DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1569X

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

_____

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	Supply Division	Date	Aug 8, 1951
To:	Reports & Records	Date	8-9-51
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

INT.-DUP. SEC., WASH., D.C. 98868

DMA Form 2

DEFENSE MINERALS ADMINISTRATION
Status Change Notice

DMA Docket No. 1569-X

To: Reports and Records Branch Franklin B. White

From: LEAD ZINC BRANCH

Date: JUL 6 1951

The following action has been taken this date on the above Controlled Document.

Forwarded to

Type of request changed to:

Denied ☐ Withdrawn ☐

Approved in amount of $

Other action, specify:

On hand, to be denied

Interior—Duplicating Section, Washington, D. C. 98869

STANDARD FORM NO. 64

Office Memorandum • UNITED STATES GOVERNMENT

TO : Mr. Tom Lyon - Room 3612

DATE: October 3, 1951

FROM : Francis B. Speaker

SUBJECT: Franklin Boutwell White

I am returning this letter inasmuch as there is no request for priority assistance. I would assume the applicant is identifying his equipment and ore production to match the loan which he is requesting.

FBSpeaker

MF-500

.ITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 10-15-51

REFERRED TO:
1. Code 210
2.
3.
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
✓ Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS: Reports & Records

Check (X) before the items needing attention.

Initials of sender.

GPO 16—63815-1

MF-500

SEP 7 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 9-6

REFERRED TO:
1. ~~305~~
2. ~~Mr. Bellamy~~
3. Mr. Speaker — 2470
4.

FOR:

..... Action	..... Recommendation
..... Approval	..... Record of .....
..... Comment	..... Referring to .....
..... Conference	..... Reply for signature of .....
..... Consideration	..... Rewriting
..... Filing	..... Signature
..... Instructions	..... Suggestions
..... Investigation	..... Your information
..... Initials	
..... Mailing	
..... Previous correspondence	

REMARKS:

Check (X) before the items needing attention.

J. Fyon
~~ROBERT E.~~ ADAMS

Initials of sender.

GPO 16—63815-1

97

Speaker
SEP 7 1951

Superior, Arizona
Sept 4, 1951
Box 1174

Serial # M.S.2466
Lead Zinc

Dwg 1569

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 6 - 1951

No amount mentioned

Mr. Tom Lyon
Director Supply Division
Defense Minerials Administration
Washington 25, D. C.

Dear Mr. Lyon:

Answering your letter dated Aug 10, 1951 refusing my application for a loan of $53,907.60, I am submitting the monetary value of the mine and equipment to be matched against federal funds. The total list of this property is as follows:

Abstract	$ 80.00
Legal Service	500.00
Assessed Value of Property	3,000.00
Cash Contributed by Myself	300.00
One-Sullivan 9X10 Compressor	200.00
One-Air Receiver	100.00
150 Feet of Iron Track	50.00
450 Linear Feet ¼ X 3/4 Strap Iron	50.00
One-One Ton Ore Car	150.00
200 Feet of one Inch Air Line	67.00
600 Feet of two Inch Water Line	330.00
Two-50 Foot Hose-Aire and Water	50.00
One-Chevrolet Engine	150.00
One-Ingersoll Stoper Machine	250.00
One-Ingersoll Jack Hammer	175.00
One-500 Gallon Water Tank	100.00
One-10 Inch Belt, 28 Feet Long	56.00
One-Split Pulley and Shaft, Size 10 X 15	76.00
One-Chicago Tooling Co. Chipping Hammer	100.00
Timer on Hand, to be Used in Mine Value	90.00
Cost of Retimbering-Mine Timber Only	150.00
Labor Cost of Retimbering Mine-48 days @$10.00 per day	280.00
One-Two Room House at Mine	700.00
One-Pressure Tank	25.00
	7,029.00

700 tons of ore insight--5% lead--5% zinc; little gold & silver. Lead and zinc at 17¢--17.5¢--$34.50 per ton and a little gold & silver; or 700 tons at $30.00 per ton----------$21,000.00

Plus	7,029.00
Grand Total	28,029.00

Yours Respectfully,

Franklin Boutwell White
FRANKLIN BOUTWELL WHITE

OCT 15 1951

Superior, Arizona
Sept 4, 1951
Box 1174

Serial # M.S.2466
Lead Zinc

Mr. Tom Lyon
Director Supply Division
Defense Minerials Administration
Washington 25, D. C.

Dear Mr. Lyon:

Answering your letter dated Aug 10, 1951 refusing my application for a loan of $53,907.60, I am submitting the monetary value of the mine and equipment to be matched against federal funds. The total list of this property is as follows:

Abstract	$ 80.00
Legal Service	500.00
Assessed Value of Property	3,000.00
Cash Contributed by Myself	300.00
One-Sullivan 9X10 Compressor	200.00
One-Air Receiver	100.00
150 Feet of Iron Track	50.00
450 Linear Feet ¾ X 3/4 Strap Iron	50.00
One-One Ton Ore Car	150.00
200 Feet of one Inch Air Line	67.00
600 Feet of two Inch Water Line	330.00
Two-50 Foot Hose-Aire and Water	50.00
One-Chevrolet Engine	150.00
One-Ingersoll Stoper Machine	250.00
One-Ingersoll Jack Hammer	175.00
One-500 Gallon Water Tank	100.00
One-10 Inch Belt, 28 Feet Long	56.00
One-Split Pulley and Shaft, Size 10 X 15	76.00
One-Chicago Pooling Co. Chipping Hammer	100.00
Timer on Hand, to be Used in Mine Value	90.00
Cost of Retimbering-Mine TimberOnly	150.00
Labor Cost of Retimbering Mine-48 days @$10.00 per day	280.00
One-Two Room House at Mine	700.00
One-Pressure Tank	25.00
	7,029.00

700 tons of ore insight--5% lead--5% zinc; little gold & silver. Lead and zinc at 17¢--17.5¢--$34.50 per ton and a little gold & silver; or 700 tons at $30.00 per ton----------$21,000.00

Plus 7,029.00
Grand Total 28,029.00

Yours Respectfully,

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE

Superior, Arizona
Sept 4, 1951
Box 1174

Serial # M.S.2466
Lead Zinc

Mr. Tom Lyon
Director Supply Division
Defense Minerials Administration
Washington 25, D. C.

Dear Mr. Lyon:

Answering your letter dated Aug 10, 1951 refusing my application for a loan of $53,907.60, I am submitting the monetary value of the mine and equipment to be matched against federal funds. The total list of this property is as follows:

Abstract	$ 80.00
Legal Service	500.00
Assessed Value of Property	3,000.00
Cash Contributed by Myself	300.00
One-Sullivan 9X10 Compressor	200.00
One-Air Receiver	100.00
150 Feet of Iron Track	50.00
450 Linear Feet ¾ X 3/4 Strap Iron	50.00
One-One Ton Ore Car	150.00
200 Feet of one Inch Air Line	67.00
600 Feet of two Inch Water Line	330.00
Two-50 Foot Hose-Aire and Water	50.00
One-Chevrolet Engine	150.00
One-Ingersoll Stoper Machine	250.00
One-Ingersoll Jack Hammer	175.00
One-500 Gallon Water Tank	100.00
One-10 Inch Belt, 28 Feet Long	56.00
One-Split Pulley and Shaft, Size 10 X 15	76.00
One-Chicago Tooling Co. Chipping Hammer	100.00
Timer on Hand, to be Used in Mine Value	90.00
Cost of Retimbering-Mine Timber Only	150.00
Labor Cost of Retimbering Mine-48 days @$10.00 per day	280.00
One-Two Room House at Mine	700.00
One-Pressure Tank	25.00
	7,029.00

700 tons of ore insight--5% lead--5% zinc; little gold & silver. Lead and zinc at 17¢--17.5¢--$34.50 per ton and a little gold & silver; or 700 tons at $30.00 per ton----------$21,000.00

Plus	7,029.00
Grand Total	28,029.00

Yours Respectfully,

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE

Superior, Arizona
Sept 4, 1951
Ser 1174

Serial # N.S.2466
Lead Zinc

Mr. Ken Lyon
Director Supply Division
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Lyon:

Answering your letter dated Aug 10, 1951 refusing my application for a loan of $53,907.60, I am submitting the monetary value of the mine and equipment to be matched against federal funds. The total list of this property is as follows:

Abstract	$ 80.00
Legal Service	500.00
Assessed Value of Property	3,000.00
Cash Contributed by Myself	300.00
One-Sullivan 9X10 Compressor	500.00
One-Air Receiver	100.00
150 Feet of Iron Track	50.00
450 Linear Feet 1 X 3/4 Strap Iron	50.00
One-One Ton Ore Car	150.00
200 Feet of one Inch Air Line	67.00
600 Feet of two Inch Water Line	200.00
Two-50 Feet Hose-Air and Water	50.00
One-Chevrolet Engine	150.00
One-Ingersoll Stoper Machine	250.00
One-Ingersoll Jack Hammer	175.00
One-500 Gallon Water Tank	100.00
One-10 Inch Belt, 28 Feet Long	56.00
One-Split Pulley and Shaft, Size 10 X 15	76.00
One-Chicago Cooling Co. Chipping Hammer	100.00
Timer on Hand, to be Used in Mine Value	90.00
Cost of Retimbering-Mine Timber only	150.00
Labor Cost of Retimbering Mine-48 days @$10.00 per day	280.00
One-Two Room House at Mine	700.00
One-Pressure Tank	25.00
	7,029.00

700 tons of ore insight--5% lead--5% zinc; little gold & silver. Lead and zinc at 17¢--17.5¢--$34.50 per ton and a little gold & silver; or 700 tons at $30.00 per ton----------$21,000.00

Plus 7,029.00

Grand Total 28,029.00

Yours Respectfully,

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE

Franklin B. White
Box 1174
Superior, Arizona

SUPERIOR, ARIZ
SEP 4
11-AM
1951

AIR MAIL
6¢
U.S. POSTAGE

Mr. Tom Lyon
Director Supply Division
Defense Minerials Administration
Washington 25, D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

AUG 10 1951

Memorandum

Re: DMA-1569

To: Reports and Records Unit
Administrative Management Division

Franklin Boutwell White
Mine near Superior, Arizona
Exploration loan $53,907.60
Lead-Zinc

From: Lead-Zinc Branch

Subject: Denial of exploration loan

a.E.C.

Applicant has for many years held this prospect which is described as a replaced breccia zone on a fault fissure cutting intrusive diabase. The lead and zinc minerals are oxidized at the level of the exposed workings, and contain only minor gold and silver. Applicant proposes to sink on the ore zone to a depth of 200 feet, drift on the ore, and raise. The estimated time is 6 months, and estimated cost $53,907.60.

Applicant has no money, but does have equipment and buildings valued at $6,000. Although no rental value of the equipment is listed by applicant, its value cannot be very great for 6 months. Applicant proposes to contribute his own services as supervisor at a rate of $500 per month for the 6 months. These services and rentals furnished by the applicant are in addition to the project cost cited above which is accounted for in toto by 3 items of cost listed--namely 10 "shaftmen" for 140 days, timber for underground, and powder, fuse and caps.

Applicant is obviously confused as to the regulations of the exploration program. Regardless of the geologic merits of his proposal, his main contribution is his services which can come to only $3,000 for the project, assuming that his services would be acceptable to DMA in this capacity. He cannot match funds under the program. It is recommended that the application be denied and the attached letter sent to applicant.

Returned herewith are 3 copies of form MF-103; 3 sets of maps, each containing 3 maps; 3 prints of assays and production record of the property; and 4 copies of transmittal letter dated May 25, 1951.

T. P. Billings, Chief
Lead-Zinc Branch

Approved:

Tom Lyon
Director, Supply Division

FILE COPY
SURNAME:
350

McKnight
Oil Lazy
Gas Mote
Billings

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

AUG 10 1951

Memorandum

Re: DMA-1569

To: Reports and Records Unit
Administrative Management Division

Franklin Boutwell White
Mine near Superior, Arizona
Exploration loan $53,907.60
Lead-Zinc

From: Lead-Zinc Branch

Subject: Denial of exploration loan

Applicant has for many years held this prospect which is described as a replaced breccia zone on a fault fissure cutting intrusive diabase. The lead and zinc minerals are oxidized at the level of the exposed workings, and contain only minor gold and silver. Applicant proposes to sink on the ore zone to a depth of 200 feet, drift on the ore, and raise. The estimated time is 6 months, and estimated cost $53,907.60.

Applicant has no money, but does have equipment and buildings valued at $6,000. Although no rental value of the equipment is listed by applicant, its value cannot be very great for 6 months. Applicant proposes to contribute his own services as supervisor at a rate of $500 per month for the 6 months. These services and rentals furnished by the applicant are in addition to the project cost cited above which is accounted for in toto by 3 items of cost listed--namely 10 "shaftmen" for 140 days, timber for underground, and powder, fuse and caps.

Applicant is obviously confused as to the regulations of the exploration program. Regardless of the geologic merits of his proposal, his main contribution is his services which can come to only $3,000 for the project, assuming that his services would be acceptable to DMA in this capacity. He cannot match funds under the program. It is recommended that the application be denied and the attached letter sent to applicant.

Returned herewith are 3 copies of form MF-103; 3 sets of maps, each containing 3 maps; 3 prints of assays and production record of the property; and 4 copies of transmittal letter dated May 25, 1951.

ETMcKnight:bc
G 8-7-51
Copies to: (2)
J. H. East, Jr. Region IV
Chief, Lead-Zinc Br.
E. T. McKnight
R. H. Mote
Reports and Records Unit
Director's r. file 4214

B.P. 8-10

T. P. Billings, Chief
Lead-Zinc Branch

Br. r. file 4214 GSA
Files

Approved:

Tom Lyon

Director, Supply Division

AUG 10 1951

Memorandum

To: Reports and Records Unit
Administrative Management Division

From: Director, Supply Division

Subject: Exploration Permit

Franklin Maxwell White
[illegible] Superior, [illegible]
Exploration Permit [illegible]
Sand-Lake

Applicant has filed application for exploration permit on this property which is described as a replaced process [illegible] a fault fissure containing [illegible] deposits. The lode [illegible] are oxidized at the level of the exp and workings, [illegible] gold and silver. Applicant proposes to [illegible] the depth of the lode, [illegible] structure, and raise. The [illegible] time is 6 months, and estimated cost is $[illegible].

Applicant has [illegible], but does have [illegible] by applicant, its value [illegible] very great for [illegible]. Applicant proposes to contribute [illegible] per month for the [illegible] months. These services are reliable furnished by the [illegible] are [illegible] project as stated above which is recommended for [illegible] by [illegible] to year round—namely [illegible] for [illegible], timber for underground, [illegible] powder, fuse and caps.

Applicant is obviously confused as to the regulations of the exploration program. Regardless of the geologic merits of the property, the [illegible] of the services which are [illegible] for the project, the only [illegible] services would be acceptable to [illegible] in this respect. We cannot [illegible] funds under the program. It is recommended that the application be noted and the attached letter sent to applicant.

Returned herewith are 5 copies of form [illegible]-10; 5 sets of maps, [illegible] 3 [illegible] of [illegible] and production record of the property; and 4 copies of the [illegible] letter dated [illegible] 29, 1951.

Approved:

Tom Lyon

Director, Supply Division

[illegible] Billings, Chief
Sand-Lake Branch

Dr. r. file [illegible]
[illegible]

ETMcnight:bo
8-8-51
Copies to: (2)
J. H. [illegible], Jr., Region IV
Chief, Sand-Lake Br.
E. T. McNight
R. H. [illegible]
Reports and Records Unit
Director's r. file [illegible]

FILE COPY
SURNAME:
350

McKnight
O'Leary
(Formote)
Billinge

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
WASHINGTON 25, D. C.

AUG 1 0 1951

A.E.C.

Mr. Franklin Boutwell White
P. O. Box 1174
Superior, Arizona

Re: DMA-1569

Dear Mr. White:

Your application for an exploration loan of $53,907.60 to explore your mine, located 2½ miles south of Superior, has been reviewed by the Defense Minerals Administration.

To be eligible for an exploration loan on a lead-zinc deposit, an applicant must be prepared to furnish half of the expenses needed to carry out the proposed project. His services, and rental of equipment owned by him and used on the project, are permissible contributions from the applicant, but they must be given a monetary value to be matched against Federal funds. Your application indicates that you propose to match Federal funds by your own services at $500 per month and by the rental of certain equipment, but that you have no additional funds to invest. You do not indicate the rental value of the equipment eligible for credit on the project, but the amount is not large. For the 6 months time, your total contribution would be inadequate to finance half of the cost of the project. I regret, therefore, that your application must be denied.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

BJ 8/10

Tom Lyon, Director
Supply Division

ETMcKnight:bc
G 8-7-51
Copies to: J. H. East, Jr. Region IV (2)
Chief, Lead-Zinc Br.
E. T. McKnight
R. H. Mote
Reports and Records Unit
Director's r. file 4214 GSA
Br. r. file 4214 GSA
Files

AUG 10 1951

Mr. Franklin Stutzell Smith Act [illegible]
P. O. Box 1174
Superior, Montana

Dear Mr. Smith:

Your application for an exploration loan of $[illegible],000 to explore your mine, located 2½ miles south of Superior, has been reviewed by the Defense Minerals Administration.

To be eligible for an exploration loan or a lease-and-development, an applicant must be prepared to furnish half of the expense needed to carry out the proposed program. His services, and rental of equipment owned by him and used on the project, are permissible contributions from the applicant, but they must be given a monetary value to be matched against Federal funds. Your application indicates that you propose to match Federal funds by your own services at $[illegible] per month and by the rental of certain equipment, but that you have no additional funds to invest. You do not indicate the rental value of the equipment eligible for credit on the project, but it appears is not large. For the 6 months time, your total contribution would be inadequate to finance half of the cost of the project. We regret, therefore, that your application must be denied.

We wish to thank you for bringing this property to our attention.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

Attmeanight:bm
8 8-7-51
Copies to: J. H. Hast, Jr. Region IV (2)
Chief, Lead-Zinc Br.
L. T. Mebright
R. H. Cote
Reports and Records Unit
Director's r. file [illegible]
Br. r. file [illegible]
Files

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1569X

Date received 6/12/51

Participation

Franklin Boutwell White
P.O.Box 1174
Superior, Arizona

Name and address of applicant

Date May 23, 1951.

FILL IN THIS BLOCK

Date of application May 23, 1951

Estimated cost $53,907.60, Less equipment rental

Mineral or metal Lead and Zinc.

Percentage of Government participation this amount 50% of total

Location of mine 2½ Miles Southerly From Superior, Pinal County, Arizona

Date of filing MF-100 With this form

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. see attachment

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. None

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. see attachment

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? see attachment

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. see attachment

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Attachment

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Arizona Hancock Copper Co.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. see attachment

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Deep well 3 mi. State amount of power to be used, rate per hour or other cost, and source. From line on property

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. see attachment

15. State in detail how the ore could be shipped and how and where milled. see attachment

*16. History: see attachment

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.) see attachment

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? see attachment

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. attached

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data. attached

THE REQUIREMENTS AND COSTS

see attachments.

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

not more than six months.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Franklin Boutwell White
(Name of company)

By Franklin Boutwell White
(Signature of authorized official)

May 23, 1951
(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

FRANKLIN BOUTWELL WHITE Form MF-103 Attachment

4 (a) 35 to 40 years practical experience in mining. Has been on this property for eight years. Operated an insurance and collection business for two years.

(b) same person.

9. Has no money, but does have equipment and buildings valued at $6,000.00.

12. Two miles south of Superior, Pinal County, Arizona, about 700 feet east off the paved Ray-Superior Highway. Approximately 2-1/2 miles from Railroad shipping point.

13. My own well, 12 gals. per minute. Belmont Mine about 3 miles South is a source of ample water. Amount of power to be required is unknown, but is available at established rates at mine site.

14. 2 room cabin, 150 feet iron track, 200 feet of 1 inch air line, 600 feet of 2 inch water line, 1 500 gal. water tank, 1 Sullivan Compressor - 9 x 10, 1 Chevrolet Gas engine, 20 pieces of 8 x 8's, 1 stoper machine, 1 Jack Hammer, 1 chipping machine, 1 50 ft. air hose, 1 50 ft. water hose, 1 small pressure tank, 1 2 x 6 air receiger, 1 ore car--1 ton, supply ~~xxx~~ of picks and shovels.

15. Trucked to railroad and shipped to Deming, New Mexico or El Paso, Texas. Could be milled on the ground.

16 (a) 655 feet of drifts, cross-cuts, tunnels, raises and winzes. 1 Underhand stope 25 ft. deep, 10 ft. wide and 25 ft. long. One overhead stope from tunnel level from 45 to 70 ft. high, 10 ft. wide and about 90 ft. long.

There has been about $15,000 worth of ore shipped out of this mine by high graders. Most of the ore was taken out 40 years ago. The Corporation Commission in Phoenix, Arizona have a little information regarding the Arizona Hancock Copper Company as follows: In 1907 the above claims known as the Columbia Roosevelt #1, Roosevelt #2, Roosevelt Extension, were patented and incorporated. No stock was issued. No ore was shipped by the Company. The names of the officers are unknown, their principal place was given as Florence, Arizona in 1912. At that time when the Territory of Arizona became a State, the above said Company failed to register with the State of Arizona and in 1932 the Statute of Limitations terminated a twenty-five year limit of Corporations. In 1943 applicant herein applied for a Treasurer's Certificate of Purchase for the above claims, and in 1947 the Superior Court at Florence, Arizona, issued a Treasurer's Deed to Franklin Boutwell White for the said patented mining claims. All the ore shipped from this mine since 1907 to date has been high grade

Franklin Boutwell White

and shipped to different smelters under different names. This mine is about one mile South of the Magma Copper Company. (See attached geological map, Form M.F. 103.22)

(b) Magma Copper Company is neighbor which is high grade copper and has 40 years of highly successful operating history.

(c) See attachments.

18 (a). Average 5% lead, 5% zinc -- see attachment. About 700 tons now in sight - 5% lead and 5% zinc, $30.00 per ton or better at 17¢ one lb. of lead zinc.

(b) See attachments.

(c) Unknown -- vein on surface shows about 1800 feet. Diabase foot wass and limestone hanging wall.

20. Lead and zinc carbonate, copper sulphites, uranium and molybdenum and vanadium. Lead and zinc are the principal minerals.

21. Sink on vein about 70 or 80 degree shaft 3 compartment to a depth of about 200 feet and then drift on the vein and raise. About six months time would be consumed.

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE Form MF-103

23.	Powder and fuse and caps	$ 5,000.00
	Timber for underground	14,750.00
	Shaftmen- 10 @ $13.76 per day 140 days	34,157.60
	(Applicant will supervise the work. It will probably work out that an assistant will be required, but this will add little if anything to the above payroll.)	
	Total	$53,907.60

8. A FINANCIAL STATEMENT IS NOT FURNISHED. IT WOULD CONSIST ONLY OF THIS PROPERTY WHICH I VALUE AS FOLLOWS:

Real Estate	$50,000.00
Buildings	1,500.00
Equipment & Supplies	6,000.00
	$57,500.00

N. B. Applicant expects to donate, or contribute his salary of $500.00 per month to this project as a part of his contribution.

Franklin Boutwell White

ARIZONA HANCOCK COPPER CO.

Form MF-100

Item 12 Ore or Mineral Reserves:

The present lead-zinc body is locallized in a strong mineralized fault fissure cutting intrusive diabase which intersects the Concentrator fault about 1500 feet to the northeast, within the boundaries of the property. It is of the replacement type, the gangue consisting of crushed, altered wall rock. Commercial ore is apparently confined to the fault zone which attains a width in excess of ten feet in the area of the existing stopes.

In several respects the Arizona Hancock vein bears strong resemblance to the main ore body of the Magma mine situated about one mile to the north and similarly locallized in altered diabase in the Main-Concentrator fault system.

An estimate of measured ore reserves cannot be made at the present stage of mine development. Above the main level, ore has been mined by "high graders" to form an open stope approximately 90 feet long, and up to 9.5 feet wide. The back of the stope at the northwest end is about 70 feet above the track, and at its southeast end about 45 feet above the track. A considerable tonnage of mineralized vein material,- including a small block of zinc ore,- has been left untouched within the limits of this stope, presumably because it was not sufficiently high grade to warrant mining at metal prices existing many years ago. Below the main level an underhand stope has been started showing a stope length of roughly 25 feet, and an average width of about five feet. It is open to a depth of about 25 feet.

The strength of the fault zone within which the present ore body is developed, and similarity of the general geologic environment of the ore body to the environment of the main ore body of the Magma mine which lies close by, make it unwise to limit probable ore reserves.

Ore minerals are comprised mainly of lead and zinc "oxides" carrying minor amounts of gold and silver. Cerussite predominates with smaller amounts of galena, and some wulfenite.

In summary, while lack of mine development and assay information preclude a precise ore estimate; the peculiar history of the mine indicating early "high grading" and a legal misunderstanding which has barred mining operations for the past many years should be given thought in any preliminary appraisal of the potentialities of the mine as a lead-zinc producer.

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S. WILLIAMS
DEC. 31, 19..
ARIZONA U.S.A.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

ARIZONA HANCOCK COPPER CO.

Form MF-103

Item 22

The present known lead-zinc ore body is locallized in a strong fault zone which attains a maximum width in excess of ten feet. Similarity of the geologic environment to the environment of the main ore body of the Magma mine which lies one mile to the northward implies the strong possibility of continuation of the Arizona Hancock ore body to depth. In both cases the ore is of the replacement type, locallized in altered diabase within a strong fault zone. It is further noteworthy that the fault within which the Arizona - Hancock vein has been emplaced taps the Concentrator-Main fault system in which the main ore body of the Magma mine developed (see attached photostat of Geologic Map of Superior Mining Area Arizona, published by Arizona Bureau of Mines).

Reported early "high-grading" operations have opened up a stope above the main level which is approximately 90 feet in length, 70 feet in height at the northwest end, about 45 feet in height at the southeast end, and 9 1/2 feet wide at its present widest point. (The stope at present has the appearance of a typical "gambusino" operation, with irregular blocks of vein material, a block of zinc ore, and two ore pillars left within its boundaries by the early "high graders".) Below the level an underhand stope has been started in the vein, attaining a stope length of roughly 25 feet, a depth of about 25 feet and a width of about 5 feet.

Since mining has so far been limited to very shallow depth, the lead and zinc minerals are predominantly "oxides". Cerussite is the most prominent mineral, with lesser amounts of galena, and subordinate wulfenite.

Together the two stopes indicate an ore body within the fault pitching toward the southwest, from which a worthwhile tonnage of lead-zinc ore may be mined following a relatively small amount of exploratory sinking and drifting.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S.
WILLIAMS
DEC. 31, 19.....
ARIZONA, U.S.A.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA - 1569 X

Date received 6/12/51

Participation

Franklin Boutwell White
P.O.Box 1174
Superior, Arizona

Name and address of applicant

Date May 23, 1951.

FILL IN THIS BLOCK

Date of application May 23, 1951

Estimated cost $53,907.60, Less equipment rental

Mineral or metal Lead and Zinc.

Percentage of Government participation this amount 50% of total

Location of mine 2½ Miles Southerly From Superior, Pinal County, Arizona

Date of filing MF-100 With this form

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See attachment

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. None

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. see attachment

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? See attachment

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. see attachment
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Attachment

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Arizona Hancock Copper Co.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. see attachment

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Deep well 3 mi. State amount of power to be used, rate per hour or other cost, and source. From line on property

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. see attachment

15. State in detail how the ore could be shipped and how and where milled. see attachment

*16. History: see attachment
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.) see attachment
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? see attachment

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. attached

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data. attached

THE REQUIREMENTS AND COSTS

see attachments.

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

    not more than six months.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Franklin Boutwell White
(Name of company)

By Franklin Boutwell White
(Signature of authorized official)

May 23, 1951
(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

FRANKLIN BOUTWELL WHITE Form MF-103 Attachment

4 (a) 35 to 40 years practical experience in mining. Has been on this property for eight years. Operated an insurance and collection business for two years.

(b) same person.

9. Has no money, but does have equipment and buildings valued at $6,000.00.

12. Two miles south of Superior, Pinal County, Arizona, about 700 feet east off the paved Ray-Superior Highway. Approximately 2-1/2 miles from Railroad shipping point.

13. My own well, 12 gals. per minute. Belmont Mine about 3 miles South is a source of ample water. Amount of power to be required is unknown, but is available at established rates at mine site.

14. 2 room cabin, 150 feet iron track, 200 feet of 1 inch air line, 600 feet of 2 inch water line, 1 500 gal. water tank, 1 Sullivan Compressor - 9 x 10, 1 Chevrolet Gas engine, 20 pieces of 8 x 8's, 1 stoper machine, 1 Jack Hammer, 1 chipping machine, 1 50 ft. air hose, 1 50 ft. water hose, 1 small pressure tank, 1 2 x 6 air receiver, 1 ore car--1 ton, supply ~~xxx~~ of picks and shovels.

15. Trucked to railroad and shipped to Deming, New Mexico or El Paso, Texas. Could be milled on the ground.

16 (a) 655 feet of drifts, cross-cuts, tunnels, raises and winzes. 1 Underhand stope 25 ft. deep, 10 ft. wide and 25 ft. long. One overhead stope from tunnel level from 45 to 70 ft. high, 10 ft. wide and about 90 ft. long.

There has been about $15,000 worth of ore shipped out of this mine by high graders. Most of the ore was taken out 40 years ago. The Corporation Commission in Phoenix, Arizona have a little information regarding the Arizona Hancock Copper Company as follows: In 1907 the above claims known as the Columbia Roosevelt #1, Roosevelt #2, Roosevelt Extension, were patented and incorporated. No stock was issued. No ore was shipped by the Company. The names of the officers are unknown, their principal place was given as Florence, Arizona in 1912. At that time when the Territory of Arizona became a State, the above said Company failed to register with the State of Arizona and in 1932 the Statute of Limitations terminated a twenty-five year limit of Corporations. In 1943 applicant herein applied for a Treasurer's Certificate of Purchase for the above claims, and in 1947 the Superior Court at Florence, Arizona, issued a Treasurer's Deed to Franklin Boutwell White for the said patented mining claims. All the ore shipped from this mine since 1907 to date has been high grade

Franklin Boutwell White

and shipped to different smelters under different names. This mine is about one mile South of the Magma Copper Company. (See attached geological map, Form M.F. 103.22)

(b) Magma Copper Company is neighbor which is high grade copper and has 40 years of highly successful operating history.

(c) See attachments.

18 (a). Average 5% lead, 5% zinc -- see attachment. About 700 tons now in sight - 5% lead and 5% zinc, $30.00 per ton or better at 17¢ one lb. of lead zinc.

(b) See attachments.

(c) Unknown -- vein on surface shows about 1800 feet. Diabase foot wass and limestone hanging wall.

20. Lead and zinc carbonate, copper sulphites, uranium and molybdenum and vanadium. Lead and zinc are the principal minerals.

21. Sink on vein about 70 or 80 degree shaft 3 compartment to a depth of about 200 feet and then drift on the vein and raise. About six months time would be consumed.

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE Form MF-103

23.	Powder and fuse and caps	$ 5,000.00
	Timber for underground	14,750.00
	Shaftmen- 10 @ $13.76 per day 140 days	34,157.60
	(Applicant will supervise the work. It will probably work out that an assistant will be required, but this will add little if anything to the above payroll.)	
	Total	$53,907.60

8. A FINANCIAL STATEMENT IS NOT FURNISHED. IT WOULD CONSIST ONLY OF THIS PROPERTY WHICH I VALUE AS FOLLOWS:

Real Estate	$50,000.00
Buildings	1,500.00
Equipment & Supplies	6,000.00
	$57,500.00

N. B. Applicant expects to donate, or contribute his salary of $500.00 per month to this project as a part of his contribution.

Franklin Boutwell White

ARIZONA HANCOCK COPPER CO.

Form MF-100

Item 12 Ore or Mineral Reserves:

The present lead-zinc body is locallized in a strong mineralized fault fissure cutting intrusive diabase which intersects the Concentrator fault about 1500 feet to the northeast, within the boundaries of the property. It is of the replacement type, the gangue consisting of crushed, altered wall rock. Commercial ore is apparently confined to the fault zone which attains a width in excess of ten feet in the area of the existing stopes.

In several respects the Arizona Hancock vein bears strong resemblance to the main ore body of the Magma mine situated about one mile to the north and similarly locallized in altered diabase in the Main-Concentrator fault system.

An estimate of measured ore reserves cannot be made at the present stage of mine development. Above the main level, ore has been mined by "high graders" to form an open stope approximately 90 feet long, and up to 9.5 feet wide. The back of the stope at the northwest end is about 70 feet above the track, and at its southeast end about 45 feet above the track. A considerable tonnage of mineralized vein material,- including a small block of zinc ore,- has been left untouched within the limits of this stope, presumably because it was not sufficiently high grade to warrant mining at metal prices existing many years ago. Below the main level an underhand stope has been started showing a stope length of roughly 25 feet, and an average width of about five feet. It is open to a depth of about 25 feet.

The strength of the fault zone within which the present ore body is developed, and similarity of the general geologic environment of the ore body to the environment of the main ore body of the Magma mine which lies close by, make it unwise to limit probable ore reserves.

Ore minerals are comprised mainly of lead and zinc "oxides" carrying minor amounts of gold and silver. Cerussite predominates with smaller amounts of galena, and some wulfenite.

In summary, while lack of mine development and assay information preclude a precise ore estimate; the peculiar history of the mine indicating early "high grading" and a legal misunderstanding which has barred mining operations for the past many years should be given thought in any preliminary appraisal of the potentialities of the mine as a lead-zinc producer.

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S. WILLIAMS
DEC. 31, 19
ARIZONA, U.S.A.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

ARIZONA HANCOCK COPPER CO.

Form MF-103

Item 22

The present known lead-zinc ore body is locallized in a strong fault zone which attains a maximum width in excess of ten feet. Similarity of the geologic environment to the environment of the main ore body of the Magma mine which lies one mile to the northward implies the strong possibility of continuation of the Arizona Hancock ore body to depth. In both cases the ore is of the replacement type, locallized in altered diabase within a strong fault zone. It is further noteworthy that the fault within which the Arizona - Hancock vein has been emplaced taps the Concentrator-Main fault system in which the main ore body of the Magma mine developed (see attached photostat of Geologic Map of Superior Mining Area Arizona, published by Arizona Bureau of Mines).

Reported early "high-grading" operations have opened up a stope above the main level which is approximately 90 feet in length, 70 feet in height at the northwest end, about 45 feet in height at the southeast end, and 9 1/2 feet wide at its present widest point. (The stope at present has the appearance of a typical "gambusino" operation, with irregular blocks of vein material, a block of zinc ore, and two ore pillars left within its boundaries by the early "high graders".) Below the level an underhand stope has been started in the vein, attaining a stope length of roughly 25 feet, a depth of about 25 feet and a width of about 5 feet.

Since mining has so far been limited to very shallow depth, the lead and zinc minerals are predominantly "oxides". Cerussite is the most prominent mineral, with lesser amounts of galena, and subordinate wulfenite,

Together the two stopes indicate an ore body within the fault pitching toward the southwest, from which a worthwhile tonnage of lead-zinc ore may be mined following a relatively small amount of exploratory sinking and drifting.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S.
WILLIAMS
DEC. 31, 19
ARIZONA, U.S.A.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. DMA-1569X

Date received 6/12/51

Participation

Franklin Boutwell White
P.O.Box 1174
Superior, Arizona

Name and address of applicant

Date May 23, 1951.

FILL IN THIS BLOCK

Date of application May 23, 1951

Estimated cost $53,907.60, Less equipment rental

Mineral or metal Lead and Zinc.

Percentage of Government participation this amount 50% of total

Location of mine 2½ Miles Southerly From Superior, Pinal County, Arizona

Date of filing MF-100 With this form

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the [illegible] ness experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. see attachment

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances [illegible] sors subordinating their interests in the property to the interest of the Government under the contract. None

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. see attachment

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 2 [illegible] m, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? see attachment

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. see attachment
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Attachment

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Arizona Hancock Copper Co.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. see attachment

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Deep well 3 mi. State amount of power to be used, rate per hour or other cost, and source. From line on property

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. see attachment

15. State in detail how the ore could be shipped and how and where milled. see attachment

*16. History: see attachment
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.) see attachment
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? see attachment

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. attached

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data. attached

THE REQUIREMENTS AND COSTS

see attachments.

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

not more than six months.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Franklin Boutwell White
(Name of company)

By Franklin Boutwell White
(Signature of authorized official)

May 23, 1951
(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

FRANKLIN BOUTWELL WHITE Form MF-103 Attachment

4 (a) 35 to 40 years practical experience in mining. Has been on this property for eight years. Operated an insurance and collection business for two years.

(b) same person.

9. Has no money, but does have equipment and buildings valued at $6,000.00.

12. Two miles south of Superior, Pinal County, Arizona, about 700 feet east off the paved Ray-Superior Highway. Approximately 2-1/2 miles from Railroad shipping point.

13. My own well, 12 gals. per minute. Belmont Mine about 3 miles South is a source of ample water. Amount of power to be required is unknown, but is available at established rates at mine site.

14. 2 room cabin, 150 feet iron track, 200 feet of 1 inch air line, 600 feet of 2 inch water line, 1 500 gal. water tank, 1 Sullivan Compressor - 9 x 10, 1 Chevrolet Gas engine, 20 pieces of 8 x 8's, 1 stoper machine, 1 Jack Hammer, 1 shipping machine, 1 50 ft. air hose, 1 50 ft. water hose, 1 small pressure tank, 1 2 x 6 air receiver, 1 ore car--1 ton, supply ~~xxx~~ of picks and shovels.

15. Trucked to railroad and shipped to Deming, New Mexico or El Paso, Texas. Could be milled on the ground.

16 (a) 655 feet of drifts, cross-cuts, tunnels, raises and winzes. 1 Underhand stope 25 ft. deep, 10 ft. wide and 25 ft. long. One overhead stope from tunnel level from 45 to 70 ft. high, 10 ft. wide and about 90 ft. long.

There has been about $15,000 worth of ore shipped out of this mine by high graders. Most of the ore was taken out 40 years ago. The Corporation Commission in Phoenix, Arizona have a little information regarding the Arizona Hancock Copper Company as follows: In 1907 the above claims known as the Columbia Roosevelt #1, Roosevelt #2, Roosevelt Extension, were patented and incorporated. No stock was issued. No ore was shipped by the Company. The names of the officers are unknown, their principal place was given as Florence, Arizona in 1912. At that time when the Territory of Arizona became a State, the above said Company failed to register with the State of Arizona and in 1932 the Statute of Limitations terminated a twenty-five year limit of Corporations. In 1943 applicant herein applied for a Treasurer's Certificate of Purchase for the above claims, and in 1947 the Superior Court at Florence, Arizona, issued a Treasurer's Deed to Franklin Boutwell White for the said patented mining claims. All the ore shipped from this mine since 1907 to date has been high grade

Franklin Boutwell White

and shipped to different smelters under different names. This mine is about one mile South of the Magma Copper Company. (See attached geological map, Form M.F. 103.22)

(b) Magma Copper Company is neighbor which is high grade copper and has 40 years of highly successful operating history.

(c) See attachments.

18 (a). Average 5% lead, 5% zinc -- see attachment. About 700 tons now in sight - 5% lead and 5% zinc, $30.00 per ton or better at 17¢ one lb. of lead zinc.

(b) See attachments.

(c) Unknown -- vein on surface shows about 1800 feet. Diabase foot wass and limestone hanging wall.

20. Lead and zinc carbonate, copper sulphites, uranium and molybdenum and vanadium. Lead and zinc are the principal minerals.

21. Sink on vein about 70 or 80 degree shaft 3 compartment to a depth of about 200 feet and then drift on the vein and raise. About six months time would be consumed.

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE Form MF-103

23.	Powder and fuse and caps	$ 5,000.00
	Timber for underground	14,750.00
	Shaftmen- 10 @ $13.76 per day 140 days	34,157.60
	(Applicant will supervise the work. It will probably work out that an assistant will be required, but this will add little if anything to the above payroll.)	
	Total	$53,907.60

8. A FINANCIAL STATEMENT IS NOT FURNISHED. IT WOULD CONSIST ONLY OF THIS PROPERTY WHICH I VALUE AS FOLLOWS:

Real Estate	$50,000.00
Buildings	1,500.00
Equipment & Supplies	6,000.00
	$57,500.00

N. B. Applicant expects to donate, or contribute his salary of $500.00 per month to this project as a part of his contribution.

Franklin Boutwell White

ARIZONA HANCOCK COPPER CO.

Form MF-100

Item 12 Ore or Mineral Reserves:

The present lead-zinc body is locallized in a strong mineralized fault fissure cutting intrusive diabase which intersects the Concentrator fault about 1500 feet to the northeast, within the boundaries of the property. It is of the replacement type, the gangue consisting of crushed, altered wall rock. Commercial ore is apparently confined to the fault zone which attains a width in excess of ten feet in the area of the existing stopes.

In several respects the Arizona Hancock vein bears strong resemblance to the main ore body of the Magma mine situated about one mile to the north and similarly locallized in altered diabase in the Main-Concentrator fault system.

An estimate of measured ore reserves cannot be made at the present stage of mine development. Above the main level, ore has been mined by "high graders" to form an open stope approximately 90 feet long, and up to 9.5 feet wide. The back of the stope at the northwest end is about 70 feet above the track, and at its southeast end about 45 feet above the track. A considerable tonnage of mineralized vein material,- including a small block of zinc ore,- has been left untouched within the limits of this stope, presumably because it was not sufficiently high grade to warrant mining at metal prices existing many years ago. Below the main level an underhand stope has been started showing a stope length of roughly 25 feet, and an average width of about five feet. It is open to a depth of about 25 feet.

The strength of the fault zone within which the present ore body is developed, and similarity of the general geologic environment of the ore body to the environment of the main ore body of the Magma mine which lies close by, make it unwise to limit probable ore reserves.

Ore minerals are comprised mainly of lead and zinc "oxides" carrying minor amounts of gold and silver. Cerussite predominates with smaller amounts of galena, and some wulfenite.

In summary, while lack of mine development and assay information preclude a precise ore estimate; the peculiar history of the mine indicating early "high grading" and a legal misunderstanding which has barred mining operations for the past many years should be given thought in any preliminary appraisal of the potentialities of the mine as a lead-zinc producer.

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S. WILLIAMS
DEC. 31, 19
ARIZONA, U.S.A.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

ARIZONA HANCOCK COPPER CO.

Form MF-103

Item 22

The present known lead-zinc ore body is locallized in a strong fault zone which attains a maximum width in excess of ten feet. Similarity of the geologic environment to the environment of the main ore body of the Magma mine which lies one mile to the northward implies the strong possibility of continuation of the Arizona Hancock ore body to depth. In both cases the ore is of the replacement type, locallized in altered diabase within a strong fault zone. It is further noteworthy that the fault within which the Arizona - Hancock vein has been emplaced taps the Concentrator-Main fault system in which the main ore body of the Magma mine developed (see attached photostat of Geologic Map of Superior Mining Area Arizona, published by Arizona Bureau of Mines).

Reported early "high-grading" operations have opened up a stope above the main level which is approximately 90 feet in length, 70 feet in height at the northwest end, about 45 feet in height at the southeast end, and 9 1/2 feet wide at its present widest point. (The stope at present has the appearance of a typical "gambusino" operation, with irregular blocks of vein material, a block of zinc ore, and two ore pillars left within its boundaries by the early "high graders".) Below the level an underhand stope has been started in the vein, attaining a stope length of roughly 25 feet, a depth of about 25 feet and a width of about 5 feet.

Since mining has so far been limited to very shallow depth, the lead and zinc minerals are predominantly "oxides". Cerussite is the most prominent mineral, with lesser amounts of galena, and subordinate wulfenite,

Together the two stopes indicate an ore body within the fault pitching toward the southwest, from which a worthwhile tonnage of lead-zinc ore may be mined following a relatively small amount of exploratory sinking and drifting.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S.
WILLIAMS
DEC. 31, 19
ARIZONA, U.S.A.

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1569X

Date received 6-4-51

Participation

Franklin Boutwell White
P.O.Box 1174
Superior, Arizona

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 4 - 1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 23, 1951.

FILL IN THIS BLOCK

Date of application May 23, 1951

Estimated cost $53,907.60, Less equipment rental

Mineral or metal Lead and Zinc.

Percentage of Government participation this amount 50% of total

Location of mine 2½ Miles Southerly From Superior, Pinal County, Arizona

Date of filing MF-100 With this form

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation? Individual

*2. If a partnership, state names and addresses of partners.

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. see attachment

*5. Are you the owner or the lessee of the property? Owner

6. If owner, state what claims, liens, or encumbrances, if any, are against the property. none

7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract. None

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. see attachment

9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)? see attachment

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

B

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. see attachment

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Attachment

NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any. Arizona Hancock Copper Co.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads. see attachment

*13. State source and quantity of water available for operations and its sufficiency at all seasons. Deep well 3 mi. State amount of power to be used, rate per hour or other cost, and source. From line on property

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. see attachment

15. State in detail how the ore could be shipped and how and where milled. see attachment

*16. History: see attachment

(*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.

(*b*) State briefly the known history and production of adjoining and neighboring properties.

(*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:

(*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.) see attachment

(*a*) Describe the ore or mineral deposits briefly.

(*b*) Submit available maps and assay data.

(*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? see attachment

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. attached

NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data. attached

THE REQUIREMENTS AND COSTS

see attachments.

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:

(*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.

(*b*) Supervisors, by numbers and positions, with salaries of each.

(*c*) Cost of necessary repairs to existing facilities, structures, and buildings.

(*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.

(*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.

(*f*) Cost of rental for equipment which the operator proposes to rent.

(*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.

(*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.

(*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

not more than six months.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

Franklin Boutwell White
(Name of company)

By Franklin Boutwell White
(Signature of authorized official)

May 23, 1951
(Date)

Owner
(Title)

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

FRANKLIN BOUTWELL WHITE Form MF-103 Attachment

4 (a) 35 to 40 years practical experience in mining. Has been on this property for eight years. Operated an insurance and collection business for two years.

(b) same person.

9. Has no money, but does have equipment and buildings valued at $6,000.00.

12. Two miles south of Superior, Pinal County, Arizona, about 700 feet east off the paved Ray-Superior Highway. Approximately 2-1/2 miles from Railroad shipping point.

13. My own well, 12 gals. per minute. Belmont Mine about 3 miles South is a source of ample water. Amount of power to be required is unknown, but is available at established rates at mine site.

14. 2 room cabin, 150 feet iron track, 200 feet of 1 inch air line, 600 feet of 2 inch water line, 1 500 gal. water tank, 1 Sullivan Compressor - 9 x 10, 1 Chevrolet Gas engine, 20 pieces of 8 x 8's, 1 stoper machine, 1 Jack Hammer, 1 chipping machine, 1 50 ft. air hose, 1 50 ft. water hose, 1 small pressure tank, 1 2 x 6 air receiger, 1 ore car--1 ton, supply ~~and~~ of picks and shovels.

15. Trucked to railroad and shipped to Deming,New Mexico or El Paso, Texas. Could be milled on the ground.

16 (a) 655 feet of drifts, cross-cuts, tunnels, raises and winzes. 1 Underhand stope 25 ft. deep, 10 ft. wide and 25 ft. long. One overhead stope from tunnel level from 45 to 70 ft. high, 10 ft. wide and about 90 ft. long.

There has been about $15,000 worth of ore shipped out of this mine by high graders. Most of the ore was taken out 40 years ago. The Corporation Commission in Phoenix, Arizona have a little information regarding the Arizona Hancock Copper Company as follows: In 1907 the above claims known as the Columbia Roosevelt #1, Roosevelt #2, Roosevelt Extension, were patented and incorporated. No stock was issued. No ore was shipped by the Company. The names of the officers are unknown, their principal place was given as Florence, Arizona in 1912. At that time when the Territory of Arizona became a State, the above said Company failed to register with the State of Arizona and in 1932 the Statute of Limitations terminated a twenty-five year limit of Corporations. In 1943 applicant herein applied for a Treasurer's Certificate of Purchase for the above claims, and in 1947 the Superior Court at Florence, Arizona, issued a Treasurer's Deed to Franklin Boutwell White for the said patented mining claims. All the ore shipped from this mine since 1907 to date has been high grade

Franklin Boutwell White

and shipped to different smelters under different names. This mine is about one mile South of the Magma Copper Company. (See attached geological map, Form M.F. 103.22)

(b) Magma Copper Company is neighbor which is high grade copper and has 40 years of highly successful operating history.

(c) See attachments.

18 (a). Average 5% lead, 5% zinc -- see attachment. About 700 tons now in sight - 5% lead and 5% zinc, $30.00 per ton or better at 17¢ one lb. of lead zinc.

(b) See attachments.

(c) Unknown -- vein on surface shows about 1800 feet. Diabase foot wass and limestone hanging wall.

20. Lead and zinc carbonate, copper sulphites, uranium and molybdenum and vanadium. Lead and zinc are the principal minerals.

21. Sink on vein about 70 or 80 degree shaft 3 compartment to a depth of about 200 feet and then drift on the vein and raise. About six months time would be consumed.

Franklin Boutwell White

FRANKLIN BOUTWELL WHITE Form MF-103

23.	Powder and fuse and caps	$ 5,000.00
	Timber for underground	14,750.00
	Shaftmen- 10 @ $13.76 per day 140 days	34,157.60
	(Applicant will supervise the work. It will probably work out that an assistant will be required, but this will add little if anything to the above payroll.)	
	Total	$53,907.60

8. A FINANCIAL STATEMENT IS NOT FURNISHED. IT WOULD CONSIST ONLY OF THIS PROPERTY WHICH I VALUE AS FOLLOWS:

Real Estate	$50,000.00
Buildings	1,500.00
Equipment & Supplies	6,000.00
	$57,500.00

N. B. Applicant expects to donate, or contribute his salary of $500.00 per month to this project as a part of his contribution.

Franklin Boutwell White

ARIZONA HANCOCK COPPER CO.

Form MF-100

Item 12 Ore or Mineral Reserves:

The present lead-zinc body is locallized in a strong mineralized fault fissure cutting intrusive diabase which intersects the Concentrator fault about 1500 feet to the northeast, within the boundaries of the property. It is of the replacement type, the gangue consisting of crushed, altered wall rock. Commercial ore is apparently confined to the fault zone which attains a width in excess of ten feet in the area of the existing stopes.

In several respects the Arizona Hancock vein bears strong resemblance to the main ore body of the Magma mine situated about one mile to the north and similarly locallized in altered diabase in the Main-Concentrator fault system.

An estimate of measured ore reserves cannot be made at the present stage of mine development. Above the main level, ore has been mined by "high graders" to form an open stope approximately 90 feet long, and up to 9.5 feet wide. The back of the stope at the northwest end is about 70 feet above the track, and at its southeast end about 45 feet above the track. A considerable tonnage of mineralized vein material,- including a small block of zinc ore,- has been left untouched within the limits of this stope, presumably because it was not sufficiently high grade to warrant mining at metal prices existing many years ago. Below the main level an underhand stope has been started showing a stope length of roughly 25 feet, and an average width of about five feet. It is open to a depth of about 25 feet.

The strength of the fault zone within which the present ore body is developed, and similarity of the general geologic environment of the ore body to the environment of the main ore body of the Magma mine which lies close by, make it unwise to limit probable ore reserves.

Ore minerals are comprised mainly of lead and zinc "oxides" carrying minor amounts of gold and silver. Cerussite predominates with smaller amounts of galena, and some wulfenite.

In summary, while lack of mine development and assay information preclude a precise ore estimate; the peculiar history of the mine indicating early "high grading" and a legal misunderstanding which has barred mining operations for the past many years should be given thought in any preliminary appraisal of the potentialities of the mine as a lead-zinc producer.

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S. WILLIAMS
DEC. 31, 19....
ARIZONA, U.S.A.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

ARIZONA HYDROELECTRIC CORP.

Form 49-100

Item 12. Use of Adjoining Reservoir:

The present rock-fill dam is located in a strong mineralized fault fissure making it quite difficult. Which increases the Conservator small about 1500 feet to the trouble-area, within the boundaries of the property. It is of the replacement type, the proper construction of concrete, different soil road. Commercial one is apparently sufficient to the fault zone which attains a width in excess of ten feet in the area of the existing stopes.

In several respects the Arizona Hancock vein bears strong resemblance to the vein one half of his miles attached about one mile to the north and similarly localized in altered diabase in the vein-Conservator fault system.

As estimate of measured and reserved ounces to date at the present stage of mine development, above the main level, ore has been mined by "high grading" to form an open stope approximately 90 feet long, and up to 9.5 feet wide. The back of the stope at the northwest end is about 75 feet above the track, and at its southeast end about 45 feet above the track. A considerable length of mineralized vein material - including a small block of mine ore - has been left unmined within the limits of this stope, presumably because it was not sufficiently high grade to warrant adding to total prices exceeding many years ago. Below the main level an unexplored stope has been raised, showing a stope length of roughly 45 feet, and an average width of about five feet. It is open to a depth of about 35 feet.

The strength of the fault zone with in which the present ore body is developed, and similarity of the mineral geologic environment of the ore body to the environment of the main ore body of the Hecla mine which lies about 2½ miles to the south, make it unlikely that probable ore reserves.

The minerals are carbonate variety of iron and lime "rather" carrying other amounts of gold and silver. Generally speaking the mining methods consists of gravity, and also underhand.

In summary, this lack of mine development and strong information provides a problem and attempt the possible history of the mine. Embracing mainly "high grading" and a longer adjoining exploration which has turned mining operations for the past many years. Should be given thought in any preliminary appraisal of the possibilities of the mine as a long-time producer.

Respectfully,

Peter H. Williams

Mining Engineer
Hecla Mining Co.

ARIZONA HANCOCK COPPER CO.

Form MF-103

Item 22

The present known lead-zinc ore body is locallized in a strong fault zone which attains a maximum width in excess of ten feet. Similarity of the geologic environment to the environment of the main ore body of the Magma mine which lies one mile to the northward implies the strong possibility of continuation of the Arizona Hancock ore body to depth. In both cases the ore is of the replacement type, locallized in altered diabase within a strong fault zone. It is further noteworthy that the fault within which the Arizona - Hancock vein has been emplaced taps the Concentrator-Main fault system in which the main ore body of the Magma mine developed (see attached photostat of Geologic Map of Superior Mining Area Arizona, published by Arizona Bureau of Mines).

Reported early "high-grading" operations have opened up a stope above the main level which is approximately 90 feet in length, 70 feet in height at the northwest end, about 45 feet in height at the southeast end, and 9 1/2 feet wide at its present widest point. (The stope at present has the appearance of a typical "gambusino" operation, with irregular blocks of vein material, a block of zinc ore, and two ore pillars left within its boundaries by the early "high graders".) Below the level an underhand stope has been started in the vein, attaining a stope length of roughly 25 feet, a depth of about 25 feet and a width of about 5 feet.

Since mining has so far been limited to very shallow depth, the lead and zinc minerals are predominantly "oxides". Cerussite is the most prominent mineral, with lesser amounts of galena, and subordinate wulfenite.

Together the two stopes indicate an ore body within the fault pitching toward the southwest, from which a worthwhile tonnage of lead-zinc ore may be mined following a relatively small amount of exploratory sinking and drifting.

Seton S. Williams

Seton S. Williams

Tucson, Arizona
May 17, 1951

REGISTERED GEOLOGIST
CERTIFICATE EXPIRES
SETON S.
WILLIAMS
DEC. 31, 19
ARIZONA, U.S.A.

Item 89

The pressure from sand-sized ore body is formidable; in a strong fault zone which contains a mixture with an excess of too fast. Similarity of the geologic environment to the environment of the main ore body of the Lagoon vein which lies only 3½ the continuous limited the strong probability of considerable of the intense limonite ore body to depth. In both cases the one is of the replacement type, localized in altered diabase within a strong fault zone. It is therefore noteworthy that the fault within which the Prison - Kennedy veins are been emplaced lays the northeastern-most fault system in which the main ore body of the Lagoon mine developed (see enclosed photostats of geologic map of inspector Mining Area Bulletin, published by Arizona Bureau of Mines).

Reported early "high-grading" operations have opened up a stope above the main level which is approximately 40 feet in length, 70 feet in height at the northwest end, about 45 feet in height at the southeast end, and 3 1/2 feet wide at the present widest point. (The stope at present has the appearance of a typical "pocketing" operation, with irregular blocks of vein material, a block of slate ore, and two ore pillars left within the boundaries by the early "high grading".) Below the level an unworked stope has been observed in the vein, exploiting a stope length of roughly 35 feet, a depth of about 25 feet and a width of about 3 feet.

There mining has so far been limited to very shallow depth, but lead and zinc minerals are moderatelyly "visible", especially in the most prominent minerals, with lesser amounts of galena, and subordinate sulfosalts.

Together the two stores indicate an ore body within the fault pointing toward the southwest. From which a reasonable succession of local-vein ore may be found following a particular combination of exploration mining and drifting.

Sidney S. Williams

Inspector, Uniform
Aug 17, 1951

dmd 1569X

Box 1174
Superior, Arizona
May 25, 1951

1951

U. S. Department of Interior
Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed herewith Form F. M 100 and Form F M 103 and attachments, each of which is in quadruplicate.

Application is hereby made for a serial number to be used in connection with my application for an exploration loan.

Yours very truly,

Franklin Boutwell White

Franklin Boutwell White.

FBW/j

6/8/51 - Per Mr. Strobel. Four copies of MF-100 to Mr. Speaker on 6/8/51 for serialization. - bl

Box 1174
Superior, Arizona
May 25, 1951

U. S. Department of Interior
Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed herewith Form F. M 100 and Form F M 103 and attachments, each of which is in quadruplicate.

Application is hereby made for a serial number to be used in connection with my application for an exploration loan.

Yours very truly,

Franklin Boutwell White

Franklin Boutwell White.

FBW/j

Box 1174
Superior, Arizona
May 25, 1951

U. S. Department of Interior
Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed herewith Form F. M 100 and Form F M 103 and attachments, each of which is in quadruplicate.

Application is hereby made for a serial number to be used in connection with my application for an exploration loan.

Yours very truly,

Franklin Boutwell White

Franklin Boutwell White.

FBW/j

This is application for Expl. Loan

Exploration Loan

Box 1174
Superior, Arizona
May 25, 1951

U. S. Department of Interior
Defense Minerals Administration
224 New Custom House Building
Denver 2, Colorado

Gentlemen:

Enclosed herewith Form F. M 100 and Form F M 103 and attachments, each of which is in quadruplicate.

Application is hereby made for a serial number to be used in connection with my application for an exploration loan.

Yours very truly,

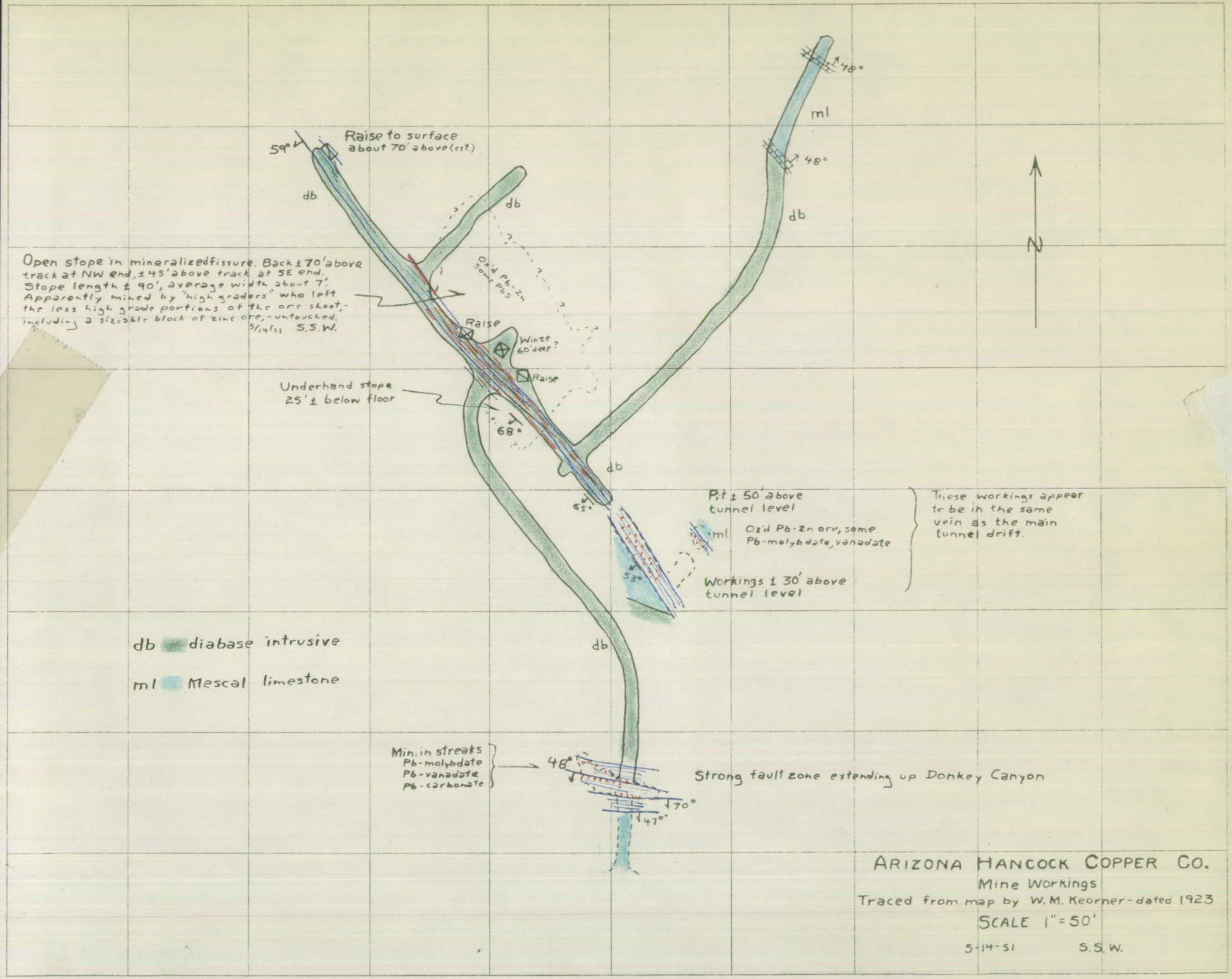
Franklin Boutwell White

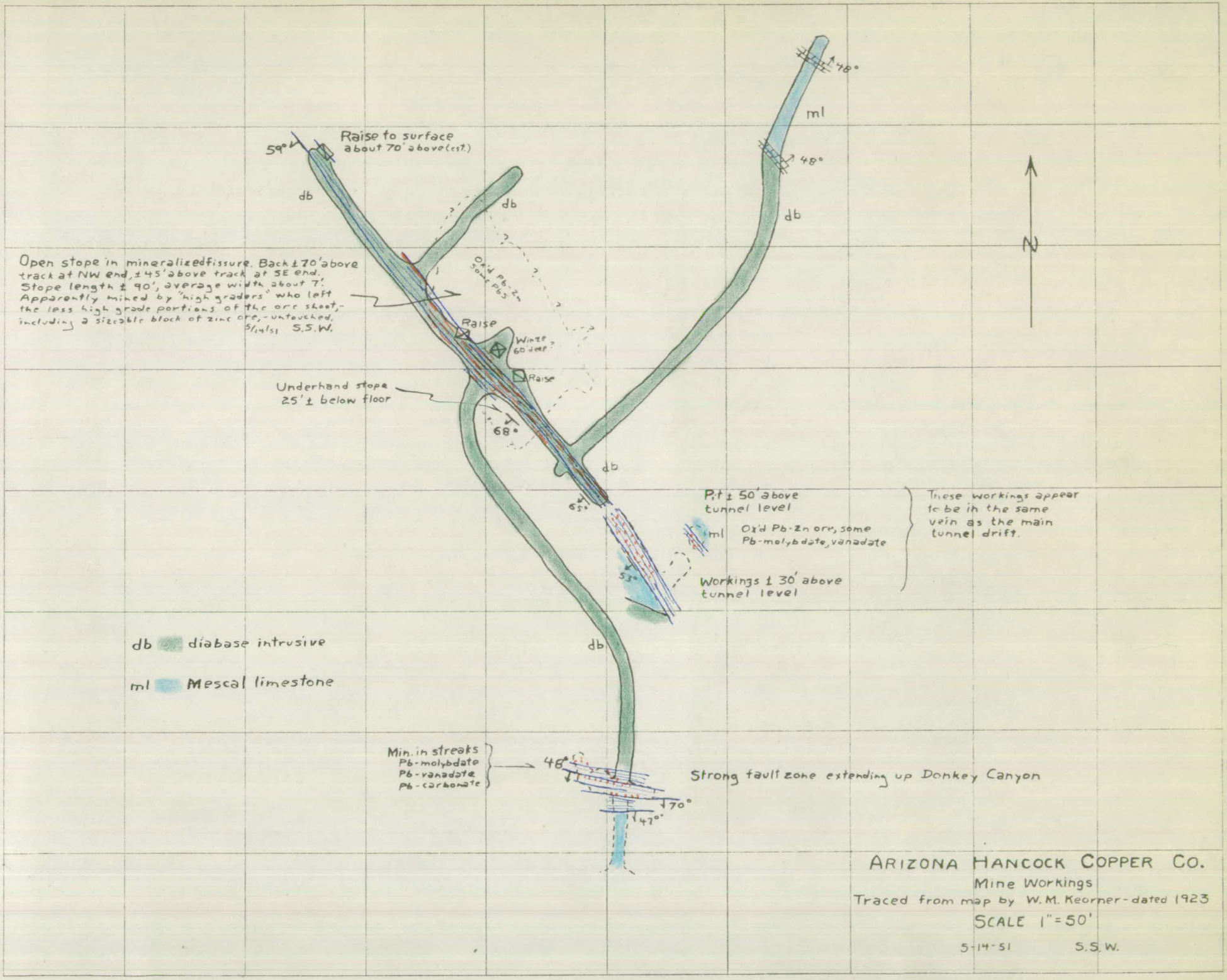
Franklin Boutwell White.

FBW/j

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
Postmarked 6/1/51
JUN 4 - 1951
LANDON F. STROBEL
Executive Secretary

5


Raise to surface
about 70' above (est.)
59°
db
db
Open stope in mineralized fissure. Back ± 70' above track at NW end, ± 45' above track at SE end. Stope length ± 90', average width about 7'. Apparently mined by "high graders" who left the less high grade portions of the ore shoot, - including a sizeable block of zinc ore, - untouched.
5/14/51 S.S.W.
Old Pb-Zn some Pb-S
Raise
Winze
60' deep?
Raise
Underhand stope
25' ± below floor
68°
db
65°
Pit ± 50' above
tunnel level
ml
Ox'd Pb-Zn ore, some
Pb-molybdate, vanadate
53°
Workings ± 30' above
tunnel level
These workings appear
to be in the same
vein as the main
tunnel drift.
db
db
db diabase intrusive
ml Mescal limestone
Min. in streaks
Pb-molybdate
Pb-vanadate
Pb-carbonate
48°
Strong fault zone extending up Donkey Canyon
70°
47°
48°
ml
48°
db
N
ARIZONA HANCOCK COPPER CO.
Mine Workings
Traced from map by W. M. Keorner - dated 1923
SCALE 1" = 50'
5-14-51 S.S.W.


Raise to surface
about 70' above (est.)
59°
db
db
Open stope in mineralized fissure. Back ± 70' above track at NW end, ± 45' above track at SE end. Stope length ± 90', average width about 7'. Apparently mined by "high graders" who left the less high grade portions of the ore shoot, - including a sizeable block of zinc ore, - untouched.
5/14/51 S.S.W.
Old Pb-Zn some Pb-S
Raise
Winze 60' deep
Raise
Underhand stope
25' ± below floor
68°
db
65°
53°
db
48°
ml
48°
db
N
Pit ± 50' above tunnel level
ml
Ox'd Pb-Zn ore, some Pb-molybdate, vanadate
Workings ± 30' above tunnel level
These workings appear to be in the same vein as the main tunnel drift.
db diabase intrusive
ml Mescal limestone
Min. in streaks
Pb-molybdate
Pb-vanadate
Pb-carbonate
48°
70°
47°
Strong fault zone extending up Donkey Canyon
ARIZONA HANCOCK COPPER CO.
Mine Workings
Traced from map by W. M. Keorner - dated 1923
SCALE 1" = 50'
5-14-51 S.S.W.

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
216009	Winze Sample	.10	1.05	5.4		5.5				

METAL QUOTATIONS:

GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 3.75 (Paid Credit 50¢)

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE 9/22/48 PER H Bowen Jr ASSAYER.

CPD 1080-5M-448

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF [illegible]

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
	average sample of the vein									
216[illegible]	# 1 - 10 ft.	[illegible]	[illegible]	[illegible]		[illegible]				
216[illegible]	average sample # 2 - 10 ft. A	[illegible]	[illegible]	[illegible]		[illegible]				
216[illegible]	# 3 - Sectio[illegible] average of 4 ft left on hanging wall. work done by shovelers 40 years ago	.03	0.3	[illegible]		[illegible]				

METAL QUOTATIONS:

GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ [illegible] Paid

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE [illegible] PER H Bowen Jr ASSAYER.

CPC-5M-1248

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

WESTERN REGION
ECONOMICS AND STATISTICS SERVICE

August 4, 1943

340 FEDERAL BUILDING.
SALT LAKE CITY, UTAH

Mr. Frank B. White
Box 1174
Superior, Arizona

Dear Mr. White:

In compliance with your request, the production of the Columbia Group located in the Pioneer district, Pinal County, Arizona, and operated by the Arizona Hancock Copper Co. in 1916 is as follows: (in terms of recovered metals) Crude ore shipped to smelter, 43 tons; ounces gold, 9; ounces silver, 264; pounds copper, 6; and pounds lead, 29,890. We hope this is the information you are seeking.

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

Yours very truly,

G. E. Woodward

GEORGE E. WOODWARD
Supervising Engineer
Salt Lake Section

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
216009	Winze Sample	.10	1.05	5.4		5.5				

METAL QUOTATIONS:
GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 3.75 (Paid Credit 50¢)

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE 9/22/48 PER H Bowen Jr ASSAYER.

CPD 1080-5M-448

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
	average Sample of the vein									
218628	# 1 - 10 Ft.	.01	0.7	4.0		5.8				
	average Sample									
218629	# 2 - 10 Ft.	.08	0.9	5.5		5.7				
218630	# 3 - Eastside average of 4 ft left on hanging wall. work done by Alhambra 40 years ago	.03	0.8	2.4		4.4				

METAL QUOTATIONS:
GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 12/ Paid

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE 3/2/49 PER H Bowen Jr ASSAYER.

CPC-5M-1248

APR - 7 1950

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

WESTERN REGION
ECONOMICS AND STATISTICS SERVICE

August 4, 1943

340 FEDERAL BUILDING.
SALT LAKE CITY, UTAH

Mr. Frank B. White
Box 1174
Superior, Arizona

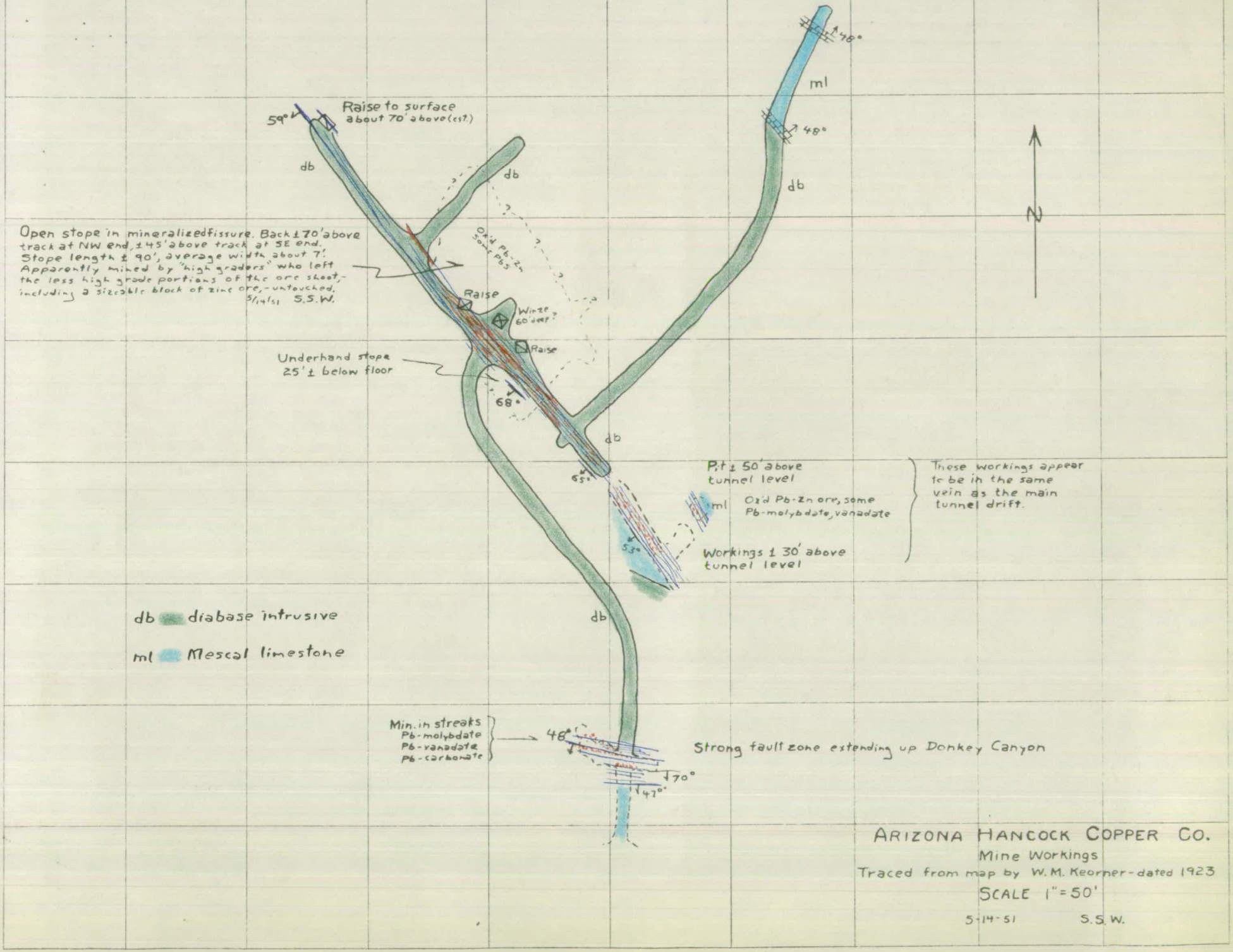
Dear Mr. White:

In compliance with your request, the production of the Columbia Group located in the Pioneer district, Pinal County, Arizona, and operated by the Arizona Hancock Copper Co. in 1916 is as follows: (in terms of recovered metals) Crude ore shipped to smelter, 43 tons; ounces gold, 9; ounces silver, 264; pounds copper, 6; and pounds lead, 29,890. We hope this is the information you are seeking.

Yours very truly,

GEORGE E. WOODWARD
Supervising Engineer
Salt Lake Section

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS



ARIZONA HANCOCK COPPER CO.

Mine Workings

Traced from map by W. M. Keorner - dated 1923

SCALE 1" = 50'

5-14-51 S.S.W.

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
216009	Winze Sample	.10	1.05	5.4		5.5				

METAL QUOTATIONS:
GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 3.75 (Paid Credit 50¢) HAWLEY & HAWLEY
SILVER ____ PER OZ. ____ PER LB. DATE 9/22/48 PER H Bowen Jr ASSAYER.

CPD 1080-5M-448

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
	average Sample of the vein									
218628	# 1 - 10 Ft.	.01	0.7	4.0		5.8				
	average Sample									
218629	# 2 - 10 Ft.	.08	0.9	5.5		5.7				
218630	# 3 - Eastside average of 4 ft left on hanging wall. work done by shoulders 40 years ago	.03	0.8	2.4		4.4				

METAL QUOTATIONS:
GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 12/ Paid HAWLEY & HAWLEY
SILVER ____ PER OZ. ____ PER LB. DATE 3/2/49 PER H Bowen Jr ASSAYER.

CPC-5M-1248

APR - 7 1950

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

WESTERN REGION
ECONOMICS AND STATISTICS SERVICE

340 FEDERAL BUILDING.
SALT LAKE CITY, UTAH

August 4, 1943

Mr. Frank B. White
Box 1174
Superior, Arizona

Dear Mr. White:

In compliance with your request, the production of the Columbia Group located in the Pioneer district, Pinal County, Arizona, and operated by the Arizona Hancock Copper Co. in 1916 is as follows: (in terms of recovered metals) Crude ore shipped to smelter, 43 tons; ounces gold, 9; ounces silver, 264; pounds copper, 6; and pounds lead, 29,890. We hope this is the information you are seeking.

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS

Yours very truly,

G E Woodward

GEORGE E. WOODWARD
Supervising Engineer
Salt Lake Section

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
216009	Winze Sample	.10	1.05	5.4		5.5				

METAL QUOTATIONS:

GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 3.75 (Paid Credit 50¢)

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE 9/22/48 PER H Bowen Jr ASSAYER.

CPD 1080-5M-448

ASSAYERS
CHEMISTS

EL PASO, TEXAS
BOX 4

HAWLEY & HAWLEY

W. E. HAWLEY, MANAGER
DOUGLAS, ARIZONA
537 12TH STREET
BOX 1060

SHIPPERS REPRESENTATIVES
BULLION BUYERS
ORE BUYERS

WE HEREBY CERTIFY THAT THE FOLLOWING RESULTS WERE OBTAINED FROM SAMPLES OF F. B. White

OFFICE NO.	MARKED	GOLD OZS.	SILVER OZS.	LEAD PER CENT	COPPER PER CENT	ZINC PER CENT	IRON PER CENT	GOLD VALUE PER TON	SILVER VALUE PER TON	TOTAL VALUE
218628	average Sample of the vein # 1 - 10 Ft.	.01	0.7	4.0		5.8				
218629	average Sample # 2 - 10 Ft.	.08	0.9	5.5		5.7				
218630	# 3 - Eastside average of 4 ft left on hanging wall. work done by allouders 40 years ago	.03	0.8	2.4		4.4				

METAL QUOTATIONS:

GOLD $35.00 PER OZ. COPPER ____ C PER LB. CHARGES: $ 12/ Paid

HAWLEY & HAWLEY

SILVER ____ PER OZ. ____ PER LB. DATE 3/2/49 PER H Bowen Jr ASSAYER.

CPC-5M-1248

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

APR - 7 1950
BY

WESTERN REGION
ECONOMICS AND STATISTICS SERVICE

August 4, 1943

340 FEDERAL BUILDING.
SALT LAKE CITY.1 UTAH

Mr. Frank B. White
Box 1174
Superior, Arizona

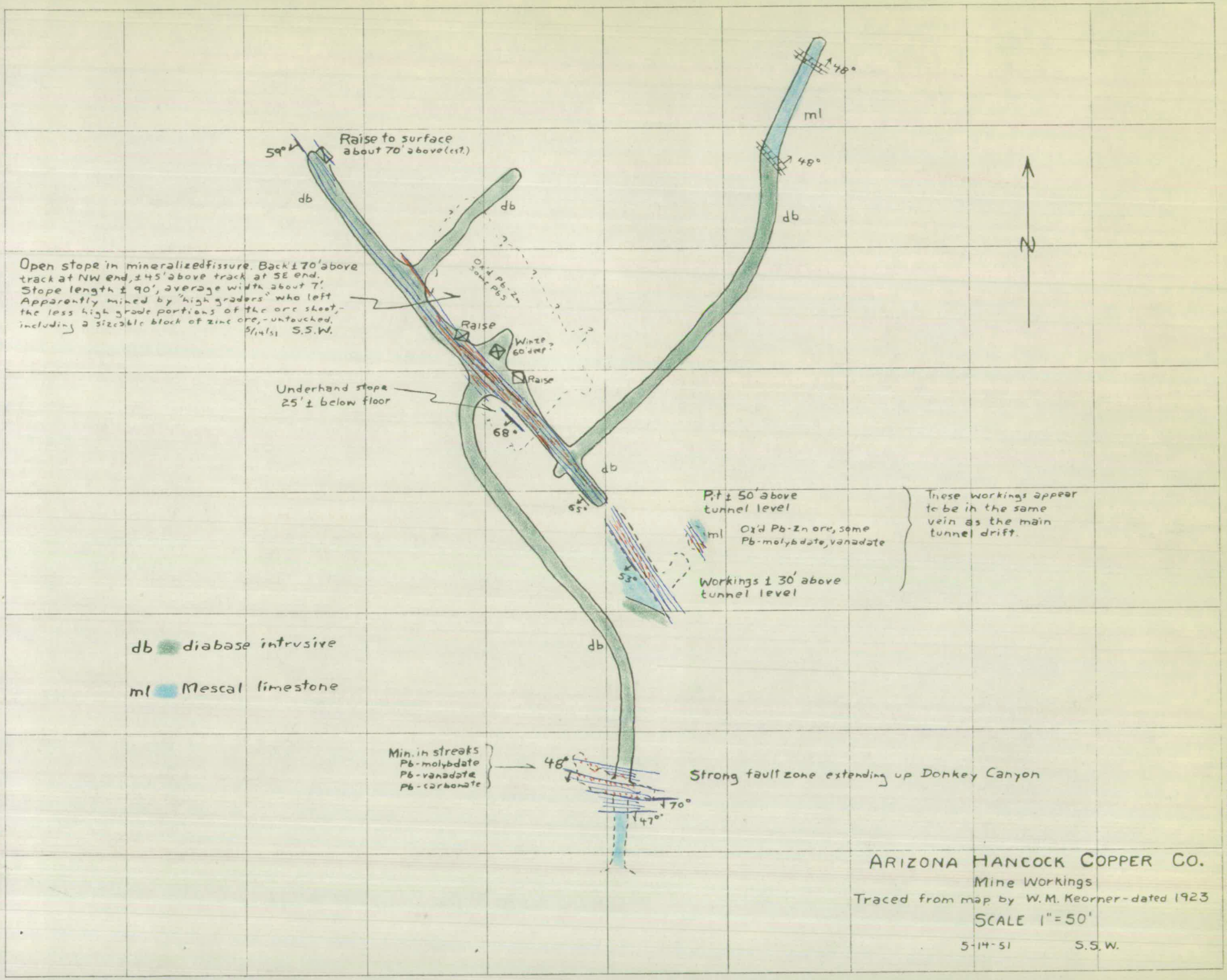
Dear Mr. White:

In compliance with your request, the production of the Columbia Group located in the Pioneer district, Pinal County, Arizona, and operated by the Arizona Hancock Copper Co. in 1916 is as follows: (in terms of recovered metals) Crude ore shipped to smelter, 43 Tons; ounces gold, 9; ounces silver, 264; pounds copper, 6; and pounds lead, 29,890. We hope this is the information you are seeking.

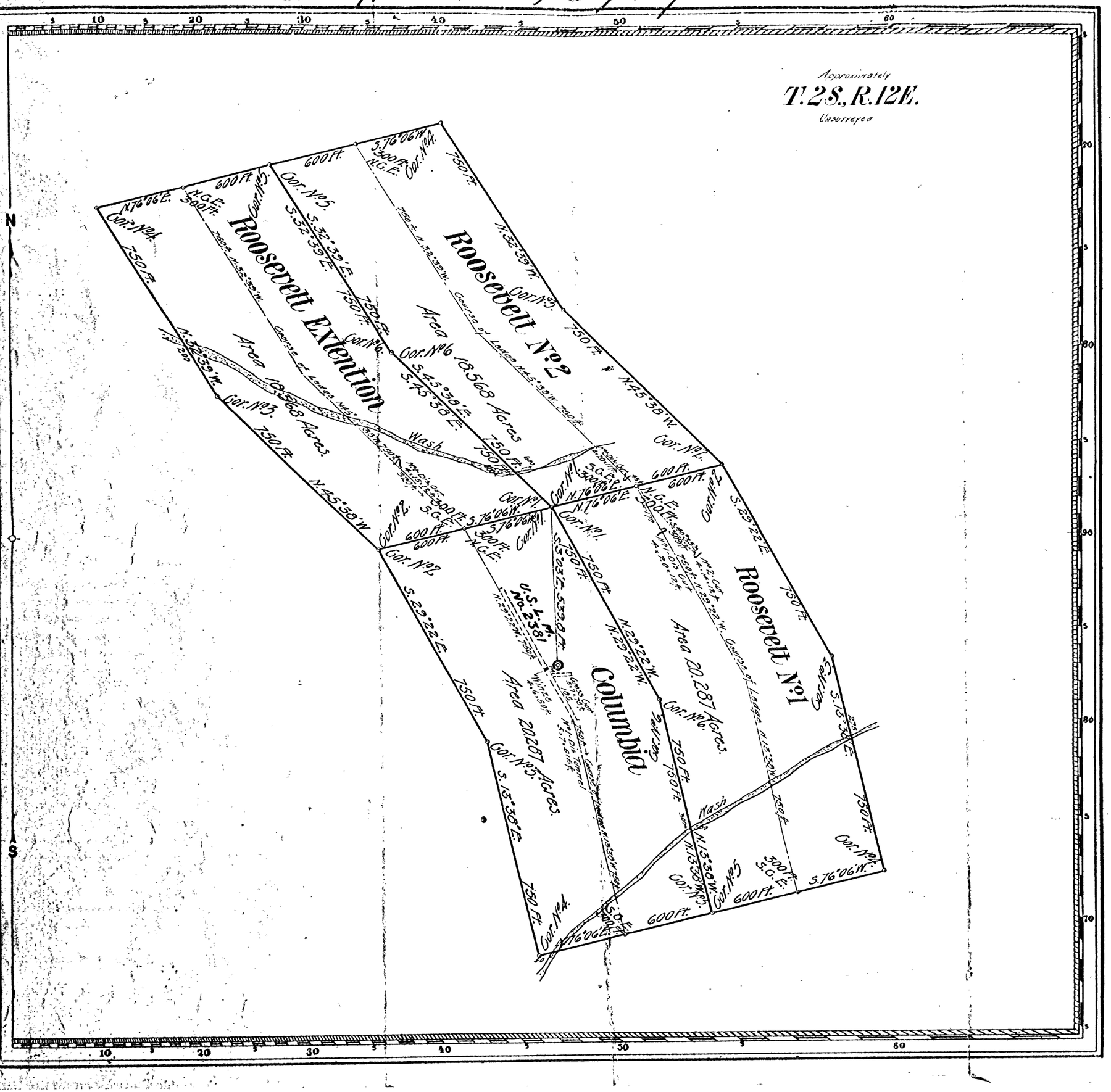
Yours very truly,

GEORGE E. WOODWARD
Supervising Engineer
Salt Lake Section

FOR VICTORY BUY UNITED STATES WAR BONDS AND STAMPS


Raise to surface
about 70' above (est.)
59°
db
db
Open stope in mineralized fissure. Back ± 70' above track at NW end, ± 45' above track at SE end. Stope length ± 90', average width about 7'. Apparently mined by "high graders" who left the less high grade portions of the ore shoot, - including a sizeable block of zinc ore, - untouched.
5/14/51 S.S.W.
Old Pb-Zn stope Pb-S
Raise
Winze 60' dip
Raise
Underhand stope
25' ± below floor
68°
db
65°
db
db
48°
ml
48°
db
N
P.t ± 50' above tunnel level
ml
Ox'd Pb-Zn ore, some Pb-molybdate, vanadate
53°
Workings ± 30' above tunnel level
These workings appear to be in the same vein as the main tunnel drift.
db diabase intrusive
ml Mescal limestone
Min. in streaks
Pb-molybdate
Pb-vanadate
Pb-carbonate
48°
Strong fault zone extending up Donkey Canyon
70°
47°
ARIZONA HANCOCK COPPER CO.
Mine Workings
Traced from map by W. M. Keorner - dated 1923
SCALE 1" = 50'
5-14-51 S.S.W.

Vol 49, P438, M. #6719 (4-675)



Claims located Columbia, April 2, 1904.
Roosevelt No. 1, Roosevelt No. 2 & Roosevelt Extention, Feb. 23, 1903.
Mineral Survey No. 2381

L.O.T. No.
Arizona Land District.

PLAT

OF THE CLAIM OF

Arizona Hancock Copper Company

KNOWN AS THE

Columbia, Roosevelt Extention, Roosevelt No. 1 and Roosevelt No. 2.

IN Pioneer MINING DISTRICT,
Pinal COUNTY, Arizona
Containing an Area of 77.710 Acres.
Scale of 300 Feet to the inch.
Variation 12°20' & 13°20' E.

SURVEYED March 11-13, 1902 BY
William H. Merritt,
U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of Arizona Hancock Copper Company known as the

Columbia, Roosevelt Extention, Roosevelt No. 1 and Roosevelt No. 2.

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 claimant or for case of ..., or its grantors, and that said improvements consist of

1 Tunnel, 1 Cross Cut, 4 Cuts and 1 Winze, valued at $4030.
1/4 of value of Tunnel No. 1 Columbia Lode, credited to Roosevelt No. 2, Roosevelt No. 1 and Roosevelt Extention, each.

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.
Phoenix, Arizona,
April 29, 1902.

Frank A. Gilpatrick
U.S. Surveyor General for
Arizona.

213477

Vol 439, P438, # 46719 (4-675)

Claims Located Columbia, April 2, 1901.
Roosevelt No. 1, Roosevelt No. 2 & Roosevelt Extention, Feb. 23, 1903.
Mineral Survey No. 2381

L.O.T. No.
Arizona Land District.

PLAT

OF THE CLAIM OF

Arizona Hancock Copper Company

KNOWN AS THE

Columbia, Roosevelt Extention, Roosevelt No. 1 and Roosevelt No. 2.

IN Pioneer MINING DISTRICT,
Pinal COUNTY, Arizona
Containing an Area of 77.710 Acres.
Scale of 300 Feet to the inch.
Variation 12° 20' 13" 20" E.

SURVEYED March 11-15, 1907 BY
William H. Merritt,
U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of Arizona Hancock Copper Company known as the

Columbia, Roosevelt Extention, Roosevelt No. 1 and Roosevelt No. 2

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, or for each of, said Mining Claims by claimant ____, or its grantors, and that said improvements consist of

1 Tunnel, 1 Cross Cut, 2 Cuts and 1 Winze, valued at $4830.
1/4 of value of Tunnel No. 1 - Columbia Lode, credited to Roosevelt No. 2, Roosevelt No. 1 and Roosevelt Extention, each.

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.

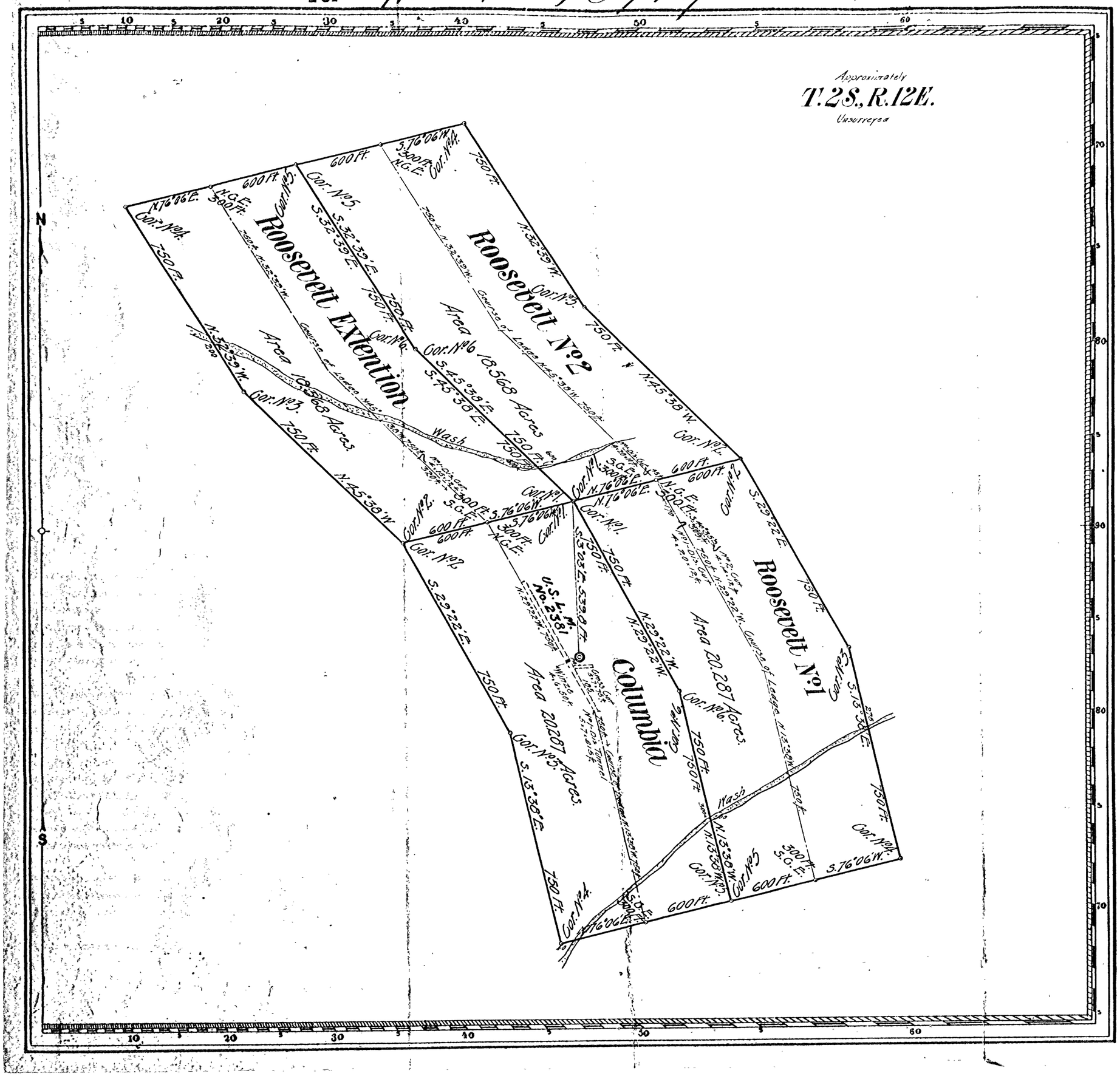
And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office,
Phoenix, Arizona,
April 29, 1907.

Frank S. Ingalls
U.S. Surveyor General for
Arizona.

213477

Vol 49, P438, M. 46719 (4-675)



Claims located Columbia, April 2, 1901.
Roosevelt No 1, Roosevelt No 2 & Roosevelt Extention, Feb. 23, 1903.
Mineral Survey No. 2381

L.O.T. No
Arizona Land District.

PLAT

OF THE CLAIM OF

Arizona Hancock Copper Company

KNOWN AS THE

Columbia, Roosevelt Extention, Roosevelt No 1 and Roosevelt No 2.

IN Pioneer MINING DISTRICT,
Pinal COUNTY, Arizona
Containing an Area of 77.710 Acres.
Scale of 300 Feet to the inch.
Variation 12°20' 13°20' E.
SURVEYED March 11-15, 1902 BY
William H. Merritt,
U.S. Deputy Mineral Surveyor.

The Original Field Notes of the Survey of the Mining Claim of Arizona Hancock Copper Company known as the

Columbia, Roosevelt Extention, Roosevelt No 1 and Roosevelt No 2.

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 claimant or by its grantors, and that said improvements consist of 1 Tunnel, 1 Cross Cut, 4 Cuts and 1 Winze, valued at $4030. 1/4 of value of Tunnel No 1 Columbia Lode, credited to Roosevelt No 2, Roosevelt No 1 and Roosevelt Extention, each, 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.

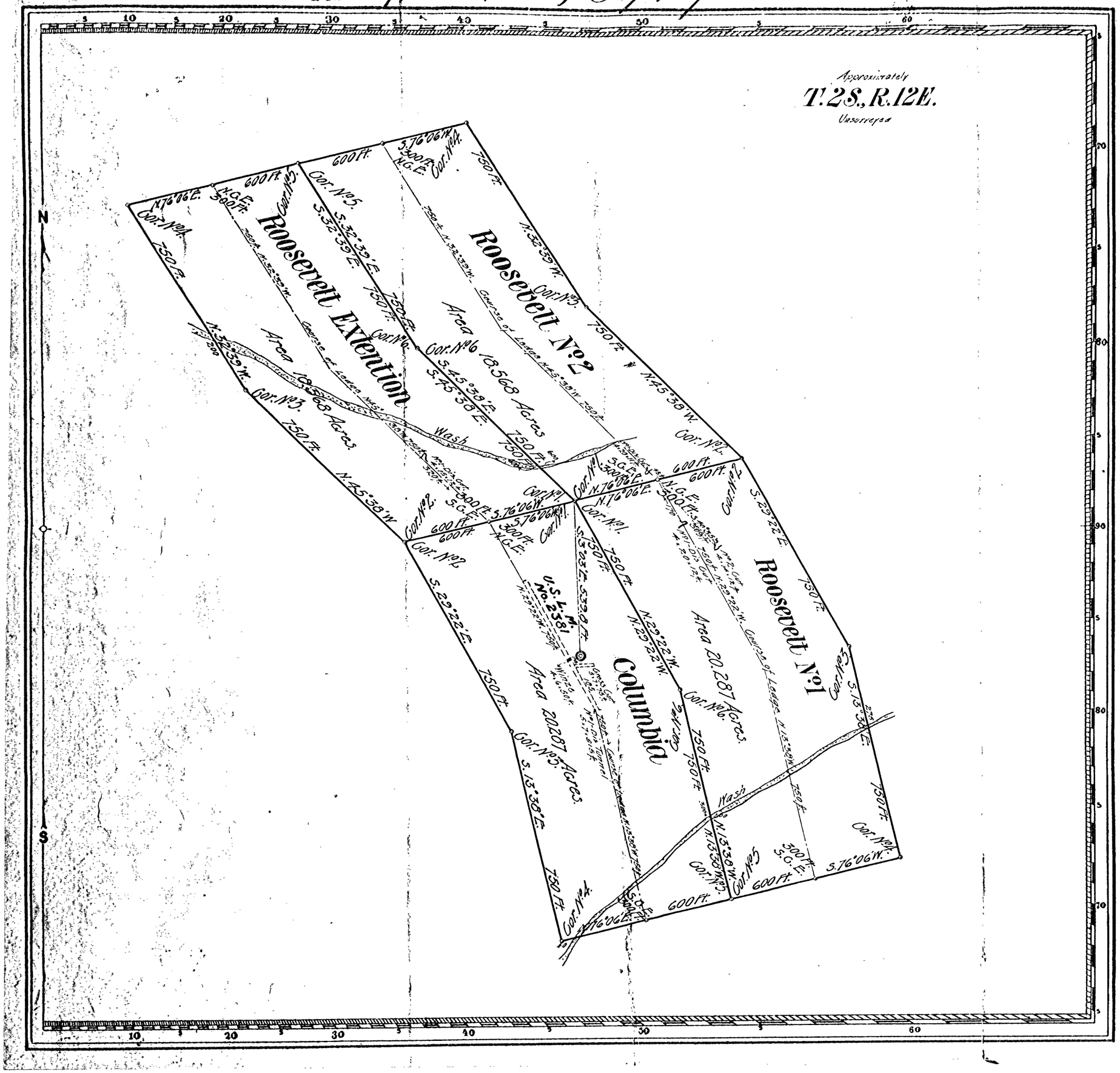
And I further certify that this is a correct plat of said Mining Claim made in conformity with said original field notes of the survey thereof, and the same is hereby approved.

U.S. Surveyor General's Office,
Phoenix, Arizona,
April 29, 1902.

Frank S. Ingalls
U.S. Surveyor General for
Arizona.

213477

Vol 49, P438, #6719 (4-675)



Claims Located Columbia, April 2, 1904.
Roosevelt No 1, Roosevelt No 2 & Roosevelt Extention, Feb. 23, 1903.
Mineral Survey No. 2381

L.O.T. No.

Arizona Land District.

PLAT

OF THE CLAIM OF

Arizona Hancock Copper Company

KNOWN AS THE

Columbia, Roosevelt Extention, Roosevelt No 1 and Roosevelt No 2.

IN Pioneer MINING DISTRICT,
Pinal COUNTY, Arizona
Containing an Area of 17.710 Acres.
Scale of 300 Feet to the inch.
Variation 12°20' 13°20' E.
SURVEYED March 11-13, 1907 BY
William H. Merritt,
U.S. Deputy Mineral Surveyor,

The Original Field Notes of the Survey of the Mining Claim of Arizona Hancock Copper Company known as the

Columbia, Roosevelt Extention, Roosevelt No 1 and Roosevelt No 2.

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.

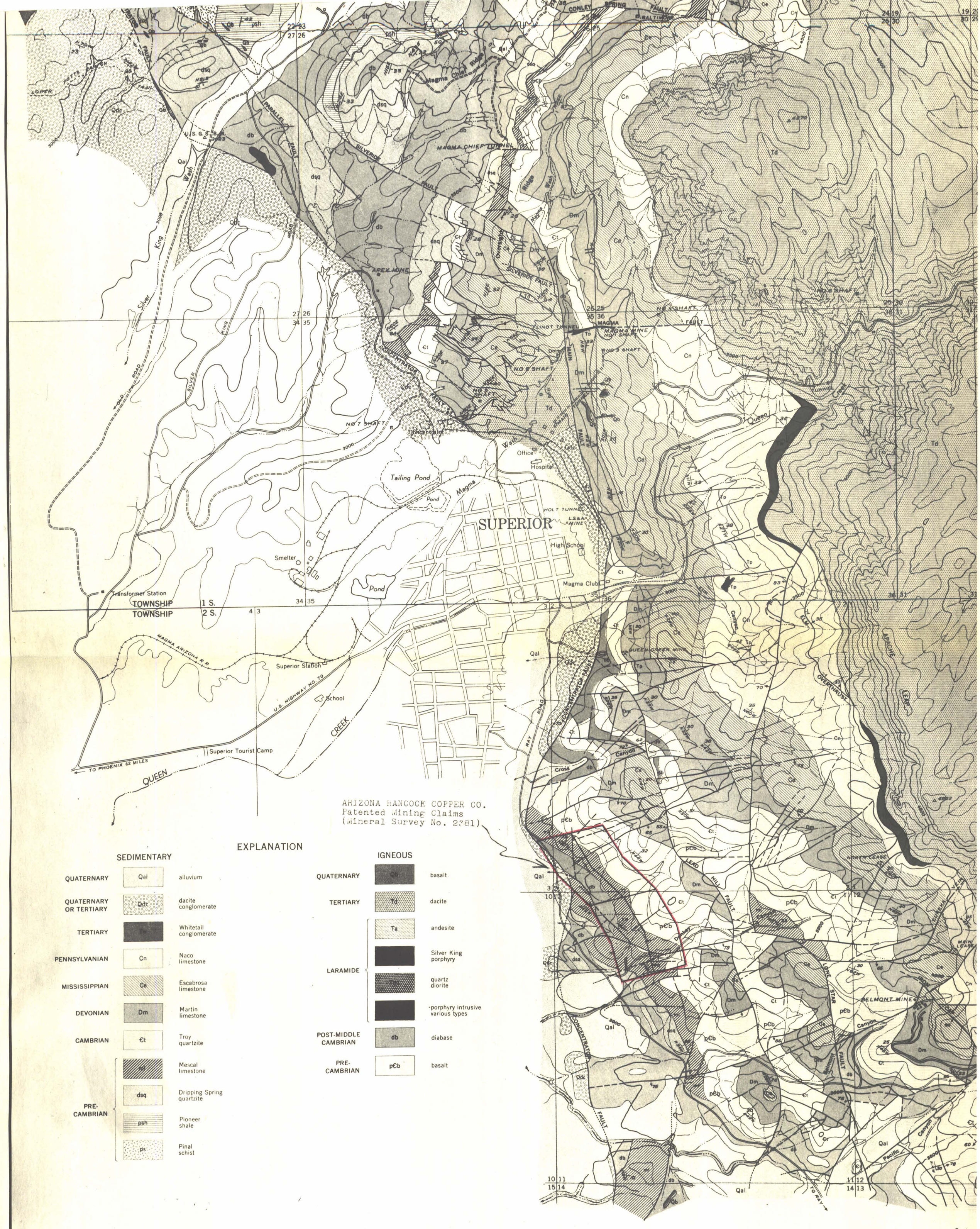
I further certify that Five Hundred Dollars worth of labor has been expended, or improvements made upon said Mining Claim by claimant, or its grantors, and that said improvements consist of 1 Tunnel, 1 Cross Cut, 4 Cut's and 1 Winze, valued at $4030. 1/4 of value of Tunnel No 1 - Columbia Lode, credited to Roosevelt No 2, Roosevelt No 1 and Roosevelt Extention, each, 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,
Phoenix, Arizona,
April 29, 1907.

Frank S. Lyall
U.S. Surveyor General for
Arizona.

213477



EXPLANATION

SEDIMENTARY

QUATERNARY	Qal	alluvium
QUATERNARY OR TERTIARY	Qdc	dacite conglomerate
TERTIARY	Tw	Whitetail conglomerate
PENNSYLVANIAN	Cn	Naco limestone
MISSISSIPPIAN	Ce	Escabrosa limestone
DEVONIAN	Dm	Martin limestone
CAMBRIAN	Ct	Troy quartzite
PRE-CAMBRIAN	ml	Mescal limestone
	dsq	Dripping Spring quartzite
	psh	Pioneer shale
	ps	Pinal schist

IGNEOUS

QUATERNARY	Qb	basalt
TERTIARY	Td	dacite
LARAMIDE	Ta	andesite
		Silver King porphyry
		quartz diorite
		porphyry intrusive various types
POST-MIDDLE CAMBRIAN	db	diabase
PRE-CAMBRIAN	p€b	basalt

Geology with co

GEOLOGIC MAP OF SUPERIOR MINING AREA ARIZONA

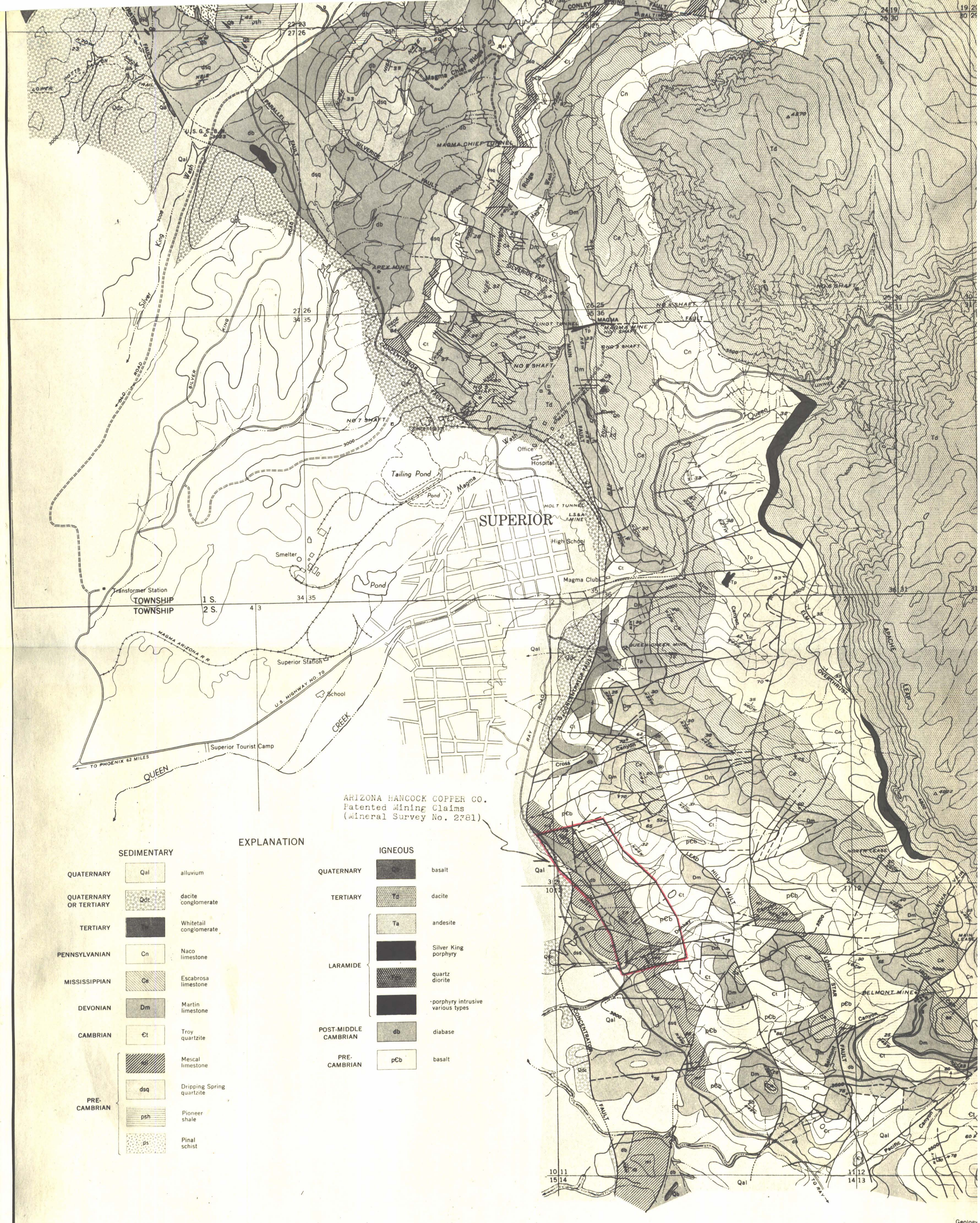
Scale 1in = 1000 ft.

1000 0 1000 5000 Feet

Contour Interval 100 Feet

Datum is mean sea level

ARIZONA BUREAU OF MINES BULLETIN 150
GEOLOGICAL SERIES No.16, Jan.1, 1942



GEOLOGIC MAP OF SUPERIOR MINING AREA ARIZONA

Scale 1in = 1000 ft.

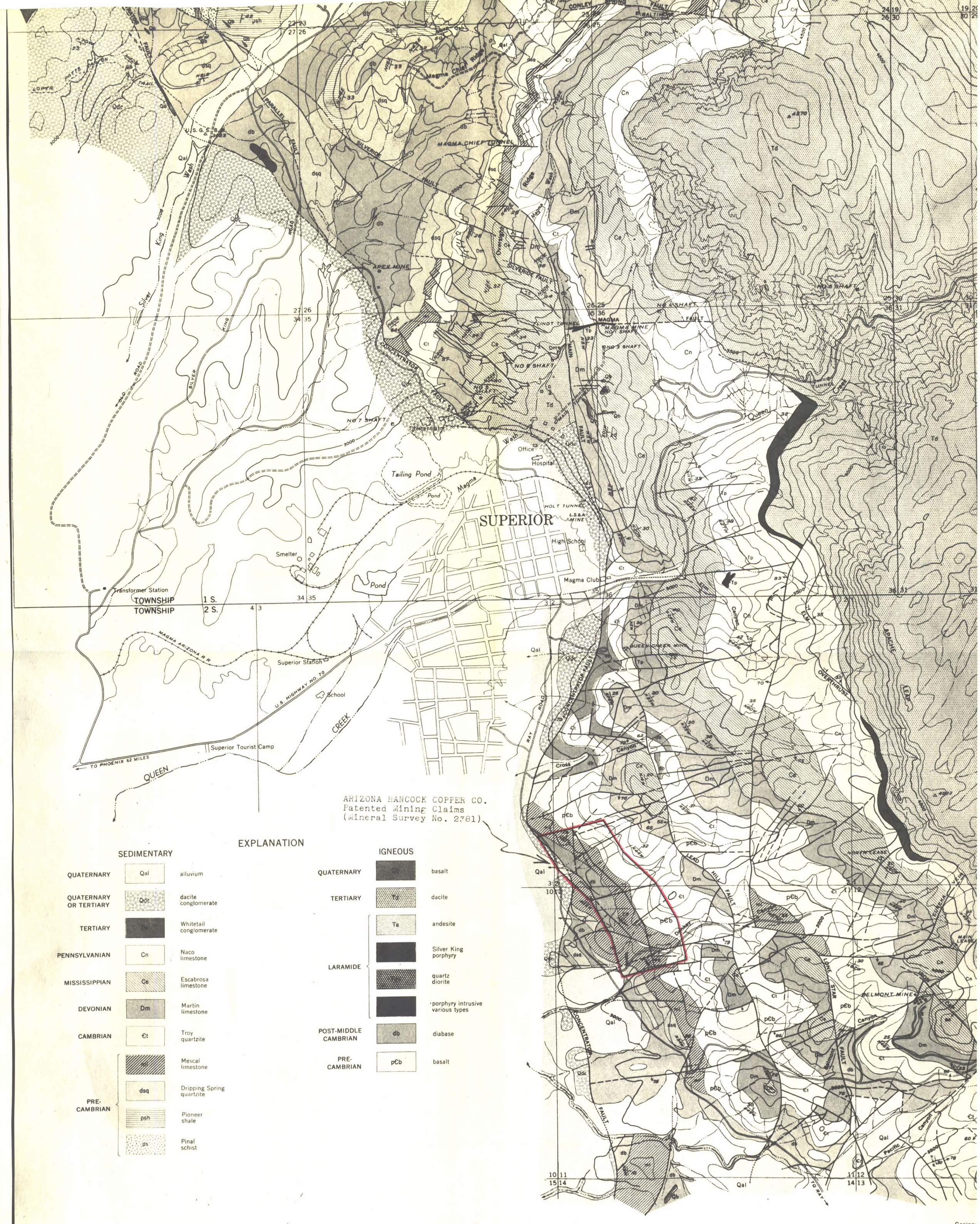
1000 0 1000 5000 Feet

Contour Interval 100 Feet

Datum is mean sea level

Geology
with co

ARIZONA BUREAU OF MINES BULLETIN 150
GEOLOGICAL SERIES No.16, Jan.1, 1942



Geology
with co

GEOLOGIC MAP OF SUPERIOR MINING AREA ARIZONA

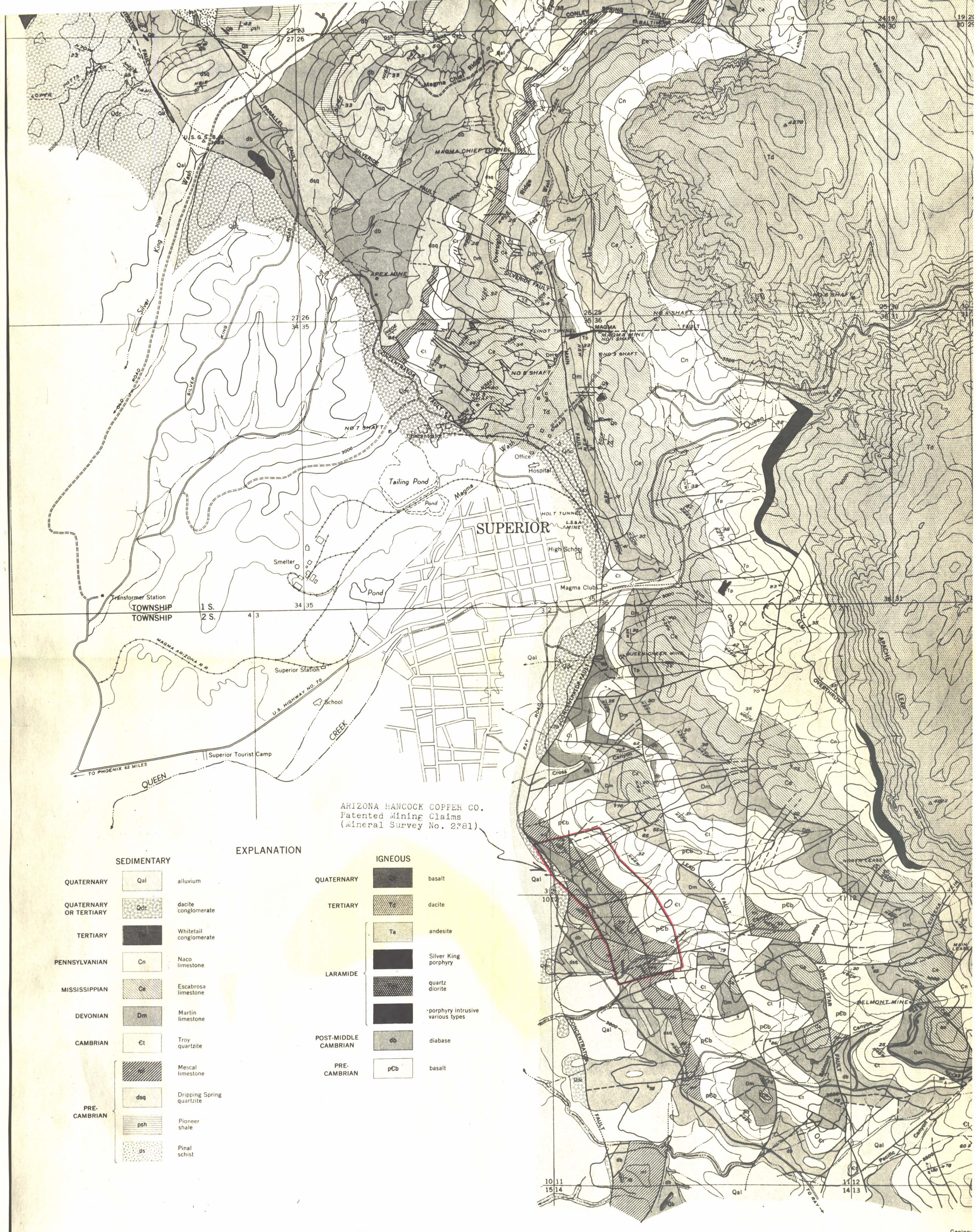
Scale 1in = 1000 ft.

1000 0 1000 5000 Feet

Contour Interval 100 Feet

Datum is mean sea level

ARIZONA BUREAU OF MINES BULLETIN 150
GEOLOGICAL SERIES No.16, Jan.1, 1942



ARIZONA HANCOCK COPPER CO.
Patented Mining Claims
(Mineral Survey No. 2781)

EXPLANATION

SEDIMENTARY

QUATERNARY	Qal	alluvium
QUATERNARY OR TERTIARY	Qdc	dacite conglomerate
TERTIARY	Tw	Whitetail conglomerate
PENNSYLVANIAN	Cn	Naco limestone
MISSISSIPPIAN	Ce	Escabrosa limestone
DEVONIAN	Dm	Martin limestone
CAMBRIAN	Ct	Troy quartzite
PRE-CAMBRIAN	ml	Mescal limestone
	dsq	Dripping Spring quartzite
	psh	Pioneer shale
	ps	Pinal schist

IGNEOUS

QUATERNARY	Qb	basalt
TERTIARY	Td	dacite
LARAMIDE	Ta	andesite
		Silver King porphyry
		quartz diorite
		porphyry intrusive various types
POST-MIDDLE CAMBRIAN	db	diabase
PRE-CAMBRIAN	pCb	basalt

Geology with co

GEOLOGIC MAP OF SUPERIOR MINING AREA ARIZONA

Scale 1in = 1000 ft.

1000 0 1000 5000 Feet

Contour Interval 100 Feet

Datum is mean sea level

ARIZONA BUREAU OF MINES BULLETIN 150
GEOLOGICAL SERIES No.16, Jan.1, 1942