ-GOLD-VEIN

COPPER VEIN

Map

Scale  
Date

Section

Scale  
Date

October 16, 1942

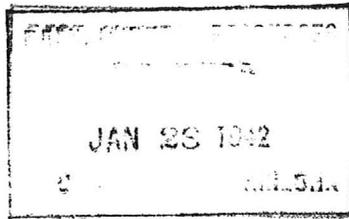
MEMORANDUM

GOSSAN COPPER COMPANY

TO: A. C. Nebeker

FROM: Earl F. Hastings

John Slak requests a copy of your report of August 27 on the above property and states that you informed him that you had mailed the report to this office and that we would forward a copy to him. We do not find any report on this property in the files. Will you please send us your file copy that we may reproduce it for our information.



January 23, 1942

Mr. John Slak,  
Cordes, Arizona.

Dear Mr. Slak:

I have your letter of January 22 and will turn over the report on the "Gossan" Copper Group to the Department of Mineral Resources.

Many thanks for filling it out so completely.

I note that you would like to have some additional blanks and I am glad to enclose a few.

With kindest personal regards, I am

Yours very truly,

CHARLES F. WILLIS, Chairman  
Board of Governors

CFW:MH  
Enclosures

24 February 1942

Mr. John Slak  
Cordes, Arizona.

My dear Mr. Slak:

I am enclosing herewith a copy of mine owner's report covering the GOSSAN COPPER GROUP located in the Black Canyon Mining District, Yavapai County, Arizona, which has been filed with this department.

I shall be glad to submit a copy of this report to anyone making inquiry for a property such as yours.

With best wishes, I am

Yours very truly,

Charles F. Willis  
Chairman, Board of Governors

CFW-jrf  
encl.

Cordes, Arizona  
Jan. 22, 1942

Mr. Charles F. Willis,  
528 Title & Trust Bldg.  
Phoenix, Arizona

Dear Mr. Willis:

You will find herewith enclosed a short description of a "Copper Property" for your files and use in the event some parties interested in such might appear on the scene.

It is a most splendid property of its kind and very economically situated. And hence probable that with it we may yet win the desired "horse and buggy." And if so, be assured, that you shall not be forgotten at the Clean-Up.

With sincerest best wishes.

Very truly yours,

A handwritten signature in cursive script, reading "John Slack", is written over a horizontal line. A second horizontal line is drawn below the signature, extending further to the right.

PS:- It is likely that I may run on some other properties of merit. And if and when so, a few additional "blanks" of yours would come handy and would be thus appreciated.

JS:

## GOSSAN COPPER GROUP

THE GOSSAN COPPER GROUP CONSISTS OF 10 FULL-SIZE MINING CLAIMS, LAWFULLY HELD BY LOCATION, AN AREA OF 200 ACRES, 2 CLAIMS IN WIDTH AND 5 CLAIMS IN LENGTH; A SOLID PATCH OF STRONGLY MINERALIZED GROUND 1,200 FEET WIDE AND 7,500 FEET LONG. OVER THE EASTERLY 5 CLAIMS IN CENTER LENGTHWISE, RUNS THE MAIN COPPER VEIN OR DEPOSIT, 60 TO 100 FEET WIDE AND 7,500 FEET LONG; TRENDING NORTH-SOUTH, DIPPING 80 DEGREES WEST (NEARLY VERTICAL) ENCLOSED BY YAVAPAI SCHIST FORMATION, INTRUSIVE DIORITE, DIABASE AND PORPHYRY. WHILE 1,900 FEET TO THE EAST PARALLELS THE ANTELOPE HILLS GRANITE. THE DEPOSIT, HOWEVER, IS VERY STRONGLY LEACHED, YET NEVERTHELESS ONE CAN OBSERVE THROUGHOUT IT SUCH REMNANTS OF COPPER ORES AS NATIVE COPPER (COARSE AND IN FINE FLAKES), CUPRITE, AZURITE, MALACHITE, CHALCOCITE AND SOME CHALCOPYRITE IN ONE OF THE 50-FOOT DEEP SHAFTS. ALL THESE, NATURALLY, INDICATE A LARGE AND RICH COPPER MINE AT DEPTH, AND WHICH CAN BE EASILY AND CHEAPLY DETERMINED BY 3 OR 4 DIAMOND-DRILL HOLES EACH 500 FEET DEEP.

OVER THE ADJOINING 5 WESTERLY CLAIMS IN CENTER LENGTHWISE, RUNS ANOTHER SMALLER VEIN, 5 FEET TO 50 FEET WIDE AND 7,500 FEET LONG; TRENDING NORTH-SOUTH, DIPPING 80 DEGREES WEST, COMPOSED OF OXIDIZED IRON, QUARTZ AND QUARTZITE, ENCLOSED BY YAVAPAI SCHIST. THIS VEIN SHOWS NO COPPER, BUT AT SOME POINTS CARRIES CONSIDERABLY IN GOLD, SOME SILVER AND LEAD VALUES. HENCE IT IS RECOMMENDED THAT THIS VEIN BE DEVELOPED AFTER THE COPPER DEPOSIT IS FIRST EXPLORED AND PRODUCING.

### SITUATED:

IN THE BLACK CANYON MINING DISTRICT, YAVAPAI COUNTY, ARIZONA, ABOUT 3 MILES SOUTHWEST FROM CORDES, ON THE BLACK CANYON-PRESCOTT-PHOENIX AND CROWN KING HIGHWAYS. 10 MILES TO BLUE BELL SIDING, THE SHIPPING POINT, ON THE BRANCH OF THE SANTA FE RAILROAD. PRIVATE ROADS OVER THE PROPERTY; ALSO POWER AND PHONE LINES AND A 2-INCH WATER PIPELINE; MINE TIMBER CAN BE HAD FROM THE BRADSHAW MOUNTAINS A FEW MILES TO THE WEST. ELEVATION IS 3100 FEET ABOVE SEA LEVEL, AND THE CLIMATE IS UNEXCELLED THE YEAR AROUND.

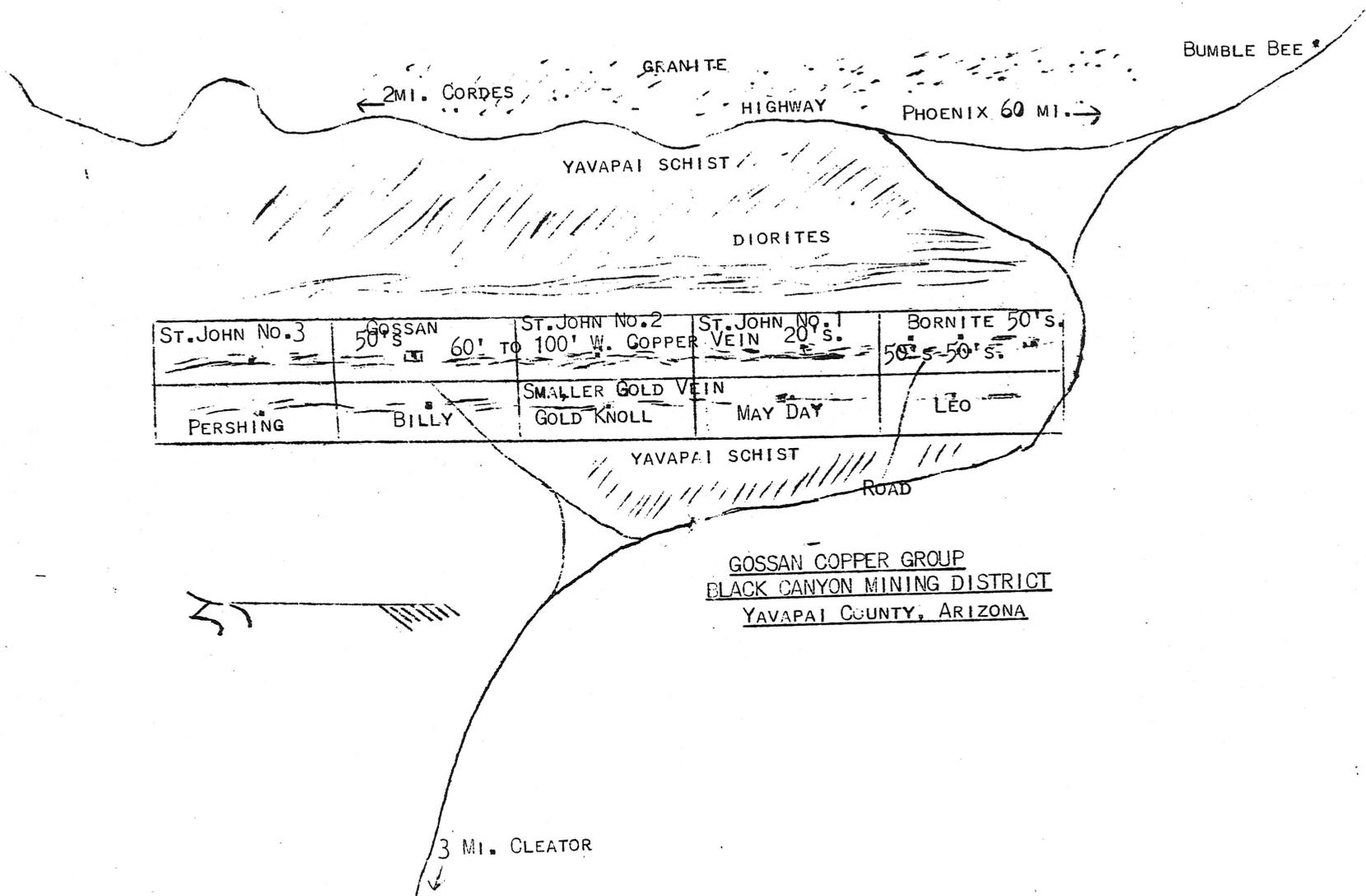
### CONCLUSION AND RECOMMENDATION:

WE WISH TO SAY THAT THE GOSSAN COPPER GROUP HAS ALL THE ESSENTIAL CARMARKS WHICH INDICATE THAT IT WILL DEVELOP INTO A LARGE AND RICH COPPER MINE. AND AS WELL THAT IT CAN BE SO DETERMINED AND PROVEN EASILY AND CHEAPLY BY OR WITH 3 OR 4 DIAMOND-DRILL HOLES, EACH 500 FEET DEEP. FOR THIS SMALL OUTLAY THERE IS A HIGH PROBABILITY THAT THE DRILL HOLES WOULD ENHANCE THE VALUE OF THIS PROPERTY UP TO \$1,000,000.

IT IS AN EXCEPTIONALLY MERITORIOUS COPPER PROSPECT AND, THEREFORE, IT IS RECOMMENDED WITHOUT HESITATION TO ANYONE INTERESTED IN COPPER MINING.

By \_\_\_\_\_  
JOHN SLAK  
CONSULTING MINING ENGINEER

OWNERS: SLAK FAMILY.

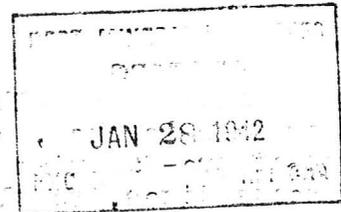


ST. JOHN NO. 3	GOSSAN 50' S	ST. JOHN NO. 2 60' TO 100' W. COPPER VEIN	ST. JOHN NO. 1 20' S	BORNITE 50' S
PERSHING	BILLY	SMALLER GOLD VEIN GOLD KNOLL	MAY DAY	LEO

GOSSAN COPPER GROUP  
 BLACK CANYON MINING DISTRICT  
 YAVAPAI COUNTY, ARIZONA

5-13

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
MINE OWNER'S REPORT



Date **January 21, 1942:**

1. Mine **"GOSSAN" Copper Group.**
2. Location **Three (3) miles SW of Cordes and one (1) mile East from Golden Turkey mine.**
3. Mining District & County **Black Canyon; Yavapai.**
4. Former name
5. Owner **(Agent) John Slak,**
6. Address **(Owner) Cordes, Arizona.**
7. Operator
8. Address (Operator)
9. President, Owing Co.
- 9A. President, Operating Co. ✓
10. Gen. Mgr.
14. Principal Minerals **Copper-Gold-Silver.**
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed **None.**
17. Power: Amt. & Type **None.**
18. Operations: Present **None.**

**NOTE: "ELECTRIC POWER LINE AT SOUTH END OF PROPERTY."**

19. Operations: Planned **Regarding further development of this property, for the initial attack this writer would strongly recommend the sinking of two vertical shafts on the deposit to a few hundred feet depth each, then drifting and cross cutting. Or to pre-determine the extent of the ore bodies by a few diamond drill holes. Each of which can be done speedily and cheaply, the ground is easy to work, stands up well and requires but minimum of timbering.**

20. Number Claims, Title, etc. **Ten (10) Claims; or 200 acres; held by location titles. Covering a patch of mineralized ground 1,200 feet in width, and 7,500 feet in length; trending lengthwise Northerly-Southerly direction.**

21. Description: Topography & Geography **The ground covered by these claims being in a basin-like country; near to flat or level, within exception of a few gentle, or smallish, anticlinal knobs and bumps; and a few shallow, cross-gulches. The property runs parallel to and along the foot of the West side of the Antelope Hill's granite; and being of an easy access from all directions, and at all times of the year.**

22. Mine Workings: Amt. & Condition **The principal mine workings consists of 4 vertical shafts, each 50 feet deep. 3 of these shafts are in good condition, while the collar of the 4th shaft has caved-in. Besides these there are a number of shallow holes, open cuts, trenches, etc. along the big outcroppings.**

**Permanent Water Level: Can be expected at about 200 feet depth.**

**Elevation of Property: Being about 3,000 feet above sea level.**

23. Geology & Mineralization The country rock, which surrounds the "100 feet wide, more or less leached, copper deposit," being the so called Yavapai Schist, a rock of pre-Cambrian origin; and which in turn was subsequently intruded by igneous dikes, mostly diorites and partly rhyolites. At one point the diorite itself, forms the deposit and being strongly impregnated with copper carbonate ores.

24. Ore: Positive & Probable, Ore Dumps, Tailings There is no positive ore developed at this time. While the ore on dumps at various workings, was taken and shipped by strangers during absence of owners. - Concerning the "possible ore" the possibilities of great tonnage are practically unlimited when but once opened up. All depending on the scale of operation & production that might be desired.

24A. Dimensions and Value of Ore body The "deposit is about 100 feet wide - and 7,500 feet long." (Maybe longer, but it disappears under 500' thick volcanic flows to the north.) The deposit being strongly leached, consisting of various vein rocks, but mostly of finely-ground, twisted, strongly iron-stained schistosity and quartz, all of which forms great, marvelous gossans in a vertical position,

25. ~~Map/ Mill Equipment & Fly Sheet~~ impregnated with various characters of copper ore such as: native copper, cuprite, chalcocite, tetra-  
hedrite, carbonates and some sulphides, (copper pyrites.) Hence the amount of copper in this kinds of ores is understandable, and, besides values in copper the ores do and will carry substantial values in gold & silver as well.

26. Road Conditions, Route The fine, Crown King, county road, (near the Y where it connects with the State's, Phoenix-PreScott, Black Canyon road) crosses over part of the property at its south end. While good private roads run over the property at many points.

27. Water Supply Water can be developed in one of the gulches. Besides that a 2" water pipe line, (belonging to Hidden Treasure) traverses the property and from which water can be had for domestic purposes; doubtless too, the whole pipe line can be acquired cheaply if so desired.

28. Brief History In Summer of 1929, Mr. A. B. Richmond, field engineer for the Magma Copper Co. had examined, approved and recommended to his Company to purchase this property at the then price of: \$100,000.00/ But the big Crash in October of that year prevented the consummation. Subsequently, due to the low price of copper, the property has not been presented to anyone since, and until now.

29. Special Problems, Reports Filed

30. Remarks This property is a First Class Copper Prospect. It has all the essential ear-marks indicating a big, long life copper mine. And therefore, this writer recommends it for exploration in the strongest possible language.

31. If property for sale: Price, terms and address to negotiate. The property is for sale; price, \$20,000.00/ easy terms. And, if a company should be incorporated upon it, the owners would be willing to accept one ( $\frac{1}{2}$ ) half of the purchase price in stock.

32. Signature.....

(John Slak, Consulting Mining Engineer.)

33. Use additional sheets if necessary.



mp

101154151517 3 1942

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

**DEPT. MINERAL RESOURCES**  
**RECEIVED**  
**SEP 11 1942**  
**PHOENIX, ARIZONA**

✓  
Mine The Gossan Copper Group

District Black Canyon

Former name ~~Mrs. John Slack~~

Owner Mrs John Slack

Operator Now Idle

President

Mine Supt.

Principal Metals Copper

Production Rate

Power: Amt. & Type Not equipped

Operations: Present

Idle

Date AUG 28<sup>TH</sup> 1942.

Engineer A.C. Nebeker

Location Prescott

Address Cordes, Ariz.

Address

Gen. Mgr.

Mill Supt.

Men Employed

Mill: Type & Cap.

**Operations Planned** There has been a report made up by Mr John Slack and plans made for a Development Loan. If loan is granted the owner plans on sinking the present main shaft deeper and also go to the south end and drift on a cross vein which shows some good copper.

**Number Claims, Title, etc.**

There are 10 claims in the group, two claims wide and five claims <sup>long</sup> long. Title has been held good by doing assessment work each year and recording the same.

**Description: Topog. & Geog.**

The claims are 1 mile east of the Golden Turkey mine and the south end of the claims cross the highway which goes to Cleator and Cordes. The country is gentle slope and one can drive most any where with a car.

**Mine Workings: Amt. & Condition** There is 4 shifts on the property, each about 50 feet deep two of which are in pretty good condition. On the south end of the property there is a tunnel about 50 feet in, and in the bottom of which there is a 10 foot winze. This tunnel is in good condition and one can see the face.

( *iron* )

**Geology & Mineralization** The main geological formation is a strongly stained bed of schists, which is about 80 feet thick having a north-south strike and dip to the west of 75 degrees. In the schists is seen seams of hematite iron and some carbonate of copper. The iron and copper has the appearance of having been leached which have carried below some values.

**Ore: Positive & Probable, Ore Dumps, Tailings** The present work does not show any positive ore or probable ore in sight. The tunnel on the south end has been following a break which is 18 inches thick and is filled with hematite iron in which one can find native copper. At this point the mineralization is strong and very encouraging.

**Mine, Mill Equipment & Flow Sheet** Nothing can be said about mill and flow sheet at this time.

**Road Conditions, Route** The property is on a very good graded highway which connects Cordes, Cleator and Crown King Post offices. The road to the Smelter at Clarkdale or Railroad Ramp at Mayer are good.

**Water Supply** There is no water on the property, but owner claims water can be had by 300 ft wells.

**Brief History** No back history as I can find.

**Special Problems, Reports Filed**

**Remarks** The owners think the property is in a big leached zone and when water level is reached a enriched zone will be found which will result in a large body of copper ore. The writer thinks, if there were a large body of copper ore at water level as a result of leaching, there would be more signs on the surface, on the otherhand the tight schists could have held the ores below.

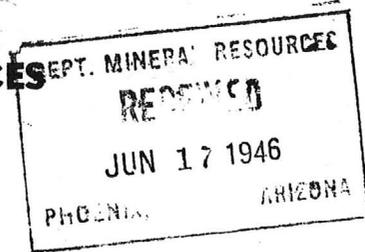
**If property for sale: Price, terms and address to negotiate.**

The owner seem to be indifferent about selling.

Signed *A. C. Nebeker*  
A. C. Nebeker.

Use additional sheets if necessary. Separate sheets on each problem.

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
MINE OWNER'S REPORT



Date June 15, 1946

1. Mine: Gossan Copper Group
2. Location: Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ Range \_\_\_\_\_ Nearest Town Cleator.  
Distance 3-miles Direction East Road Condition Excellent
3. Mining District & County: Black Canyon Mining Dist. Yavapai County, Arizona
4. Former Name of Mine: \_\_\_\_\_
5. Owner:  John Slak's Family.  
Address: Mayer, Arizona
6. Operator: \_\_\_\_\_  
Address: \_\_\_\_\_
7. Principal Minerals:  Copper.
8. Number of Claims: Ten (10) Lode  Placer \_\_\_\_\_  
Patented \_\_\_\_\_ Unpatented
9. Type of Surrounding Terrain: Gently-rolling Hills.
10. Geology & Mineralization: Yavapai Schist, with strong intrusions of Diorite and some Porphyry dykes; 1000 feet to the East parallels the Antelope Hills granite. Mineralization: Vein, 60 feet to 100 feet wide and 7,500 feet long, trending North-South, dipping 80 degrees West. Its outcroppings forms large, bald or open gossans, strongly leached.
11. Dimension & Value of Ore Body: Throughout this leached vein material (in spots) appears native copper, carbonates, chalcocite (in one spot) sulphide in 1 - 50' deep shaft. While at one point a 20' long "X-trench" averages 4.60% in copper, per ton. (This is an excellent copper prospect, and its development would mean "as playing for big stakes.") And, 3 or 4 diamond-drill holes, each 500' deep, would prove the desired determination.



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Geology & Mineralogy

Date August 28<sup>th</sup>, 1942

Engineer A. C. Nebeker

Mine The Gossan Copper Group

District Black Canyon

Former name

Owner Mrs. John Slack

Operator Now Idle

President

Mine Supt.

Principal Metals Copper

Production Rate

Power: Amt. & Type Not equipped

Operations: Present

Idle

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Mine Workings: Amt. & Condition

There are four shafts on the property, each about 50 feet deep two of which are in pretty good condition. On the south end of the property there is a tunnel about 50 feet in, and in the bottom of which there is a 10 foot winze. This tunnel is in good condition and one can see the face.

**Geology & Mineralization**

DEPARTMENT OF MINERAL RESOURCES

The main geological formation is a strongly stained bed of schists, which is about 80 feet thick having a north-south strike and dip to the west of 75 degrees. In the schists are seen seams of hematite iron and some carbonate of copper. The iron and copper has the appearance of having been leached which have carried below some values.

**Ore: Positive & Probable, Ore Dumps, Tailings**

The present work does not show any positive ore or probable ore in sight. The tunnel on the south end has been following a break which is 18 inches thick and is filled with hematite iron in which one can find native copper. At this point the mineralization is strong and very encouraging.

**Mine, Mill Equipment & Flow Sheet**

Nothing can be said about mill and flow sheet at this time.

**Road Conditions, Route**

The property is on a very good graded highway which connects Cordes, Cleator and Crown King Post Offices. The road to the smelter at Clarkdale or Railroad Ramp at Mayer are good.

**Water Supply**

There is no water on the property, but owner claims water can be had by 300 foot wells.

**Brief History**

No back history as I can find.

**Special Problems, Reports Filed**

**Remarks**

The owners think the property is in a big leached zone and when water level is reached an enriched zone will be found which will result in a larger body of copper ore. The writer thinks, if there was a large body of copper ore at water level as a result of leaching, there would be more signs on the surface, on the other hand, the tight schists could have held the ores below.

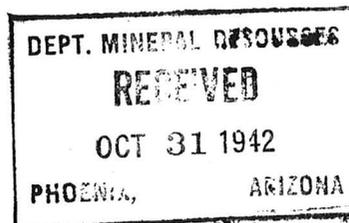
**If property for sale: Price, terms and address to negotiate.**

The owner seems to be indifferent about selling.

Signed A. C. Nebaker

St. John Gold & Copper Co.  
Cordes, Arizona

Oct. 30, 1942



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

Dear Mr. Hastings:

Many thanks for your manly letter of the 26th, inst. and as well as for the pamphlet on the Heavy-Media Separation Process - of the American Cyanamid Corporation. Doubtless the process would work to advantage in connection with our Iron-Manganese deposit and accordingly a thorough trial shall be given it at the first opportunity. Hence your co-operation is appreciated, to say the least.

The possible consummation of transaction for the Iron-Manganese deposit is hanging fire - more or less in fluid state and not fast-tied up to anybody. And so bear it in mind in case some responsible party should happen to appear on the scene looking for such.? "In fact I know you would."

(NOTE: Nebeker's report on the Gossan Copper Group, --- WRONG: "There is no water on the property, but owner claims water can be had by 300 foot wells." --- "RIGHT: Water for domestic and preliminary mine operating purposes can be had within a few feet depth in a gulch, or from a 2-inch pipe line which runs over property lengthwise. While mine underground water will be encountered within 100 feet depth.")

So, in case you have Nebeker's copy of report on this in your files --- I would thank you if you will kindly correct his error accordingly.

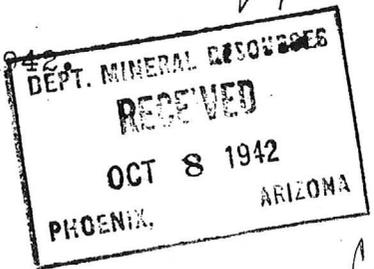
Trusting I may have the pleasure to meet you in person in the near future. I am,

With kind regard and best wishes.

Yours very truly,

A handwritten signature in dark ink, appearing to read "Wm. S. ...".

Cordes, Ariz. Sept, 7, 1942



Mr J.S.Coupal.Director.

Dear Mr Coupal.

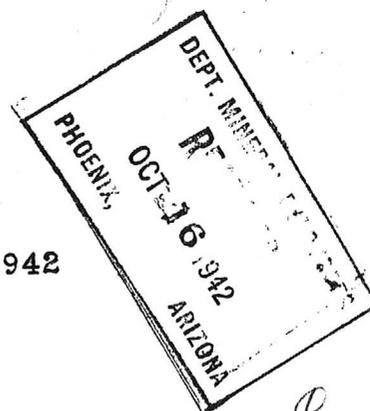
This letter is to ask you to Please send me a Copy of the report ,Mr Nebeker made on our Gossan Copper Group. The Claims belong to my Daughters and myself. We are asking for a Loan. As soon as the papers are made I will send you the same for your approval. Things are very slow around here. When you come this way , stop and see us. And many, many thanks.

Sincerely Yours.

Helie Slak  
(Mrs John Slak)

St. John Gold & Copper Co.  
Cordes, Arizona

Oct. 15, 1942



Department of Mineral Resources,  
413 Home Builders Building  
Phoenix, Arizona

(Attention: Mr. J. S. Coupal, Director)

Dear Mr. Coupal:

Just a few words to say that your letter of Sept. 25th, last, (Re: Messrs. Grabe & Wood in connection with our Iron-Manganese deposit) was very highly appreciated; to say the least. I have delayed answering you thinking that some kind of arrangement may develop between these two gentlemen and us for a final business talk: "It Didn't." - Nor we do any longer expect that it might.

When the "deposit" became open for business on Oct. 1, we wired these gentlemen accordingly, and their answer was:

"We Are Coming Will Wire You Tomorrow When."

(Next, Oct. 3) "Due To Sickness In Family Will Wire Tuesday Our Arrival."

(Next, Oct. 6) "Arrive Monday See You Tuesday."

-----  
And thus the said "Tuesday" (the 13th) has come and gone and the Gentlemen in question have not shown up nor sent an explanation; and that is that. --

I am and have been overly busy with investigators from all four directions, local ones included; but no one offered to do anything about it with the deposit - or the company. All they want is a long time option. (Presumably: "To Dangle It" before bigger interests - for a large profits to themselves.) What Else.? Since yesterday P.M. an eastern engineer is still prowling over the deposit, he has credentials from a well known iron-steel concern, and asks for a 10 days option to communicate his findings. - That, on my first thought: "I was going to give him such option." While on my second thought: "I showed him Grabe-Wood telegrams and told him I will wait a few days, as they, (Grabe-Wood) might have met an unavoidable hitch." The man agreed, and will await my answer at Prescott. --

And so you can see as to how the time goes to Pot and nothing being accomplished - while the country waits for needed steel.

J. S. C. 10/15/42.

Page 2.

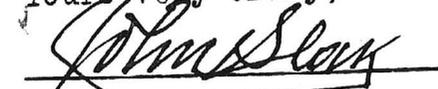
Now, Mr. Coupal, this is another thing, namely:  
On August 27th, last, I showed Mr. A. C. Nebeker over the Gossan  
Copper Property, belonging to my three Women Folks, and Mr. Nebeker  
seemed to be pleased with its showings. And so asked him if he  
would kindly express his opinion "in writing" for the purpose and  
use, (with other reports) so as<sup>to</sup> give additional PRESTIGE to a loan  
application with RFC, which the Girls contemplate in applying for.

I have also asked Mr. Nebeker to mail his written opinion  
to Mrs. Slak, so that the application papers can be then formula-  
ted and forwarded. - However, there was<sup>no</sup> word from Mr. Nebeker until  
recently and after Mrs. Slak wrote him about it - and then he writes  
that he "has mailed the report to your office" and that your office  
will mail to her a copy of it.

I regret to say that no such copy having been received as  
yet, and therefore I would personally thank you if you will kindly  
see to it that the same maybe mailed at an early convenience.?

With kind personal regards and best wishes to the boys,  
Mr. Willis, Hastings (whom I hope to meet some day) and  
your good-self.

Yours very truly,

 , Pres.  
John Slak,