CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
1520 West Adams St.
Phoenix, AZ 85007
602-771-1601
http://www.azgs.az.gov
inquiries@azgs.az.gov

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

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

PRINTED: 07/05/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: GIBBS PROSPECTS

ALTERNATE NAMES:
COPPER FLAT
CRYSTAL MOUNTAIN

YAVAPAI COUNTY MILS NUMBER: 443

LOCATION: TOWNSHIP 10 N RANGE 7 W SECTION 29 QUARTER W2
LATITUDE: N 34DEG 10MIN 45SEC LONGITUDE: W 113DEG 00MIN 40SEC
TOPO MAP NAME: DATE CREEK RANCH - 7.5 MIN

CURRENT STATUS: EXP PROSPECT

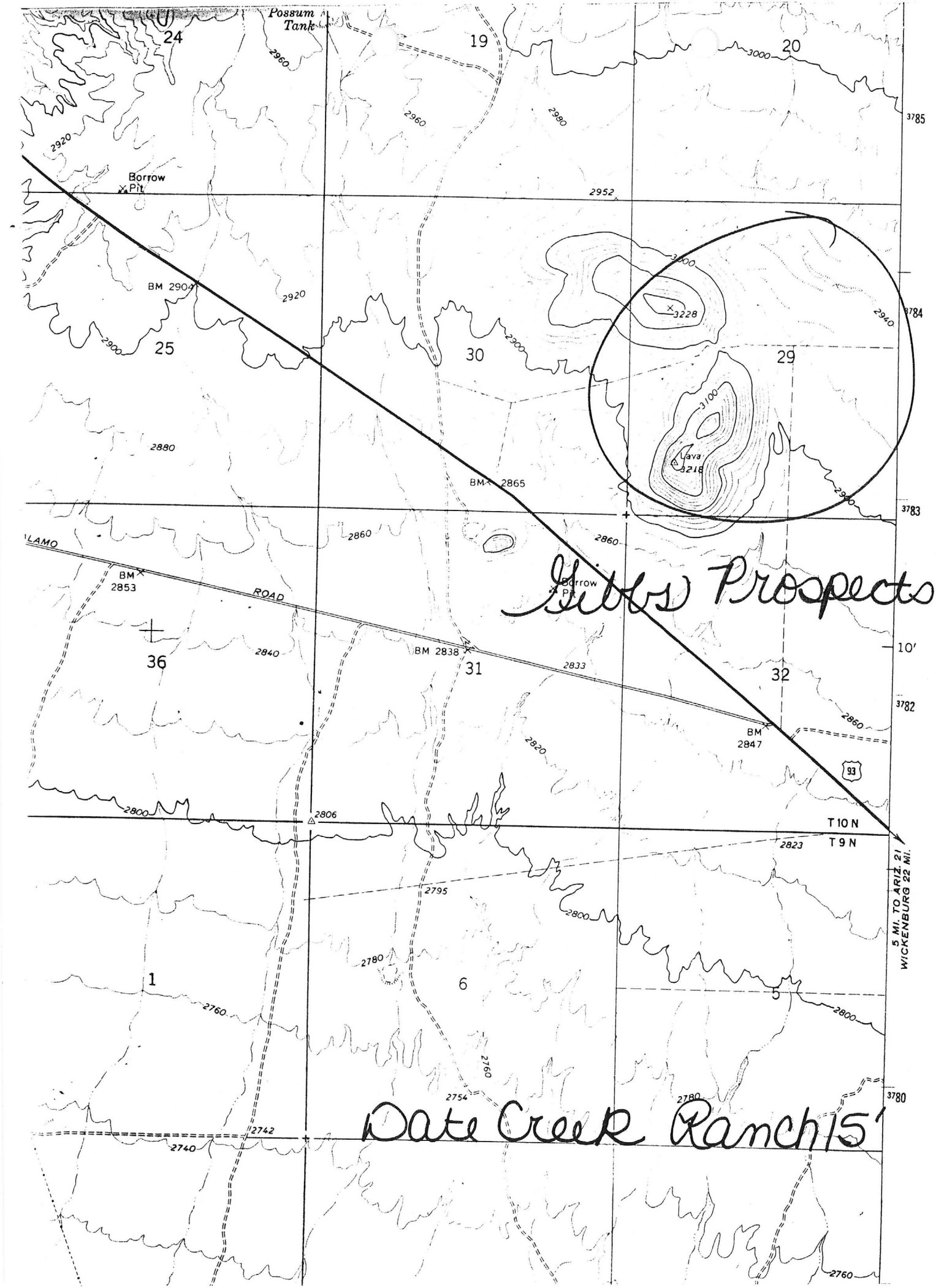
COMMODITY:
COPPER OXIDE

BIBLIOGRAPHY:
ADMMR GIBBS PROSPECTS FILE

GIBBS PROSPECTS

YAVAPAI COUNTY
MARTINEZ (CONGRESS)
T10N R7W Sec. 29

Date Creek 15' Quad (included in file)


Possum Tank
24
19
20
3000
2960
2980
3785
2920
Borrow Pit
2952
BM 2904
2920
3000
3228
2940
3784
2900
25
30
2900
29
3100
2880
Lava 3218
BM 2865
3783
2860
2860
ALAMO
BM 2853
ROAD
Borrow Pit
Gibbs Prospects
36
2840
BM 2838
31
2833
32
10'
3782
2860
BM 2847
2820
93
2800
2806
T 10 N
T 9 N
2823
5 MI. TO ARIZ. 21
WICKENBURG 22 MI.
2795
2800
2780
1
6
5
2760
2800
2760
2754
2780
3780
2742
2740
Date Creek Ranch 15'
2760

GIBBS PROSPECTS YAVAPAI COUNTY

NJN WR 7/22/83: Don Rodina visited and reported that he has the Crystal Hill Claims #1-6 in T10N R7W Sec. 18 SW¼, which cover some quartz, copper oxide veins. These claims cover part of the Gibbs Prospect file, Yavapai County. Mr. Rodina has a 1½" core drilling rig and he was weeking a target or a guideline for his drilling. He was advised to do some geology/structure mapping, how to use that as a drilling guideline to prove or disapprove some deposit models.

Intra-Company Correspondence

SHATTUCK DENN MINING CORPORATION

and

SUBSIDIARIES

Humboldt Office

Date March 3, 1966

TO: C. R. Sundeen

SUBJECT: FRED GIBBS-
Potential Claim Group

FROM: J. Olaf Sund

~~file w/ Crystal Mountain~~
~~or Cor Flats.~~

TYPE: Gold

LOCATION:

A small area of study suggested by Fred Gibbs, west of Congress and directly north of Highway 93. Specifically, it is located in the southwest corner of 5-10-N and R-7-W.

GEOLOGY:

The area in question is underlain by a limited exposure of granite that is flanked on the sides by sands, gravels and silt or basalt flows. The exposure is about one mile square. The granite is a coarse-grained greyish and pinkish variety. It is characterized by a considerable and widespread fracturing, ie. it is verging on a metamorphic granite greiss that is oriented in a general north 30 degrees east direction and dips generally at 65 degrees east.

There are a number of short quartz veins or lenses along the"fractured" zones that are undoubtedly of hydrothermal origin as well as some siliceous "pods" that may be of metamorphic origin, being derived from the granite. The quartz veins vary from 6 inches and smaller. Some red rusty zones up to 6 inches across may be adjacent to the quartz in places. There is a little green copper oxide in the quartz but there is little or no chance that there was any appreciable concentration of sulphides (including pyrite) that have been leached out.

The eastern half of the granite exposure has relatively few hydrothermal type quartz veins.

PAST WORK ETC.

A number of pits and shallow shafts have been dug on the above quartz veins everywhere in the immediate area, including a 30 foot tunnel. Many of the shafts and pits have caved but there is evidence of some very recent "trenching".

Samples from various parts of the area were collected and assayed with the following results:

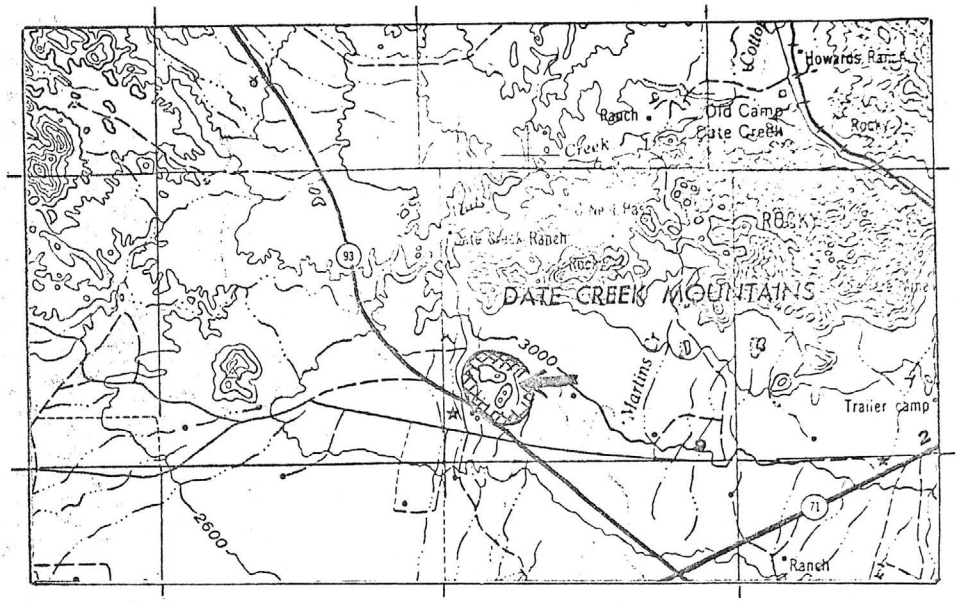
Sample No.	Material	Au	Ag	Cu
10743	Qtz. in fractured granite	Tr	0.3	0.14
10744	Fractured granite	Tr	0.4	0.16
10745	Granite w/red rust	.01	0.3	0.38
10746	Qtz. vein w/malachite	Tr	0.2	0.36
10747	Granite w/qutz & carb.& Cu?	Tr	0.5	1.42
10748	Crystal quartz in granite	Tr	Tr	0.12
10749	Red rusty granite near qtz	Tr	Tr	0.12
10750	Qtz from collected pile	Tr	Tr	0.04
12159	Qtz w/much carbonate	Nil	Tr	0.03
12160	Red Granite & quartz	Nil	Tr	0.06
12161	Qtz in granite	Tr	Tr	0.10
12162	Qtz from dump	Tr	Tr	0.10
12163	Qtz w/pyrite from tunnel dump	Nil	Tr	0.10

CONCLUSIONS:

On the basis of the poor assay returns and the lack of any significant geological structures or rock types, it is considered best not to pursue this immediate area any further.

JOS/db

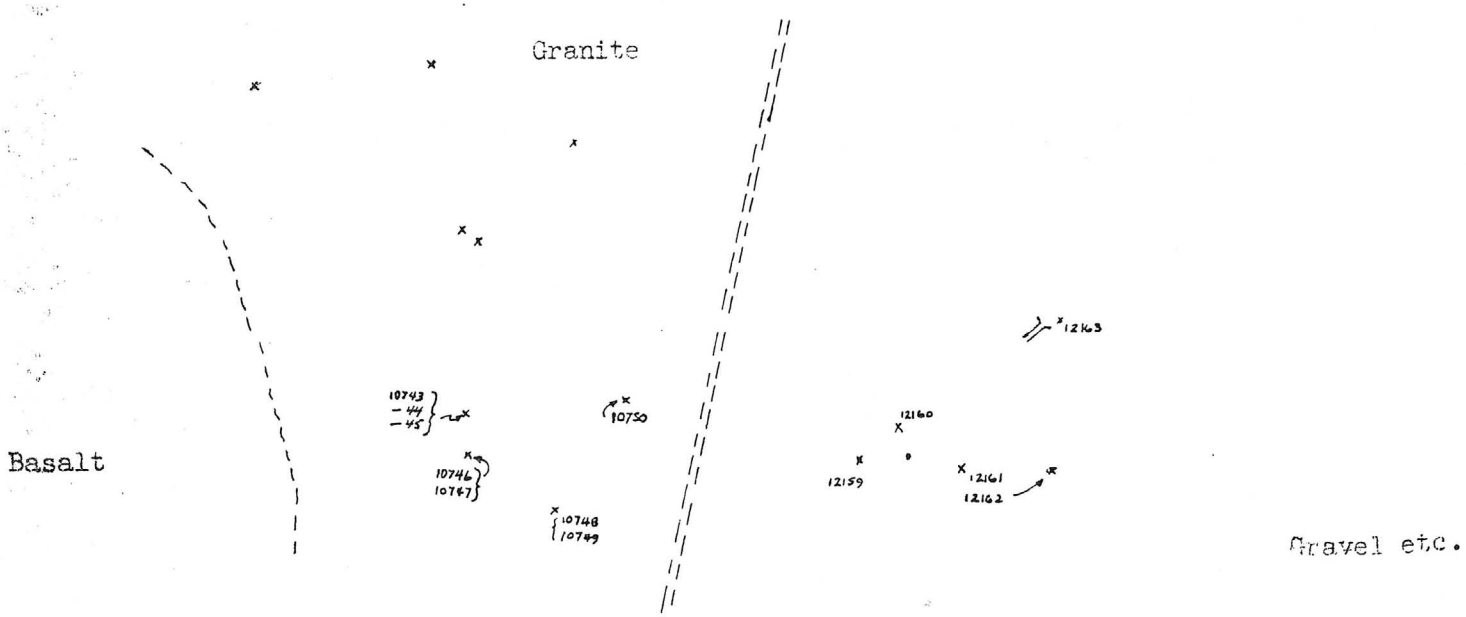
R-8-W R-7-W



T-16-N

LOCATION OF GIBBS POTENTIAL CLAIM AREA

1 : 250,000



PIT AND SAMPLE LOCATIONS...

Approximate Scale 1" : 1000'

FIELD EXPLORATION

" Crystal Mountain" or "Copper Flat" Prospect.

Date of Examination:- February 21st & 23rd, 1966

Location:-
In T. 10 N. R. 7 W. Yavapai County, Arizona.
About 12 miles due west from Congress Junction.
Best reached by travelling 7 miles S.W. from Congress Junction on State Highway 71 to junction with State Highway 93. Thence 6 miles N.W. on Highway 93 to junction with dirt road leading to Date Creek Ranch. Thence 2½ miles north on Date Creek Ranch road. At this point the deposit borders both sides of the road.

Property:-
In 1962 Ike Kusisto of Wickenburg located six claims called the "Copper Flat" group. In 1964 Wm.Thompson of Wickenburg located the same ground with his "Crystal Mountain" group of six claims. It is reliably reported that Kusisto abandoned his claims in 1963.

Discussion:-
I first noticed this area some years ago while returning from examination of a prospect on the Santa Maria river, but did'nt take time then to examine. Remembering back to the appearance of the rather wide-spread brecciation of the area I decided to investigate as of the above date, and on the 23rd was accompanied by Olaf Sund for a further look.

Geology:-
Brecciated granitic rock comprises two small low hills which rise above the desert floor. To the east, south, and west of the brecciated area are recent alluvials, while to the north basalt flows cover both alluvials and the brecciated granite.

Deposit:-
The area of brecciation which is exposed covers approximately 55 acres to the south of the overlying basalts. The extent to the north, if any, under the basalts, is unobservable. The numerous quartz filled fractures in the granite occur in all directions with no discernible definite pattern. Occassionally a trace of copper carbonates can be seen but evidence of sulphide mineralization in the quartz stringers is weak.

Development:-
There are numerous shallow pits and bull dozer cuts and one short shallow tunnel. A grab sample from many spots at the pits and cuts gave the following assay:-

No.G-4 Au.- Tr. Ag.-.Tr. Cu.-0.16%

Numerous samples taken by Sund in a similar way gave approximately the same results.

Comment and/or Recommendation:-

The hope here was that the quartz stringers carried enough gold-silver to permit an open pit operation of modest proportions. The surface grab sampling did not bear out this hope, and I very much doubt that drilling of sub-surface material would reveal anything any better. Generally speaking, gold deposits in our Arizona desert country are best at surface.

No work on this deposit is recommended.

J. Gibbs

Prescott prop.

STATUS OF DORMANT MINES

MINE NAME: _____

LOCATION: _____

OWNER AND/OR LEASEE: _____

ADDRESS: _____

APPROXIMATE PRODUCTION (Year of 1945):

COPPER _____ Lbs. LEAD _____ Lbs.

ZINC _____ Lbs. (OTHER) _____

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) _____

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?

_____

_____

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

_____

_____

Questionnaire doesn't fit my particular problems sufficiently well to permit filling out. A production loan necessary on large low grade development copper-only property. See next page!

(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?

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:

Suggestions:- No Premiums. Let supply & demand govern prices. Drain off "war profits" via excess profits tax. Grant exploration, development & production loans on properties accredited by U.S. engineers, - exploration loans not secured unless results justify exploitation; development

~~SUGGESTIONS.~~

& production loans secured by mortgage on properties.

DATE 8/8/50

SIGNATURE Fred Gibbs