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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: YAEGER

ALTERNATE NAMES:
PATENTED CLAIMS MS 1450
OLD INCLINE OR GREY COPPER SFT
QUEEN BEE
GREY COPPER SHAFT

YAVAPAI COUNTY MILS NUMBER: 606B

LOCATION: TOWNSHIP 15 N RANGE 2 E SECTION 19 QUARTER SE
LATITUDE: N 34DEG 39MIN 49SEC LONGITUDE: W 112DEG 11MIN 03SEC
TOPO MAP NAME: HICKEY MOUNTAIN - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER SULFIDE
COPPER OXIDE
SILVER
CALCIUM CALCITE
GOLD

BIBLIOGRAPHY:
USGS HICKEY MTN QUAD
BLM MINING DISTRICT SHEET 52
LINDGREN, W. ORE DEPTS JEROME & BRADSHAW MTN
QUADS USGS BULL 782 1926 P 98
WEED, W.H. MINES HANDBOOK VOL XV 1922 P 389
ADMMR YAEGER MINE FILE
STEVENS H J COPPER HANDBOOK VOL VI 1906 P1067
CLAIMS EXTEND INTO SEC. 19, 20 & 30
USGS MIN. RES. OF US 1922 PART 1 METALS P 516
ADMMR YEAGER CANYON COPPER CO COLVO FILE

YAEGER MINE

Yavapai County
Black Hills

KAP WR 4/1/80: Bill Bradley, et al, a owner of Yeager Mine, Yavapai County, reported on the assay results from samples taken at the Yeager Mine. The results have been tabulated in a separate report. Walt Statler, Iron King Assay Office, was contacted regarding the analyzing of tailings samples for free silica (SiO_2) and acid soluble copper. He will run a test.

KAP WR 3/13/80: The Yaeger Mine, owned by Bill Bradley, et al (see previous weekly report 2/15/80), consists of eleven (11) patented claims. The eight (8) owned by Bradley are:

(1) Bonanza #1
(2) Queen Bee
(3) Queen Bee #1
(4) Queen Bee #2
(5) Grey Copper
(6) Grey Copper #1
(7) Grey Copper #2
(8) Searchlight

All are in the Black Hill District, Yavapai County.

KAP WR 3/17/80: In the company of Bill Bradley traveled to the Yaeger Mine, Black Hills District, Yavapai County. A number of samples were taken and a crude map of the dump and tailings was made. (A separate report will be written.)

KAP WR 4/17/80: Discussed the status of the Yaeger Mine with its owner, William Bradley dba Free West Properties. Mr. Bradley is anxious to lease or option the mining property or sell it as summer home real estate.

KAP WR 6/13/80: Bill Bradley, phone (714) 449-7633, reported numerous responses to his letter offering the Yaeger Mine, Yavapai County, for sale. He has had a variety of responses ranging from legitimate to promotional. He was particularly happy with the responses from Phelps Dodge Corporation, Ranchers Exploration and Development Company, Heinrichs Geoexploration Company, and Inspiration Consolidated Copper Company.

YAEGER MINE

YAVAPAI COUNTY
BLACK HILLS.

Visited Yaeger Mine. No one was present. The operators plan to leach the old copper dump in place have terraced the dump and formed border rims on its surface to control percolation of leach solutions. They plan to put down bore holes at intervals and blast same to shatter and thus make the material more permeable. Dirt tanks have been formed above and below the dump for handling solution. This is to be a leach operation similar to that in progress on the dumps at Jerome. It seemed likely that the Yaeger preparation job would be completed in December and leaching begun then. The source of water to be used was not evident and could not be determined in the absence of any of the operating personal. By rough visual estimate the rock dump seems to contain around 30,000 tons, and a tailings dump below it appears to be about half as large.

T.P.LANE WR 12/1/59

Visited the Yaeger mine where a small scale leach plant is partially set up on the dump. As on several previous visits no one was present on the job. However, some additional "rigging-up" had been done since the last visit but no production made. A sign on the property carried the notice "SKS Mineral Processing."

TRAVIS P. LANE WR 9/17/60

Visited the Yaeger Mine copper leach (dump) project. Idle and apparently abandoned.

TRAVIS P. LANE WR 9/16/61

H. R. Scott & Son, 375 N. 21st Ave. were in relative to government loans to assist in erecting a leaching plant at the Yaeger Mine, Black Hills district in Yavapai County. Mr. Scott stated that the dump had been tested and was believed to be satisfactory for leaching. A plant had been partly built when funds ran out.

LEWIS A. SMITH, WR 6/16/62

Mrs. Alva B. Breckenridge, % Sharlot Hall, Prescott, owns Yaeger.
Yaeger dump 1.68 (%?) 60,000 (tons ?) Tails 1.5 (%?)

TRAVIS P. LANE WR 6/29/62

Production to 1922 $1,500,000 copper major metal - J. W. Still's figures (Corres file)

Mrs. Alva Breckenridge wants to sell her Yaeger claims.

FTJ WR 9/24/65

Visited the Yeager Mine - no one around, but evidence of someone trying to leach the dumps. FTJ WR 3/20/70

JHJ Memo - 2/15/80 - In telephone conversation Mr. Bill Bradley claims he owns this mine, his address is: 10765 Woodside Ave, Suite X, San Diego, Ca. 92071.

YAEGER MINE YAVAPAI COUNTY

See: U.S.G.S. Bulletin # 782 pp 98-99, 17,19,20,25,40,49 60,97,98,99,100

See: Production Possibilities of the Marginal Copper Mines in Ariz., 1941, p.102.

A.B.M. BULL. #140, p. 102

USGS Professional Paper #308 - Page 176
IC 8236 p. 65

Long Canyon
T 15N, R 2E

Ariz. Mng. Journal April, 1919, p. 17

COPPER

W. H. Kirkpatrick
Prescott, Arizona

Report by B.W. Brown

YAEGER
Yavapai County

8-27-43

The Yaeger mine is located about 1 mile off Jerome Prescott, highway (89A) just before starting to climb Mingus Mt. consists of 5 patented claims, shaft is 1300 ft. deep which is full of water to the 100 level ample water to run a mill. It has a 75 thousand ton dump that will average about 1½% copper and 6/10 oz. silver to each % of copper. Also a 6 or 8 thousand ton tailings dump which will average 1 point 6 copper and 6/10 oz. silver or more to each % of copper. These dumps can either be floated or leached. You might look in U.S.G.S. Bulletin 782 if you do not have one the Library will. The price of this property is fifty thousand dollars, terms about the same as the Butternut groop, of course the terms can be arranged when you come down. The power has been on this property but is not now.

(This info. taken from report sent to this office by Mr. Breckenridge, see letter dated 9-20-58 in BUTTERNUT file.)

YAEGER MINE;

About 9 miles north of Dewey,Arizona.
Owner;Mrs.Elva V.Breckenridge;136½ So.Montezuma,Prescott,Ariz.

No recent production.
Ore occured in comparatively narrow high grade vein and was extensively worked in early days.In the writers opinion,it is doubtful if much ore remains in the mine.

The large mine dump on the property is said to average about 1.5 percent copper after sorting out the larger pieces of waste.A small flotation mill was built in 1944 but was not sucessful.

October 23,1950

L.L.Farnham

Verbatim COPY from U.S.G.S Bulletin 782 by Waldemar Lindgren.

YAEGER MINE.

The Yaeger mine is in the Western foothills of the Black Hills, about a mile south of the roadfrom Prescott to Jerome, at an altitude of 5,400 feet. Idle in 1922, except for some shipments of rich copper ore from the dump. For many years copper ore has been shipped from this deposit. It is not the property of the Shannon Copper Co -- Up to 1919 the yield is said to be 9,627,987 lbs copper; 2,466 ozs gold; and 77,134 ozs silver. The mine is developed by an inclined shaft to the 1,200 ft level, with drifts extending mostly to the east a maximum distance of 750 ft. In 1922 800 tons of copper-silver ore was shipped to the Humboldt smelter. The property has been dismantled and all work discontinued.

The brown, brushy hills around the Yaeger mine are of complex structure. Below the mine white fissile sericitiic schists crop out. At the mine is exposed a dioritic fine grained rock showing veinlets of epidote and also veinlets of calcite and bornite; above the mine are vertical greenish slates striking due North and also much of a fragmental rock that is, perhaps, a diabase tuff. The "diorite" shows in thin sections as a somewhat sheared diorite porphry with large phenocrysts of oligoclase andesine in a trachitic groundmass of minute feldspar laths. There is a great deal of secondary chlorite, epidote and calcite.

The deposit is a fissure vein striking east-and having a dip of 35°South. The width is as much as 7 feet; in places there was 3 feet of clear bornite. The ore contains calcite, quartz, borniteand tennantite with a little pyrite. There is some secondary chalcocite, also some fine azurite and malachite. The structure of the ore is probably massive, with rather large aggregates of both bornite and tennantite. In places these two minerals are intergrown. More or less oxidized ore occurs near the surface.. There is no chalcocite zone, properly so called. A polished section of the rich ore shows quartz, (oldest), tennantite, partly replaced by bornite, and the bornite in turn cut by narrow veinlets of chalcopyrite. The mine makes about 18,000 gallons of water per day. The ore is said to contains 0.65 ozs silver to each 1 % of copper. Much of the ore has been high grade. The ore shoot pitches to the east beginning near the collar of the shaft; it is apparently 200 to 300 ft long in the middle levels but becomes small of the 1,200 ft level.

The composition of the ore is unusual and there is no definite evidence of the age of the deposit. Probably is PreCambrian.....end of quoted bulletin.

The Yaeger ore deposit is definitely an invasion of primary rich sulphide ore from a deep seated magma -- part of the Mingus Mountain series of ore deposits which includes the Jerome and many other deposits on one side and the Iron King and other deposits on the other side. This type of ore can be confidently expected to continue to the greatest depths possible to mine.

However,There are other methods of getting the metallic values from this unusually rich ore deposit than underground mining -- methods made possible by advances in technology since the period of operation of this property. With minimum investment, and cost per unit of metals produced.

Lord Gribben

N.B. Past production, at present metal prices, exceeds 1 Hamillion dollars. 5/11/80

(Gribben)

Yeager Mine (file) Yav. 31

AVERAGE COMPOSITE OF ASSAYS

YAEGER MINE

After assay map by A. L. Ferris

Sketch Map Number	Width Ft.	Cu%	Ag/oz.	Number of assays averaged
1)	1.6	1.44		2
2)	.5	1.83		4
3)	1.2	.05		2
4)	1.7	4.02		6
5)	1.4	1.65	1.45	2
6)	1.7	.22	0	5
7)	3.5	6.22	3.9	14
8)	2.2	7.56	4.8	3
9)	1.0	12.24	10.00	1
10)	1.2	12.12		3
11)	1.2	2.63	1.00	3
12)	.7	11.18	2.7	3
13)	1.2	6.50	6.1	3
14)	2.0	2.81		2
15)	1.7	.1		

From U.S. Geol. Survey Prof. Paper Bulletin 782

Copper, lead, gold, and silver produced in Black Hills district, 1904–1923

[Compiled by V. C. Heikes, U. S. Geological Survey]

Year	Crude ore (tons)	Copper (pounds)	Lead (pounds)	Gold (fine ounces)	Silver (fine ounces)	Total value
1904	4,012	278,050			11,310	$42,130
1905	7,505	373,690			13,076	66,180
1906	3,063	285,303			11,085	62,601
1907	779	149,302	8,420	5.37	7,420	35,320
1908	61	34,060		5.74	926	5,136
1909	68	1,739	11,010	23.43	685	1,559
1910						
1911	73	2,509		.73	654	667
1912	30	4,151		2.39	39	758
1913	48	11,975		1.49	604	3,252
1914						
1915						
1916						
1917	24	3,488		.23	88	1,030
1918	33	6,486		.65	177	1,792
1919	67	19,504		6.09	753	4,626
1920	54	16,826		1.00	561	3,726
1921	40			12.00	2	250
1922	773	265,988		16.07	8,095	44,333
1923	26	2,038		11.34	64	589

YAEGER MINE

The Yaeger mine, in the western foothills of the Black Hills about a mile south of the road from Prescott to Jerome, at an altitude of 5,400 feet, was idle in 1922, except for some shipments of rich copper ore from the dump. For many years copper ore has been shipped from this deposit. It is now the property of the Shannon Copper Co., A. L. Ferris, manager. Up to 1919 the yield is said to be 9,627,987 pounds of copper, 2,466 ounces of gold, and 77,134 ounces of silver.[44] The mine is developed by an inclined shaft to the 1,300-foot level, with drifts extending mostly to the east a maximum distance of 750 feet. In 1922, 800 tons of copper-silver ore was shipped to the Humboldt smelter. The property has been dismantled and all work discontinued.[44a]

The brown, brushy hills around the Yaeger mine are of complex structure. Below the mine white fissile sericitic schists crop out. At the mine is exposed a dioritic fine-grained rock showing veinlets of epidote and also veinlets of calcite and bornite; above the mine are vertical greenish slates striking due north and also much of a massive fragmental rock that is perhaps a diabase tuff. The "diorite" shows in thin section as a somewhat sheared diorite porphyry with large phenocrysts of oligoclase-andesine in a trachytic groundmass of minute feldspar laths. There is a great deal of secondary chlorite, epidote, and calcite.

The deposit is a fissure vein striking east and having a dip of 35° S. The width is as much as 7 feet; in places there was 3 feet of clear bornite. The ore contains calcite, quartz, bornite, and tennantite, with a little pyrite. There is some secondary chalcocite, and also fine azurite and malachite. The structure of the ore is mainly massive, with rather large aggregates of both bornite and tennantite. In places these two minerals are intergrown. More or less oxidized ore occurs near the surface. There is no chalcocite zone, properly so called. A polished section of the rich ore shows quartz (oldest), tennantite, partly replaced by bornite, and the bornite in turn cut by narrow veinlets of chalcopyrite. The mine makes about 18,000 gallons of water a day. The ore is said to contain 0.65 ounce of silver to 1 per cent of copper. Much of the ore has been of high grade. The ore shoot pitches to the east beginning near the collar of the shaft; it is apparently 200 to 300 feet long in the middle levels but becomes small on the 1,300-foot level.

The composition of the ore is unusual, and there is no definite evidence of the age of the deposit. Probably it is pre-Cambrian.

[44a] W. H. Miner Hardback 1922, p. 200

SHYLOCK MINE

The Shylock mine, idle for many years, is in the eastern foothills of the Black Hills, 4 miles due south of the Yaeger mine. It is accessible by an old road from Grapevine Gulch. The altitude is 5,800 feet. The mine is developed by an inclined shaft said to be 1,500 feet deep. Yavapai slates, in places fissile, form the principal country rock; an embayment of the main Bradshaw granite area reaches up from the south nearly to the mine. There are also greenstone schists in the vicinity. The Shylock shaft appears to be sunk on a vein striking east-northeast and dipping 60° S. To judge from the dump the ore contained quartz, tetrahedrite, galena, and sphalerite. It is not known whether any shipments were made.

Further information regarding the prospects in this vicinity has been kindly supplied by Mr. P. C. Benedict, of Jerome, who writes as follows:

> Near the Shylock mine the Yavapai schist seems to be divisible into three parts:
>
> 1. The fissile sedimentary schists, brown or red, forming a continuous belt along the lowest foothills. The strike is northerly, the dip vertical. These phyllites contain some beds of sandstone and thin conglomerates, with steep dips.
>
> 2. A "greenstone" occupying the hills east of the Shylock and appearing again in Grapevine Creek, east of the granite contact. This is in part an andesite, in part perhaps a fine-grained diorite.
>
> 3. A sedimentary rock, apparently inclosed in greenstone, east of the granite contact on Grapevine Creek. It is a blocky dense rock of dark-brown color similar to the "bedded sediments" of the pre-Cambrian at Jerome. The bedding is flat, and the rocks contain thin strata of hematite.

August 25, 1943

Mr. George T. Hanson
Humboldt, Arizona

Dear Sir:

Subject: Grey Copper Group

Your application for an R.F.C. Mine Loan has been referred to us for review and recommendation.

We note under exhibit "A", paragraph 8, e, that you have an available assay map and report on this property. We feel that both ourselves and the R.F.C. would be in a much better position to judge the merits of this project if we were able to study these maps and report. Would you therefore please forward them to us and we will ask the R.F.C. to return them to you as soon as they have served their purpose.

On compliance with this request we will be in a position to immediately return your application for the decision of the R.F.C.

Yours very truly,

Earl F. Hastings
Projects Engineer

EFH:LP

CC: B. W. Brown
R.F.C.

B.W. Brown: Please attempt to see this applicant and his property. His program and objective are not clearly set forth in his application, nor is there much specific information as to physical conditions.

August 30, 1943

6

Department of Mineral Resources
413 Home Builders Bldg.
Phoenix, Arizona

Dear Sir:

Am sending maps by registered mail as requested by you. Please return maps by registered mail to me.

These are borrowed maps and I am held responsible for them.

Yours very truly,

Geo L Hanson
Humboldt Ariz

Yaeger

September 2, 1943

MEMORANDUM

Subject: G. T. Hanson Application
Docket Phx C-237

TO: Mr. George Tweedy, R.F.C.

FROM: Earl F. Hastings, Dept. of Mineral Resources

As requested, the above applicant has sent maps of the Yaeger property. Will you please return them immediately to the applicant or to us when you have finished. I would prefer they not be forwarded to Washington without the express approval of the applicant.

EFH:LP

ST. MICHAEL HOTEL
PRESCOTT. ARIZONA

can be produced quickly and with no doubt as to its production. If you think an extra price is possible, I wish you would also let me know what steps to take and tell me where to get the proper forms. There are none in this town. I intended to go to Phoenix today but it started snowing last night & I put it off until tomorrow. It may be I can get the proper forms there.

I had Thanksgiving dinner at Harry's with your father & mother. Your mother looks fine & your father seems to be improving.

Everyone from around here who has been to Washington, tells what a swell job you are doing there. I spent 6 months of the last war in Washington & while it is quite uncomfortable in many ways, it is very interesting. I will take this opportunity of wishing you a Merry Christmas and a successful New Year.

Best Regards,

W H Kirkpatrick

ST. MICHAEL HOTEL
PRESCOTT. ARIZONA

Dec. 9, 1943

Mr. W.C. Broadgate,
Harrington Hotel,
Washington, D.C.

Dear Bill:-

I have leased the old Yeager property from Breckenridge and am planning on putting a leaching plant on the tailing dumps. There is between 8,000 tons & 10,000 tons in this dumps that will run about 1.5% Cu. From tests I have had run, about 95% of this will leach with H_2SO_4. I am sending in a request for a zero quota and, from what Willis said at the last meeting, I imagine I can get the 5¢ premium. However, when you consider the capital investment that will have to be made and the fact that the dumps is strictly limited to the present tonnage, I dont know if I can get by or not at that price. I wish you would let me know, as soon as possible, what you think of the chances of getting an extra premium. The operation will take very little critical material except H_2SO_4 which I understand is plentifull. I can get the cans from several old mine boarding houses I know of. Another great advantage, It will require no skilled labor. There is about 150 tons of Cu. here that

Dec. 12, 1943

Mr. W. H. Kirkpatrick,
St, Michael Hotel,
Prescott, Ariz.

Dear Kirk,

I was very pleased to hear from you and to know that you say the folks. What you say about Mother being well and Dad improving is good news to me as I have been somewhat worried and did not know just how much they were telling me.

Now as to your problem, it is not an easy one. I think you show a lot of guts to be going into the copper business just now.

Of Course, as Willis will have told you, the way is open to apply for premiums of the special class until the end of the year. The A premiums have not as yet a stopping point, but I am expecting something around the middle of the first quarter of next year which may lead to curtailment. I do not think that reviews of any premiums in force this year, made the first part of next year will result in cutoffs until April at the earliest.

You are unfortunate in that you intend to produce straight copper by leaching, and at the moment there is a sufficiency of copper so that new production is not wanted. If you were going into a fluxing shipping ore, which is still tight in many palces, the prospects would be much better.

However, as the time for application is so short, I believe you should get the forms from Sam Coupal in Phoenix, and discuss the whole things with him. You will have to make a detailed and tight setup which will stand any amount of analysis if you are to get by. You could apply to Landon Strobel, Executive Secretary, Quota Committee, Penthouse, Railroad Retirement Building, but it would waste time.

You may be sure we will do everything possible for you. Be sure and airmail your application to Strobel.

Best of luck and regards,

Sincerely,

W. C. Broadgate

Arizona Department of Mineral Resources, Capitol Building, Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property... Yaggar Group of Claims

Location... Black Hills Mining District

Ownership... Event Buckenridge, H. C. Wenzel Estate

Name of Manager... Event Buckenridge

Post Office address... Salmon, Graham Co.

Copper production (pounds) during each of the past five years:

1936... None 1937... 1938...

1939... 1940...

1941 rate of copper production based upon first four months...

How much copper could this property produce annually

on a 14 cent price? ...

on a 16 cent price? ...

on an 18 cent price?...

on a 20 cent price?...

What price copper is necessary for this property? ... cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? The old shaft is caved... is 13.00 feet deep...

a 16 cent price could be assured? ...

The main vein is undeveloped...

18 cent price? to sink a new shaft ...

would cost $4,000.00...

20 cent price? ...

...

For what length of time would assurance of price and sale of full production be necessary? ...

(Over)

How long would it take, after financing has been provided for, before production on the above basis could be reached? .....

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? ..... no .....

If not, do you believe that your company would be amenable and agreeable to government financing? ..... yes .....

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? .....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes .....
Some mining men this week to go down the old shaft to the water level 130 ft and run a cross cut to East to cut the veins which is abandoned

What would be your ideas on financing and carrying out such a plan as is indicated by these questions? There is one company that is small. This property produced in 1918 962,987 pounds of Copper 2,466 ounces of Silver and 77.134 ounces of Gold

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey. In 1922 $400 tons of Copper ore was shipped by Hand Sort. Some low grade ore would be necessary to keep this in production. Send a report in Bulletin 78 This is the best information I can give. This ore is High Grade Copper

Date June 20 th. Signed Ernest Breckenridge

Arizona Department of . ..eral Resources, Capitol Buildi.., Phoenix, Arizona

QUESTIONNAIRE

Relating to survey of potential copper production from Arizona small and marginal mines for national defense purposes;

Name of mining property.....Yeager Group of Claims.....

Location.....Black Hills Mining District.....

Ownership.....Evert Breckenridge & A. W. Lessard Estate.....

Name of Manager...(Clemenceau, Arizona) Evert Breckenridge.....

Post Office address.....Clemenceau, Arizona.....

Copper production (pounds) during each of the past five years:

1936.....None..... 1937.....-..... 1938.....-.....

1939.....-..... 1940.....-.....

1941 rate of copper production based upon first four months.....

How much copper could this property produce annually

on a 14 cent price? .....

on a 16 cent price? .....

on an 18 cent price?.....

on a 20 cent price?.....

What price copper is necessary for this property? ..... cents per pound?

What plant facilities would be required and how much is the estimated cost in the event a 14 cent price could be assured? ...The old shaft is caved - is 1300 feet deep.....

a 16 cent price could be assured? ...The main vein is undeveloped.....

18 cent price? ...To sink a new shaft would cost $40,000.....

20 cent price? .....

For what length of time would assurance of price and sale of full production be necessary? .....

(Over)

How long would it take, after financing has been provided for, before production on the above basis could be reached? .....

Does your organization have the facilities for raising the necessary capital to increase production to the amount stated? ..No.....

If not, do you believe that your company would be amenable and agreeable to government financing? .....Yes.....

Do you believe that you could finance the capital investment yourself on some such basis as a guarantee of sale of output at a fixed price and for a definite period, with damages to cover unamortized portion of capital investment in the event the government failed to take the output for the agreed upon time - or some similar arrangement? .....

Please let us have your comments on the probability or possibility of your organization participating in such a program for national defense purposes .....

....I am moving over this week to go down the old shaft to the water level 130 ft. and run to cross cut 60 ft. to cut the other vein which is undeveloped.....

.....

.....

What would be your ideas on financing and carrying out such a plan as is indicated by these questions?....There is ore on surface but is small. This property has produced up to 1919 - 9,627,987 pounds of copper, 2,466 ounces of gold, 77,134 ounces silver.....

.....

.....

Kindly list names and addresses of other potential copper producers in Arizona whose operations should be included within this survey.....

....In 1922 800 tons of copper - silver ore was shipped to Humboldt smelter.....

....This is Waldeman Lindgren's report in Bulletin 782. This is the best information I can give. This ore is high grade copper ore.....

.....

.....

Date June 20, 1941..... Signed...Evert Breckenridge.....

June 23, 1941

Mr. Ernest Breckenridge
Clemenceau, Arizona

Dear Mr. Breckenridge:

I have your questionnaire relative to the Yeager Group of mines, and you give us no information at all as to the amount of copper that the Yeager Group could produce. It would appear that the investment that you specify, would be for development work, and this survey is only intended to cover the potential copper production from properties which already have developed ore reserves and need only plants to take out the ore. We cannot tell from your questionnaire as to whether you come within that scope or not, and we would appreciate your advice.

I am sending you a blank to be used for the Butternut Mine.

I hope that you can get this information back to us very promptly as we are supposed to complete this report and get it back to Washington by the end of this month.

Thanking you and with kindest personal regards, I am

Yours very truly,

Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

AVERAGE COMPOSITE OF ASSAYS

YAEGER MINE

After assay map by A. L. Ferris

Sketch Map Number	Width Ft.	Cu%	Ag/oz.	Number of assays averaged
1)	1.6	1.44		2
2)	.5	1.83		4
3)	1.2	.05		2
4)	1.7	4.02		6
5)	1.4	1.65	1.45	2
6)	1.7	.22	0	5
7)	3.5	6.22	3.9	14
8)	2.2	7.56	4.8	3
9)	1.0	12.24	10.00	1
10)	1.2	12.12		3
11)	1.2	2.63	1.00	3
12)	.7	11.18	2.7	3
13)	1.2	6.50	6.1	3
14)	2.0	2.81		2
15)	1.7	.1		

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine YAEGER Date

District Engineer

Subject: Continued (2)

test pits on the continuation of the Yaeger vein to the east of the Old Incline or Grey Copper shaft.

Lindgren describes the main Yaeger shaft workings as follows: "The deposit is a fissure vein (in shear strained diorite) striking east and having a dip of 35 degrees south. The width is as much as 7 feet; in places there was 3 feet of clear bornite. The ore contained calcite, quartz, bornite, and tenantite with a little pyrite. There is some secondary chalcocite and also fine azurite and malachite. The structure of the ore is mainly massive..."

The Shannon Company assay map would indicate that the ore-shoot strikes to the East in the general direction of shear action and would also support that the contact with the cross vein was never quite reached but definitely indicated, and that work at depth was never effected East of the Grey Copper vein where geological considerations would dictate a reasonable chance for ore-placement. It is estimated that to extend the Grey Copper shaft on the plane of contact would prove the most economical way to develop the eastern extension of the Yaeger vein and explore the eastern continuity of the Yaeger ore-shoot. It is also estimated that an extension of the Grey Copper incline will not encounter the major tuff shear zone which was encountered in the Yaeger shaft until a greater depth than the present Yaeger workings has been reached. It may also be emphasized that the ground elevation increases markedly to the East along the Yaeger strike.

In conclusion, the Grey Copper Shaft should be cleaned and timbered for examination to determine the advisability of any development program through it.

B. W. Brown

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine YAEGER Date August 27, 1943

District Black Hills of Yavapai County Engineer B. W. Brown

Subject: Examination of Yaeger Mine for George Hansen, Lessee (Address; Humboldt, Arizona)

The Yaeger Mine, owned by Everett Breckenridge (address; Mayer, Ariz.) and now under bonded lease to George Hansen (address; Humboldt, Ariz.) is located in the Black Hills mining district of Yavapai county at an elevation of 5,866 ft.. It is reached from Prescott by about 20 miles of paved highway (U.S. 89 Alternate to Clarkdale) and thence by about 1½ miles of passable mine road.

The mine was one of the older copper operations in the county and is said to have yielded $1,000,000 in copper, $50,000 in gold, and $77,000 in silver which, according to Lindgren, would place it in the same production range with other pre-cambrian deposits such as the United Verde, U.V.X., Blue Bell, etc.. The mine was owned and operated by the Shannon Copper Co. until 1922 at which time operations ceased for causes unknown. It is believed, however, that the operators were having difficulty in operating through the Yaeger shaft due to caves, excessive water (Lindgren reports 18,000 gallons per day as the average flow during operations), and difficulties encountered in maintaining a shaft through sheared and blocky ground. A study of pencil notations by the Shannon Co. engineer on the original "hard-copy" map would indicate that, at the time of suspension of operations, drifting was being advanced on the 900 level to contact an intersection of the Yaeger vein with a more nearly vertical vein which outcrops on the Grey Copper claim and on which the Old Incline, sometimes called Grey Copper shaft, was driven. It is reported that the Shannon Company had planned to sink a new shaft to a point of contact at the 900 level when operations were suspended.

The workings on the five claims of the Hansen lease may be considered under four categories. There is, first, the main workings of the Yaeger shaft which dip about 35 to 45 degrees southerly and extend to the 1300 level-- the portal of this shaft or incline is badly caved and it is believed that water now stands at the 200 level or above. It is also believed that the shaft itself may be caved in several instances. Secondly, there are several prospects and test pits on a vein of oxidized copper which crops under the old reservoir. This vein segment is believed to be a fractured fragment of the Yaeger vein. Thirdly, there is an older incline which together with two connecting vertical shafts of around 75 feet in depth comprise the workings on a cross vein at a point where the Cross vein and Yaeger vein would normally intersect at the surface. This shaft is caved at the collar and caved again within about thirty feet of the bottom where some "chloriding" had been done. And, lastly, there are numerous

(C) If you could not do this yourself, would a quick drilling program by some government agency (at government expense) be sufficient?

(D) Or would you prefer a loan plan similar to the arrangements during World War II?

Yes

How about a combination plan in two stages such as follows?

Stage 1: Government engineers review project and, if a little drilling appears to be justified and a preliminary key to the situation, such drilling program to be agreed upon by owner and government engineer, paid for by the government, but let by contract.

Stage 2: If results of drilling (or without drilling) justify underground development and/or production equipment, same to be obtainable via a mortgage loan on property.

Please discuss the above: Stage 1

The Yaeger has a 75 ton dump that will average 3 per cent & about 1½ oz silver also a tailings dump averaging around 2 or more per cent & a little more gold & silver than above. The Butternut mine has over 15 ft of ore that gets returns of 7 per cent copper on the three hundred level. The 425 ft level has ore 6 to 10 ft wide which all shipped when operated in 1920.

SUGGESTIONS:

A loan for milling equipment to be put on Yaeger dump. There is adequate water to run the mill. A loan for developing Butternut shaft and putting it in operation.

DATE _____

SIGNATURE Elva V. Breckenridge

136 ½ So. Montgana St
Present Address

STATUS OF DORMANT MINES

MINE NAME: Yaeger Mine Black Hills mining district

LOCATION: Buttle Trust mine, Big Bug Mining District

OWNER AND/OR LEASEE: Owner

ADDRESS: 136½ So. Montezuma St. Prescott Arizona

APPROXIMATE PRODUCTION (Year of 1945):

COPPER ✓ Lbs. LEAD _____ Lbs.

ZINC _____ Lbs. (OTHER) Silver & gold.

CHECK THE CHIEF CAUSE OF YOUR DISCONTINUED PRODUCTION:

(A) Easily available ore worked out.
(B) Increased costs, but have quantity similar to past grade of ore.
(C) Too close a margin to develop more ore.
(D) _____

Husband passed away, I have no funds

If you have ore ready to mine please give your estimate of the amount of metal (name each metal) that you could produce in one year (after allowing 60 days to get started) if there were premiums above present market prices. Name amount with a low premium, and amount at a high premium; such as:

Copper at 22½¢ plus 5¢ premium..... 1,000,000 Lbs.
Copper at 22½¢ plus 10¢ premium..... 1,500,000 Lbs.

If you do not have ore ready to mine please discuss the following:

(A) Do you think a reasonable development program would produce a justified tonnage of commercial ore at above mine?

Yes

(B) With a premium price (guaranteed for one year) could you carry out such a development program yourself? What premium?

About the same as World War II

The Yaeger mine, in the western foothills of the Black Hills about a mile south of the road from Prescott to Jerome, at an altitude of 5,400 feet, was idle in 1922, except for some shipments of rich copper ore from the dump. For many years copper ore has been shipped from this deposit. It is now the property of the Shannon Copper Co., A. L. Ferris, manager. Up to 1919 the yield is said to be 9,627,987 pounds of copper, 2,466 ounces of gold, and 77,134 ounces of silver. The mine developed by an inclined shaft to the 1,300 foot level, with drifts extending mostly to the east a maximum distance of 750 feet. In 1922, 800 tons of copper-silver ore was shipped to the Humboldt smelter. The property has been dismantled and all work discontinued.

The brown, brushy hills around the Yaeger mine are of complex structure. Below the mine white fissile sericitic schists crop out. At the mine is exposed a dioritic fine-grained rock showing veinlets of epidote and also veinlets of calcite and bornite; above the mine are vertical greenish slates striking due north and also much of a massive fragmental rock that is perhaps a diabase tuff. The "diorite" shows in thin section as a somewhat sheared diorite porphyry with large phenocrysts of oligoclase-andesine in a trachytic ground-mass of minute feldspar laths. There is a great of secondary chlorite, epidote, and calcite.

The deposit is a fissure vein striking east and having a dip of 35° S. The width is as much as 7 feet; in places there was 3 feet of clear bornite. The ore contains calcite, quartz, bornite and tennantite, with a little pyrite. There is some secondary chalcocite, and also some fine azurite and malachite. The structure of the ore is mainly massive, with rather large aggregates of both bornite and tennantite. In places these two minerals are intergrown. More or less oxidized ore occurs near the surface. There is no chalcocite zone, properly so called. A polished section of the rich ore shows quartz (oldest) , tennantite, partly replaced by bornite and the bornite intturn cut by narrow veinlets of chalcopyrite. The mine makes about 18,000 gallons of water a day. The ore is said to contain o.65 ounces of silver to 1 per cent of copper. Much of the ore has been of high grade. The ore shoot pitches to the east beginning near the collar of the shaft; it is apparently 200 to 300 feet long in the middle levels but becomes small on the 1,300-foot level.

The composition of the ore is unusual, and there is no definite evidence of the age of the deposit. Probably it is pre-Cambrian.

Taken from Bul 782 pp 98-99. (1924)

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA 85007
602/255-3791

March 11, 1980

Mr. Bill Bradley
10735 Woodside Avenue, Suite X
San Diego, California 92071

Dear Mr. Bradley:

Some information on the Yaeger Mine is enclosed.

Arizona Bureau of Geology and Mineral Technology Bulletin 140, Arizona Metal Production, credits the Yaeger Mine with production of 10,000,000 pounds of copper, about 2,516 troy ounces of gold, and approximately 70,000 troy ounces of silver. At present 1980 prices, that production would have a gross value of $16,000,000. It is not known whether or not the property was mined out.

Geology and Ore Deposits of the Jerome Area, Yavapai County, Arizona, by C.A. Anderson and S.C. Creasey, published in 1958 by the U.S. Geological Survey as Professional Paper 308, contains the most recent technical description of the property. A few items of particular interest are contained in that article, a copy of which is enclosed. Note that,

(1) Most of the production was prior to 1909.

(2) The mine has apparently been inactive since 1923.

(3) Activity since 1923 has consisted of attempts to reprocess dumps and tailings.

(4) The vein was up to 7 feet wide.

(5) The ore contained important amounts of copper and silver with some gold.

(6) The mine is now inaccessible; likely due to flooding with water.

Note also the sentence which states, "The ore was reported to contain about 0.65 ounces of silver to the ton and 1.0 percent copper, and was chiefly high grade." Such ore in today's terms for a small underground mine is definitely not high grade and in 1926 I doubt it was either. The sentence is probably a misquote from the 1926 publication referenced. The actual reference from W. Lindgren's U.S. Geological Survey Bulletin 782, Ore Deposits of the Jerome and Bradshaw Mountains Quadrangles, Arizona, 1926, is "The ore is said to contain 0.65 ounces of silver to (each) 1 percent of copper. Much of the ore has been of high grade." A copy is enclosed.

The 1924 edition of The Mines Handbook mentions development work on the Yaeger Mine by the Shannon Copper Company. The ore developed is reported as averaging 12% copper. We might infer by the copper-silver ratio discussed above that that ore might average 7.8 ounces per ton silver. I can find no notation as to the quantity of ore that was developed or whether or not it was mined out.

Our file on the property indicates attempts were made to leach copper from the mine's dumps in the early 1960's by a group known as "SKS Mineral Processing" or H. R. Scott & Son. Apparently they ran out of funds before the operation got started.

The potential of an old mine is very difficult to determine and such evaluation can be costly. On the other hand, the effort occasionally pays off many many fold. If an attempt is made to perform such an evaluation, it must be done in a businesslike and professional manner. Mining ventures have been known to end in disaster when based on hunches and remembrances.

One of our (Department of Mineral Resources) Engineers (probably myself) can visit the property with you to give you initial ideas on which way to proceed. The visit is a free service. At that time we can note conditions on the property, such as surface outcrops, condition of mine openings, quantity and type of material on dumps and suggest a way to proceed.

In summary, the historical data, regional geology and current metal prices warrant taking a look at the property and adjacent land for its mineral potential. Any detailed surveys, evaluations or opening, repairing and dewatering of the mine would require your hiring of independent professional engineering services or forming a joint venture with a mining or engineering company.

I am looking forward to meeting with you and visiting the property.

Sincerely,

Ken A. Phillips

Ken A. Phillips
Mineral Resources Engineer

KAP:mw

Enclosure

D R A F T
YEAGER MINE SALE LETTER

RE: YEAGER MINE AVAILABLE FOR PURCHASE
Location: 1 mile south of US 89A,
approx. 20 miles from Prescott
Price: $1,200,000
Terms: Flexible

This is to notify you of the current offering for sale of the Yeager Mine located in the Black Hills Mining District of Arizona. My ownership in the mine consists of eight patented mining claims totaling 165 acres of land.

Most of the production from the mine occurred prior to 1909 and the mine has apparently been inactive since 1923. There is an incline shaft to the 1,200 foot level with a vein as much as seven feet wide. The total yield to date is approximately 10,000,000 pounds of copper, 2,500 troy ounces of gold and 70,000 troy ounces of silver.

Enclosed you will find assay results from mine samples, recent assay results from the surface of the dump and tailings, and a copy of USGS Bulletin 782 for your inspection.

If you are interested in making an offer on the mine, negotiating a trade, discussing a joint venture, or just obtaining more information, please feel free to call or write me at: FREE WEST PROPERTIES, 10765 Woodside Avenue, Suite X, Santee, CA 92071, telephone: (714) 449-7633.

Sincerely,

William F. Bradley, Jr.

FREE WEST PROPERTIES 449-7633
10765 Woodside Ave., Suite X • Santee, CA 92071

April 24, 1980

Ken A. Phillips
Department of Mineral Resources
State of Arizona
Mineral Building, Fairgrounds
Phoenix, Arizona 85007

Dear Ken:

Enclosed you will find a draft of the letter we plan to send to exploration companies in Arizona, regarding the sale of the Yeager Mine. We would appreciate your perusal of the letter and any suggestions for improvement.

You had indicated to me at one time that you had access to the names and addresses of more exploration companies than those which were listed in the "Directory of Exploration Companies Active in Arizona". If you still have access to that information, I would appreciate it if you would forward it to me along with any comments you have on the enclosed letter.

Thank you in advance for your assistance in this regard. Please feel free to call with any questions you might have at any time.

Sincerely,

William F Bradley Jr.

William F. Bradley, Jr.

WFB:rw

Enc.

Yaeger Mine
Yavapai County

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER
CERTIFICATE NO.
2978
WALTER G.
STATLER
Date Signed .....
ARIZONA, U.S.A.

137

Block Hill Area

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92071

RECEIVED
APR 11 1980
DEPT. MINERAL RESOURCES
PHOENIX, ARIZONA

April 9, 1970

SAMPLE DESCRIPTION	Ref no.	Gold oz/ton	Silver oz/ton	Copper percent
D-1	03-18-25	.010	1.64	1.47
D-2	-26	Tr	Tr	0.65
D-3	-27	.014	0.12	0.52
D-4	-28	Tr	0.32	0.88
D-5	-29	.004	0.80	3.61
D-6	-30	.004	0.22	0.69
D-7	-31	Tr	0.64	1.97
D-8	-32	Tr	0.20	0.69
D-9	-33	Tr	0.18	0.72
D-10	-34	.008	0.36	1.36
D-11	-35	.006	0.38	1.43
T-1	-36	.010	0.86	1.87
T-2	-37	.006	1.06	2.00
T-3	-38	Tr	0.66	1.88
S-1	-39	.008	0.58	0.42
S-2	-40	.006	0.46	0.88
S-3	-41	.016	1.76	1.70
Acid Soluble on Tails				1.18

CHARGES $174.25 paid

ASSAYER

Ken Phillips
Ariz. State Dept. of Mineral Resources
State Fairgrounds
Phoenix, Ariz. 85007

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed ARIZONA, U.S.A.

38

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92701

April 19, 1980

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu Oxide
	Composite of samples D-1,2,5,7,10,11 T-1,2,3 S-3							1.18

CHARGES $4.00

ASSAYER

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed ARIZONA, U.S.A.

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92071

April 9, 1980

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D-9	-33	Tr	0.18	0.72		
D-10	-34	.008	0.36	1.36		
D-11	-35	.006	0.38	1.43		
T-1	-36	.010	0.86	1.87		
T-2	-37	.006	1.06	2.00		
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S-2	-40	.006	0.46	0.88		
S-3	-41	.016	1.76	1.70		

CHARGES $174.25 paid

ASSAYER

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed ..... ARIZONA, U.S.A.

39

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92071

April 9, 1980

SAMPLE DESCRIPTION	Ref no.	Gold oz/ton	Silver oz/ton	Copper percent
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D-9	-33	Tr	0.18	0.72
D-10	-34	.008	0.36	1.36
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T-1	-36	.010	0.86	1.87
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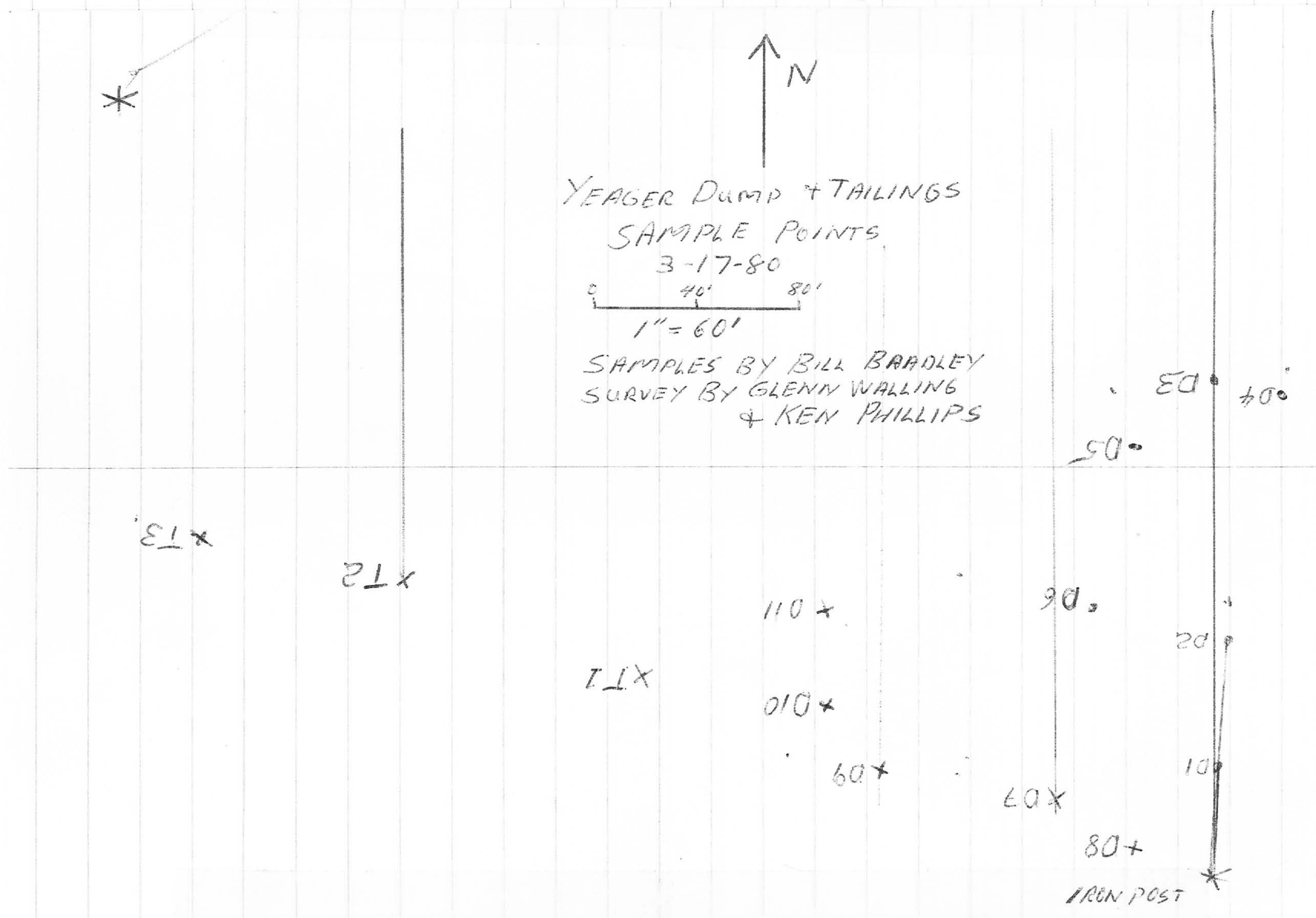
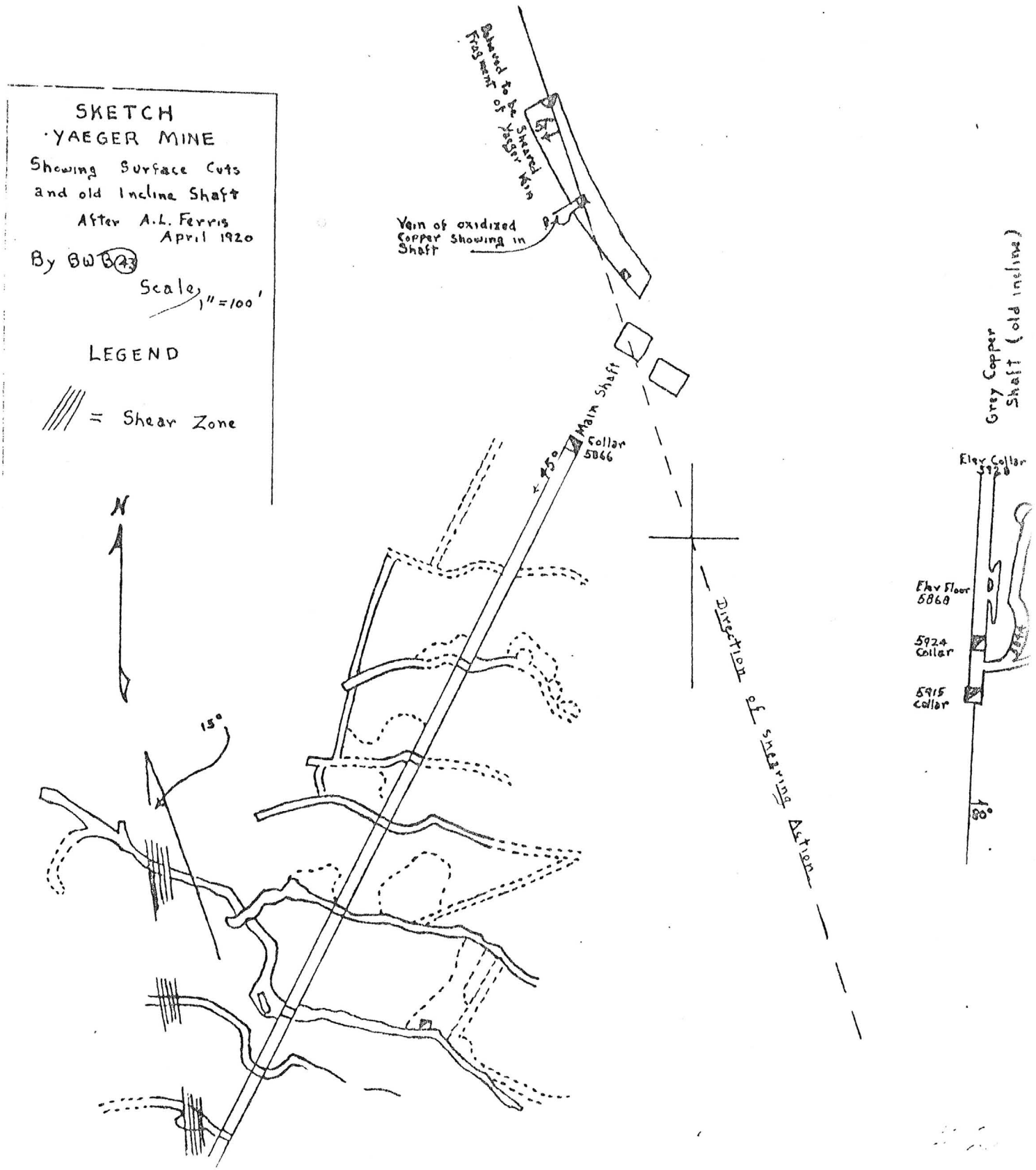
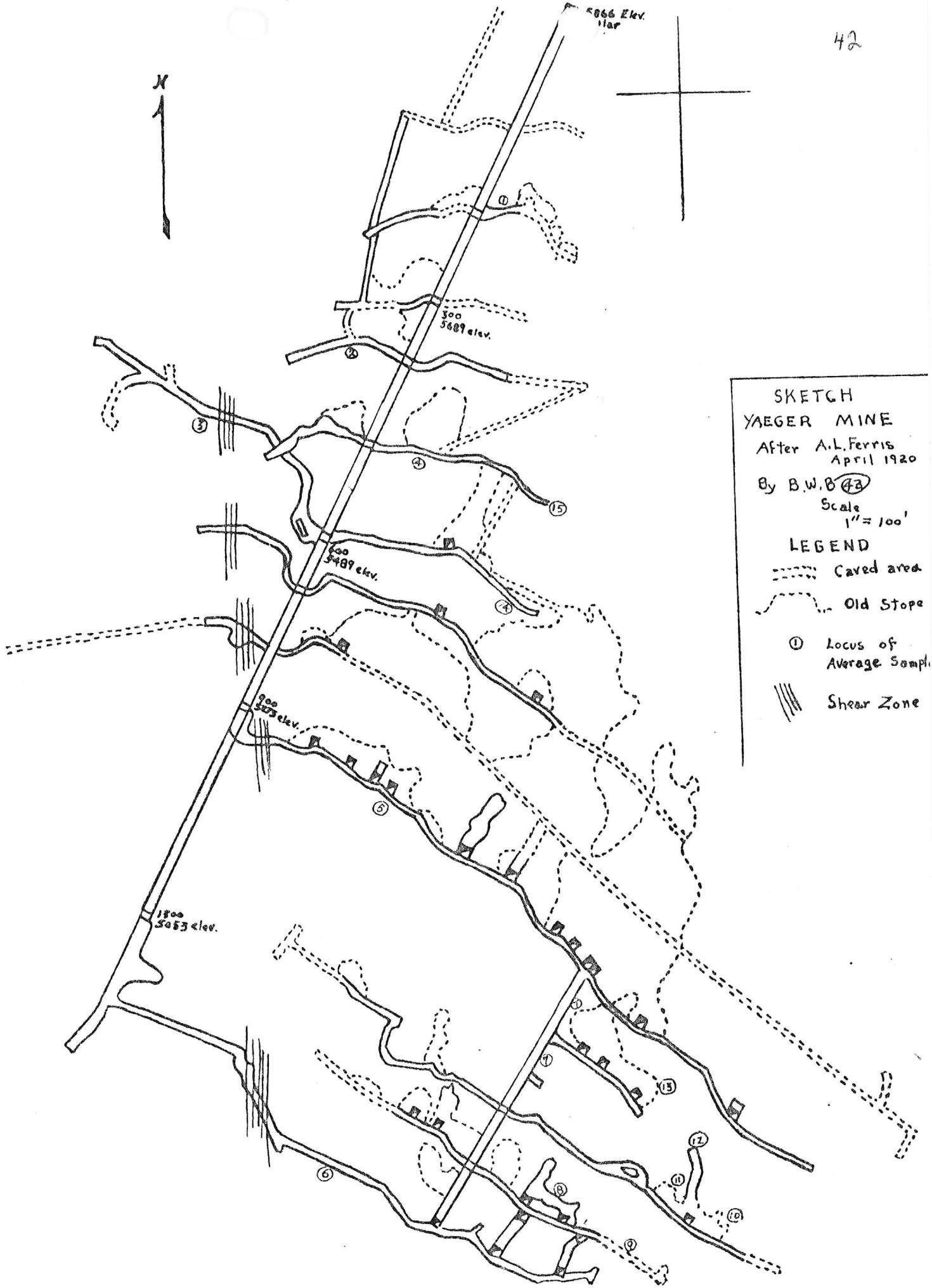
S-2	-40	.006	0.46	0.88
S-3	-41	.016	1.76	1.70

CHARGES $174.25 paid

ASSAYER _____


N
YEAGER DUMP + TAILINGS
SAMPLE POINTS
3-17-80
0 40' 80'
1" = 60'
SAMPLES BY BILL BRADLEY
SURVEY BY GLENN WALLING
+ KEN PHILLIPS
T1
T2
T3
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
IRON POST


SKETCH
YAEGER MINE
Showing Surface Cuts and old Incline Shaft
After A.L. Ferris
April 1920
By BWB
Scale 1" = 100'
LEGEND
= Shear Zone
Believed to be Fragment of Yaeger Vein
Sheared Vein
Vein of oxidized Copper Showing in Shaft
Main Shaft
Collar 5866
45°
Direction of Shearing Action
Grey Copper Shaft (old incline)
Elev Collar 5928
Elev Floor 5868
5924 Collar
5915 Collar
68°
N
15°


N
5866 Elev.
300
5689 elev.
600
5489 elev.
900
5293 elev.
1800
5053 elev.
SKETCH
YAEGER MINE
After A.L. Ferris
April 1920
By B.W.B 43
Scale
1" = 100'
LEGEND
Caved area
Old Stope
① Locus of
Average Sampl
Shear Zone

Conclusions

The results of the samples on the tailings show the need for more detailed study. They should be tested for silica (SiO_2) content and acid soluble copper. The impoundment should be surveyed and the quantity of tailings determined. Auger samples should be collected.

The results of the dump samples are inconclusive. Before detailed sampling of the dump is undertaken, the volume of the dump should be determined. Percent acid soluble copper should be determined on a composite sample.

The number of outcrop and vein samples were insufficient. More detailed examination of the surface of the property, other dumps and old workings would provide information necessary to determine if additional work is justified.

KAP:mw

Tailings Samples

Samples #T-1 through #T-3 were taken from the tailings impoundment below the west dump. The tailings samples were taken to ascertain the need for more detailed surveying, sampling and testing of the tailings. The results are tabulated below:

Sample	Gold Tr.oz.Au/Ton	Silver Tr.oz.Ag/Ton	Copper %
T-1	.01	.86	1.87
T-2	.006	1.06	2.00
T-3	Tr	.66	1.88

Outcrop and Vein Samples

Samples #S-1 through #S-3 were taken from exposures of veins. They are described below along with their assay results. The number of these samples taken are insufficient to draw any conclusion except the need for more sampling of exposed veins and outcrops. These samples do not represent the property's best possible exposures.

#S-1 -- Taken across vein in right rib of cut 15' above portal of shallow inclined shaft 150' east of main shaft. Sample is across 30" of vein material consisting of limonite, clay, copper oxides and quartz. Vein strikes S 83° E and dips 23° E. The sample ran: 0.008 tr.oz.Au/ton; 0.58 tr.oz.Ag/ton; and 0.42% Cu.

#S-2 -- Sample from pit on quartz-limonite vein outcroping west-southwest of shaft at #S-1. Entire width of the vein was not exposed. The outcrop strikes S 33° W (Outcrop #2, see report on mine visit, same date.). The sample ran: 0.006 tr.oz.Au/ton; 0.46 tr.oz.Ag/ton; and 0.88% Cu.

#S-3 -- Hand picked "good rock" from same outcrop as #S-2. The sample ran: 0.016 tr.oz.Au/ton; 1.76 tr.oz.Ag/ton; and 1.70% Cu.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine YEAGER ✓ Date March 17, 1980

District Black Hills (Yavapai County) Engineer Ken A. Phillips KAP

Subject: Samples

A total of seventeen samples for assay were taken from the Yaeger property on March 17, 1980. They consisted of eleven samples from the dump, #D-1 through #D-11; three samples from the tailings, #T-1 through #T-3, and three samples from outcrops, #S-1 through #S-3. Details of the samples and the results are listed below.

Dump Samples

Samples #D-1 through #D-11 were taken from the west dump (shown on the Hickey Mountain, Arizona 7½' U.S.G.S. Quadrangle as "Yeager Mine Tailings"). The samples were taken by breaking the surface of the dump with a pick and shoveling about two shovel fulls of dump material from each sample point into a sample bag. The location of the samples is shown on the sample map. The dump samples were taken to ascertain if detailed dump sampling might be justified. The results are tabulated below:

Sample #	Gold Tr.Oz.Gold/Ton	Silver Tr.Oz.Silver/Ton	Copper %
D- 1	.01	1.64	1.47
D- 2	Tr	Tr	.65
D- 3	.014	.12	.52
D- 4	Tr	.32	.88
D- 5	.004	.80	3.61
D- 6	.204	.22	.69
D- 7	Tr	.64	.197
D- 8	Tr	.20	.69
D- 9	Tr	.18	.72
D-10	.008	.36	1.36
D-11	.006	.38	1.43

MINE AND PROSPECT FIELD VISIT DATA SUMMARY

Sheet 1 of 2 46

COMMODITIES Copper, Silver and Gold

MILS ID No. _____ Date April 1980

ENGINEER Ken Phillips

INFORMATION FROM: Field Visit

PROPERTY SUMMARY

I. MINE NAME Yeager Mine OTHER POSSIBLE NAMES INCLUDING ANY CLAIM NAMES NOTED Yeager Canyon Mine
Queen Bee Mine

II. LOCATION: T 15N R 2E SEC(S) E½ 19, W½ 20 MINE DISTRICT Black Hills
ELEV. 6000' COUNTY Yavapai TOPO QUAD. _____
DIRECTIONS _____

MAP ATTACHED _____

III. OWNERSHIP: NAME William F. Bradley Jr. etal PHONE 714-449-7633
ADDRESS: 10765 Woodside Ave., Suite X, Santee, California 92071
COMPANY NAME IF ANY: Free West Properties
PERTINENT PEOPLE _____

IV. PROPERTY AND HOLDINGS: Patented Claims (165+ acres)

V. PAST PRODUCTION - NOTED, KNOWN, PROBABLE, UNKNOWN, NONE Yes

IV. CURRENT STATUS: Planned for subdivision for homes

IIV. WORKINGS: Numerous underground workings - generally inaccessible

IIIV. GEOLOGY AND MINERALOGY: DEPOSIT TYPE: Massive sulphide
LENGTH: _____ WIDTH: _____ VEIN STRIKE _____
HOST ROCK: Yavapai schist series
ECONOMIC MINERALS: Chalcopyrite, bornite, copper oxides.

COMMENTS: _____

IX. EQUIPMENT ON SIGHT: None

X. SAMPLING: NOTE TYPE IF ANY, DRILLING? Dump and tailings sampled by shallow surface pits on visit April, 1980

XI. REFERENCES AND REMARKS

May 13, 1980

RE: YAEGER MINE Available for Exploration
Lease and/or Purchase
Price: $1,200,000 (Final Purchase)
Terms: Flexible and conducive to exploration

Gentlemen:

I am the owner of the Yaeger Mine located in the Black Hills Mining District of Arizona, approximately 20 miles from Prescott, and would like to submit the property to mining and exploration firms that might have an interest in such an exploration target. My ownership in the mine consists of eight patented mining claims totaling 165 acres of land.

Most of the production from the mine occurred prior to 1923 and the mine has had only small activity since that date. There is an incline shaft to the 1,200 foot level with veins as much as seven feet wide. The total yield to date is approximately 10,000,000 pounds of copper, 2,500 troy ounces of gold and 70,000 troy ounces of silver.

Enclosed you will find assay results from mine samples, recent assay results from the surface of the dump and tailings, and a copy of USGS Bulletin 782 for your inspection. Also enclosed is a letter from Ken Phillips of the Arizona Department of Mineral Resources regarding the potential of the mine. (Mr. Phillips may be contacted for additional information at (602)225-3791).

If you are interested in making an offer to lease or buy the mine, discussing a joint venture, or just obtaining more information, please feel free to call or write me at: 11834 Rocoso Road, Lakeside, CA 92040, Telephone: (714)561-2285 Home; or (714)449-7633 Office.

Sincerely,

William F. Bradley Jr.

William F. Bradley, Jr.

WFB:rw

Enc.

IC 0H
48

FREE WEST PROPERTIES 449-7633
10765 Woodside Ave., Suite X • Santee, CA 92071

May 16, 1980

Ken A. Phillips
Department of Mineral Resources
State of Arizona
Mineral Building, Fairgrounds
Phoenix, AZ 85007

Dear Ken:

Enclosed you will find a copy of the letter, with accompanying enclosures, sent to exploration companies active in Arizona re the sale of the Yaeger Mine. We attempted to follow your suggestions as closely as possible.

I would like to take this opportunity to thank you for the time and effort you have expended on our behalf. It is very unusual to find anyone in government service in San Diego County who is willing to provide the quality service we have so courteously received from you.

As always, please feel free to call with any questions or concerns you might have. We will, of course, keep you apprised of any developments on the sale or lease of the mine.

Sincerely,

William F. Bradley

William F. Bradley, Jr.

WFB:rw

Enc.

STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES
MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA 85007
602/255-3791

March 11, 1980

Mr. Bill Bradley
10735 Woodside Avenue, Suite X
San Diego, California 92071

Dear Mr. Bradley:

Some information on the Yaeger Mine is enclosed.

Arizona Bureau of Geology and Mineral Technology Bulletin 140, Arizona Metal Production, credits the Yaeger Mine with production of 10,000,000 pounds of copper, about 2,516 troy ounces of gold, and approximately 70,000 troy ounces of silver. At present 1980 prices, that production would have a gross value of $16,000,000. It is not known whether or not the property was mined out.

Geology and Ore Deposits of the Jerome Area, Yavapai County, Arizona, by C.A. Anderson and S.C. Creasey, published in 1958 by the U.S. Geological Survey as Professional Paper 308, contains the most recent technical description of the property. A few items of particular interest are contained in that article, a copy of which is enclosed. Note that,

(1) Most of the production was prior to 1909.

(2) The mine has apparently been inactive since 1923.

(3) Activity since 1923 has consisted of attempts to reprocess dumps and tailings.

(4) The vein was up to 7 feet wide.

(5) The ore contained important amounts of copper and silver with some gold.

(6) The mine is now inaccessible; likely due to flooding with water.

Note also the sentence which states, "The ore was reported to contain about 0.65 ounces of silver to the ton and 1.0 percent copper, and was chiefly high grade." Such ore in today's terms for a small underground mine is definitely not high grade and in 1926 I doubt it was either. The sentence is probably a misquote from the 1926 publication referenced. The actual reference from W. Lindgren's U.S. Geological Survey Bulletin 782, Ore Deposits of the Jerome and Bradshaw Mountains Quadrangles, Arizona, 1926, is "The ore is said to contain 0.65 ounces of silver to (each) 1 percent of copper. Much of the ore has been of high grade." A copy is enclosed.

The 1924 edition of The Mines Handbook mentions development work on the Yaeger Mine by the Shannon Copper Company. The ore developed is reported as averaging 12% copper. We might infer by the copper-silver ratio discussed above that that ore might average 7.8 ounces per ton silver. I can find no notation as to the quantity of ore that was developed or whether or not it was mined out.

Our file on the property indicates attempts were made to leach copper from the mine's dumps in the early 1960's by a group known as "SKS Mineral Processing" or H. R. Scott & Son. Apparently they ran out of funds before the operation got started.

The potential of an old mine is very difficult to determine and such evaluation can be costly. On the other hand, the effort occasionally pays off many many fold. If an attempt is made to perform such an evaluation, it must be done in a businesslike and professional manner. Mining ventures have been known to end in disaster when based on hunches and remembrances.

One of our (Department of Mineral Resources) Engineers (probably myself) can visit the property with you to give you initial ideas on which way to proceed. The visit is a free service. At that time we can note conditions on the property, such as surface outcrops, condition of mine openings, quantity and type of material on dumps and suggest a way to proceed.

In summary, the historical data, regional geology and current metal prices warrant taking a look at the property and adjacent land for its mineral potential. Any detailed surveys, evaluations or opening, repairing and dewatering of the mine would require your hiring of independent professional engineering services or forming a joint venture with a mining or engineering company.

I am looking forward to meeting with you and visiting the property.

Sincerely,

Ken A. Phillips

Ken A. Phillips
Mineral Resources Engineer

KAP:mw

Enclosure

W.

May 13, 1980

Essex Group United Technology
1802 W. Grant, Suite 110
Tucson, AZ 85705

RE: YAEGER MINE Available for Exploration
Lease and/or Purchase
Price: $1,200,000 (Final Purchase)
Terms: Flexible and conducive to exploration

Gentlemen:

I am the owner of the Yaeger Mine located in the Black Hills Mining District of Arizona, approximately 20 miles from Prescott, and would like to submit the property to mining and exploration firms that might have an interest in such an exploration target. My ownership in the mine consists of eight patented mining claims totaling 165 acres of land.

Most of the production from the mine occurred prior to 1923 and the mine has had only small activity since that date. There is an incline shaft to the 1,200 foot level with veins as much as seven feet wide. The total yield to date is approximately 10,000,000 pounds of copper, 2,500 troy ounces of gold and 70,000 troy ounces of silver.

Enclosed you will find assay results from mine samples, recent assay results from the surface of the dump and tailings, and a copy of USGS Bulletin 782 for your inspection. Also enclosed is a letter from Ken Phillips of the Arizona Department of Mineral Resources regarding the potential of the mine. (Mr. Phillips may be contacted for additional information at (602)225-3791).

If you are interested in making an offer to lease or buy the mine, discussing a joint venture, or just obtaining more information, please feel free to call or write me at: 11834 Rocoso Road, Lakeside, CA 92040, Telephone: (714)561-2285 Home; or (714)449-7633 Office.

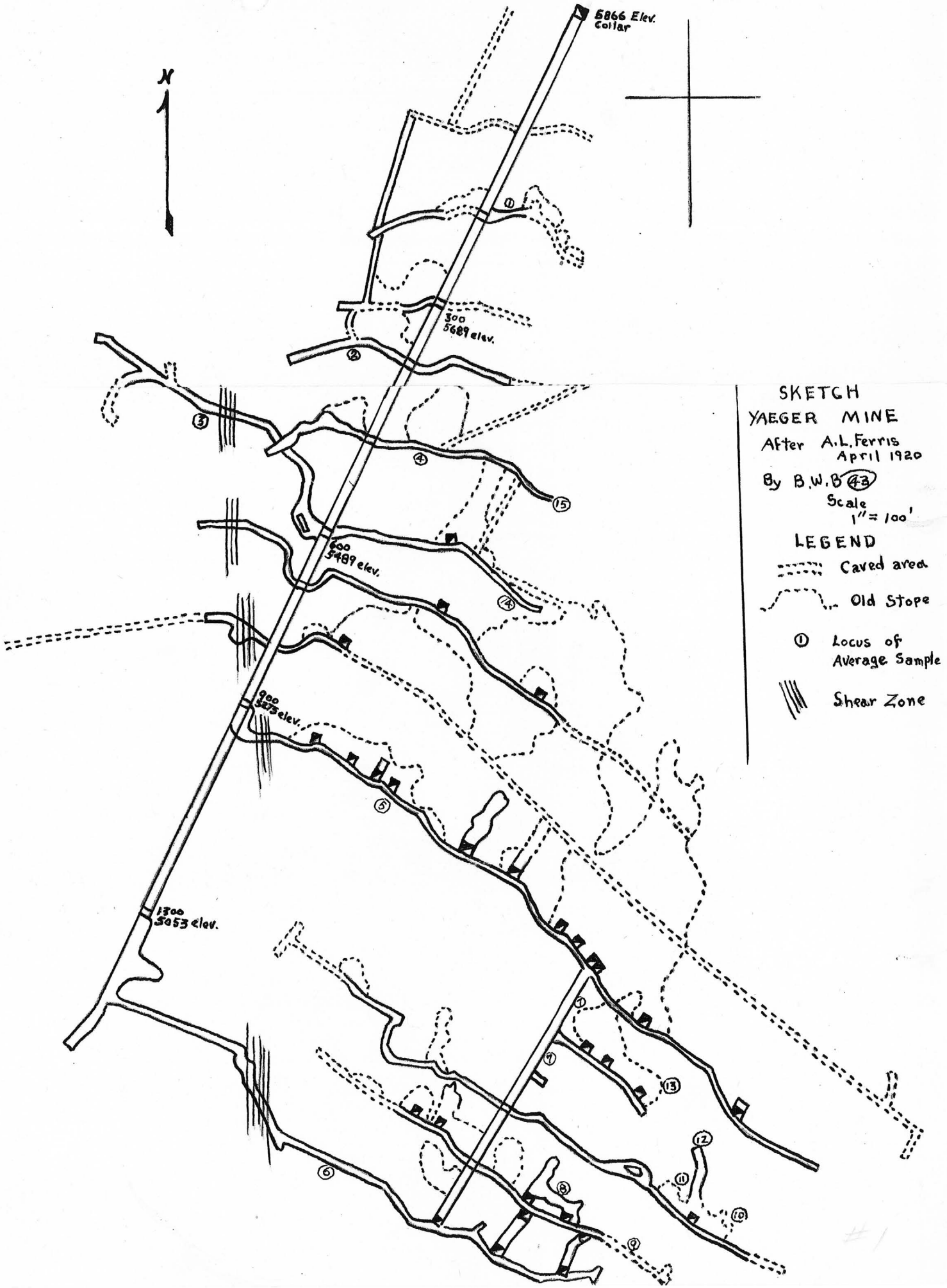
Sincerely,

William F. Bradley Jr.

William F. Bradley, Jr.
11834 Rocoso Rd.
LAKESIDE, CA 92040

WFB:rw

Enc.


5866 Elev.
Collar
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300
5689 elev.
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900
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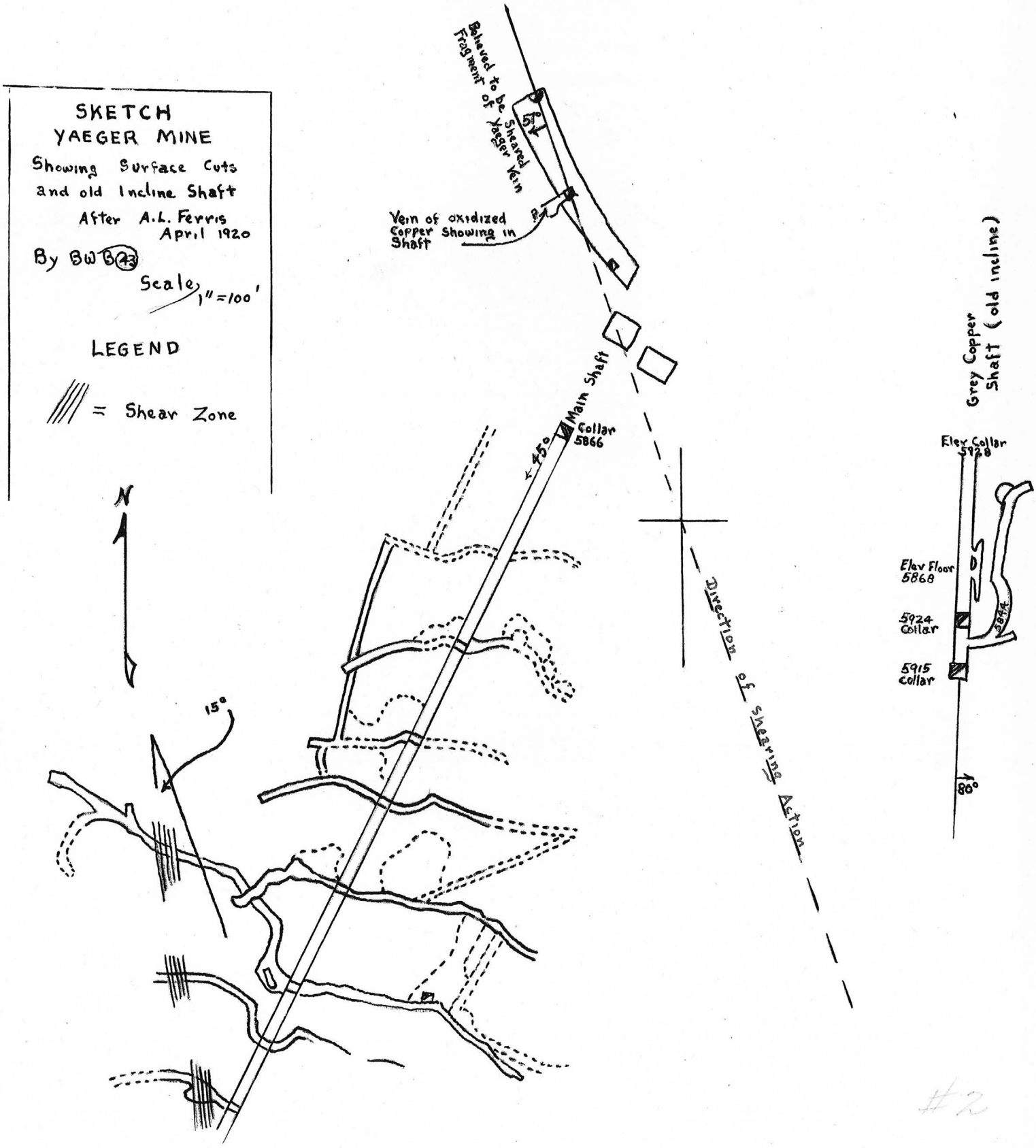
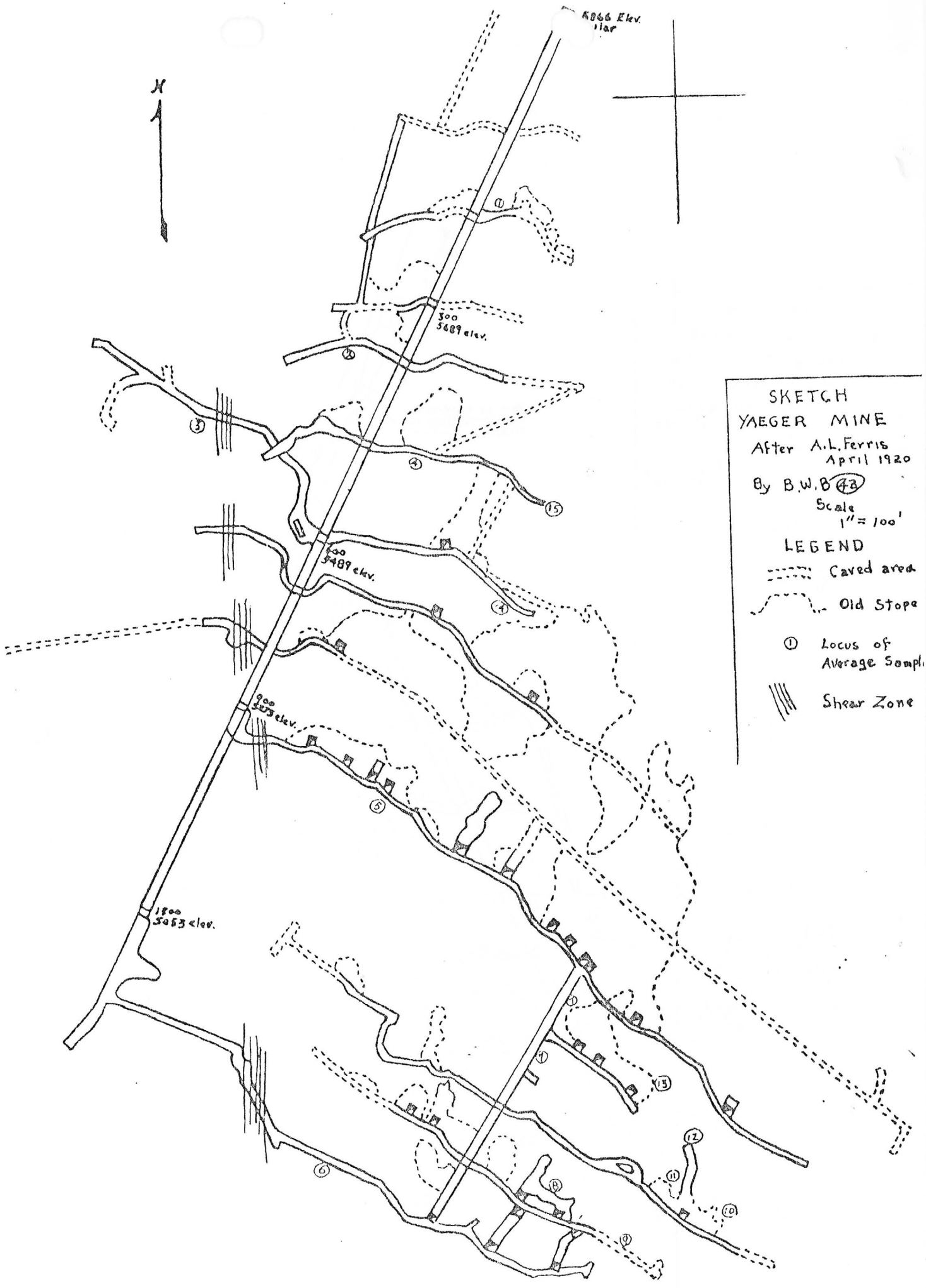
1200
5053 elev.
SKETCH
YAEGER MINE
After A.L. Ferris
April 1920
By B.W.B 43
Scale
1" = 100'
LEGEND
Caved area
Old Stope
① Locus of Average Sample
Shear Zone


SKETCH
YAEGER MINE
Showing Surface Cuts and old Incline Shaft
After A.L. Ferris
April 1920
By BW
Scale 1" = 100'
LEGEND
= Shear Zone
Believed to be Sheared Fragment of Yaeger Vein
Vein of oxidized Copper Showing in Shaft
Main Shaft
Collar 5866
45°
Direction of Shearing Action
N
15°
Grey Copper Shaft (old incline)
Elev Collar 5928
Elev Floor 5868
5924 Collar
5915 Collar
80°

#2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① Locus of Average Sample
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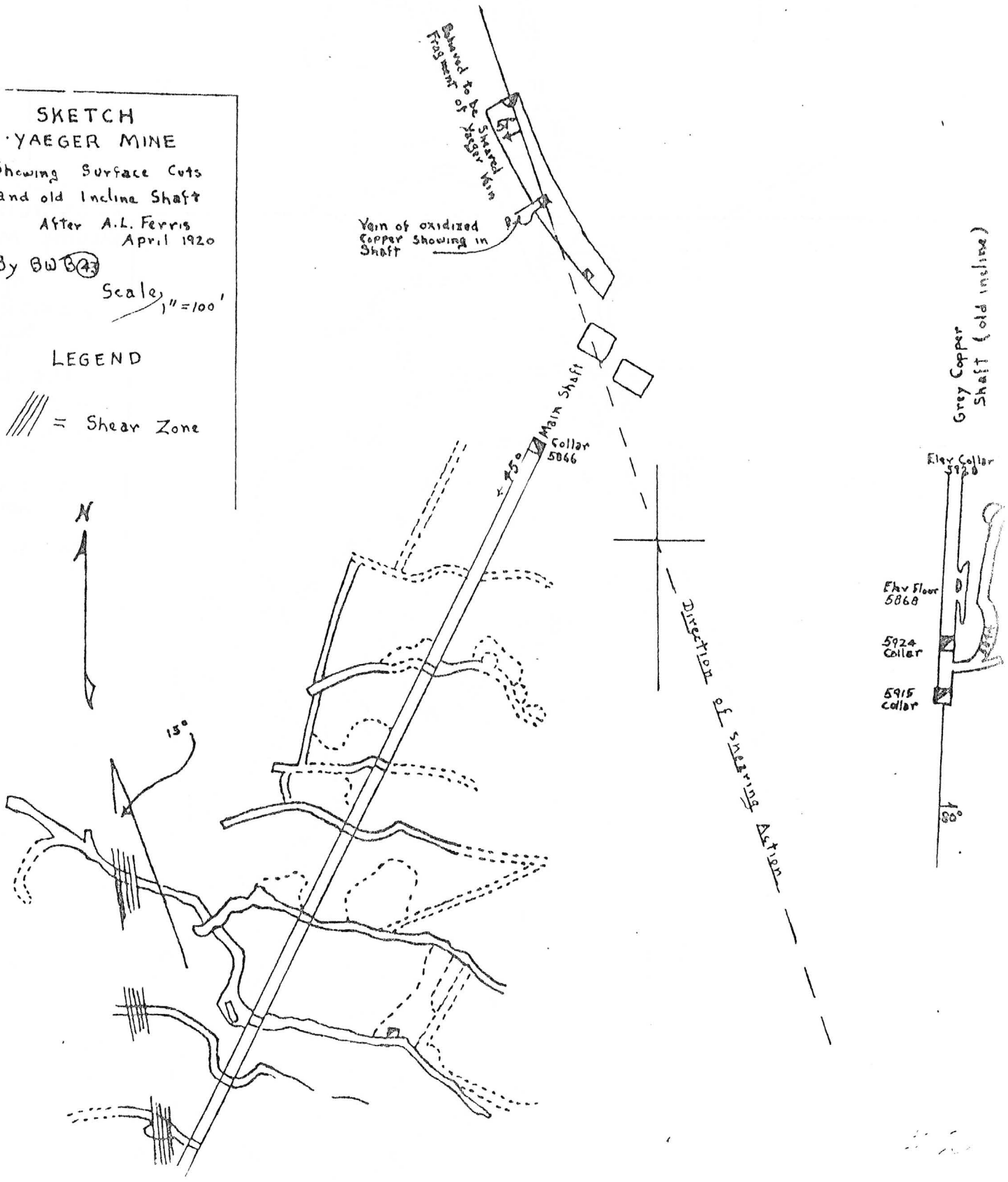
YAEGER MINE
Showing Surface Cuts
and old Incline Shaft
After A.L. Ferris
April 1920
By BW B4

Scale, 1" = 100'

LEGEND

= Shear Zone



IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 14 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER
CERTIFICATE NO. 2978
WALTER C. STATLER
Date signed
ARIZONA, U.S.A.

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92701

April 19, 1980

REF. NO.	DESCRIPTION	oz/ton Au	oz/ton Ag		% Fe	% Pb	% Zn	% Cu Oxide
	Composite of samples D-1,2,5,7,10,11 T-1,2,3 S-3							1.18

CHARGES $4.00

ASSAYER

IRON KING ASSAY OFFICE

ASSAY CERTIFICATE

BOX 247 — PHONE 632-7410
HUMBOLDT, ARIZONA 86329

REGISTERED ASSAYER CERTIFICATE NO. 2978 WALTER G. STATLER Date Signed ARIZONA, U.S.A.

ASSAY MADE FOR

FREE WEST PROPERTIES INC.
10765 Woodside Ave.
Santee, Cal. 92071

April 9, 1980

SAMPLE DESCRIPTION	Ref no.	Gold oz/ton	Silver oz/ton	Copper percent
D-1	03-18-25	.010	1.64	1.47
D-2	-26	Tr	Tr	0.65
D-3	-27	.014	0.12	0.52
D-4	-28	Tr	0.32	0.88
D-5	-29	.004	0.80	3.61
D-6	-30	.004	0.22	0.69
D-7	-31	Tr	0.64	1.97
D-8	-32	Tr	0.20	0.69
D-9	-33	Tr	0.18	0.72
D-10	-34	.008	0.36	1.36
D-11	-35	.006	0.38	1.43
T-1	-36	.010	0.86	1.87
T-2	-37	.006	1.06	2.00
T-3	-38	Tr	0.66	1.88
S-1	-39	.008	0.58	0.42
S-2	-40	.006	0.46	0.88
S-3	-41	.016	1.76	1.70

CHARGES $174.25 paid

ASSAYER

AVERAGE COMPOSITE OF ASSAYS

YAEGER MINE

After assay map by A. L. Ferris

Sketch Map Number	Width Ft.	Cu%	Ag/oz.	Number of assays averaged
1)	1.6	1.44		2
2)	.5	1.83		4
3)	1.2	.05		2
4)	1.7	4.02		6
5)	1.4	1.65	1.45	2
6)	1.7	.22	0	5
7)	3.5	6.22	3.9	14
8)	2.2	7.56	4.8	3
9)	1.0	12.24	10.00	1
10)	1.2	12.12		3
11)	1.2	2.63	1.00	3
12)	.7	11.18	2.7	3
13)	1.2	6.50	6.1	3
14)	2.0	2.81		2
15)	1.7	.1		

From U.S. Geol. Survey Bull. Paper Bulletin 782

Copper, lead, gold, and silver produced in Black Hills district, 1904–1923

[Compiled by V. C. Heikes, U. S. Geological Survey]

Year	Crude ore (tons)	Copper (pounds)	Lead (pounds)	Gold (fine ounces)	Silver (fine ounces)	Total value
1904	4,012	278,050			11,310	$42,150
1905	7,505	373,600			13,076	66,186
1906	3,063	285,303			11,085	62,601
1907	779	149,302	8,420	5.37	7,429	35,329
1908	61	34,060		5.74	926	5,133
1909	68	1,739	11,010	23.43	685	1,589
1910						
1911	73	2,599		.73	654	687
1912	30	4,151		2.39	39	738
1913	48	11,975		1.49	604	3,252
1914						
1915						
1916						
1917	24	3,488		.23	88	1,030
1918	33	6,485		.65	177	1,792
1919	67	19,594		6.69	753	4,626
1920	54	16,826		1.09	561	3,728
1921	40			12.09	2	250
1922	773	205,988		16.07	8,095	44,335
1923	26	2,058		11.34	64	589

YAEGER MINE

The Yaeger mine, in the western foothills of the Black Hills about a mile south of the road from Prescott to Jerome, at an altitude of 5,400 feet, was idle in 1922, except for some shipments of rich copper ore from the dump. For many years copper ore has been shipped from this deposit. It is now the property of the Shannon Copper Co., A. L. Ferris, manager. Up to 1919 the yield is said to be 9,627,987 pounds of copper, 2,466 ounces of gold, and 77,134 ounces of silver.[44] The mine is developed by an inclined shaft to the 1,300-foot level, with drifts extending mostly to the east a maximum distance of 750 feet. In 1922, 800 tons of copper-silver ore was shipped to the Humboldt smelter. The property has been dismantled and all work discontinued.[44a]

The brown, brushy hills around the Yaeger mine are of complex structure. Below the mine white fissile sericitic schists crop out. At the mine is exposed a dioritic fine-grained rock showing veinlets of epidote and also veinlets of calcite and bornite; above the mine are vertical greenish slates striking due north and also much of a massive fragmental rock that is perhaps a diabase tuff. The "diorite" shows in thin section as a somewhat sheared diorite porphyry with large phenocrysts of oligoclase-andesine in a trachytic groundmass of minute feldspar laths. There is a great deal of secondary chlorite, epidote, and calcite.

The deposit is a fissure vein striking east and having a dip of 35° S. The width is as much as 7 feet; in places there was 3 feet of clear bornite. The ore contains calcite, quartz, bornite, and tennantite, with a little pyrite. There is some secondary chalcocite, and also fine azurite and malachite. The structure of the ore is mainly massive, with rather large aggregates of both bornite and tennantite. In places these two minerals are intergrown. More or less oxidized ore occurs near the surface. There is no chalcocite zone, properly so called. A polished section of the rich ore shows quartz (oldest), tennantite, partly replaced by bornite, and the bornite in turn cut by narrow veinlets of chalcopyrite. The mine makes about 18,000 gallons of water a day. The ore is said to contain 0.65 ounce of silver to 1 per cent of copper. Much of the ore has been of high grade. The ore shoot pitches to the east beginning near the collar of the shaft; it is apparently 200 to 300 feet long in the middle levels but becomes small on the 1,300-foot level.

The composition of the ore is unusual, and there is no definite evidence of the age of the deposit. Probably it is pre-Cambrian.

[44a] W. M. Mines Handbook, 1922, p. 330

SHYLOCK MINE

The Shylock mine, idle for many years, is in the eastern foothills of the Black Hills, 4 miles due south of the Yaeger mine. It is accessible by an old road from Grapevine Gulch. The altitude is 5,800 feet. The mine is developed by an inclined shaft said to be 1,500 feet deep. Yavapai slates, in places fissile, form the principal country rock; an embayment of the main Bradshaw granite area reaches up from the south nearly to the mine. There are also greenstone schists in the vicinity. The Shylock shaft appears to be sunk on a vein striking east-northeast and dipping 60° S. To judge from the dump the ore contained quartz, tetrahedrite, galena, and sphalerite. It is not known whether any shipments were made.

Further information regarding the prospects in this vicinity has been kindly supplied by Mr. P. C. Benedict, of Jerome, who writes as follows:

> Near the Shylock mine the Yavapai schist seems to be divisible into three parts:
>
> 1. The fissile sedimentary schists, brown or red, forming a continuous belt along the lowest foothills. The strike is northerly, the dip vertical. These phyllites contain some beds of sandstone and thin conglomerates, with steep dips.
>
> 2. A "greenstone" occupying the hills east of the Shylock and appearing again in Grapevine Creek, east of the granite contact. This is in part an andesite, in part perhaps a fine-grained diorite.
>
> 3. A sedimentary rock, apparently inclosed in greenstone, east of the granite contact on Grapevine Creek. It is a blocky dense rock of dark-brown color similar to the "bedded sediments" of the pre-Cambrian at Jerome. The bedding is flat, and the rocks contain thin strata of hematite.

Anyone who goes over our holdings, examines the formations on our claims and surrounding groups, must come to the conclusion that we have an excellent chance to open a big paying mine, also that we can put it on a dividend paying basis with an astonishingly small outlay.

The YAEGER COPPER COMPANY was organized with 2,000,000 shares of stock, having a par value of 50 cents a share, and 1,200,000 shares are still in the treasury. It does not owe a cent. The Arizona Corporation Commission has issued a permit for the sale of 200,000 shares at ten cents. Under the Arizona law, not more than 20 percent of the proceeds of the sale of mining stock may be spent as brokers' commissions or as other selling expenses. Eighty percent must go into the ground, and mut be accounted for strictly. The books of any mining company are subject to examination by the Commission at any time. The YAEGER COPPER COMPANY is going a step farther and will welcome the inspection of its books at any time by any stockholder. It has started with a clean slate and that slate is going to be kept clean. Those who know the men responsible for the administration of its affairs do not need to be told that every stockholder will be given a square deal and a run for his money.

E. H. Oldham, president of the YAEGER COPPER COMPANY, was formerly with the United States Forest Service. On behalf of the service he examined various mining properties on which patent was sought. He has had practical mining experience in both Arizona and New Mexico.

Dr. L. L. Lindsey, vice-president,, was formerly in charge of the United Verde medical department at Clarkdale. B. C. Pilcher, secretary and treasurer, is proprietor of the Jerome Drug Company and one of the most successful business men of this place.

We have secured the services of B. C. Pilcher, Sr., as permanent superintendent of all development work. His ability as an expert and mine manager has been demonstrated fully during the last 40 years in the mineral regions from Alaska to Mexico.

Every statement made here can be authenticated. If we have erred it has been on the side of conservatism.

We are going to sell 200,000 shares of stock, and the proceeds should be more than sufficient to carry out our plans. Machinery will be purchased and the ore opened if it is there. When our property is on a producing basis, those who have assisted us in our enterprise will profit enormously.

Respectfully Submitted,

Jerome, Ariz., May, 1917. YAEGER COPPER COMPANY.

References: Any bank or business firm in Jerome.

The Jerome News Print

Mainly About Copper

Yaeger Copper Company

(Incorporated)

Jerome, Arizona

E. H. Oldham
President

Dr. L. L. Lindsey
Vice President

B. C. Pilcher
Sec'y-Treas.

Yaeger Copper Company

THIS LITTLE FOLDER is issued for the purpose of placing before you one of the best, fairest and most legitimate mining propositions ever presented to the public.

The YAEGER COPPER COMPANY, of Jerome, Arizona, is going to open one of the biggest and most profitable mines in the country, and that before many months have passed.

If this prediction does not come true it will be because the best possible geological indications—indications whch have never failed to lead to a mine when developed properly—mean nothing.

It is inconceivable that the great iron and quartz-porphyry dikes which cross the property of the YAEGER COPPER COMPANY mean nothing.

When an expert sets about investigating a copper prospect he first inquiries about the iron on the surface. For copper is invariably associated with iron. Never has a great deposit of copper been opened that did not leach down from iron above.

But iron is not an absolute indication of copper. There may never have been copper with the iron.

We know, however, that the great iron dikes of the YAEGER COPPER COMPANY'S property were once dikes of iron and copper. Not all the copper has been leached out. Flecks of azurite, malachite and less spectacular forms of copper carbonate remain in the iron.

The YAEGER COPPER COMPANY'S holdings include 26¼ claims, or 525 acres, about four miles southwest of Jerome and on the opposite slope of the Black Hills range. It borders on the south and west the famous famous old Yaeger Canyon mine, where the powerful Shannon Copper Company is now developing quantities of high-grade ore at shallow depths. It borders on three sides the Cook, Bradley and Russell claims, which also have commercial ore. It touches the City of Butte group, in which several prominent Jerome mining men are interested. Another well known nearby property is the Cowboy group, which lies to the north and is also owned by this Company.

The YAEGER COPPER COMPANY'S ground has long been regarded as being among the most promising in the vicinity of Jerome, the world's greatest copper camp. Some of the territory was located as much as 36 years ago. Ores from several shallow workings were treated in a primitive arastra for the recovery of their gold values. No attention was paid to the copper values as in those days the market value of the red metal was low, transportation and smelting facilities were lacking.

A number of iron dikes, from four to 100 feet wide, cross the property in a general north-to-south direction. These are parallel with great dikes of quartz-porphyry, which intersect the iron at various points. At the points of intersection the copper values are higher than elsewhere. In several places there are cross dikes of diorite and schist. Serpentine and shale are also visible at various places. All these dikes originate on the north end of the Cowboy group, pass through the Cook claims, across the YAEGER COPPER COMPANY'S ground, and extend on into the Shannon property.

The principal dike of this series is about 100 feet wide. At a depth of ninety feet in this dike, on one of the Cook claims, only a few feet north of the Yaeger line, a large body of copper-gold ore was recently opened.

A sixty-foot shaft, sunk in one edge of this same dike, is the principal working on Yaeger ground. From collar to bottom the gold and copper values increase steadily, bearing out the theory that quantities of those metals have leached downward and will be found at water level, usually about 110 feet from the surface in that vicinity.

The main working of the Shannon company is an incline shaft only 1,000 feet south of our line. In cleaning out the shaft, glance, bornite and gray copper averaging twenty-three percent in the red metal were encountered at a perpendicular depth of 135 feet. The shaft is now open down to the 300-foot level and the values are increasing steadily with depth. Before the Shannon Copper Company took hold of this mine it had a good record as a producer of copper and gold.

The YAEGER COMPANY'S development plan is to install machinery and sink the present sixty-foot shaft to a depth of 150 feet without delay, cross-cutting the dike at the 100 and 150-foot levels. The present showing in the shaft and those at neighboring properties indicate that the main ore body should be encountered at a depth of not more than 125 feet. It is not necessary to sink through hundreds of feet of lime, malpai and sandstone as it is nearer to Jerome.

This property is admirably situated for cheap development and operation. Yaeger Siding, on the Crown King railroad, is only six miles away. There is an excellent wagon road to the siding and the grade is downhill all the way. The Humboldt custom smelter is only fourteen miles from the mine by auto road and nine miles from the siding. Supplies and equipment can be purchased at Prescott, eighteen miles away, shipped to the siding by rail and freighted from there to the claims at a minimum of expense. The Company owns the rights to plenty of water for mine operations and plenty of timber to last several years is on the ground. The Arizona Power Company's transmission line crosses the property, making electric power available.

...LL, DOUGL...
...MAN
...ONSON, GLOBE

PHOENIX, ARIZONA

AND ... TO THE
BOARD OF GOVERNORS

FIELD OFFICES AT
GLOBE - KINGMAN
PRESCOTT - TUCSON

June 23, 1941

REPLY TO

Mr. Evert Breckenridge
Clemenceau, Arizona

Dear Mr. Breckenridge:

I have your questionnaire relative to the Yeager Group of mines, and you give us no information at all as to the amount of copper that the Yeager Group could produce. It would appear that the investment that you specify, would be for development work, and this survey is only intended to cover the potential copper production from properties which already have developed ore reserves and need only plants to take out the ore. We cannot tell from your questionnaire as to whether you come within that scope or not, and we would appreciate your advice.

I am sending you a blank to be used for the Butternut Mine.

I hope that you can get this information back to us very promptly as we are supposed to complete this report and get it back to Washington by the end of this month.

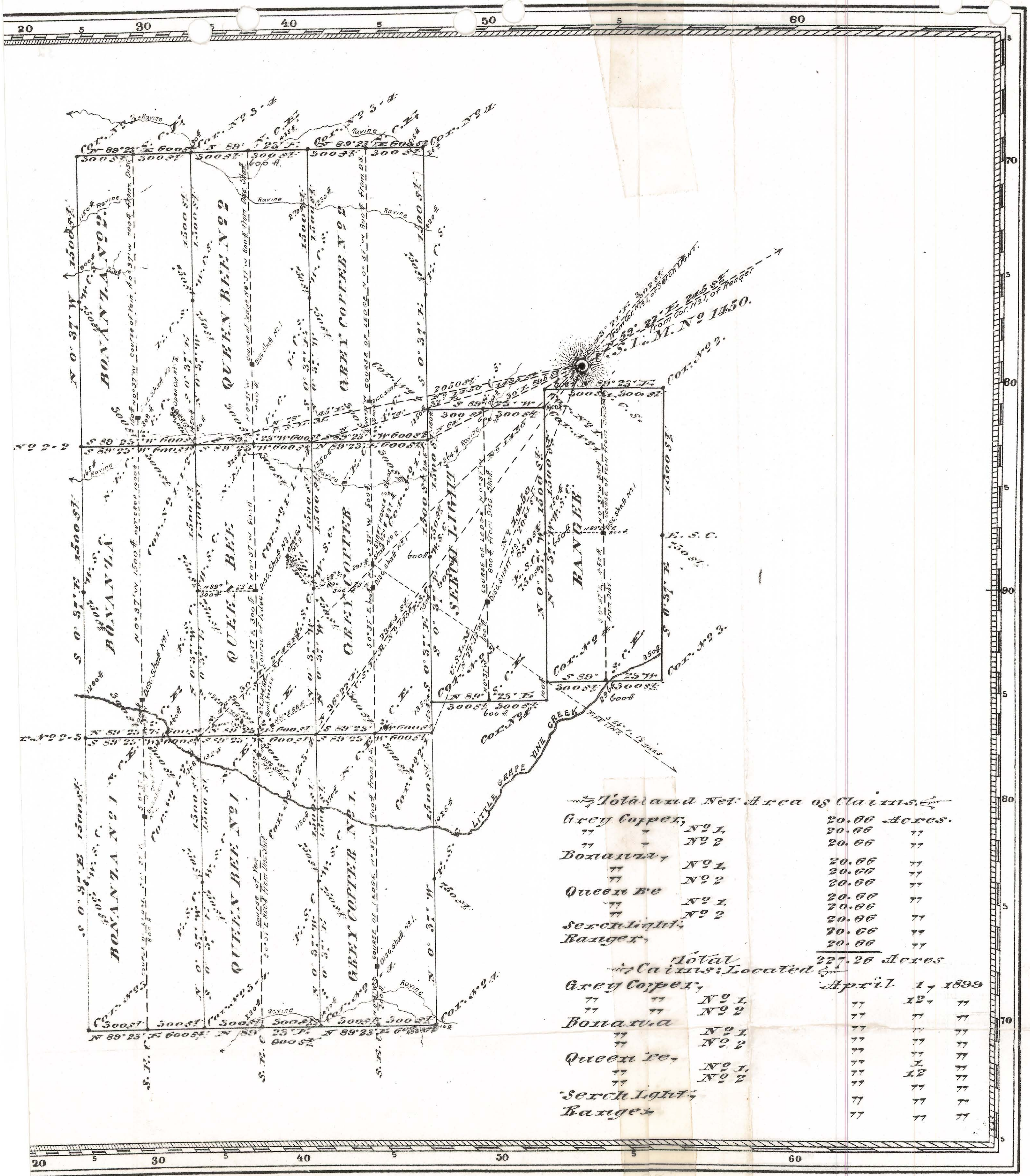
Thanking you and with kindest personal regards, I am

Yours very truly,

Charles F. Willis
Chairman, Board of Governors
Arizona Department of Mineral Resources

CFW:LP
Enc.

I am running a Cross cut and when I get to the ore will be able to tell you all about it there is plenty of ore there I am sure but will run this Cross cut to depelop it at more depth. was away from home when this letter came I am answering as soon as possible



Total and Net Area of Claims.

Grey Copper,		20.66	Acres.
" "	N° 1.	20.66	"
" "	N° 2	20.66	"
Bonanza,	N° 1.	20.66	"
"		20.66	"
"	N° 2	20.66	"
Queen Be		20.66	"
"	N° 1.	20.66	"
"	N° 2	20.66	
Serch Light.		20.66	"
Ranger,		20.66	"
		20.66	"
Total		227.26	Acres

Claims: Located

Grey Coper,		April	1,	1899
" "	N° 1.	"	12,	"
" "	N° 2	"	"	"
Bonanza		"	"	"
"	N° 1	"	"	"
"	N° 2	"	"	"
Queen Be,		"	"	"
"	N° 1.	"	1	"
"	N° 2	"	12	"
		"	"	"
Serch Light,		"	"	"
Ranger		"	"	"

Claim Located 18

Mineral Survey N° 1450. 131

Lot N° ....

PRESCOTT Land District.

PLAT

OF THE CLAIM OF

Joe Askew et: al.

KNOWN AS THE

BONANZA, BONANZA N° 1, and N° 2.
QUEEN BEE, QUEEN BEE N° 1 and N° 2
GREY COPPER, GREY COPPER N° 1, and N° 2
SERCH LIGHT and RANGER LODES,
IN Black Hills MINING DISTRICT,
Yavapai COUNTY, Arizona
Containing an Area of 227.26 Acres.
Scale of 500 Feet to the inch.
Variation 14° 13' E.
SURVEYED Jany. 22 to Feby. 3, 1900 BY

R. C. Powers, U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of Joe Askew et al. known as the BONANZA, BONANZA N° 1 and N° 2 QUEEN BEE, QUEEN BEE N° 1 and N° 2 GREY COPPER, GREY COPPER N° 1 and N° 2 SERCH LIGHT and RANGER lodes. from which this plat has been made under my direction, have been examined and approved, and are on file in this Office; and I hereby certify that they furnish such an accurate description of said Mining Claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the locus thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon said Mining Claim by claimants or their grantors, and that said improvements consist of 12 Shafts, 2 Cuts, Bunk Houses, Boarding House, Hoisting works, 1½ Miles of pipe line Shops, etc., etc., that the location of said improvements is correctly shown upon this plat, and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office. George Christ
Tucson, Ariz. U.S. Surveyor General for
May 2, 1900 Arizona.