330

FILE COPY
SURNAME:

Bourret

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

AIR MAIL

July 18, 1951

Mr. W. S. Rutledge, President
Stephenson, Leydecker Company
1404 Franklin Street
Oakland, California

Re: Monazite
Black Worrior Placer
DMA docket 1356x

Dear Mr. Rutledge:

Your application of May 26, 1951, for an exploration project in the amount of $15, 261.50 has been reviewed by the DMA and its field engineers.

After careful study and consideration, including a field examination we must advise that in our judgment the possibility of developing a commercial monazite bearing deposit is believed too unlikely to warrant undertaking the exploration proposed by your company. For this reason I regret to advise that your application has been denied by the Defense Minerals Administration.

Yours very truly,

Tom Lyon

7/23

Tom Lyon, Director
Supply Division

WBourret/bf
cc: Adm. Reading File
Reports & Records
Lyon
Field Team VII
Kline, Bluemont, Virginia
Bourret
Files

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

July 18, 1951

MEMORANDUM

To: R & R, Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Monazite, Black Worrior Placer, DMA docket 1356x

Under date of May 26, 1951, Mr. W. S. Rutledge, Pres., Stephenson, Leydecker Co., Oakland, California, requested an exploration project in the amount of $15,261.50.

The subject docket was referred to the field team for appropriate examination. Under date of July 3, 1951, Mr. E. J. Carlson, SMIB, reported as follows:

> "The investigation indicates that there may be four million yards of stream gravels, the indicated average content of which is 0.15 lbs of monazite per which a minimum of 2.0 lbs per cubic yard is usually required for a commercial operation in this area. In view of the extremely low monazite content it is obvious that this proposition does not warrant further investigation."

Attached hereto find copy of letter of even date advising the applicant of DMA denial.

Attached hereto please find the complete docket, which includes the following:

(a) One copy of form MF-103
(b) Copy of form MF-200 with attachments
(c) Report of E. J. Carlson, dated July 13, 1951, for the SMIB.

On July 13, 1951, Mr. M. H. Kline, Chief, SMIB, recommended accepting Mr. Carlson's conclusions and notifying applicant of denial.

Weston Bourret
Weston Bourret, Chief
Minor and Rare Metals Branch

Approved:
Tom Lyon
Director, Supply Division

330

FILE COPY
SURNAME:
Bourret

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

July 18, 1951

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Approved: Tom Lyon

Director, Supply Division

SIGNED

Weston Bourret, Chief
Minor and Rare Metals Branch

WBourret/bf

Files

P. O. Box 2272 - Boise, Idaho

July 5, 1951

Mr. M. H. Kline, Chief
U. S. Bureau of Mines, SMIB
Mt. Weather
Bluemont, Virginia

Dear Mr. Kline:

Please find enclosed the forms, papers, and letters regarding the Black Warrior claims of Elmore County, Idaho.

R. F. Griffith, of our staff, made a preliminary investigation and wrote a brief report of the area on July 2 and 3, 1951. Several pictures were taken of the area and are enclosed with the negatives.

The four samples taken of the area were concentrated this morning. From these sample results and Griffith's findings, I have written a rough "summary, conclusions and recommendation" which is included with our report.

Very truly yours,

Edwin J. Carlson

Enc.

Original

PRELIMINARY REPORT ON THE BLACK WARRIOR CREEK PLACER DEPOSIT

July 3, 1951

INTRODUCTION

At the request of Mr. A. E. Weissenborn, Executive Officer, DMA Field Team, Region II, and with the approval of Mr. M. H. Kline, Chief, SMIB, a preliminary examination was made of the Black Warrior Creek placer deposit by the Idaho staff of the SMIB. This stream, a major tributary of the middle fork of the Boise River, is in T. 6 N., R. 10 E. of the Boise Meridian and is approximately 79 miles northeast of Boise, Idaho, and 11 miles west of Atlanta, Idaho. The deposit was visited by R. F. Griffith on July 2 and 3, 1951, for the purpose of estimating the yardage and mineral content of the gravels and reporting on the physical conditions as related to a possible dredging operation.

PHYSICAL CONDITIONS

Many adverse factors were noted which would handicap a dredging operation; however, with the proper type of equipment, the ground could be dredged provided the contained values were sufficient to warrant the extra cost.

Black Warrior Creek flows through a steep, narrow, boulder-strewn canyon for the last 1.65 miles of its course before joining the middle fork of the Boise River. This portion of the deposit could not be dredged by any known method. Bedrock outcrops in the creek bottom throughout most of this stretch and boulders up to 6 feet in diameter are common. The extreme lower limit of dredging ground begins 1.65 miles above the mouth of the creek and is continuous up stream for a distance

of 3.25 miles. The valley varies in width from 50 to 125 yards. Boulders up to 2 feet in diameter are quite common throughout this length. An additional deposit extends up West Warrior Creek for a distance of 1.7 miles. This deposit does not exceed an average width of 40 yards and could be worked by only a small dredge.

The estimated flow of water on July 2, 1951, was 30,000 gpm. below the confluence of West Warrior Creek. The latter stream was flowing an estimated 10,000 gpm.

The elevation of the mouth of Black Warrior Creek is 4300 feet as checked with an aneroid barometer; the lower end of dredging ground, 4630 feet; and the elevation at the present camp site, 4850 feet above sea level. The average grade of the stream from the camp site to the lower end of dredging ground is 2.7 per cent.

The entire deposit is covered, for the most part, by a good stand of spruce, fir, pine, cottonwood, and willow brush. Clearing presents an important problem.

A large percentage of the placer material is boulders up to 2 feet in diameter. Special means would have to be devised to handle this coarse material if the ground is to be successfully dredged. The material appeared to be derived entirely from the surrounding country rock which, for the most part, are the granitic rocks of the Idaho batholith, which are, in this particular area, cut by many basic (diabase) dikes.

The road from the Boise River to the junction of West Warrior Creek is in good condition. Above this point, to the camp site, the road is impassable, and long stretches are entirely washed away at many points.

Portions of this length will have to be relocated. All of the camp buildings are in need of extensive repair.

Dredging operations could probably be carried on for 8 months of each year.

ESTIMATE OF YARDAGE

The depth of this deposit is unknown, but judging from the slope of the valley walls and the gradient of the stream, it will not exceed the following estimates:

Area	Length yds.	Width yds.	Depth yds.	Yardage cu. yds.	Remarks
Lower end of ground to forks	1230	70	6	520,000	Coarse boulders.
From forks upstream to camp site	1500	100	6	900,000	Heavy timber.
West Warrior Creek	3000	40	5	600,000	Could be worked with difficulty by only a small dredge.
From camp site upstream	1500	125	8	1,500,000	Heavy timber.
Upstream to upper limit of ground	1500	50	6	450,000	Heavy timber.
				3,970,000 cu.yds.	

An extensive deposit of bench gravels occurs on the right limit of Black Warrior Creek extending from the camp site for about one mile upstream. There is a possible 1,500,000 yards of gravel in this deposit, which contains a good percentage of large boulders. (See snapshot of old hydraulic working on bench.)

SAMPLING

Several pans of gravel were taken from both streams and the bench deposit. Although these pans were taken from selected spots where a

concentration was to be expected, only a small amount of monazite was noted in the concentrates. No gold was noted in any of the pans. It has been the experience of the SMIB that if monazite in commercial quantities is not found on top of selected stream bars, it will not be found at depth in small stream deposits. This is also true of gold to a lesser extent.

In addition, four large grab samples were taken from selected areas for concentration and analyses in the SMIB laboratory in Boise. The results are tabulated below:

Sample No.	Wt. of Sample #	Wt. of Concs. #	Mineral Content Percent by Field Estimation						Lbs.B.S. per cu. yd.	Lbs.Mon. per cu. yd.
			Mag.	Ilm.	Gar.	Zir.	Mon.	Gold		
Bl. War. 1-G; DMA	118	0.094	31	27	10	1	5	none	2.39	0.15
Bl. War. 2-G; DMA	104	0.093	28	10	12	1	5	none	2.68	0.13
* Bl. War. 3-G; DMA	103	0.138	62	15	6	Tr.	4	(85¢ per cu.yd.)	4.02	0.16
Bl. War. 4-G; DMA	73	0.099	45	9	10	1	4	none	4.07	0.16

* Bench sample above stream basin.

Note: A small amount of radioactivity is noted to be from a black and unidentified mineral, but the visible monazite accounts for 60 to 80 per cent of the radioactivity. This radioactive black mineral would have no strategic importance in such minor amounts as indicated.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

This investigation indicated that there may be 4,000,000 yards of stream gravels and 1,500,000 yards of bench gravels on the Black Warrior claims. The indicated average monazite content is 0.15 pounds. No gold was noted by panning nor was a single color found in 3 of the 4

samples taken. Sample 3 showed 85¢ in gold over the 3 foot above bedrock in a hydraulic pit of the bench; but if these values were distributed over the 18 feet of depth, they probably would be reduced to about 14 to 16¢ per yard.

At present economic conditions, at least 2.0 pounds of monazite per cubic yard would be necessary to work a deposit containing such heavy boulders as is indicated at Black Warrior. With such a small yardage, heavy timber growths to clear, repair of roads and buildings, etc., it is not believed that the very small indicated amount of monazite would be worth the cost of saving, concentration and marketing. The erratic gold values may warrant exploration with commercial funds, though this is not recommended by the author.

It is recommended that the monazite content of the Black Warrior claims does not warrant further investigation.

Edwin J. Carlson

Edwin J. Carlson

GRAB SAMPLE RECORD

U. S. BUREAU OF MINES

Special Minerals Investigation Branch

Sample No. Bl. War.-2-G; D.M.A. Date 7/3/51

Stream Black Warrior Creek Engineer Griffith

County & State Elmore — Idaho Sampler Sugden

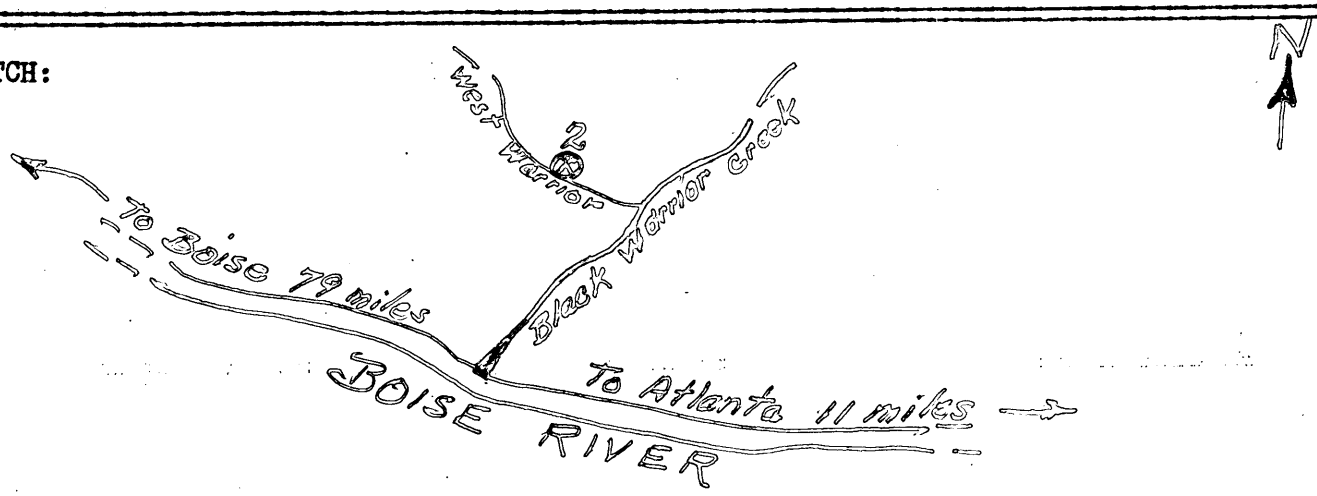
Location Remarks West Warrior Branch - 100 yds. above Mouth

Type of Sample Cut from Stream Bank

Yardage represented, of sample 100, in stream 4,000,000

Pounds Black Sand per cubic yard 2.68 Pounds Monazite per cubic yard 0.13#

SKETCH:



Sample depth from 0' to 3'. Sample length from _____ to _____

Weight, plus 1/4" _____, minus 1/4" plus 16 mesh 69#, minus 16 mesh 35#

Total sample weight 104# Total concentrate weight 0.093#

Minerals:	Magnetite	Ilmenite	Garnet	Zircon	Monazite			
Percent	28	10	12	1	5			

Gold values None Geiger (% ThO_2 equiv.) in conc. _____

Remarks:

GRAB SAMPLE RECORD

U. S. BUREAU OF MINES

Special Minerals Investigation Branch

Sample No. Bl. War.-1-G; D.M.A. Date 7/3/51

Stream Black Warrior Creek Engineer Griffith

County & State Elmore - Idaho Sampler Sugden

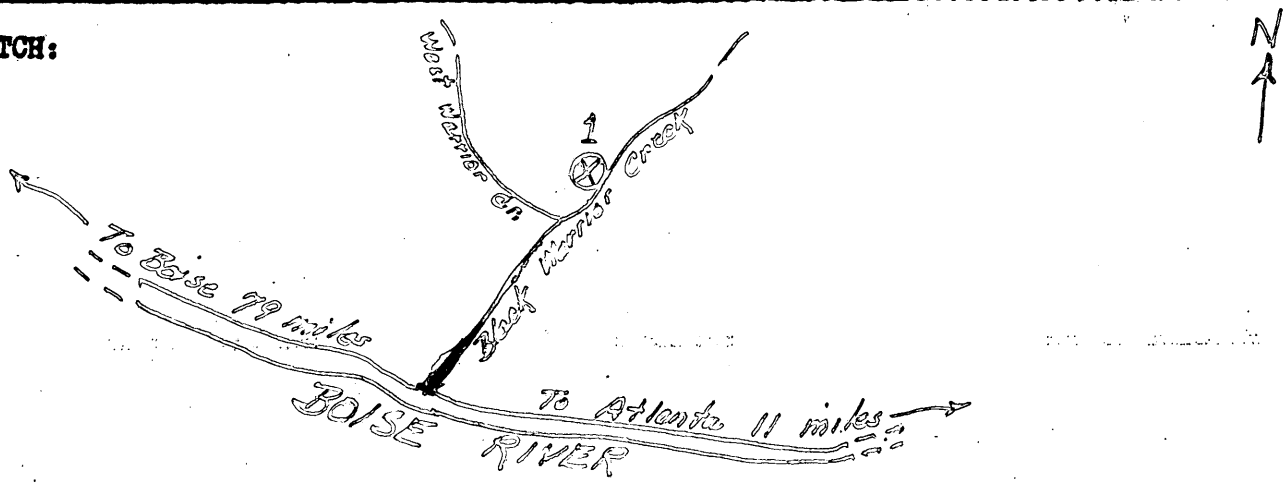
Location Remarks Black Warrior Creek - 100 yds. above Junction with West Warrior

Type of Sample Surface of Creek Bar

Yardage represented, of sample 50, in stream 4,000,000

Pounds Black Sand per cubic yard 2.39 Pounds Monazite per cubic yard 0.15

SKETCH:



Sample depth from surface ~~in~~ of bar. Sample length from _____ to _____

Weight, plus 1/4" _____, minus 1/4" plus 16 mesh 95#, minus 16 mesh 23#

Total sample weight 118# Total concentrate weight 0.094#

Minerals:	Magnetite	Ilmenite	Garnet	Zircon	Monazite			
Percent	31	27	10	1	5			

Gold values None Geiger (% ThO_2 equiv.) in conc. _____

Remarks: Conditions favorable for concentration.

GRAB SAMPLE RECORD

U. S. BUREAU OF MINES

Special Minerals Investigation Branch

Sample No. Bl. War.-3-G; D.M.A. Date 7/3/51

Stream Black Warrior Creek Engineer Griffith

County & State Elmore — Idaho Sampler Sugden

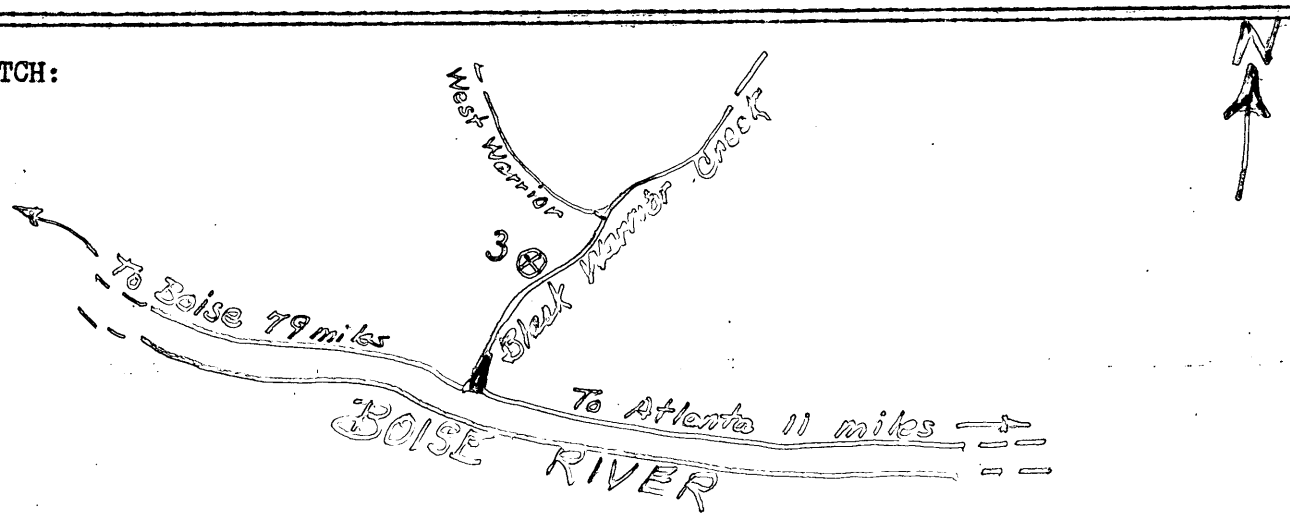
Location Remarks High Channel on Right Limit, 200 yds. below Forks

Type of Sample Bank Cut from High Channel

Yardage represented, of sample 500, in stream 1,500,000

Pounds Black Sand per cubic yard 4.02 Pounds Monazite per cubic yard 0.16

SKETCH:



Sample depth from 15' to 18'. Sample length from _____ to _____

Weight, plus 1/4" _____, minus 1/4" plus 16 mesh 79#, minus 16 mesh 24#

Total sample weight 103# Total concentrate weight 0.138#

Minerals:	Magnetite	Ilmenite	Garnet	Zircon	Monazite			
Percent	62	15	6	Tr.	4			

Gold values 37 Mg., or 85¢ per cu. yd. Geiger (% ThO_2 equiv.) in conc. _____

Remarks:

Sample taken from just above bedrock in old hydraulic pit, where the highest gold values should be found.

GRAB SAMPLE RECORD

U. S. BUREAU OF MINES

Special Minerals Investigation Branch

Sample No. Bl. War.-4-G; D.M.A. Date 7/3/51

Stream Black Warrior Creek Engineer Griffith

County & State Elmore — Idaho Sampler Sugden

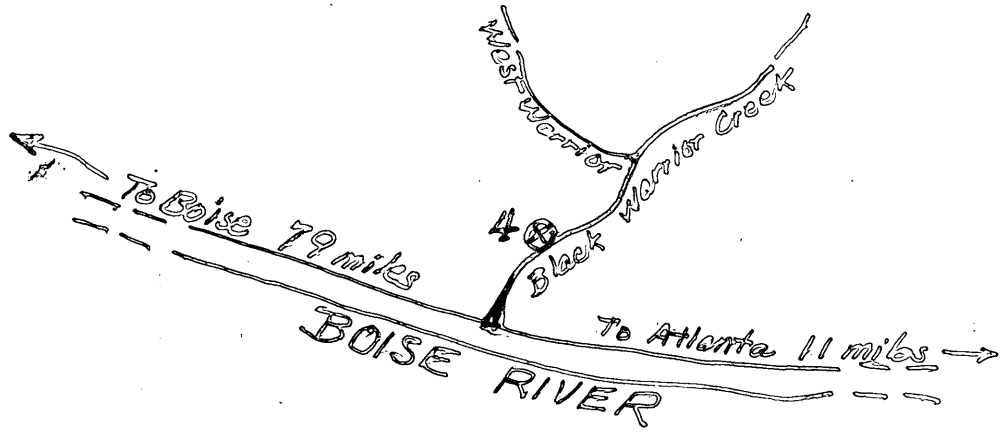
Location Remarks 0.3 Mile below Forks

Type of Sample Surface of Creek Bar

Yardage represented, of sample 25, in stream 4,000,000

Pounds Black Sand per cubic yard 4.07# Pounds Monazite per cubic yard 0.16#

SKETCH:



Sample depth from surface ~~to~~ of bar. Sample length from _____ to _____

Weight, plus 1/4" _____, minus 1/4" plus 16 mesh 49#, minus 16 mesh 24#

Total sample weight 73# Total concentrate weight 0.099#

Minerals:	Magnetite	Ilmenite	Garnet	Zircon	Monazite			
Percent	45	9	10	1	4			

Gold values None Geiger (% ThO_2 equiv.) in conc. _____

Remarks:

2 copies

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

June 28, 1951

Mr. Edwin J. Carlson
Bureau of Mines
Box 2272
Boise, Idaho

Re: Docket DMA 1356 X
Commodity-Monazite

Dear Mr. Carlson:

At the suggestion of Lowell B. Moon, who writes that the special Minerals Investigation Branch would be willing to make the field examination, we are referring this application and accompanying papers on to you. We would appreciate it very much if you would make the needed examination pointed out in the referral sheet.

see p 4 of referral sheet.

If you need any assistance, please call us on the telephone.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

COPY COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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Spokane 4, Washington

June 28, 1951

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Boise, Idaho

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/s/ A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosures

FILE COPY
SURNAME:

Bourret.

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

AIR MAIL

June 21, 1951

Mr. W. F. Dallam
Stephenson-Leydecker & Co.
1404 Franklin Street
Oakland, California

Re: Stephenson-Leydecker Monazite
DMA docket - 1356x

Dear Mr. Dallam:

Your letter of June 12, addressed to Mr. J. C. Arundale of the Bureau of Mines has been referred to this office for appropriate reply.

As you will already know from our telegram of June 20, this proposition is having our attention and we hope to advise you during the next few days concerning the status of your request for government assistance.

Yours very truly,

Weston Bourret
M-H.

Weston Bourret, Chief
Minor and Rare Metals

WBourret/mh
cc: Adm. Read. File
Lyon
Strobel
McKnight
Renick
Filed Team II
Bourret
Files

FILE COPY
SURNAME:

Bourret
Moon
McKnight
Lyer
Rose

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

Docket mailed 6/26/51

June 21, 1951

Mr. W. S. Rutledge, President
Stephenson-Leydecker & Co.
1404 Franklin Street
Oakland, California

Dear Mr. Rutledge:

Your application, Docket DMA-1356x for exploration project in the amount of $15,261.50 has been received by the Minor and Rare Metals Branch of the Supply Division.

Before a decision can be reached on your request we find it is necessary to obtain additional information on your property. Your application therefore is being referred to the office of the Executive Officer of DMA field team II, Mr. A. E. Meissenborn, South 157 Howard Street, Spokane, Washington, with the request that the needed information be supplied to us.

Yours very truly,

Tom Lyon, Director
Supply Division

WBourret/mh
cc: Adm. Read. File
Strobel
Lyon
Field Team II
Bourret
Files

FILE COPY
SURNAME:

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

DEFENSE MINERALS ADMIN.
3318

W. Bourret

June 20, 1951
11:30 AM

Mr. W. F. Dallum

DMA-1356X

MR. W. F. DALLUM
STEPHENSON, LEYDECKER & CO.
1404 FRANKLIN STREET
OAKLAND, CALIFORNIA

BLACK WARRIOR APPLICATION DMA 1356X IS BEING REVIEWED IN THIS OFFICE.

ADVISING YOU EARLY NEXT WEEK PRELIMINARY DISPOSITION.

Tom Lyon

TOM LYON, DIRECTOR
SUPPLY DIVISION

WBourret/GMcC

cc: Files
Adm. Reading File
Mr. Lyon
Mr. Strobel
Messrs. Kaiser-Hosted
Field Team, Region III (2)
Mr. Kline, Bluemont, Virginia
MM. Bourret (2)

DMA 1356

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

JUN 2 1951

~~Mr. H. C. Miller~~
1115 Appraisers Building
~~San Francisco, California~~

Mr. A. E. Weissenborn
South 157 Howard Street
Spokane, Washington.

Dear Sir:

We attach "Review of Application for Exploration Assistance" on:

Docket No. DMA-1356x

Commodity Monazite

Applicant Stephenson-Leydecker & Co.

Please expedite the consideration of this application with particular reference to the points raised in the attached "Review."

Very truly yours,

Tom Lyon

Tom Lyon, Chairman
Coordinating Committee

Lowell B. Moon
For Bureau of Mines

Edwin T. McKnight
For Geological Survey

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

field referral

Docket No. DMA1356X

Commodity Monazite

Total Amount $15,261.50

Govt. Participation 90%

1. Name and Address of Applicant Stephenson - Leyhebar & Co
1404 Franklin St. Oakland 12, Cal.

2. Location of Property Elmore County Idaho
Black Warrior Mining District

3. Mineral or metal _____ Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good _____

b) Poor No data. (Judgement matic)

c) None _____

d) Don't know—needs field examination _____

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Apparently
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? ?

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

a) MF-201?_____

b) MF-202_____

8. From the data presented, does the proposed project appear feasible from the point of view of:

a) Available manpower_____

b) Equipment and supplies_____
(Question 14 plus general knowledge of availability)*

c) Accessibility (question 12)*_____

d) Water (question 13)*_____

e) Power (question 13)*_____

Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

_____

Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

a) Is the project adequately described?_____

If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

b) Is there an adequate map or sketch of the proposed work?_____

_____

c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

If not, what part of it is?_____

_____

_____

_____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A?_____

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

Other pages also not applicable

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? - Field team should examine presumably SMIB.* - Approximate yardage and mongolite content per cu. yd. Prel. exam. should and could be made for much less than $5,000! Location of area not too favorable.

Reviewed by: M.H. Kline
Chief SMIB
Geol. Div.

Date 6/19/57

* Special Minerals Investigation Branch (M.H. Kline) will be willing to help on this (or do it) if field team wishes.
F.B.M.

97692

FILE COPY
SURNAME:

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

June 15, 1951

Mr. W. S. Rutledge
Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Subject: DMA-1356X
Re: Exploration Loan
Black Warrior

My dear Mr. Rutledge:

Receipt is acknowledged of your application and attachments of May 28, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1356X and was referred to Mr. Weston G. Bourret, Acting Chief, Minor and Rare Metals Branch on May 31, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1356X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:js
cc: Strobel-2
Files
Bourret
Lyon

DMA - 1356X

STEPHENSON, LEYDECKER & CO.
INVESTMENT SECURITIES
1404 FRANKLIN STREET
OAKLAND, CALIFORNIA

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 18 1951
LANDON F. STROBEL
Executive Secretary

June 14, 1951.

United States Department of the Interior
Defense Minerals Administration
Washington 25, D.C.

Attention: Mr. Tom Lyon, Director
Supply Division

Re: Stephenson-Leydecker Monazite
DMA Docket No. 1356X

Dear Mr. Lyon:

Referring to my telephone conversation with you this morning, Mr. W. E. Sullivan of the law firm of Langroise, Clark & Sullivan, McCarty Building, Boise, Idaho, our attorney, has forwarded to me your letter of June 7th, 1951, addressed to him regarding Contract Form MF-200.

Again referring to our telephone conversation this morning, we enclose six complete copies of Form MF-200 duly signed as per your suggestion.

As I mentioned this morning, I was in Boise, Idaho within the past two weeks and also went to Spokane and met Mr. A. E. Weissenborn to whom I showed a copy of our Exploration Application to see whether or not he could suggest anything further. I was very glad to have him tell me that he thought the application was complete in all details.

Anything that you can do to hurry the final signature of our application will be greatly appreciated, as we would like to start work this coming week, if possible.

Thanking you in advance for your help, I am

Yours very sincerely,

STEPHENSON, LEYDECKER & CO.

W F Dallam

W. F. Dallam

WFD:cb
Encls.

P.S.: If and when our contract is signed will appreciate your sending me a telegram collect.

STEPHENSON, LEYDECKER & CO.
INVESTMENT SECURITIES
1404 FRANKLIN STREET
OAKLAND, CALIFORNIA

June 12, 1951.

See Kline

ans. 6-21-51
W. Bennett

Mr. Joseph C. Arundale,
Commodity Specialist
Construction & Chemical Materials Branch
United States Department of the Interior
Bureau of Mines
Washington 25, D. C.

Dear Mr. Arundale:

Just a few lines to thank you so much for checking up on our application for our monazite project. If there is any chance of your hurrying up the final signature in Dr. Boyd's office, I will certainly appreciate it, as we are very anxious to get started just as soon as possible.

I will also appreciate your sending me a wire collect just as soon as it is O.K.'d.

With kindest regards and again thanking you, I am

Sincerely yours,

STEPHENSON, LEYDECKER & CO.

W F Dallam

W. F. Dallam

WFD:cb

FILE COPY
SURNAME:

Bourret.

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

June 7, 1951

AIR MAIL

Mr. W. E. Sullivan
Langroise, Clark & Sullivan
McCarty Building
Boise, Idaho

Re: Stephenson-Leydecker Monazite
DMA Docket No. 1356X

Dear Mr. Sullivan:

Thank you for your letter of May 28, 1951 enclosing three copies of "Landlord's Subordination Agreement" dated May 26, 1951 concerning the subject application. We are today placing this material in your docket.

I am enclosing herewith contract form (MF-200) which I think would be well for you to review at this time. In the event your project is given field clearance the next step is negotiation of a contract; unless the exhibits referred to (Exhibits A to E inclusive) are complete in all details considerable delay will probably result. I would suggest therefore that you prepare six copies of these exhibits and forward to this office.

Please contact Mr. A. E. Weissenborn, Executive Officer, DMA Field Team, South 157 Howard Street, Spokane, Washington, if you are in doubt on any points covered in the contract.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosure
WBourret/GMcC
cc: Files
Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. Bourret (2)
Field Team, Region II (2)

FILE COPY
SURNAME:

Bourret.

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

June 7, 1951

AIR MAIL

Mr. A. E. Weissenborn
Executive Officer
DMA Field Team, Region II
South 157 Howard Street
Spokane, Washington

Re: Stephenson-Leydecker Monazite
DMA Docket No. 1356X

Dear Mr. Weissenborn:

Your letter of May 26, 1951, addressed to Mr. L. F. Strobel, has been received by the Minor and Rare Metals Branch.

I am enclosing herewith copy of letter of even date to Mr. W. E. Sullivan of Langreise, Clark & Sullivan, Attorneys representing Stephenson Leydecker and Company, in regard to their monazite proposal. At the present time this proposition is being reviewed by the Atomic Energy Commission; if that organization believes a field examination is justified the file will be forwarded to your office in line with our usual procedure.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

Enclosure

WBourret/GMcC
cc: Files
Adm. Reading File
Mr. Strobel
Mr. Lyon
Messrs Hosted & Kaiser - Room 3204
Mr. Bourret (2)

File 1356

C

LAW OFFICES
LANGROISE, CLARK & SULLIVAN
McCARTY BUILDING
BOISE, IDAHO

W. H. LANGROISE
D. WORTH CLARK
W. E. SULLIVAN
W. B. BOWLER

Air Mail
Special Delivery

DMA 1856

May 28, 1951

ans. by H. Barrett
6/7/51
J McC.

The Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Gentlemen:

I am enclosing, in triplicate, Landlord's Subordination Agreement, Form MF-202, in connection with the application of Stephenson-Leydecker and Co., a corporation, for Exploration Project Contract, dated May 26, 1951. This subordination agreement has been signed by all the owners of the property.

The application of Stephenson-Leydecker and Co. is being sent to you from San Francisco, and should arrive at approximately the same time as this subordination agreement.

Will you please consider this subordination agreement as filed in conjunction with the application.

We are adding this material to Docket
Send us F-202

Yours very truly,

W E Sullivan

W. E. Sullivan

WES:AD
Encls.

CC: Stephenson-Leydecker and Co.
1404 Franklin Street
Oakland 12, California

Air Mail
Special Delivery

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 28th day of May, 1951

Harold E. Cullen

U. S. GOVERNMENT PRINTING OFFICE 940768

Chas. E. Lunstead

Walter McClure

By Chas. E. Lunstead
Attorney-in-Fact

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 28th day of May, 1951

Harold E. Cullen

U. S. GOVERNMENT PRINTING OFFICE 940768

Clark E. Westland

Walter McClure

By Clark E. Westland
Attorney-in-Fact

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 28th day of May, 1951

Harold E. Cullen

U. S. GOVERNMENT PRINTING OFFICE 940768

Carlo E. Lundeen

Walter McClure

By Carl E. Lundeen
Attorney-in-Fact

STEPHENSON, LEYDECKER & CO.
INVESTMENT SECURITIES
1404 FRANKLIN STREET
OAKLAND, CALIFORNIA

May 28, 1951.

Defense Minerals Administration
Department of the Interior
Washington 25, D.C.

Gentlemen:

Enclosed herewith is original and three Forms MF-103, Application For Aid For An Exploration Project Pursuant To Mineral Order 5, Under Defense Production Act Of 1950.

We are sending these air mail, special delivery directly to your office pursuant to the advice of the local executive officer. The application is supported by detailed substantiating data. However, the Subordination Agreements required in Question 7 will be mailed directly to you by the law firm of Langroise, Clark and Sullivan, Boise, Idaho, this date, and we assume that these agreements will reach you tomorrow and complete the necessary information requested on Form MF-103.

Very truly yours,

STEPHENSON, LEYDECKER & CO.

By: W. S. Rutledge
W. S. Rutledge

WSR:cb

Encl.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 29 1951
LANDON F. STEGEL
Executive Secretary

~~Mr. Bennett~~

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 8, Washington

Ans by H. Bennett on 6/7/51 – G McC

May 26, 1951

Air Mail

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1951
LANDON F. STROBEL
Executive Secretary

Mr. L. F. Strobel
Executive Secretary
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Strobel:

Mr. W. F. Dallam, representing the Stephenson-Leydecker & Co., 1404 Franklin Street, Oakland 12, California, was in to see me concerning an exploration application for a monazite project on Black Warrior Creek, Black Warrior Mining district, Elmore County, Idaho. The application is for testing of monazite placers and involves a total expenditure of $15,261.50. Mr. Dallam had a copy of the application which his company is submitting. The application itself is being submitted directly to you from the company's Oakland, California office.

Jan Letter of May 26 addressed to DMA

According to the application, monazite is known to be present in the Black Warrior district, but the amount of monazite and the placers and the distribution of the monazite-bearing ground is not sufficiently established to permit dredging to begin. We have no personal knowledge of the property, but Mr. Crawford (?) of the Bureau of Mines Thorium group is reported to know something of the property. The application has obviously been carefully and completely prepared, the applicant's proposal to test the ground before going ahead with mining is certainly on the right track, and the exploration program proposed appears to be a reasonable one and worthy of serious attention.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

cc: Volin, U.S.B.M.
Shelton, U.S.B.M.
Kline, U.S.B.M.

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 1356X

Date received 5-29-51

Participation

Stephenson-Leydecker & Co.,
a corporation
1404 Franklin Street
Oakland 12, California

Name and address of applicant

Date May 26, 1951

FILL IN THIS BLOCK

Date of application May 26, 1951

Estimated cost $15,261.50

Mineral or metal Monazite

Percentage of Government participation 90%

Location of mine T. 6 N., R. 10 E., B. M.,
Black Warrior Mining District,
Elmore County, Idaho

Date of filing MF-100 none

DMA Docket Number, if available 1356X ~~none~~

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? Corporation

*2. If a partnership, state names and addresses of partners. Not applicable

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See Sheet No. 3

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See Sheet No. 4

*5. Are you the owner or the lessee of the property? Lessee - Optionee

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. See Sheet No. 7; 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.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See Sheet No. 8

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)? $1600.00, plus necessary working capital. Amount is sufficient to pay applicant's part of cost.

*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 Sheet No. 10 (See
(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Sheet No. 10

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. See Sheet No. 11

*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 Sheet No. 12

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. See Sheet No. 13

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Sheet No. 14

15. State in detail how the ore could be shipped and how and where milled. See Sheet No. 15

*16. History: See Sheet No. 16
(*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: Not in 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 Sheet No. 18
(*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. None

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Monazite and other rare earths

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Sheet No. 21

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. See Sheet No. 22

THE REQUIREMENTS AND COSTS

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. See Sheet No. 23
(*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. See Sheet No. 24

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.

Stephenson-Leydecker & Co.
(Name of company)

By W S Leydecker
(Signature of authorized official)

Pres.
(Title)

(Date)

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

OFFICERS

W. S. Rutledge, President	909 Paramount Road Oakland, Calif.
D. C. Rathbun, Vice-President	687 Haddon Road Oakland, Calif.
Bernard S. Fontaine, Vice-President	3932 N. Peardale Road Lafayette, Calif.
B. C. Steet, Secretary-Treasurer	Dolores Drive Lafayette, Calif.
Jay C. Rutledge, Assistant-Secretary	909 Paramount Road Oakland, Calif.

DIRECTORS

W. S. Rutledge

D. C. Rathbun

B. C. Steet

STOCKHOLDERS

W. S. Rutledge

B. C. Steet

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 3

Attest _____
Secretary

(a) The applicant has not as a corporate entity previously engaged in the mining business. It has been successfully engaging in the investment banking and securities business in Oakland, California, for a period of twenty-five years.

(b) The supervisor and manager of the exploration project will be Harold E. Cullen, P.O. Box 1073, Boise, Idaho. Mr. Cullen is a graduate mechanical engineer, and has had nine years' experience in the hydraulic operation of the Black Warrior Mine in Elmore County, Idaho. He was also supervisor of a placer dredge operation for approximately four years in the Boise Basin country in Boise County, Idaho. Walter Johnson of Walter Johnson & Company, 351 California Street, San Francisco, California, a nationally known engineer of mines, will act in an advisory capacity on this exploration project.

OPTION

THIS AGREEMENT, Made and entered into this 16th day of May, 1951, between HAROLD E. CULLEN (herein called the "Optionor"), and STEPHENSON LEYDECKER & CO., a corporation duly created, organized and existing under and by virtue of the laws of the State of Nevada, and having an o ffice at 1404 Franklin Street, Oakland, California (herein called "Optionee"),

For and in consideration of the payment of $100.00 by the Optionee to the Optionor, the receipt whereof is hereby acknowledged, and the covenants, stipulations and agreements hereinafter set forth,

IT IS AGREED by and between the parties hereto as follows:

OPTIONOR AGREES:

1. That the Optionee shall have the right to enter upon and test the grounds of the Black Warrior Mine, located in the Black Warrior Mining District, in Elmore County, Idaho, in any way they see fit, either by drilling or test-pitting or both, up to August 1, 1951.

2. In the event the said testing proves satisfactory to Optionee in gold or m onazite, or either or otherwise, and Optionee desires to acquire a one-half (1/2) undivided interest in and to the said property upon receipt in writing from the Optionee to that effect, Optionor agrees to convey one-half (1/2) of all his right, title and inter-

est in and to the said Black Warrior Mine, consisting of ten association group claims comprising 600 acres more or less of placer mining ground, located along Black Warrior Creek and West Warrior Creek in Black Warrior Mining District, Elmore County, Idaho, for the price of Three Thousand Dollars ($3,000.00, which shall be paid to the Optionor in cash, upon the delivery of the deed of one-half (1/2) of the above real property.

OPTIONEE AGREES:

1. To furnish all necessary tools, equipment, machinery and other materials and provisions required to make any tests, at his sole cost and expense.

2. To use its best efforts to complete the said testing on or before August 1, 1951.

IT IS MUTUALLY AGREED:

1. That all the said testing, road and building repair work and other work performed during the said testing period between June 1st and August 1, 1951 shall be done for and on behalf of the said Optionor and be regarded as assessment work upon the said Mining claims and that the proof of the same shall be filed of record, as required by law, in the Recorder's Office of Elmore County, Idahc.

2. Optionor shall have access at all times to and shall be furnished with full and complete log of all tests and drilling operations for both gold and monazite and other minerals, as the said testing pro-

ceeds.

3. That on August 1, 1951, if the said Optionee has not notified the said Optionor of his intention to exercise this option, then and in that event, this agreement shall become null and void and said Optionee shall have no further right, title or interest in or to the said mining property or any part or parcel thereof, save and except that it shall have the right to remove the machinery and equipment which it has brought upon said mining property to make the said tests.

IN WITNESS WHEREOF, the Optionee has signed this Option, by its Vice President thereunto duly authorized, and has caused its corporate seal to be hereunto annexed, attested by its Secretary, and the Optionor has hereunto set his hand and seal the day and year first above written.

STEPHENSON LEYDECKER & CO.

By D. C. Rathbun
Vice President

Attest:

B. C. Steet
Secretary

Harold E. Cullen
Harold E. Cullen

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

BALANCE SHEET - NOVEMBER 30, 1950.

ASSETS

CURRENT ASSETS:			
Cash in banks		$ 54,760.66	
Securities owned - priced at market value (~~EXHIBIT XX~~) -			
Stocks	$ 55,501.00		
Bonds	-	55,501.00	
Accounts receivable -			
Customers	$ 9,388.45		
Dealers	28,762.87		
Officers, employees and affiliated companies	1,397.38	39,548.70	$149,810.36
Cash surrender value of life insurance policy			5,225.54
FIXED ASSETS:			
Furniture and fixtures		$ 7,800.50	
Automobile		2,222.59	
		$ 10,023.09	
Less - Reserve for depreciation		5,749.21	4,273.88
DEFERRED CHARGES:			
Unexpired insurance premiums		$ 262.79	
Prepaid licenses		310.00	572.79
Total assets			$159,882.57

LIABILITIES

CURRENT LIABILITIES:			
Accounts payable -			
Customers	$ 33,528.25		
Dealers	14,685.45		
Officers, employees and affiliated companies	1,279.89		
Others	6,543.90	$ 56,037.49	
Notes payable - secured		36,370.00	
Accrued interest payable		166.14	
Payroll taxes payable		357.46	
Withholding tax payable		1,358.72	
Commissions payable		10,772.41	
Federal income tax payable		1,960.07	
Total liabilities			$ 107,022.29
CAPITAL STOCK:			
Class A - no par value - 60 shares	$ 3,300.00		
Class B - no par value - 6845 shares	21,450.00	$ 24,750.00	
CAPITAL SURPLUS - donated		5,946.00	
EARNED SURPLUS:			
Balance - November 30, 1949 (per previous audit report)	$ 13,240.74		
Net profit for year (~~EXHIBIT XX~~)	8,923.54		
Balance - November 30, 1950		$ 22,164.28	$ 52,860.28
Total liabilities and net worth			$ 159,882.57

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8

Attest _____
Secretary

INCOME ACCOUNT FOR YEAR ENDED NOVEMBER 30, 1950

Income	$213,451.10
Expense	201,762.49
	11,688.61
Other Duductions	805.00
	10,883.61
Provision for Federal Income Taxes	1,960.07
	8,923.54

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8A

Attest [illegible]
Secretary

(a) The following unpatented placer mining claims, to-wit:

Black Warrior Placer Mining Claims,
Nos. 1 to 6 inclusive;
West Warrior Placer Mining Claims,
Nos. 1 and 2;
Black Warrior Extension Placer Mining
Claims, Nos. 1 and 2;

all situate in Township 6, North of Range 10 East, Boise Meridian, in the Black Warrior Mining District, Elmore County, State of Idaho.

(b) Same as (a) supra.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This property is now known, and has been known ever since its location in approximately 1903, as the Black Warrior Mine.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This mining property is located in Elmore County, State of Idaho, approximately 11 miles west from Atlanta, Idaho, a small mining town. The nearest railroad and shipping point is Boise, Idaho, approximately 78 miles southwest from the property. One end of the property adjoins the Boise-Atlanta highway, which is an improved mountain road ordinarily in good passable condition, excepting that it is occasionally blocked by snow during the winter months for short periods of time.

The distance from the main road up to the mining camp is approximately 4 miles. This road is at the present time in poor condition, and will need some repair in order to get the main supplies and equipment into the mining camp.

The volume of water in Black Warrior Creek, which runs through this mining property, is equal to 24,000 gpm at the low water period in late July and August; at high water the flow is approximately 60,000 gpm. There is more than sufficient water the year round for continuous mining operations on this property.

There is no power utility service available. For electric power, a diesel unit would have to be used. The power for the exploratory project necessary to operate the drilling rig will be by gasoline engine.

There are five buildings located at the mining camp on this property, all of which need new roofing felt and other repairs.

It is contemplated for this exploratory project that two of these buildings will be repaired for housing accommodations and other purposes.

The monazite and other rare earths will be partially concentrated on the dredge by the use of jigs. These concentrates will be shipped by truck to a magnetic separator plant operating in Boise, Idaho for the balance of the concentration. After such concentration these mineral products will then be in condition for shipment.

(a) Prior to 1925 there were occasional small ground sluicing operations on this property.

From 1925 to 1930 the Trinidad Mining Corporation of Las Vages, Nevada, intermittently conducted a large hydraulic operation, during which approximately 40,000 cubic yards on a high bar were worked. The reason for the suspension of this operation was mismanagement and internal legal difficulties between the operators and stockholders.

From 1935 to 1941, inclusive, the present owners conducted intermittent hydraulic and ground sluicing operations on this property, and also did extensive exploration work and testing. This operation was suspended because of war conditions.

The records of ~~this op~~eration and of the exploring and testing of the property were stolen from the office in the headquarter's camp in the winter of 1948-1949.

The above information is according to our best knowledge and belief.

(b) The Overlook Mining and Milling property adjoins this property approximately 8 miles up stream from the mouth of Black Warrior Creek. This property was a successful producer up to 1925. The reasons for its suspension of operations are not known.

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1404 Franklin Street,
Oakland, California.

(c) A complete Engineer's Report on this property was made in 1934 by Francis R. Chapman, E.M. of Los Angeles, California, who recommended the installation of a drag line type dredge, and estimated 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel. In addition to a favorable report on gold content Mr. Chapman also reported the presence of monazite. We are advised that Mr. Chapman died in 1942, and the availability of his records is unknown.

In the summer of 1937 this property was surveyed by the United States Deputy Mineral Surveyors, and amended location notices were filed on this property. The Surveyors estimate of mineable yardage coincided with that of Mr. Chapman. All of these records and reports were among those stolen, as hereinabove mentioned.

This information is to the best of our knowledge and belief.

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1404 Franklin Street,
Oakland, California.

(a) Mr. Chapman's report referred to in the answer to question 16, supra, showed 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel, with a satisfactory gold content and the presence of monazite.

(b) See Map of property attached hereto.

The proposed work includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately one mile needs extensive renovation. Two of the buildings at the camp must be renovated and repaired to make available housing facilities for the workmen and other purposes.

It is planned to drill from thirty to forty-five test holes to bedrock, which is estimated will require an average depth of twenty-five feet. This drilling exploration is planned to cover all of the above mentioned mining claims, excepting Black Warrior Extension Nos. 1 and 2. It is estimated that the time required to complete this exploration project is from sixty to ninety days.

As mentioned in answer to question 16, supra, Mr. Francis R. Chapman, E.M., reported the presence of monazite in the minable gravels on this property. Also as mentioned above, this report was stolen, and copies thereof are not available to applicant.

In 1941, when the operation was under the supervision of Mr. Harold E. Cullen, material was removed from a large pit located on Black Warrior Claim No. 5, the gold removed, and the other material concentrated by sluice boxes. In 1949 this material was taken to the magnetic separator plant of Rare Earths, Incorporated, at McCall, Idaho, and further concentrated. It was found to contain substantial quantities of monazite and other rare earths. Because it was impossible to determine the amount of yardage of gravel mined to produce this concentrate the exact amount of monazite per yard could not be ascertained. However, it was estimated from this sampling that the quantity of monazite was approximately 4 1/4 pounds per cubic yard.

In September and October, 1950, Mr. Cullen dug approximately six shallow test holes along West Warrior Creek on West Warrior Claim No. 1. These holes were only of a depth of four to five feet because he could not go below the water level. The material taken from these holes was not magnetically concentrated, but Mr. Cullen determined from this testing the presence of monazite in substantial and commercial quantities.

(a)	1 Head driller @ $16.00 per day, 76 working days	$1,216.00
	3 Driller helpers @ $12.00 per day, 76 working days	2,736.00
	1 Panner @ $16.00 per day, 76 working days	1,216.00
	1 Cook @ $250.00 per month, 3 months	750.00
	Total	$5,518.00
(b)	1 Supervisor @ $500.00 per month, 3 months	1,500.00
(c)	Materials to repair two buildings	750.00
(d)	None	
(e)	Stove	100.00
(f)	1 Bulldozer @ $100.00 per day, 6 days	600.00
	1 Drill rig complete @ $750.00 per month, 3 months	2,250.00
	1 Pickup truck @ $150.00 per month, 3 months	450.00
		3,300.00
(g)	None	
(h)	Kitchenware	100.00
	7 Beds @ $20.00 each	140.00
	Bedding for 7 beds	70.00
	1 Table	15.00
	8 Chairs @ $5.00 each	40.00
	Tableware	25.00
	4 Picks @ $3.50 each	14.00
	4 Shovels @ $2.50 each	10.00
	2 Crowbars @ $4.00 each	8.00
	1 Crosscut saw	4.50
	1 Rip saw	4.50
	1 Buck saw	4.50
	1 Crosscut large saw	10.00
	2 36" Prybars @ $1.00 each	2.00
	2 Hammers @ $1.50 each	3.00
	1 Hatchet	2.00
	2 Woodsmen axes @ $3.50 each	7.00
	6 Assorted files @ $1.30 each	5.00
	Nails	10.00

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150' 3" galvanized pipe		135.00
1 Square		1.50
1 Jack plane		5.00
2 14" pipe wrenches @ $2.50 each		5.00
2 14" monkey wrenches @ $1.50 each		3.00
2 5-ton jacks @ $8.00 each		16.00
3 Chisels @ $1.00 each		3.00
1 8 lb. maul		2.00
1 Brace and bits		3.00
6 Assorted metal drills @ $.50 each		3.00
1 Level		2.50
200' 1" rope		25.00
2 Blocks @ $7.00 each		14.00
1500 gal. gasoline @ $.30		450.00
3 Gas lanterns @ $12.00 each		36.00
Oil and grease		50.00
Miscellaneous materials and supplies		500.00
	Total	1,728.50
(i) Board for 7 men for 90 days @ $2.50 per man per day		1,575.00
Workman's Compensation Insurance		280.00
Liability Insurance		110.00
	Total	1,965.00
	Grand Total	$15,261.50

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1404 Franklin Street,
Oakland, California

Repair and reconditioning of road, five days.

Renovation and repair of buildings and moving into camp, five days.

Drilling from thirty to forty-five test holes at the rate of one hole every two days or better, eighty days.

Total - Ninety days.

The first month after the project is approved will be spent in repairing the road and the structures, and drilling from six to eleven test holes.

All materials and supplies must be purchased during this month, and it is estimated that the expenditures during this time will be approximately $9,000.00.

The second month will be devoted to drilling from twelve to seventeen test holes, and the total estimated expenditures for this month is $3,000.00.

The third month will be devoted to drilling from twelve to seventeen test holes, and the total estimated expenditures for this month is $3,000.00.

If the drilling can be accomplished more rapidly than appears from the above estimates, this exploratory project can be completed earlier; however, in no event should the total project require in excess of ninety days from the approval thereof.

The estimated costs of this project, as contained in this application, were determined to assure that the labor, equipment, supplies and material could be obtained within the total estimated costs. However, it is hoped that many items can be acquired more economically and, if so, the total cost of the project will be reduced to that extent.

MF-200
(April 1951)

Docket No. DMA 1356X

Commodity

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] STEPHENSON LEYDECKER & CO.
1404 Franklin Street
Oakland, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of IDAHO, County of ELMORE described as follows: [3] Black Warrior Placer Mining Claims, Nos. 1 to 6 inclusive; West Warrior Placer Mining Claims, Nos. 1 and 2; Black Warrior Extension Placer Mining Claims, Nos. 1 and 2;
with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: Not Applicable

~~Copies attached-Original in your pos-~~ se-ssi-on

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] MONAZITE; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 60 - 90 days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 90 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $13,735.35, which is 90 percent of the agreed estimated total cost of this project, $15,261.50. WSR

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Gold Mines Ltd
(Operator)

By W S Pultbye (Pres)

THE UNITED STATES OF AMERICA

By

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 18, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

U. S. GOVERNMENT PRINTING OFFICE 940768

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead
Attorney-in-fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

The proposed work also includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately 1 mile needs extensive renovation. Two of the five buildings located at the mining camp on the above mentioned property must be renovated and repaired to make available housing facilities for the workmen and other purposes.

Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

EXHIBIT "B"

No additional facilities, such as buildings, are to be purchased, installed or erected. Two existing buildings are to be renovated and repaired.

EXHIBIT "C"

Operating Equipment to be Rented

1 Bulldozer @ $100 per day, 6 days	$ 600.00
1 Drill rig complete @ $750 per month, 3 months	2,250.00
1 Pickup truck @ $150 per month, 3 months	450.00

Materials and Supplies to be Purchased

Materials to repair 2 buildings	$ 750.00
Stove	100.00
Kitchenware	100.00
7 Beds @ $20 each	140.00
Bedding for 7 beds	70.00
1 Table	15.00
8 Chairs @ $5 each	40.00
Tableware	25.00
4 Picks @ $3.50 each	14.00
4 Shovels @ $2.50 each	10.00
2 Crowbars @ $4.00 each	8.00
1 Crosscut saw	4.50
1 Rip saw	4.50
1 Buck saw	4.50
1 Crosscut large saw	10.00
2 36" prybars @ $1 each	2.00
2 Hammers @ $1.50 each	3.00
1 Hatchet	2.00

2 Woodsmen axes @ $3.50 each	$ 7.00
6 Assorted files @ $1.30 each	5.00
Nails	10.00
150' 3" Galvanized pipe	135.00
1 Square	1.50
1 Jack plane	5.00
2 14" pipe wrenches @ $2.50 each	5.00
2 14" Monkey wrenches @ $150 each	3.00
2 5-ton Jacks @ $8 each	16.00
3 Chisels @ $1.00 each	3.00
1 8 lb. Maul	2.00
1 Brace and bits	3.00
6 Assorted metal drills @ 50¢ each	3.00
1 Level	2.50
200' 1" rope	25.00
2 Blocks @ $7 each	14.00
1500 gal. Gasoline @ 30¢ per gal.	450.00
3 Gas lanterns @ $12 each	36.00
Oil and grease	50.00
Miscellaneous materials and supplies	500.00
TOTAL	$5,878.50

EXHIBIT "D"

Itemized Schedule of Labor, by Number and Classes, and of Supervisors

1 Head driller @ $16 per day, 76 working days	$1216.00
3 Driller helpers at $12 per day, 76 working days	2736.00
1 Panner @ $16 per day, 76 working days	1216.00
1 Cook @ $250 per month, 3 months	750.00
1 Supervisor @ $500 per month, 3 months	1500.00
TOTAL	$7,418.00

EXHIBIT "E"

Existing Facilities and Buildings

There are five (5) buildings located at the mining camp on this property, all of which need new roofing felt and other repairs. It is contemplated that two (2) of these buildings will be repaired for housing accommodations and other purposes. The estimated cost of such repair is $750.00. A stove will be acquired at an estimated cost of $100.00.

MF-200
(April 1951)

Docket No. DMA 1356X
Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] STRATTSON MINING CO.
1404 Franklin Street
Oakland, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of IDAHO, County of BOUNDARY described as follows: [3] Black Warrior Placer Mining Claims, Nos. 1 to 6 inclusive; West Warrior Placer Mining Claims, Nos. 1 and 2; Black Warrior Extension Placer Mining Claims, Nos. 1 and 2;

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: Not Applicable

Copies attached-Original in your possession

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] MONAZITE; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 60 - 90 days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 90 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $13,725.35, which is 90 percent of the agreed estimated total cost of this project, $15,261.50. WSR

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Lay Decker & Co
(Operator)

By W. S. Culledge (Pres)

THE UNITED STATES OF AMERICA

By

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead

Attorney-in-Fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

The proposed work also includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately 1 mile needs extensive renovation. Two of the five buildings located at the mining camp on the above mentioned property must be renovated and repaired to make available housing facilities for the workmen and other purposes.

Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

EXHIBIT "B"

No additional facilities, such as buildings, are to be purchased, installed or erected. Two existing buildings are to be renovated and repaired.

EXHIBIT "C"

Operating Equipment to be Rented

1 Bulldozer @ $100 per day, 6 days	$ 600.00
1 Drill rig complete @ $750 per month, 3 months	2,250.00
1 Pickup truck @ $150 per month, 3 months	450.00

Materials and Supplies to be Purchased

Materials to repair 2 buildings	750.00
Stove	100.00
Kitchenware	100.00
7 Beds @ $20 each	140.00
Bedding for 7 beds	70.00
1 Table	15.00
8 Chairs @ $5 each	40.00
Tableware	25.00
4 Picks @ $3.50 each	14.00
4 Shovels @ $2.50 each	10.00
2 Crowbars @ $4.00 each	8.00
1 Crosscut saw	4.50
1 Hip saw	4.50
1 Buck saw	4.50
1 Crosscut large saw	10.00
2 36" prybars @ $1 each	2.00
2 Hammers @ $1.50 each	3.00
1 Hatchet	2.00

2 Woodsmen axes @ $3.50 each	$ 7.00
6 Assorted files @ $1.30 each	5.00
Nails	10.00
150' 3" Galvanized pipe	135.00
1 Square	1.50
1 Jack plane	5.00
2 1½" pipe wrenches @ $ 2.50 each	5.00
2 1½" Monkey wrenches @ $1.50 each	3.00
2 5-ton Jacks @ $8 each	16.00
3 Chisels @ $1.00 each	3.00
1 8 lb. Maul	2.00
1 Brace and bits	3.00
6 Assorted metal drills @ 50¢ each	3.00
1 Level	2.50
200' 1" rope	25.00
2 Blocks @ $7 each	14.00
1500 gal. Gasoline @ 30¢ per gal.	450.00
3 Gas lanterns @ $12 each	36.00
Oil and grease	50.00
Miscellaneous materials and supplies	500.00
TOTAL	$5,378.50

EXHIBIT "D"

Itemized Schedule of Labor, by Number and Classes, and of Supervisors

1 Head driller @ $16 per day, 76 working days	$1216.00
3 Driller helpers at $12 per day, 76 working days	2736.00
1 Panner @ $16 per day, 76 working days	1216.00
1 Cook @ $250 per month, 3 months	750.00
1 Supervisor @ $500 per month, 3 months	1500.00
TOTAL	7,418.00

EXHIBIT "F"

Existing Facilities and Buildings

There are five (5) buildings located at the mining camp on this property, all of which need new roofing felt and other repairs. It is contemplated that two (2) of these buildings will be repaired for housing accommodations and other purposes. The estimated cost of such repair is $750.00. A stove will be acquired at an estimated cost of $100.00.

MF-200
(April 1951)

Docket No. DMA 1356 X

Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] STEPHENSON LEYDECKER & CO.
1404 Franklin Street
Oakland, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of IDAHO, County of ELMORE described as follows: [3] Black Warrior Placer Mining Claims, Nos. 1 to 6 inclusive; West Warrior Placer Mining Claims, Nos. 1 and 2; Black Warrior Extension Placer Mining Claims, Nos. 1 and 2;
with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: Not Applicable

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached. Copies attached-Original in your possession

3. *Exploration project.* The Operator, within thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] MONAZITE; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 60 - 90 days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 90 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $13,735.35, which is 90 percent of the agreed estimated total cost of this project, $15,261.50.

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Leydecker & Co
(Operator)

By W S Rutledge (Pres)

THE UNITED STATES OF AMERICA

By

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

MF-202

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

U. S. GOVERNMENT PRINTING OFFICE 940768

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead
Attorney-in-Fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

The proposed work also includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately 1 mile needs extensive renovation. Two of the five buildings located at the mining camp on the above mentioned property must be renovated and repaired to make available housing facilities for the workmen and other purposes.

Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

EXHIBIT "B"

No additional facilities, such as buildings, are to be purchased, installed or erected. Two existing buildings are to be renovated and repaired.

EXHIBIT "C"

Operating Equipment to be Rented

1 Bulldozer @ $100 per day, 6 days	$ 600.00
1 Drill rig complete @ $750 per month, 3 months	2,250.00
1 Pickup truck @ $150 per month, 3 months	450.00

Materials and Supplies to be Purchased

Materials to repair 2 buildings	$ 750.00
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Kitchenware	100.00
7 Beds @ $20 each	140.00
Bedding for 7 beds	70.00
1 Table	15.00
8 Chairs @ $5 each	40.00
Tableware	25.00
4 Picks @ $3.50 each	14.00
4 Shovels @ $2.50 each	10.00
2 Crowbars @ $4.00 each	8.00
1 Crosscut saw	4.50
1 Rip saw	4.50
1 Buck saw	4.50
1 Crosscut large saw	10.00
2 36" prybars @ $1 each	2.00
2 Hammers @ $1.50 each	3.00
1 Hatchet	2.00

2 Woodsmen axes @ $3.50 each	$ 7.00
6 Assorted files @ $1.30 each	5.00
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150' 3" Galvanized pipe	135.00
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2 14" pipe wrenches @ $2.50 each	5.00
2 14" Monkey wrenches @ $150 each	3.00
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3 Chisels @ $1.00 each	3.00
1 8 lb. Maul	2.00
1 Brace and bits	3.00
6 Assorted metal drills @ 50¢ each	3.00
1 Level	2.50
200' 1" rope	25.00
2 Blocks @ $7 each	14.00
1500 gal. Gasoline @ 30¢ per gal.	450.00
3 Gas lanterns @ $12 each	36.00
Oil and grease	50.00
Miscellaneous materials and supplies	500.00
TOTAL	$5,878.50

EXHIBIT "D"

Itemized Schedule of Labor, by Number and Classes, and of Supervisors

1 Head driller @ $16 per day, 76 working days	$1216.00
3 Driller helpers at $12 per day, 76 working days	2736.00
1 Panner @ $16 per day, 76 working days	1216.00
1 Cook @ $250 per month, 3 months	750.00
1 Supervisor @ $500 per month, 3 months	1500.00
TOTAL	$7,418.00

EXHIBIT "E"

Existing Facilities and Buildings

There are five (5) buildings located at the mining camp on this property, all of which need new roofing felt and other repairs. It is contemplated that two (2) of these buildings will be repaired for housing accommodations and other purposes. The estimated cost of such repair is $750.00. A stove will be acquired at an estimated cost of $100.00.

MF-200
(April 1951)

Docket No. DMA 1356X

Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

_____

_____

_____

_____

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of _____, County of _____ described as follows: [3] _____

_____

_____

_____

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

_____

_____

_____

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within 30 days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

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[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator ---- percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 735, which is ---- percent of the agreed estimated total cost of this project, $ ----.

WSR

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Tyndeckertco
(Operator)

By W. Tullidge (Pres)

THE UNITED STATES OF AMERICA

By ----

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead

Attorney-in-Fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

The proposed work also includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately 1 mile needs extensive renovation. Two of the five buildings located at the mining camp on the above mentioned property must be renovated and repaired to make available housing facilities for the workmen and other purposes.

Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

EXHIBIT "B"

No additional facilities, such as buildings, are to be purchased, installed or erected. Two existing buildings are to be renovated and repaired.

EXHIBIT "C"

Operating Equipment to be Rented

1 Bulldozer @ $100 per day, 6 days	$ 600.00
1 Drill rig complete @ $750 per month, 3 months	2,250.00
1 Pickup truck @ $150 per month, 3 months	450.00

Materials and Supplies to be Purchased

Materials to repair 2 buildings	$ 750.00
Stove	100.00
Kitchenware	100.00
7 Beds @ $20 each	140.00
Bedding for 7 beds	70.00
1 Table	15.00
8 Chairs @ $5 each	40.00
Tableware	25.00
4 Picks @ $3.50 each	14.00
4 Shovels @ $2.50 each	10.00
2 Crowbars @ $4.00 each	8.00
1 Crosscut saw	4.50
1 Rip saw	4.50
1 Buck saw	4.50
1 Crosscut large saw	10.00
2 36" prybars @ $1 each	2.00
2 Hammers @ $1.50 each	3.00
1 Hatchet	2.00

2 Woodsmen axes @ $3.50 each	$ 7.00
6 Assorted files @ $1.30 each	5.00
Nails	10.00
150' 3" Galvanized pipe	135.00
1 Square	1.50
1 Jack plane	5.00
2 14" pipe wrenches @ $2.50 each	5.00
2 14" Monkey wrenches @ $150 each	3.00
2 5-ton Jacks @ $8 each	16.00
3 Chisels @ $1.00 each	3.00
1 8 lb. Maul	2.00
1 Brace and bits	3.00
6 Assorted metal drills @ 50¢ each	3.00
1 Level	2.50
200' 1" rope	25.00
2 Blocks @ $7 each	14.00
1500 gal. Gasoline @ 30¢ per gal.	450.00
3 Gas lanterns @ $12 each	36.00
Oil and grease	50.00
Miscellaneous materials and supplies	500.00
TOTAL	$5,878.50

EXHIBIT "D"

Itemized Schedule of Labor, by Number and Classes, and of Supervisors

1 Head driller @ $16 per day, 76 working days	$1216.00
3 Driller helpers at $12 per day, 76 working days	2736.00
1 Panner @ $16 per day, 76 working days	1216.00
1 Cook @ $250 per month, 3 months	750.00
1 Supervisor @ $500 per month, 3 months	1500.00
TOTAL	$7,418.00

EXHIBIT "E"

Existing Facilities and Buildings

There are five (5) buildings located at the mining camp on this property, all of which need new roofing felt and other repairs. It is contemplated that two (2) of these buildings will be repaired for housing accommodations and other purposes. The estimated cost of such repair is $750.00. A stove will be acquired at an estimated cost of $100.00.

MF-200
(April 1951)

Docket No. DMA 1356X

Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

_____

_____

_____

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of _____, County of _____ described as follows: [3] _____

_____

_____

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

_____

_____

_____

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within _____ days from the date of this contract shall commence work on a project of exploration for [5] _____; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] _____ from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

---

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator ..... percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $ 735 ....., which is ..... percent of the agreed estimated total cost of this project, $.....

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Leydecker & Co
(Operator)

By W. S. Cullitey (Pres)

THE UNITED STATES OF AMERICA

By .....

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead

Attorney-in-Fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

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Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

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2 Woodsmen axes @ $3.50 each	$ 7.00
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Miscellaneous materials and supplies	500.00
TOTAL	$5,878.50

EXHIBIT "D"

Itemized Schedule of Labor, by Number and Classes, and of Supervisors

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1 Supervisor @ $500 per month, 3 months	1500.00
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EXHIBIT "E"

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TENTATIVE LAB REPORT

Black Warrior

		ThO_2 eq. of monazite
1-G	0.29% ThO_2 eq. ÷ 5.5	5.3% monazite eq.
2-G	0.35% " "	6.4% " "
3-G	0.18% " "	3.2% " "
4-G	0.34% " "	6.4% " "

Mineralogical examination of sample 2-G indicates about 2% monazite. This accounts for only about 30% of the radioactivity of the sample. The balance of the activity is due to a fraction of a percent of a highly active mineral (probably euxenite or samarskite), and several percent of minerals containing a very low level of activity.

MF-200
(April 1951)

Docket No. DMA 1356X

Commodity _____

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

EXPLORATION PROJECT CONTRACT [1]

It is agreed this _____ day of _____, 195__, between the United States of America, acting through the Department of the Interior, Defense Minerals Administration, hereinafter called the "Government," and [2] _____

[illegible] Co.
[illegible] Street
Oakland, California

hereinafter called the "Operator," as follows:

1. *Authority for contract.* This agreement is entered into under the authority of the Defense Production Act of 1950, pursuant to Mineral Order 5, entitled "Regulations Governing Government Aid in Defense Exploration Projects."

2. *Operator's property rights.* The exploration project shall be conducted on that certain property situated in the State of [illegible], County of _____ described as follows: [3] [illegible]

with respect to which the Operator represents and undertakes: [4]

(*a*) That he is the sole owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached: _____

[illegible]

(*b*) That he is a lessee, in possession and entitled to possession, and the subordination agreement of the lessor is attached.

3. *Exploration project.* The Operator, within Thirty (30) days from the date of this contract shall commence work on a project of exploration for [5] [illegible]; shall prosecute the work efficiently, expertly, in a workmanlike manner, in accordance with good mining standards, with suitable and adequate equipment, materials, and labor, all properly designed to bring the project to completion within a period of [6] 60 - 90 days from the date of this contract. The exploration project and the work to be performed are more fully described on Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, is made a part of this contract.

4. *Performance of the work.* The work shall be performed by the Operator, under his sole direction and control: *Provided,* That with the consent of the Government and its written approval of the contract or contracts, all or any part of the work may be performed by the Operator through contract or contracts with independent contractors. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

5. *Fixtures and improvements.* The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof. Attached hereto, marked "Exhibit 'B'," is a detailed list of additional facilities, buildings, and fixtures, to be purchased, installed, or erected by the Operator, with the estimated cost of each, to which the Government will contribute its agreed pro-rata share of the cost. The difference between the cost of such additional facilities, buildings, or fixtures, and the salvage value thereof at the conclusion of the work, shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

6. *Operating equipment.* Attached hereto, marked "Exhibit 'C'," is a detailed list of operating equipment divided into categories of items to be rented, purchased, or furnished by the Operator, with the allowable rental, purchase price, or rental value, as the case may be, annexed to each. As to equipment purchased for the project, the Government will contribute its agreed pro-rata share of the cost thereof, and the difference between the cost and the salvage value at the conclusion of the work shall be charged as a cost of the project to which the Government has contributed its pro-rata share.

---

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property.
[4] Strike out the provision not applicable.
[5] Name of mineral.
[6] Not in excess of 2 years.

7. *Title to and disposition of property.* All facilities, buildings, fixtures, equipment, or other items costing more than $50 each, paid for or purchased with funds contributed jointly by the Operator and the Government, shall belong to the Operator and the Government jointly, in proportion to their respective contributions, and upon the termination of the contract, if they have any salvage value, shall be disposed of for their joint account unless the Government, in writing, waives its interest in any such items. The Government may require the dismantling, severance from land, and removal of any such items in order to realize its interest in the salvage value thereof, and the cost of any such removal and of the disposal of the items shall be for the joint account of the parties in proportion to their respective interests.

8. *Labor and supervision.* Attached hereto, marked "Exhibit 'D'," is an itemized schedule of labor, by numbers and classes (miners, muckers, millmen, etc.), and of supervisors, by numbers and positions, with the maximum wages or salaries that may be paid to each as an allowable cost of the project.

9. *Rehabilitation and repairs.* Attached hereto, marked "Exhibit 'E'," is a detailed schedule of existing facilities, buildings, installations, and fixtures, with a statement of the cost of any necessary rehabilitation or repairs to put into useful and operable condition, which cost shall be allowed as a cost of the project.

10. *Allowable costs of the project.* The allowable costs of the project in which the Government will participate are limited to the necessary, reasonable, direct costs of performing the exploration work, including the costs of materials, supplies, engineering, power, water, and utilities, including items of equipment costing less than $50 each; and the costs referred to in Articles 5, 6, 8, and 9, and the exhibits annexed to and referred to in the contract. Although the Government may pay part of the cost of new or additional facilities, structures, buildings, and equipment, only the depreciation on such items, computed as indicated in Articles 5 and 6, will be charged as a cost of the project. No items of general overhead, corporate management, interest, or any other indirect costs not expressly allowed by these regulations, or work performed or costs incurred before the date of this contract, shall be allowed as costs of the project in which the Government will participate.

11. *Participation by the Government.* At the end of the first full calendar month after the Operator has commenced work under the project, and at the end of each succeeding calendar month, the Operator shall submit to the Government a voucher for payment with a detailed statement of work done and allowable costs (as defined in Article 10 of this agreement) incurred, in a form and with supporting data acceptable to the Government. After approving the voucher, the Government shall pay to the Operator 50 percent of the sum of such costs incurred; *Provided,* That the aggregate total of all sums paid by the Government under this agreement shall not exceed $22,785.00, which is 90 percent of the agreed estimated total cost of this project, $[illegible]. WSR

12. *Accounts and audits.* The Operator shall keep suitable records and accounts of operations, which the Government may inspect and audit at any time. The Government may at any time require an audit of the Operator's records and accounts by a certified public accountant, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract.

13. *Progress reports.* The Operator shall provide the Government with monthly reports of progress in form and content satisfactory to the Government, and upon the completion of the project or termination of the contract shall provide the Government with a comprehensive geologic and engineering report, including an estimate of ore reserves, to the best of his ability. Four copies of all reports shall be furnished to the Government.

14. *Repayment by Operator.* If, upon the completion of the exploration project or termination of the contract, the Government considers that a discovery or development has resulted from the work from which commercial production of ore may be made, the Government, within 6 months thereafter shall so certify to the Operator, particularly describing and delimiting its estimate of the discovery or the development. Thereafter, if and as ore is produced as a result of such discovery or development, the Operator and his successor in interest shall be and become obligated to pay to the Government a percentage royalty on the net smelter returns or other net proceeds realized from such ore, concentrates, or metal produced within ten (10) years from the date of this contract, until the total amount contributed by the Government, without interest, is fully repaid or said 10 years have elapsed, whichever occurs first, as follows:

Of net smelter returns or other net proceeds not in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent.

Of net smelter returns or other net proceeds in excess of eight dollars ($8.00) per ton of ore: One and one-half (1½) percent, plus one-half (½) percent additional for each full fifty cents ($0.50) in excess of eight dollars ($8.00) per ton of ore, but not in excess of a maximum of five (5) percent.

This obligation to repay from net returns or proceeds shall be and remain a claim and lien upon the property which is the subject of the exploration project and upon any production resulting from such discovery or development, in favor of the Government, until fully paid, or until said 10-year period has elapsed; and this claim and lien and the Government's right to repayment shall survive any termination of the contract, whether by completion of the exploration project or otherwise. This article is not to be construed as imposing any obligation on the Operator or his successor in interest to produce ore from any such discovery or development.

15. *No assignment of contract.* Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder.

16. *Termination and completion.* The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worthwhile discovery and in the opinion of the Government further operations are not justified. Upon the completion of the project or any termination of the contract the Operator shall render to the Government a full and final accounting of his operations under the contract and his expenditures of money; shall dispose of any unused materials, supplies, and equipment for the joint account of the Operator and the Government in the proportion of their respective interests; and shall pay to the Government its pro-rata share of any money remaining.

Executed in triplicate the day and year first above written.

Stephenson Lay Decker & Co
(Operator)

By W S Cuttledge (Pres)

THE UNITED STATES OF AMERICA

By _____

U. S. GOVERNMENT PRINTING OFFICE 16—64066-1

Dma-1356X

LANDLORD'S SUBORDINATION AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the undersigned is the owner in fee simple of that certain parcel of ground in the county of Elmore, State of Idaho, described in a certain application for Exploration Project Contract dated May 26, 1951, between Stephenson-Leydecker & Co., a corporation, the Lessee of said property, and the United States of America;

NOW, THEREFORE, the undersigned, as Lessor of said property under lease dated May 16, 1951, does by these presents subordinate all of his right, title, and interest under the provisions of said lease to the right, title, and interest of the United States of America under the provisions of said Exploration Project Contract, and agrees that the lien and claim of the United States of America under the provisions of said contract shall be prior to the undersigned's rights to rentals or royalties under the terms of said lease; and

The undersigned further agrees that if said leasehold interest should be surrendered or if said lease should terminate at any time prior to the expiration of the rights of the United States of America under said Exploration Project Contract, the undersigned shall assume and does hereby assume all of the obligations of the Lessee under said Exploration Project Contract to make repayment to the United States of America according to the terms of said contract; and

The undersigned agrees to commit no act, nor assert any claim under judicial process or otherwise that may contravene or conflict with the prior lien and claim of the United States of America under the provisions of said Exploration Project Contract.

This undertaking and covenant shall be binding upon the heirs, successors, and assigns of the undersigned.

Dated this 26th day of May, 1951

/s/ Harold E. Cullen

/s/ Charles E. Winstead

Walter McClure

By /s/ Chas. E. Winstead

Attorney-in-Fact

EXHIBIT "A"

The exploration project and work to be conducted will be for monazite and other rare earths.

It is planned to drill from 30 to 45 test holes to bedrock which is estimated will require an average depth of 25'. This drilling exploration is planned to cover Black Warrior Placer Mining Claims 1 to 6, inclusive, and West Warrior Placer Mining Claims 1 and 2. It is estimated that the time required to complete this exploration project will be from 60 to 90 days.

The proposed work also includes the repair of the road from the main Boise-Atlanta Highway to the mining camp, of which approximately 1 mile needs extensive renovation. Two of the five buildings located at the mining camp on the above mentioned property must be renovated and repaired to make available housing facilities for the workmen and other purposes.

Attached hereto and made a part of Exhibit "A" is Geological Map of the general area and Map of the Black Warrior Mining Claims.

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 1356X

Date received 5-29-51

Participation

Stephenson-Leydecker & Co.,
a corporation
1404 Franklin Street
Oakland 12, California

Name and address of applicant

Date May 26, 1951

FILL IN THIS BLOCK

Date of application May 26, 1951

Estimated cost $15,261.50

Mineral or metal Monazite

Percentage of Government participation 90%

Location of mine T. 6 N., R. 10 E., B. M.,
Black Warrior Mining District,
Elmore County, Idaho

Date of filing MF-100 none

DMA Docket Number, if available 1356X ~~None~~

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? Corporation

*2. If a partnership, state names and addresses of partners. Not applicable

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See Sheet No. 3

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See Sheet No. 4

*5. Are you the owner or the lessee of the property? Lessee - Optionee

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. See Sheet No. 7; 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.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See Sheet No. 8

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)? $1600.00, plus necessary working capital. Amount is sufficient to pay applicant's part of cost.

*If 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 Sheet No. 10 (See
(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted (Sheet No.10

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. See Sheet No. 11

*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 Sheet No. 12

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. See Sheet No. 13

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Sheet No. 14

15. State in detail how the ore could be shipped and how and where milled. See Sheet No. 15

*16. History: See Sheet No. 16
(*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: Not in 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 Sheet No. 18
(*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. None

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Monazite and other rare earths

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Sheet No. 21

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. See Sheet No. 22

THE REQUIREMENTS AND COSTS

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. See Sheet No. 23
(*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. See Sheet No. 24

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.

Stephenson-Leydecker & Co.
(Name of company)

By W. S. Leydecker
(Signature of authorized official)

Pres
(Title)

(Date)

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

OFFICERS

W. S. Rutledge, President	909 Paramount Road Oakland, Calif.
D. C. Rathbun, Vice-President	687 Haddon Road Oakland, Calif.
Bernard S. Fontaine, Vice-President	3932 N. Peardale Road Lafayette, Calif.
B. C. Steet, Secretary-Treasurer	Dolores Drive Lafayette, Calif.
Jay C. Rutledge, Assistant-Secretary	909 Paramount Road Oakland, Calif.

DIRECTORS

W. S. Rutledge

D. C. Rathbun

B. C. Steet

STOCKHOLDERS

W. S. Rutledge

B. C. Steet

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 3

Attest _____
Secretary

(a) The applicant has not as a corporate entity previously engaged in the mining business. It has been successfully engaging in the investment banking and securities business in Oakland, California, for a period of twenty-five years.

(b) The supervisor and anager of the exploration project will be Harold E. Cullen, P.O. Box 1073, Boise, Idaho. Mr. Cullen is a graduate mechanical engineer, and has had nine years' experience in the hydraulic operation of the Black Warrior Mine in Elmore County, Idaho. He was also supervisor of a placer dredge operation for approximately four years in the Boise Basin country in Boise County, Idaho. Walter Johnson of Walter Johnson & Company, 351 California Street, San Francisco, California, a nationally known engineer of mines, will act in an advisory capacity on this exploration project.

OPTION

THIS AGREEMENT, Made and entered into this 16th day of May, 1951, between HAROLD E. CULLEN (herein called the "Optionor"), and STEPHENSON LEYDECKER & CO., a corporation duly created, organized and existing under and by virtue of the laws of the State of Nevada, and having an o ffice at 1404 Franklin Street, Oakland, California (herein called "Optionee"),

For and in consideration of the payment of $100.00 by the Optionee to the Optionor, the receipt whereof is hereby acknowledged, and the covenants, stipulations and agreements hereinafter set forth,

IT IS AGREED by and between the parties hereto as follows:

OPTIONOR AGREES:

1. That the Optionee shall have the right to enter upon and test the grounds of the Black Warrior Mine, located in the Black Warrior Mining District, in Elmore County, Idaho, in any way they see fit, either by drilling or test-pitting or both, up to August 1, 1951.

2. In the event the said testing proves satisfactory to Optionee in gold or m onazite, or either or otherwise, and Optionee desires to acquire a one-half (1/2) undivided interest in and to the said property upon receipt in writing from the Optionee to that effect, Optionor agrees to convey one-half (1/2) of all his right, title and inter-

ceeds.

3. That on August 1, 1951, if the said Optionee has not notified the said Optionor of his intention to exercise this option, then and in that event, this agreement shall become null and void and said Optionee shall have no further right, title or interest in or to the said mining property or any part or parcel thereof, save and except that it shall have the right to remove the machinery and equipment which it has brought upon said mining property to make the said tests.

IN WITNESS WHEREOF, the Optionee has signed this Option, by its Vice President thereunto duly authorized, and has caused its corporate seal to be hereunto annexed, attested by its Secretary, and the Optionor has hereunto set his hand and seal the day and year first above written.

STEPHENSON LEYDECKER & CO.

By D. C. Rathbun
Vice President

Attest:

B. C. Steet
Secretary

Harold E. Cullen
Harold E. Cullen

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

BALANCE SHEET - NOVEMBER 30, 1950.

ASSETS

CURRENT ASSETS:			
Cash in banks		$ 54,760.66	
Securities owned - priced at market value (XXXXXXXXX) -			
Stocks	$ 55,501.00		
Bonds	-	55,501.00	
Accounts receivable -			
Customers	$ 9,388.45		
Dealers	28,762.87		
Officers, employees and affiliated companies	1,397.38	39,548.70	$149,810.36
Cash surrender value of life insurance policy			5,225.54
FIXED ASSETS:			
Furniture and fixtures		$ 7,800.50	
Automobile		2,222.59	
		$ 10,023.09	
Less - Reserve for depreciation		5,749.21	4,273.88
DEFERRED CHARGES:			
Unexpired insurance premiums		$ 262.79	
Prepaid licenses		310.00	572.79
Total assets			$159,882.57

LIABILITIES

CURRENT LIABILITIES:			
Accounts payable -			
Customers	$ 33,528.25		
Dealers	14,685.45		
Officers, employees and affiliated companies	1,279.89		
Others	6,543.90	$ 56,037.49	
Notes payable - secured		36,370.00	
Accrued interest payable		166.14	
Payroll taxes payable		357.46	
Withholding tax payable		1,358.72	
Commissions payable		10,772.41	
Federal income tax payable		1,960.07	
Total liabilities			$ 107,022.29
CAPITAL STOCK:			
Class A - no par value - 60 shares	$ 3,300.00		
Class B - no par value - 6845 shares	21,450.00	$ 24,750.00	
CAPITAL SURPLUS - donated		5,946.00	
EARNED SURPLUS:			
Balance - November 30, 1949 (per previous audit report)	$ 13,240.74		
Net profit for year (XXXXXXXXX)	8,923.54		
Balance - November 30, 1950		$ 22,164.28	$ 52,860.28
Total liabilities and net worth			$ 159,882.57

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8

Attest _____
Secretary

INCOME ACCOUNT FOR YEAR ENDED NOVEMBER 30, 1950

Income	$213,451.10
Expenses	201,768.49
	11,682.61
Other Deductions	805.00
	10,877.61
Provision for Federal Income Taxes	1,960.07
	8,923.54

ephenson, Leydecker & Co.
Franklin Street
land, California

Sheet No. 8A

Attest _____
Secretary

(a) The following unpatented placer mining claims, to-wit:

Black Warrior Placer Mining Claims,
Nos. 1 to 6 inclusive;
West Warrior Placer Mining Claims,
Nos. 1 and 2;
Black Warrior Extension Placer Mining
Claims, Nos. 1 and 2;

all situate in Township 6, North of Range 10 East, Boise Meridian, in the Black Warrior Mining District, Elmore County, State of Idaho.

(b) Same as (a) supra.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This property is now known, and has been known ever since its location in approximately 1903, as the Black Warrior Mine.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This mining property is located in Elmore County, State of Idaho, approximately 11 miles west from Atlanta, Idaho, a small mining town. The nearest railroad and shipping point is Boise, Idaho, approximately 78 miles southwest from the property. One end of the property adjoins the Boise-Atlanta highway, which is an improved mountain road ordinarily in good passable condition, excepting that it is occasionally blocked by snow during the winter months for short periods of time.

The distance from the main road up to the mining camp is approximately 4 miles. This road is at the present time in poor condition, and will need some repair in order to get the main supplies and equipment into the mining camp.

The volume of water in Black Warrior Creek, which runs through this mining property, is equal to 24,000 gpm at the low water period in late July and August; at high water the flow is approximately 60,000 gpm. There is more than sufficient water the year round for continuous mining operations on this property.

There is no power utility service available. For electric power, a diesel unit would have to be used. The power for the exploratory project necessary to operate the drilling rig will be by gasoline engine.

There are five buildings located at the mining camp on this property, all of which need new roofing felt and other repairs.

It is contemplated for this exploratory project that two of these buildings will be repaired for housing accommodations and other purposes.

The monazite and other rare earths will be partially concentrated on the dredge by the use of jigs. These concentrates will be shipped by truck to a magnetic separator plant operating in Boise, Idaho for the balance of the concentration. After such concentration these mineral products will then be in condition for shipment.

(a) Prior to 1925 there were occasional small ground sluicing operations on this property.

From 1925 to 1930 the Trinidad Mining Corporation of Las Vages, Nevada, intermittently conducted a large hydraulic operation, during which approximately 40,000 cubic yards on a high bar were worked. The reason for the suspension of this operation was mismanagement and internal legal difficulties between the operators and stockholders.

From 1935 to 1941, inclusive, the present owners conducted intermittent hydraulic and ground cluicing operations on this property, and also did extensive exploration work and testing. This operation was suspended because of war conditions.

The records of this operation and of the exploring and testing of the property were stolen from the office in the headquarter's camp in the winter of 1948-1949.

The above information is according to our best knowledge and belief.

(b) The Overlook Mining and Milling property adjoins this property approximately 8 miles up stream from the mouth of Black Warrior Creek. This property was a successful producer up to 1925. The reasons for its suspension of operations are not known.

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1404 Franklin Street,
Oakland, California.

(c) A complete Engineer's Report on this property was made in 1934 by Francis R. Chapman, E. M. of Los Angeles, California, who recommended the installation of a drag line type dredge, and estimated 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel. In addition to a favorable report on gold content Mr. Chapman also reported the presence of monazite. We are advised that Mr. Chapman died in 1942, and the availability of his records is unknown.

In the summer of 1937 this property was surveyed by the United States Deputy Mineral Surveyors, and amended location notices were filed on this property. The Surveyors estimate of mineable yardage coincided with that of Mr. Chapman. All of these records and reports were among those stolen, as hereinabove mentioned.

This information is to the best of our knowledge and belief.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

(a) Mr. Chapman's report referred to in the answer to question 16, supra, showed 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel, with a satisfactory gold content and the presence of monazite.

(b) See Map of property attached hereto.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

The proposed work includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately one ile needs extensive renovation. Two of the buildings at the camp must be renovated and repaired to make available housing facilities for the workmen and other purposes.

It is planned to drill from thirty to forty-five test holes to bedrock, which is estimated will require an average depth of twenty-five feet. This drilling exploration is planned to cover all of the above mentioned mining claims, excepting Black Warrior Extension Nos. 1 and 2. It is estimated that the time required to complete this exploration project is from sixty to ninety days.

As mentioned in answer to question 16, supra, Mr. Francis R. Chapman, E. M., reported the presence of monazite in the minable gravels on this property. Also as mentioned above, this report was stolen, and copies thereof are not available to applicant.

In 1941, when the operation was under the supervision of Mr. Harold E. Cullen, material was removed from a large pit located on Black Warrior Claim No. 5, the gold removed, and the other material concentrated by sluice boxes. In 1949 this material was taken to the magnetic separator plant of Rare Earths, Incorporated, at McCall, Idaho, and further concentrated. It was found to contain substantial quantities of monazite and other rare earths. Because it was impossible to determine the amount of yardage of gravel mined to produce this concentrate the exact amount of monazite per yard could not be ascertained. However, it was estimated from this sampling that the quantity of monazite was approximately 4 1/4 pounds per cubic yard.

In September and October, 1950, Mr. Cullen dug approximately six shallow test holes along West Warrior Creek on West Warrior Claim No. 1. These holes were only of a depth of four to five feet because he could not go below the water level. The material taken from these holes was not magnetically concentrated, but Mr. Cullen determined from this testing the presence of monazite in substantial and commercial quantities.

(a)	1 Head driller @ $16.00 per day, 76 working days	$1,216.00
	3 Driller helpers @ $12.00 per day, 76 working days	2,736.00
	1 Panner @ $16.00 per day, 76 working days	1,216.00
	1 Cook @ $250.00 per month, 3 months	750.00
	Total	$5,518.00
(b)	1 Supervisor @ $500.00 per month, 3 months	1,500.00
(c)	Materials to repair two buildings	750.00
(d)	None	
(e)	Stove	100.00
(f)	1 Bulldozer @ $100.00 per day, 6 days	600.00
	1 Drill rig complete @ $750.00 per month, 3 months	2,250.00
	1 Pickup truck @ $150.00 per month, 3 months	450.00
		3,300.00
(g)	None	
(h)	Kitchenware	100.00
	7 Beds @ $20.00 each	140.00
	Bedding for 7 beds	70.00
	1 Table	15.00
	8 Chairs @ $5.00 each	40.00
	Tableware	25.00
	4 Picks @ $3.50 each	14.00
	4 Shovels @ $2.50 each	10.00
	2 Crowbars @ $4.00 each	8.00
	1 Crosscut saw	4.50
	1 Rip saw	4.50
	1 Buck saw	4.50
	1 Crosscut large saw	10.00
	2 36" Prybars @ $1.00 each	2.00
	2 Hammers @ $1.50 each	3.00
	1 Hatchet	2.00
	2 Woodsmen axes @ $3.50 each	7.00
	6 Assorted files @ $1.30 each	5.00
	Nails	10.00

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California

150' 3" galvanized pipe		135.00
1 Square		1.50
1 Jack plane		5.00
2 14" pipe wrenches @ $2.50 each		5.00
2 14" monkey wrenches @ $1.50 each		3.00
2 5-ton jacks @ $8.00 each		16.00
3 Chisels @ $1.00 each		3.00
1 8 lb. maul		2.00
1 Brace and bits		3.00
6 Assorted metal drills @ $.50 each		3.00
1 Level		2.60
200' 1" rope		25.00
2 Blocks @ $7.00 each		14.00
1500 gal. gasoline @ $.30		450.00
3 Gas lanterns @ $12.00 each		36.00
Oil and grease		50.00
Miscellaneous materials and supplies		500.00
	Total	1,728.50
(i) Board for 7 men for 90 days @ $2.50 per man per day		1,575.00
Workman's Compensation Insurance		280.00
Liability Insurance		110.00
	Total	1,965.00
	Grand Total	$15,261.50

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California

Repair and reconditioning of road, five days.

Renovation and repair of buildings and oving into camp, five days.

Drilling from thirty to forty-five test holes at the rate of one hole every two days or better, eighty days.

Total - Ninety days.

The first month after the project is approved will be spent in repairing the road and the structures, and drilling from six to eleven test holes.

All materials and supplies must be purchased during this month, and it is estimated that the expenditures during this time will be approximately $9,000.00.

The second month will be devoted to drilling from twelve to seventeen test holes, and the total estimated expenditures for this month is $3,000.00.

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If the drilling can be accomplished more rapidly than appears from the above estimates, this exploratory project can be completed earlier; however, in no event should the total project require in excess of ninety days from the approval thereof.

The estimated costs of this project, as contained in this application, were determined to assure that the labor, equipment, supplies and material could be obtained within the total estimated costs. However, it is hoped that many items can be acquired more economically and, if so, the total cost of the project will be reduced to that extent.

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTER R
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 1356X

Date received 5-29-51

Participation

Stephenson-Leydecker & Co.,
a corporation
1404 Franklin Street
Oakland 12, California

Name and address of applicant

Date May 26, 1951

FILL IN THIS BLOCK

Date of application May 26, 1951

Estimated cost $15,261.50

Mineral or metal Monazite

Percentage of Government participation 90%

Location of mine T. 6 N., R. 10 E., B. M.,
Black Warrior Mining District,
Elmore County, Idaho

Date of filing MF-100 none

DMA Docket Number, if available 1356X none

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? Corporation

*2. If a partnership, state names and addresses of partners. Not applicable

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See Sheet No. 3

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See Sheet No. 4

*5. Are you the owner or the lessee of the property? Lessee - Optionee

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. See Sheet No. 7; 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.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement See Sheet No. 8

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)? $1600.00, plus necessary working capital. Amount is sufficient to pay applicant's part of cost.

*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 Sheet No. 10 (See
(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Sheet No. 10

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. See Sheet No. 11

*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 Sheet No. 12

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source. See Sheet No. 13

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Sheet No. 14

15. State in detail how the ore could be shipped and how and where milled. See Sheet No. 15

*16. History: See Sheet No. 16
(*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: Not in 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 Sheet No. 18
(*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. None

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Monazite and other rare earths

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Sheet No. 21

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. See Sheet No. 22

THE REQUIREMENTS AND COSTS

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. See Sheet No. 23
(*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. See Sheet No. 24

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.

Stephenson-Leydecker & Co.
(Name of company)

By Wes Rutledge
(Signature of authorized official)
Pres
(Title)

(Date)

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

OFFICERS

W. S. Rutledge, President	909 Paramount Road Oakland, Calif.
D. C. Rathbun, Vice-President	687 Haddon Road Oakland, Calif.
Bernard S. Fontaine, Vice-President	3932 N. Peardale Road Lafayette, Calif.
B. C. Steet, Secretary-Treasurer	Delores Drive Lafayette, Calif.
Jay C. Rutledge, Assistant-Secretary	909 Paramount Road Oakland, Calif.

DIRECTORS

W. S. Rutledge

D. C. Rathbun

B. C. Steet

STOCKHOLDERS

W. S. Rutledge

B. C. Steet

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 3

Attest _____
Secretary

(a) The applicant has not as a corporate entity previously engaged in the mining business. It has been successfully engaging in the investment banking and securities business in Oakland, California, for a period of twenty-five years.

(b) The supervisor and manager of the exploration project will be Harold E. Cullen, P.O. Box 1073, Boise, Idaho. Mr. Cullen is a graduate mechanical engineer, and has had nine years' experience in the hydraulic operation of the Black Warrior Mine in Elmore County, Idaho. He was also supervisor of a placer dredge operation for approximately four years in the Boise Basin country in Boise County, Idaho. Walter Johnson of Walter Johnson & Company, 351 California Street, San Francisco, California, a nationally known engineer of mines, will act in an advisory capacity on this exploration project.

OPTION

THIS AGREEMENT, Made and entered into this 16th day of May, 1951, between HAROLD E. CULLEN (herein called the "Optionor"), and STEPHENSON LEYDECKER & CO., a corporation duly created, organized and existing under and by virtue of the laws of the State of Nevada, and having an o ffice at 1404 Franklin Street, Oakland, California (herein called "Optionee"),

For and in consideration of the payment of $100.00 by the Optionee to the Optionor, the receipt whereof is hereby acknowledged, and the covenants, stipulations and agreements hereinafter set forth,

IT IS AGREED by and between the parties hereto as follows:

OPTIONOR AGREES:

1. That the Optionee shall have the right to enter upon and test the grounds of the Black Warrior Mine, located in the Black Warrior Mining District, in Elmore County, Idaho, in any way they see fit, either by drilling or test-pitting or both, up to August 1, 1951.

2. In the event the said testing proves satisfactory to Optionee in gold or m onazite, or either or otherwise, and Optionee desires to acquire a one-half (1/2) undivided interest in and to the said property upon receipt in writing from the Optionee to that effect, Optionor agrees to convey one-half (1/2) of all his right, title and inter-

est in and to the said Black Warrior Mine, consisting of ten association group claims comprising 600 acres more or less of placer mining ground, located along Black Warrior Creek and West Warrior Creek in Black Warrior Mining District, Elmore County, Idaho, for the price of Three Thousand Dollars ($3,000.00, which shall be paid to the Optionor in cash, upon the delivery of the deed of one-half (1/2) of the above real property.

OPTIONEE AGREES:

1. To furnish all necessary tools, equipment, machinery and other materials and provisions required to make any tests, at his sole cost and expense.

2. To use its best efforts to complete the said testing on or before August 1, 1951.

IT IS MUTUALLY AGREED:

1. That all the said testing, road and building repair work and other work performed during the said testing period between June 1st and August 1, 1951 shall be done for and on behalf of the said Optionor and be regarded as assessment work upon the said Mining claims and that the proof of the same shall be filed of record, as required by law, in the Recorder's Office of Elmore County, Idaho.

2. Optionor shall have access at all times to and shall be furnished with full and complete log of all tests and drilling operations for both gold and monazite and other minerals, as the said testing pro-

ceeds.

3. That on August 1, 1951, if the said Optionee has not notified the said Optionor of his intention to exercise this option, then and in that event, this agreement shall become null and void and said Optionee shall have no further right, title or interest in or to the said mining property or any part or parcel thereof, save and except that it shall have the right to remove the machinery and equipment which it has brought upon said mining property to make the said tests.

IN WITNESS WHEREOF, the Optionee has signed this Option, by its Vice President thereunto duly authorized, and has caused its corporate seal to be hereunto annexed, attested by its Secretary, and the Optionor has hereunto set his hand and seal the day and year first above written.

STEPHENSON LEYDECKER & CO.

By D. C. Rathbun
Vice President

Attest:

B. C. Steet
Secretary

Harold E. Cullen
Harold E. Cullen

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

BALANCE SHEET - NOVEMBER 30, 1950.

ASSETS

CURRENT ASSETS:			
Cash in banks		$ 54,760.66	
Securities owned - priced at market value (XXXXXXXXXX) -			
Stocks	$ 55,501.00		
Bonds	-	55,501.00	
Accounts receivable -			
Customers	$ 9,388.45		
Dealers	28,762.87		
Officers, employees and affiliated companies	1,397.38	39,548.70	$149,810.36
Cash surrender value of life insurance policy			5,225.54
FIXED ASSETS:			
Furniture and fixtures		$ 7,800.50	
Automobile		2,222.59	
		$ 10,023.09	
Less - Reserve for depreciation		5,749.21	4,273.88
DEFERRED CHARGES:			
Unexpired insurance premiums		$ 262.79	
Prepaid licenses		310.00	572.79
Total assets			$159,882.57

LIABILITIES

CURRENT LIABILITIES:				
Accounts payable -				
Customers	$ 33,528.25			
Dealers	14,685.45			
Officers, employees and affiliated companies	1,279.89			
Others	6,543.90	$ 56,037.49		
Notes payable - secured		36,370.00		
Accrued interest payable		166.14		
Payroll taxes payable		357.46		
Withholding tax payable		1,358.72		
Commissions payable		10,772.41		
Federal income tax payable		1,960.07		
Total liabilities				$ 107,022.29
CAPITAL STOCK:				
Class A - no par value - 60 shares	$ 3,300.00			
Class B - no par value - 6845 shares	21,450.00	$ 24,750.00		
CAPITAL SURPLUS - donated		5,946.00		
EARNED SURPLUS:				
Balance - November 30, 1949 (per previous audit report)	$ 13,240.74			
Net profit for year (XXXXXXXXXX)	8,923.54			
Balance - November 30, 1950			$ 22,164.28	$ 52,860.28
Total liabilities and net worth				$ 159,882.57

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8

Attest _____
Secretary

INCOME ACCOUNT FOR YEAR ENDED NOVEMBER 30, 1950

Income	$271,452.10
Expense	271,762.49
	11,[illegible]
Other Deductions	805.00
	10,[illegible]
Provision for Federal Income Taxes	1,960.97
	8,[illegible]

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8A

Attest [illegible]
Secretary

(a) The following unpatented placer mining claims, to-wit:

Black Warrior Placer Mining Claims,
Nos. 1 to 6 inclusive;
West Warrior Placer Mining Claims,
Nos. 1 and 2;
Black Warrior Extension Placer Mining
Claims, Nos. 1 and 2;

all situate in Township 6, North of Range 10 East, Boise Meridian, in the Black Warrior Mining District, Elmore County, State of Idaho.

(b) Same as (a) supra.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This property is now known, and has been known ever since its location in approximately 1903, as the Black Warrior Mine.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

Sheet No. 11

This mining property is located in Elmore County, State of Idaho, approximately 11 miles west from Atlanta, Idaho, a small mining town. The nearest railroad and shipping point is Boise, Idaho, approximately 78 miles southwest from the property. One end of the property adjoins the Boise-Atlanta highway, which is an improved mountain road ordinarily in good passable condition, excepting that it is occasionally blocked by snow during the winter months for short periods of time.

The distance from the main road up to the mining camp is approximately 4 miles. This road is at the present time in poor condition, and will need some repair in order to get the main supplies and equipment into the mining camp.

The volume of water in Black Warrior Creek, which runs through this mining property, is equal to 24,000 gpm at the low water period in late July and August; at high water the flow is approximately 60,000 gpm. There is more than sufficient water the year round for continuous mining operations on this property.

There is no power utility service available. For electric power, a diesel unit would have to be used. The power for the exploratory project necessary to operate the drilling rig will be by gasoline engine.

There are five buildings located at the mining camp on this property, all of which need new roofing felt and other repairs.

It is contemplated for this exploratory project that two of these buildings will be repaired for housing accommodations and other purposes.

The monazite and other rare earths will be partially concentrated on the dredge by the use of jigs. These concentrates will be shipped by truck to a magnetic separator plant operating in Boise, Idaho for the balance of the concentration. After such concentration these mineral products will then be in condition for shipment.

(a) Prior to 1925 there were occasional small ground sluicing operations on this property.

From 1925 to 1930 the Trinidad Mining Corporation of Las Vages, Nevada, intermittently conducted a large hydraulic operation, during which approximately 40,000 cubic yards on a high bar were worked. The reason for the suspension of this operation was mismanagement and internal legal difficulties between the operators and stockholders.

From 1935 to 1941, inclusive, the present owners conducted intermittent hydraulic and ground cluicing operations on this property, and also did extensive exploration work and testing. This operation was suspended because of war conditions.

The records of this operation and of the exploring and testing of the property were stolen from the office in the headquarter's camp in the winter of 1948-1949.

The above information is according to our best knowledge and belief.

(b) The Overlook Mining and Milling property adjoins this property approximately 8 miles up stream from the mouth of Black Warrior Creek. This property was a successful producer up to 1925. The reasons for its suspension of operations are not known.

Stephenson Leydecker & Co.
1404 Franklin Street,
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(c) A complete Engineer's Report on this property was made in 1934 by Francis R. Chapman, E. M. of Los Angeles, California, who recommended the installation of a drag line type dredge, and estimated 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel. In addition to a favorable report on gold content Mr. Chapman also reported the presence of monazite. We are advised that Mr. Chapman died in 1942, and the availability of his records is unknown.

In the summer of 1937 this property was surveyed by the United States Deputy Mineral Surveyors, and amended location notices were filed on this property. The Surveyors estimate of mineable yardage coincided with that of Mr. Chapman. All of these records and reports were among those stolen, as hereinabove mentioned.

This information is to the best of our knowledge and belief.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

(a) Mr. Chapman's report referred to in the answer to question 16, supra, showed 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel, with a satisfactory gold content and the presence of monazite.

(b) See Map of property attached hereto.

The proposed work includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately one ile needs extensive renovation. Two of the buildings at the camp must be renovated and repaired to make available housing facilities for the workmen and other purposes.

It is planned to drill from thirty to forty-five test holes to bedrock, which is estimated will require an average depth of twenty-five feet. This drilling exploration is planned to cover all of the above mentioned mining claims, excepting Black Warrior Extension Nos. 1 and 2. It is estimated that the time required to complete this exploration project is from sixty to ninety days.

As mentioned in answer to question 16, supra, Mr. Francis R. Chapman, E.M., reported the presence of monazite in the minable gravels on this property. Also as mentioned above, this report was stolen, and copies thereof are not available to applicant.

In 1941, when the operation was under the supervision of Mr. Harold E. Cullen, material was removed from a large pit located on Black Warrior Claim No. 5, the gold removed, and the other material concentrated by sluice boxes. In 1949 this material was taken to the magnetic separator plant of Rare Earths, Incorporated, at McCall, Idaho, and further concentrated. It was found to contain substantial quantities of monazite and other rare earths. Because it was impossible to determine the amount of yardage of gravel mined to produce this concentrate the exact amount of monazite per yard could not be ascertained. However, it was estimated from this sampling that the quantity of monazite was approximately 4 1/4 pounds per cubic yard.

In September and October, 1950, Mr. Cullen dug approximately six shallow test holes along West Warrior Creek on West Warrior Claim No. 1. These holes were only of a depth of four to five feet because he could not go below the water level. The material taken from these holes was not magnetically concentrated, but Mr. Cullen determined from this testing the presence of monazite in substantial and commercial quantities.

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Oil and grease		50.00
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1404 Franklin Street,
Oakland, California

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Drilling from thirty to forty-five test holes at the rate of one hole every two days or better, eighty days.

Total - Ninety days.

The first month after the project is approved will be spent in repairing the road and the structures, and drilling from six to eleven test holes.

All materials and supplies must be purchased during this month, and it is estimated that the expenditures during this time will be approximately $9,000.00.

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If the drilling can be accomplished more rapidly than appears from the above estimates, this exploratory project can be completed earlier; however, in no event should the total project require in excess of ninety days from the approval thereof.

The estimated costs of this project, as contained in this application, were determined to assure that the labor, equipment, supplies and material could be obtained within the total estimated costs. However, it is hoped that many items can be acquired more economically and, if so, the total cost of the project will be reduced to that extent.

6/5/51

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No. DMA1356 X

Commodity Monazite

Total Amount $15,261.50

Govt. Participation 90%

1. Name and Address of Applicant Stephenson - Laughlin & Co
1404 Franklin St. Oakland 12, Cal

2. Location of Property Elmore County Idaho
Black Warrior Mining District.

3. Mineral or metal _____ Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery—based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good _____

b) Poor No data. (Judgment mark)

c) None _____

d) Don't know—needs field examination _____

e) Is there an alternative and favorable project? _____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated? Apparently
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached? Yes

Does the lease have sufficient time to run to cover a future productive period? ?

*question numbers are those of MF-103

7. Are subordination agreements necessary?_____

   a) MF-201?_____

   b) MF-202_____

8. From the data presented, does the proposed project appear feasible from the point of view of:

   a) Available manpower_____

   b) Equipment and supplies_____
      (Question 14 plus general knowledge of availability)*

   c) Accessibility (question 12)*_____

   d) Water (question 13)*_____

   e) Power (question 13)*_____

   Is a field check needed on any of these points?_____

9. Does the experience of the applicant appear to be adequate to assure that he can properly conduct the proposed project? (question 4)*_____

   _____

   Is a field check needed on this point?_____

10. Exhibit A. (questions 21 and 22)*

   a) Is the project adequately described?_____

      If not, are there sufficient data given so that you can describe the project?_____ If so, attach a draft.

   b) Is there an adequate map or sketch of the proposed work?_____

      _____

   c) Is the proposed work "exploration" under the definition of Section 8, MO-5?_____

      If not, what part of it is?_____

      _____

      _____

      _____

Is this part a worthwhile exploration project?_____

d) Are the cost estimates detailed?_____

Can they be summarized, as on page 2 of Procedural Instruction 5-A, from the available data?_____ If so, attach a draft.

e) Are the cost estimates reasonable?_____

f) Should more information be requested from applicant?_____

g) Is a field examination necessary to complete Exhibit A?_____

11. Exhibit B (question 23-d)*

a) Is it applicable?_____

b) If so, are sufficient data furnished?_____ If so, attach a draft.

c) Is a field check needed?_____

12. Exhibit C (question 23-e, f and g)*

a) Is it applicable?_____

b) Sufficient data?_____ If so, attach a draft.

c) Are rents and charges reasonable?_____

d) Is a field check needed?_____ _____

13. Exhibit D (question 23-a, b)*

a) Are there sufficient data?_____

b) Is the schedule adequate for the work proposed?_____

c) Is the schedule excessive for the work proposed?_____

d) Are the proposed wages and salaries reasonable?_____

e) Is a field check needed?_____

Other pages do not seem applicable

14. Exhibit E (question 23-c)*

a) Is it applicable? _____

b) Sufficient data? _____

c) Reasonable? _____

d) Field check needed? _____

15. In your judgment, can the proposed work be done in the proposed time? _____

(All exploration must be completed within two years)

16. If field examination is not needed, attach your recommendation.

17. If field examination is needed, do you have any special instructions for the field team not indicated by your answers to the foregoing question? - Field team should examine presumably SM1B. - Approximate yardage and monaghs content per cu. yd. Prel. eqm. should and could be made first for much less than $5,000! Location of area not too favorable.

Reviewed by: [illegible]
Chief SMB
By [illegible]

Date 6/19/57

97692

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 1256X

Date received 5-29-51

Participation

Stephenson-Leydecker & Co.,
a corporation
1404 Franklin Street
Oakland 12, California

Name and address of applicant

Date May 26, 1951

FILL IN THIS BLOCK

Date of application May 26, 1951

Estimated cost $15,261.50

Mineral or metal Monazite

Percentage of Government participation 90%

Location of mine T. 6 N., R. 10 E., B. M., Black Warrior Mining District, Elmore County, Idaho

Date of filing MF-100 none

DMA Docket Number, if available 1256X ~~none~~

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? Corporation

*2. If a partnership, state names and addresses of partners. Not applicable

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See Sheet No. 3

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See Sheet No. 4

*5. Are you the owner or the lessee of the property? Lessee - Optionee

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. See Sheet No. 7; 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.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement. See Sheet No. 8

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)? $1600.00, plus necessary working capital. Amount is sufficient to pay applicant's part of cost.

*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 Sheet No. 10 (See
(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. Sheet No.10

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. See Sheet No. 11

*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 Sheet No. 12

*13. State source and quantity of water available for operations and its sufficiency at all seasons. State amount of power to be used, rate per hour or other cost, and source. See Sheet No. 13

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See Sheet No. 14

15. State in detail how the ore could be shipped and how and where milled. See Sheet No. 15

*16. History: See Sheet No. 16

(*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: Not in 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 Sheet No. 18

(*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. None

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Monazite and other rare earths

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Sheet No. 21

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. See Sheet No. 22

THE REQUIREMENTS AND COSTS

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: See Sheet No. 23

(*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. See Sheet No. 24

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.

Stephenson-Leydecker & Co.
(Name of company)

By [signature]
(Signature of authorized official)

(Date)

(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

OFFICERS

W. S. Rutledge, President	909 Paramount Road Oakland, Calif.
D. C. Rathbun, Vice-President	687 Haddon Road Oakland, Calif.
Bernard S. Fontaine, Vice-President	3932 N. Peardale Road Lafayette, Calif.
B. C. Steet, Secretary-Treasurer	Dolores Drive Lafayette, Calif.
Jay C. Rutledge, Assistant-Secretary	909 Paramount Road Oakland, Calif.

DIRECTORS

W. S. Rutledge

D. C. Rathbun

B. C. Steet

STOCKHOLDERS

W. S. Rutledge

B. C. Steet

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 3

Attest B. C. Steet
Secretary

(a) The applicant has not as a corporate entity previously engaged in the mining business. It has been successfully engaging in the investment banking and securities business in Oakland, California, for a period of twenty-five years.

(b) The supervisor and anager of the exploration project will be Harold E. Cullen, P.O. Box 1073, Boise, Idaho. Mr. Cullen is a graduate mechanical engineer, and has had nine years' experience in the hydraulic operation of the Black Warrior Mine in Elmore County, Idaho. He was also supervisor of a placer dredge operation for approximately four years in the Boise Basin country in Boise County, Idaho. Walter Johnson of Walter Johnson & Company, 351 California Street, San Francisco, California, a nationally known engineer of mines, will act in an advisory capacity on this exploration project.

OPTION

THIS AGREEMENT, Made and entered into this 16th day of May, 1951, between HAROLD E. CULLEN (herein called the "Optionor"), and STEPHENSON LEYDECKER & CO., a corporation duly created, organized and existing under and by virtue of the laws of the State of Nevada, and having an o ffice at 1404 Franklin Street, Oakland, California (herein called "Optionee"),

For and in consideration of the payment of $100.00 by the Optionee to the Optionor, the receipt whereof is hereby acknowledged, and the covenants, stipulations and agreements hereinafter set forth,

IT IS AGREED by and between the parties hereto as follows:

OPTIONOR AGREES:

1. That the Optionee shall have the right to enter upon and test the grounds of the Black Warrior Mine, located in the Black Warrior Mining District, in Elmore County, Idaho, in any way they see fit, either by drilling or test-pitting or both, up to August 1, 1951.

2. In the event the said testing proves satisfactory to Optionee in gold or m onazite, or either or otherwise, and Optionee desires to acquire a one-half (1/2) undivided interest in and to the said property upon receipt in writing from the Optionee to that effect, Optionor agrees to convey one-half (1/2) of all his right, title and inter-

est in and to the said Black Warrior Mine, consisting of ten association group claims comprising 600 acres more or less of placer mining ground, located along Black Warrior Creek and West Warrior Creek in Black Warrior Mining District, Elmore County, Idaho, for the price of Three Thousand Dollars ($3,000.00, which shall be paid to the Optionor in cash, upon the delivery of the deed of one-half (1/2) of the above real property.

OPTIONEE AGREES:

1. To furnish all necessary tools, equipment, machinery and other materials and provisions required to make any tests, at his sole cost and expense.

2. To use its best efforts to complete the said testing on or before August 1, 1951.

IT IS MUTUALLY AGREED:

1. That all the said testing, road and building repair work and other work performed during the said testing period between June 1st and August 1, 1951 shall be done for and on behalf of the said Optionor and be regarded as assessment work upon the said Mining claims and that the proof of the same shall be filed of record, as required by law, in the Recorder's Office of Elmore County, Idaho.

2. Optionor shall have access at all times to and shall be furnished with full and complete log of all tests and drilling operations for both gold and monazite and other minerals, as the said testing pro-

ceeds.

3. That on August 1, 1951, if the said Optionee has not notified the said Optionor of his intention to exercise this option, then and in that event, this agreement shall become null and void and said Optionee shall have no further right, title or interest in or to the said mining property or any part or parcel thereof, save and except that it shall have the right to remove the machinery and equipment which it has brought upon said mining property to make the said tests.

IN WITNESS WHEREOF, the Optionee has signed this Option, by its Vice President thereunto duly authorized, and has caused its corporate seal to be hereunto annexed, attested by its Secretary, and the Optionor has hereunto set his hand and seal the day and year first above written.

STEPHENSON LEYDECKER & CO.

By D. C. Rathbun
Vice President

Attest:

B. C. Steet
Secretary

Harold E. Cullen
Harold E. Cullen

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

BALANCE SHEET - NOVEMBER 30, 1950.

ASSETS

CURRENT ASSETS:			
Cash in banks		$ 54,760.66	
Securities owned - priced at market value (XXXXXXXXX) -			
Stocks	$ 55,501.00		
Bonds	-	55,501.00	
Accounts receivable -			
Customers	$ 9,388.45		
Dealers	28,762.87		
Officers, employees and affiliated companies	1,397.38	39,548.70	$149,810.36
Cash surrender value of life insurance policy			5,225.54
FIXED ASSETS:			
Furniture and fixtures		$ 7,800.50	
Automobile		2,222.59	
		$ 10,023.09	
Less - Reserve for depreciation		5,749.21	4,273.88
DEFERRED CHARGES:			
Unexpired insurance premiums		$ 262.79	
Prepaid licenses		310.00	572.79
	Total assets		$159,882.57

LIABILITIES

CURRENT LIABILITIES:			
Accounts payable -			
Customers	$ 33,528.25		
Dealers	14,685.45		
Officers, employees and affiliated companies	1,279.89		
Others	6,543.90	$ 56,037.49	
Notes payable - secured		36,370.00	
Accrued interest payable		166.14	
Payroll taxes payable		357.46	
Withholding tax payable		1,358.72	
Commissions payable		10,772.41	
Federal income tax payable		1,960.07	
	Total liabilities		$ 107,022.29
CAPITAL STOCK:			
Class A - no par value - 60 shares	$ 3,300.00		
Class B - no par value - 6845 shares	21,450.00	$ 24,750.00	
CAPITAL SURPLUS - donated		5,946.00	
EARNED SURPLUS:			
Balance - November 30, 1949 (per previous audit report)	$ 13,240.74		
Net profit for year (XXXXXXXXX)	8,923.54		
Balance - November 30, 1950		$ 22,164.28	$ 52,860.28
	Total liabilities and net worth		$ 159,882.57

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8

Attest _____

INCOME ACCOUNT FOR YEAR ENDED NOVEMBER 30, 1950

Income	$213,451.10
Expense	201,762.49
	11,688.61
Other Deductions	805.00
	10,883.61
Provision for Federal Income Taxes	1,960.07
	8,923.54

Stephenson, Leydecker & Co.
1404 Franklin Street
Oakland, California

Sheet No. 8A

Attest R. L. Leeds
Secretary

(a) The following unpatented placer mining claims, to-wit:

Black Warrior Placer Mining Claims,
Nos. 1 to 6 inclusive;
West Warrior Placer Mining Claims,
Nos. 1 and 2;
Black Warrior Extension Placer Mining
Claims, Nos. 1 and 2;

all situate in Township 6, North of Range 10 East, Boise Meridian, in the Black Warrior Mining District, Elmore County, State of Idaho.

(b) Same as (a) supra.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This property is now known, and has been known ever since its location in approximately 1903, as the Black Warrior Mine.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

This mining property is located in Elmore County, State of Idaho, approximately 11 miles west from Atlanta, Idaho, a small mining town. The nearest railroad and shipping point is Boise, Idaho, approximately 78 miles southwest from the property. One end of the property adjoins the Boise-Atlanta highway, which is an improved mountain road ordinarily in good passable condition, excepting that it is occasionally blocked by snow during the winter months for short periods of time.

The distance from the main road up to the mining camp is approximately 4 miles. This road is at the present time in poor condition, and will need some repair in order to get the main supplies and equipment into the mining camp.

The volume of water in Black Warrior Creek, which runs through this mining property, is equal to 24,000 gpm at the low water period in late July and August; at high water the flow is approximately 60,000 gpm. There is more than sufficient water the year round for continuous mining operations on this property.

There is no power utility service available. For electric power, a diesel unit would have to be used. The power for the exploratory project necessary to operate the drilling rig will be by gasoline engine.

There are five buildings located at the mining camp on this property, all of which need new roofing felt and other repairs.

It is contemplated for this exploratory project that two of these buildings will be repaired for housing accommodations and other purposes.

The monazite and other rare earths will be partially concentrated on the dredge by the use of jigs. These concentrates will be shipped by truck to a magnetic separator plant operating in Boise, Idaho for the balance of the concentration. After such concentration these mineral products will then be in condition for shipment.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

(a) Prior to 1925 there were occasional small ground sluicing operations on this property.

From 1925 to 1930 the Trinidad Mining Corporation of Las Vages, Nevada, intermittently conducted a large hydraulic operation, during which approximately 40,000 cubic yards on a high bar were worked. The reason for the suspension of this operation was mismanagement and internal legal difficulties between the operators and stockholders.

From 1935 to 1941, inclusive, the present owners conducted intermittent hydraulic and ground cluicing operations on this property, and also did extensive exploration work and testing. This operation was suspended because of war conditions.

The records of this operation and of the exploring and testing of the property were stolen from the office in the headquarter's camp in the winter of 1948-1949.

The above information is according to our best knowledge and belief.

(b) The Overlook Mining and Milling property adjoins this property approximately 8 miles up stream from the mouth of Black Warrior Creek. This property was a successful producer up to 1925. The reasons for its suspension of operations are not known.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

(c) A complete Engineer's Report on this property was made in 1934 by Francis R. Chapman, E.M. of Los Angeles, California, who recommended the installation of a drag line type dredge, and estimated 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel. In addition to a favorable report on gold content Mr. Chapman also reported the presence of monazite. We are advised that Mr. Chapman died in 1942, and the availability of his records is unknown.

In the summer of 1937 this property was surveyed by the United States Deputy Mineral Surveyors, and amended location notices were filed on this property. The Surveyors estimate of mineable yardage coincided with that of Mr. Chapman. All of these records and reports were among those stolen, as hereinabove mentioned.

This information is to the best of our knowledge and belief.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

(a) Mr. Chapman's report referred to in the answer to question 16, supra, showed 5,000,000 cubic yards of dredgable gravel and 2,000,000 cubic yards of hydraulic gravel, with a satisfactory gold content and the presence of monazite.

(b) See Map of property attached hereto.

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California.

The proposed work includes the repair of the road from the main Boise-Atlanta highway to the mining camp, of which approximately one ile needs extensive renovation. Two of the buildings at the camp must be renovated and repaired to make available housing facilities for the workmen and other purposes.

It is planned to drill from thirty to forty-five test holes to bedrock, which is estimated will require an average depth of twenty-five feet. This drilling exploration is planned to cover all of the above mentioned mining claims, excepting Black Warrior Extension Nos. 1 and 2. It is estimated that the time required to complete this exploration project is from sixty to ninety days.

As mentioned in answer to question 16, supra, Mr. Francis R. Chapman, E. M., reported the presence of monazite in the minable gravels on this property. Also as mentioned above, this report was stolen, and copies thereof are not available to applicant.

In 1941, when the operation was under the supervision of Mr. Harold E. Cullen, material was removed from a large pit located on Black Warrior Claim No. 5, the gold removed, and the other material concentrated by sluice boxes. In 1949 this material was taken to the magnetic separator plant of Rare Earths, Incorporated, at McCall, Idaho, and further concentrated. It was found to contain substantial quantities of monazite and other rare earths. Because it was impossible to determine the amount of yardage of gravel mined to produce this concentrate the exact amount of monazite per yard could not be ascertained. However, it was estimated from this sampling that the quantity of monazite was approximately 4 1/4 pounds per cubic yard.

In September and October, 1950, Mr. Cullen dug approximately six shallow test holes along West Warrior Creek on West Warrior Claim No. 1. These holes were only of a depth of four to five feet because he could not go below the water level. The material taken from these holes was not magnetically concentrated, but Mr. Cullen determined from this testing the presence of monazite in substantial and commercial quantities.

(a)	1 Head driller @ $16.00 per day, 76 working days	$1,216.00
	3 Driller helpers @ $12.00 per day, 76 working days	2,736.00
	1 Panner @ $16.00 per day, 76 working days	1,216.00
	1 Cook @ $250.00 per month, 3 months	750.00
	Total	$5,518.00
(b)	1 Supervisor @ $500.00 per month, 3 months	1,500.00
(c)	Materials to repair two buildings	750.00
(d)	None	
(e)	Stove	100.00
(f)	1 Bulldozer @ $100.00 per day, 6 days	600.00
	1 Drill rig complete @ $750.00 per month, 3 months	2,250.00
	1 Pickup truck @ $150.00 per month, 3 months	450.00
		3,300.00
(g)	None	
(h)	Kitchenware	100.00
	7 Beds @ $20.00 each	140.00
	Bedding for 7 beds	70.00
	1 Table	15.00
	8 Chairs @ $5.00 each	40.00
	Tableware	25.00
	4 Picks @ $3.50 each	14.00
	4 Shovels @ $2.50 each	10.00
	2 Crowbars @ $4.00 each	8.00
	1 Crosscut saw	4.50
	1 Rip saw	4.50
	1 Buck saw	4.50
	1 Crosscut large saw	10.00
	2 36" Prybars @ $1.00 each	2.00
	2 Hammers @ $1.50 each	3.00
	1 Hatchet	2.00
	2 Woodsmen axes @ $3.50 each	7.00
	6 Assorted files @ $1.30 each	5.00
	Nails	10.00

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California

150' 3" galvanized pipe		135.00
1 Square		1.50
1 Jack plane		5.00
2 14" pipe wrenches @ $2.50 each		5.00
2 14" monkey wrenches @ $1.50 each		3.00
2 5-ton jacks @ $8.00 each		16.00
3 Chisels @ $1.00 each		3.00
1 8 lb. maul		2.00
1 Brace and bits		3.00
6 Assorted metal drills @ $.50 each		3.00
1 Level		2.60
200' 1" rope		25.00
2 Blocks @ $7.00 each		14.00
1500 gal. gasoline @ $.30		450.00
3 Gas lanterns @ $12.00 each		36.00
Oil and grease		50.00
Miscellaneous materials and supplies		500.00
	Total	1,728.50
(i) Board for 7 men for 90 days @ $2.50 per man per day		1,575.00
Workman's Compensation Insurance		280.00
Liability Insurance		110.00
	Total	1,965.00
	Grand Total	$15,261.50

Stephenson Leydecker & Co.
1404 Franklin Street,
Oakland, California

Repair and reconditioning of road, five days.

Renovation and repair of buildings and oving into camp, five days.

Drilling from thirty to forty-five test holes at the rate of one hole every two days or better, eighty days.

Total - Ninety days.

The first month after the project is approved will be spent in repairing the road and the structures, and drilling from six to eleven test holes.

All materials and supplies must be purchased during this month, and it is estimated that the expenditures during this time will be approximately $9,000.00.

The second month will be devoted to drilling from twelve to seventeen test holes, and the total estimated expenditures for this month is $3,000.00.

The third month will be devoted to drilling from twelve to seventeen test holes, and the total estimated expenditures for this month is $3,000.00.

If the drilling can be accomplished more rapidly than appears from the above estimates, this exploratory project can be completed earlier; however, in no event should the total project require in excess of ninety days from the approval thereof.

The estimated costs of this project, as contained in this application, were determined to assure that the labor, equipment, supplies and material could be obtained within the total estimated costs. However, it is hoped that many items can be acquired more economically and, if so, the total cost of the project will be reduced to that extent.

File Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
No. 157 Howard Street
Spokane 8, Washington

May 26, 1951

Air Mail

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAY 31 1951
LANDON F. STROBEL
Executive Secretary

Mr. L. F. Strobel
Executive Secretary
Defense Minerals Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Strobel:

Mr. W. F. Dallam, representing the Stephenson-Leydecker & Co., 1404 Franklin Street, Oakland 12, California, was in to see me concerning an exploration application for a monazite project on Black Warrior Creek, Black Warrior Mining district, Elmore County, Idaho. The application is for testing of monazite placers and involves a total expenditure of $15,261.50. Mr. Dallam had a copy of the application which his company is submitting. The application itself is being submitted directly to you from the company's Oakland, California office.

According to the application, monazite is known to be present in the Black Warrior district, but the amount of monazite and the placers and the distribution of the monazite-bearing ground is not sufficiently established to permit dredging to begin. We have no personal knowledge of the property, but Mr. Crawford (?) of the Bureau of Mines Thorium group is reported to know something of the property. The application has obviously been carefully and completely prepared, the applicant's proposal to test the ground before going ahead with mining is certainly on the right track, and the exploration program proposed appears to be a reasonable one and worthy of serious attention.

Sincerely yours,

A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

cc: Velin, U.S.B.M.
Shelton, U.S.B.M.
Kline, U.S.B.M.

MAY 31 1991

Catherine:

Note file copy (yellow copy) to keep in our files —

Elaine.

EXHIBIT "B"

No additional facilities, such as buildings, are to be purchased, installed or erected. Two existing buildings are to be renovated and repaired.

EXHIBIT "C"

Operating Equipment to be Rented

1 Bulldozer @ $100 per day, 6 days	$ 600.00
1 Drill rig complete @ $750 per month, 3 months	2,250.00
1 Pickup truck @ $150 per month, 3 months	450.00

Materials and Supplies to be Purchased

Materials to repair 2 buildings	$ 750.00
Stove	100.00
Kitchenware	100.00
7 Beds @ $20 each	140.00
Bedding for 7 beds	70.00
1 Table	15.00
8 Chairs @ $5 each	40.00
Tableware	25.00
4 Picks @ $3.50 each	14.00
4 Shovels @ $2.50 each	10.00
2 Crowbars @ $4.00 each	8.00
1 Crosscut saw	4.50
1 Rip saw	4.50
1 Buck saw	4.50
1 Crosscut large saw	10.00
2 36" prybars @ $1 each	2.00
2 Hammers @ $1.50 each	3.00
1 Hatchet	2.00

2 Woodsmen axes @ $3.50 each	$ 7.00
6 Assorted files @ $1.30 each	5.00
Nails	10.00
150' 3" Galvanized pipe	135.00
1 Square	1.50
1 Jack plane	5.00
2 14" pipe wrenches @ $2.50 each	5.00
2 14" Monkey wrenches @ $1.50 each	3.00
2 5-ton Jacks @ $8 each	16.00
3 Chisels @ $1.00 each	3.00
1 8 lb. Maul	2.00
1 Brace and bits	3.00
6 Assorted metal drills @ 50¢ each	3.00
1 Level	2.50
200' 1" rope	25.00
2 Blocks @ $7 each	14.00
1500 gal. Gasoline @ 30¢ per gal.	450.00
3 Gas lanterns @ $12 each	36.00
Oil and grease	50.00
Miscellaneous materials and supplies	500.00
TOTAL	$5,878.50

EXHIBIT "D"

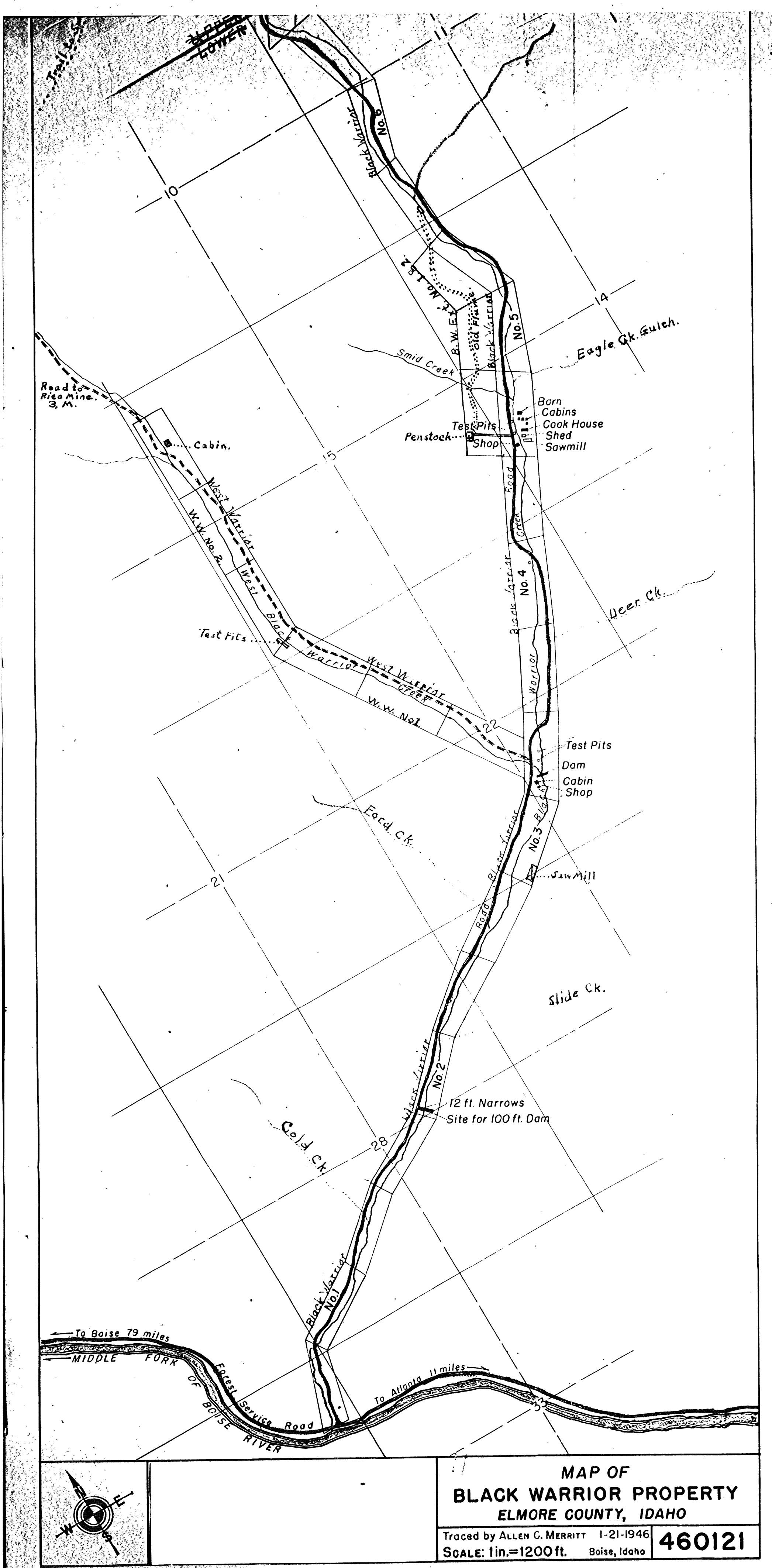
Itemized Schedule of Labor, by Number and Classes, and of Supervisors

1 Head driller @ $16 per day, 76 working days	$1216.00
3 Driller helpers at $12 per day, 76 working days	2736.00
1 Panner @ $16 per day, 76 working days	1216.00
1 Cook @ $250 per month, 3 months	750.00
1 Supervisor @ $500 per month, 3 months	1500.00
TOTAL	$7,418.00

EXHIBIT "E"

Existing Facilities and Buildings

There are five (5) buildings located at the mining camp on this property, all of which need new roofing felt and other repairs. It is contemplated that two (2) of these buildings will be repaired for housing accommodations and other purposes. The estimated cost of such repair is $750.00. A stove will be acquired at an estimated cost of $100.00.



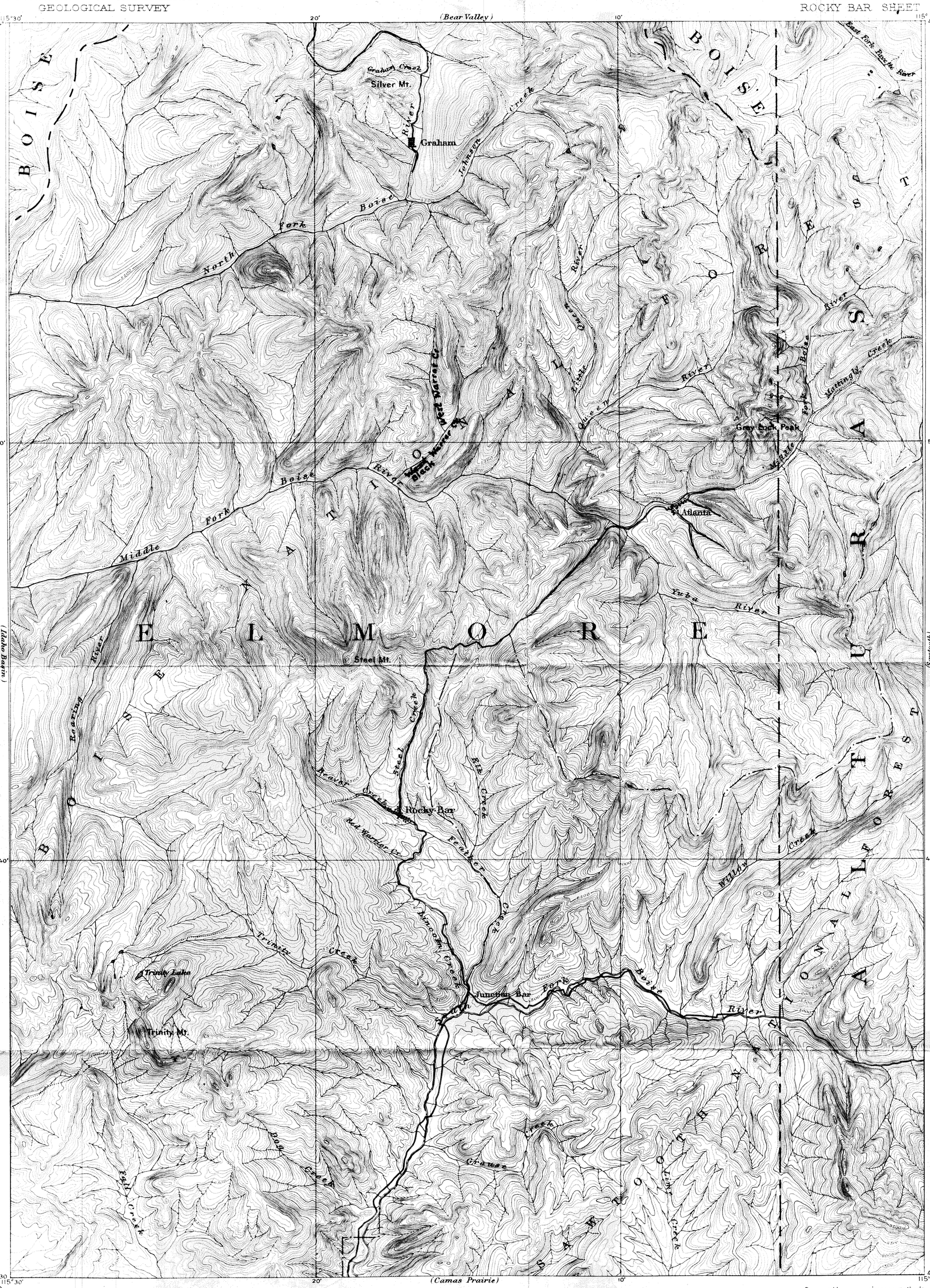
MAP OF
BLACK WARRIOR PROPERTY
ELMORE COUNTY, IDAHO

Traced by ALLEN C. MERRITT 1-21-1946
SCALE: 1 in. = 1200 ft. Boise, Idaho

460121

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IDAHO
ROCKY BAR SHEET



A.H. Thompson, Geographer.
W.T. Griswold, Topographer in charge.
Triangulation by W.T. Griswold.
Topography by E.T. Perkins Jr.
Surveyed in 1891.

Scale $\frac{1}{125000}$

1 ½ 0 1 2 3 4 5 6 7 8 9 Miles

3000 1500 0 3000 6000 9000 12000 Yards

5000 0 5000 10000 15000 20000 25000 Feet

1 0 1 2 3 4 5 6 Kilometers

Contour interval 100 feet

Datum is mean sea level

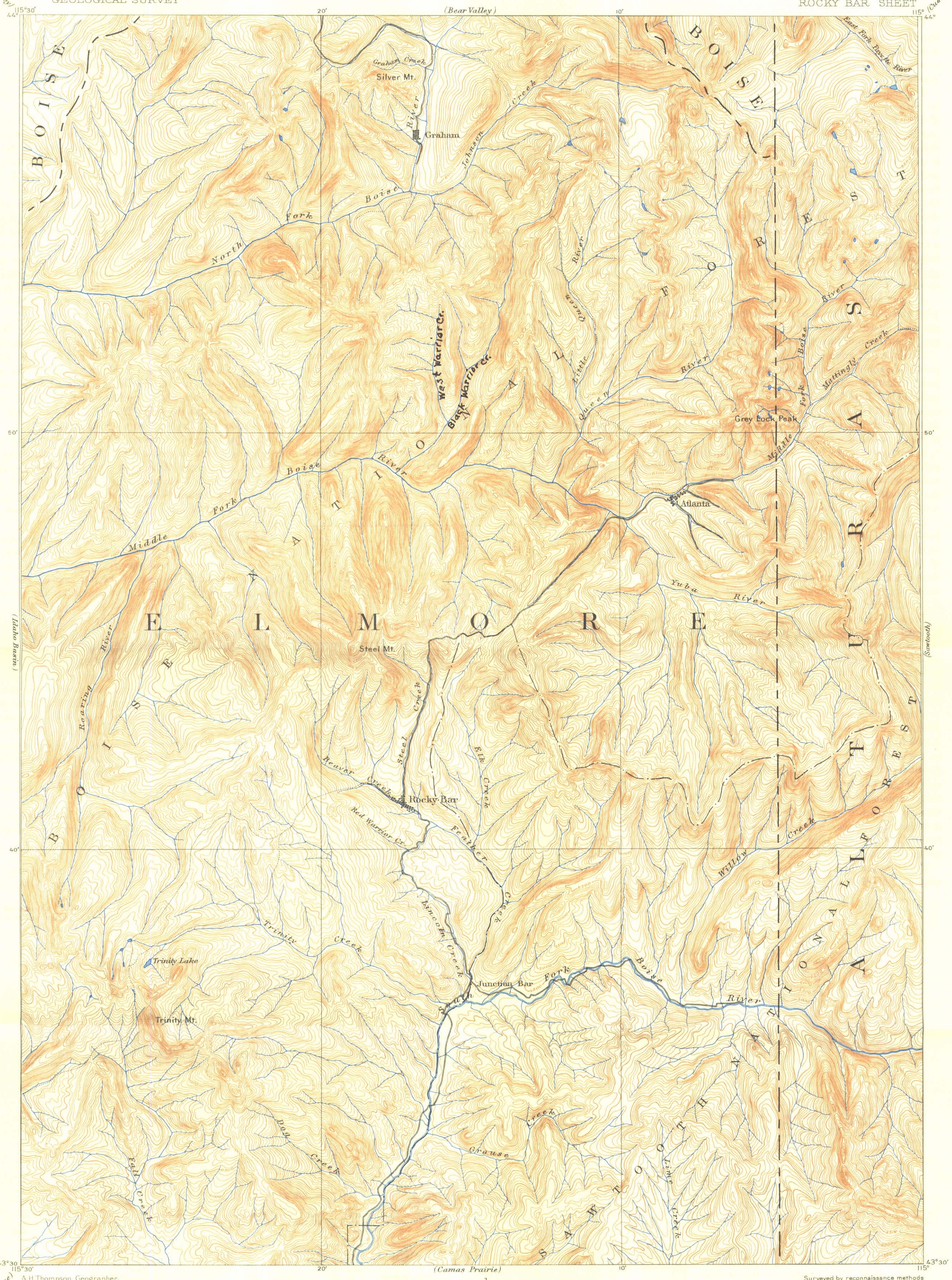
Surveyed by reconnaissance methods
Polyconic projection.

ROCKY BAR, IDAHO.
Edition of 1894,
reprinted 1948.
N 4330-W 11500/30

Sheet No. 22-a

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IDAHO
ROCKY BAR SHEET



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Although some areas are surveyed and some maps are compiled and published on special scales for special purposes, the standard topographic surveys and the resulting maps have for many years been of three types, differentiated as follows:

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The aerial camera is now being used in mapping. From the information recorded on the photographs, planimetric maps, which show only drainage and culture, have been made for some areas in the United States. By the use of stereoscopic plotting apparatus, aerial photographs are utilized also in the making of the regular topographic maps, which show relief as well as drainage and culture.

A topographic survey of Alaska has been in progress since 1898, and nearly 44 percent of its area has now been mapped. About 15 percent of the Territory has been covered by maps on a scale of $\frac{1}{500,000}$ (1 inch = nearly 8 miles). For most of the remainder of the area surveyed the maps published are on a scale of $\frac{1}{250,000}$ (1 inch = nearly 4 miles). For some areas of particular economic importance, covering about 4,300 square miles, the maps published are on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile) or larger. In addition to the area covered by topographic maps, about 11,300 square miles of southeastern Alaska has been covered by planimetric maps on scales of $\frac{1}{125,000}$ and $\frac{1}{250,000}$.

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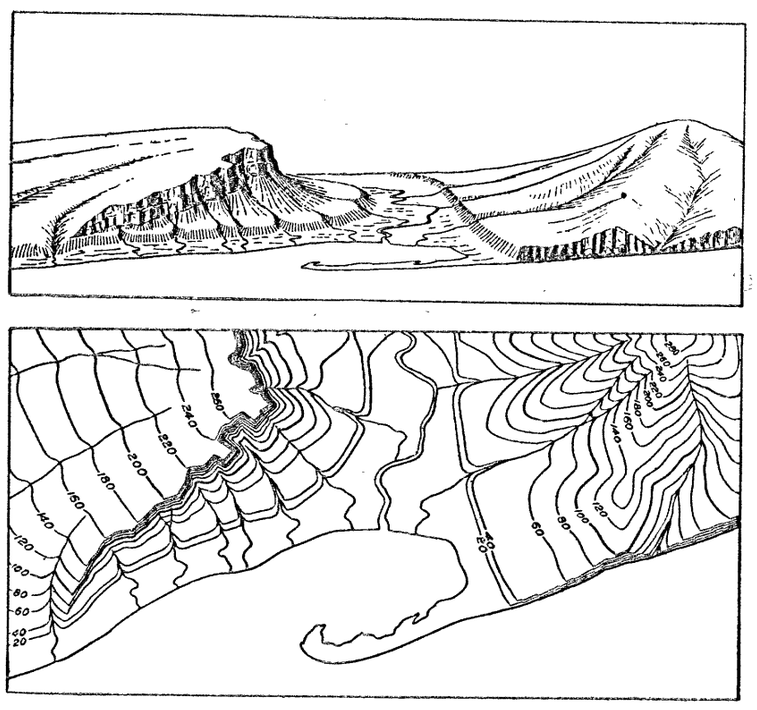
The manner in which contour lines express altitude, form, and grade is shown in the figure below.



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November 1937.

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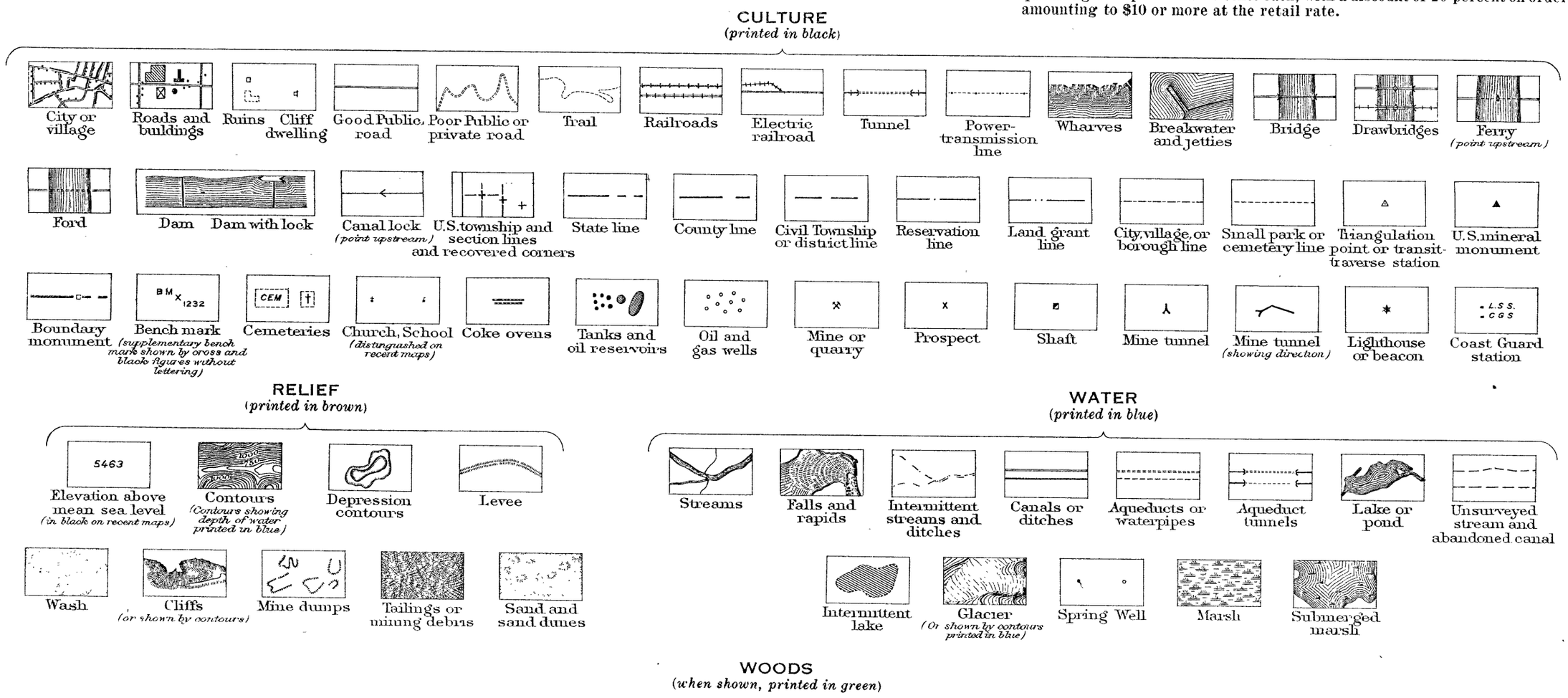
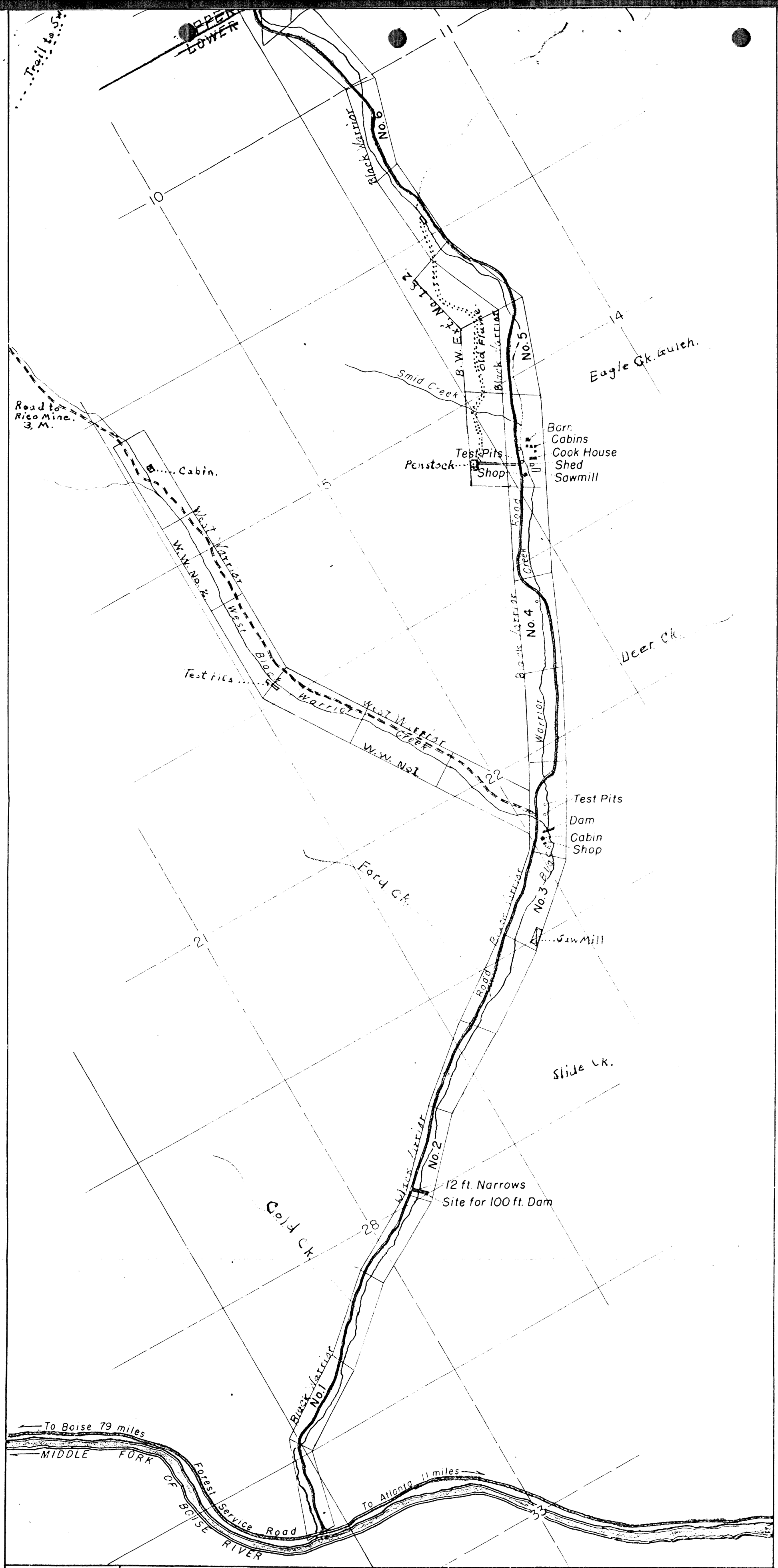


JENSEN-GRAVES COMPANY
210 NO. 8TH ST. BOISE, IDAHO

Sheet No. 22-a



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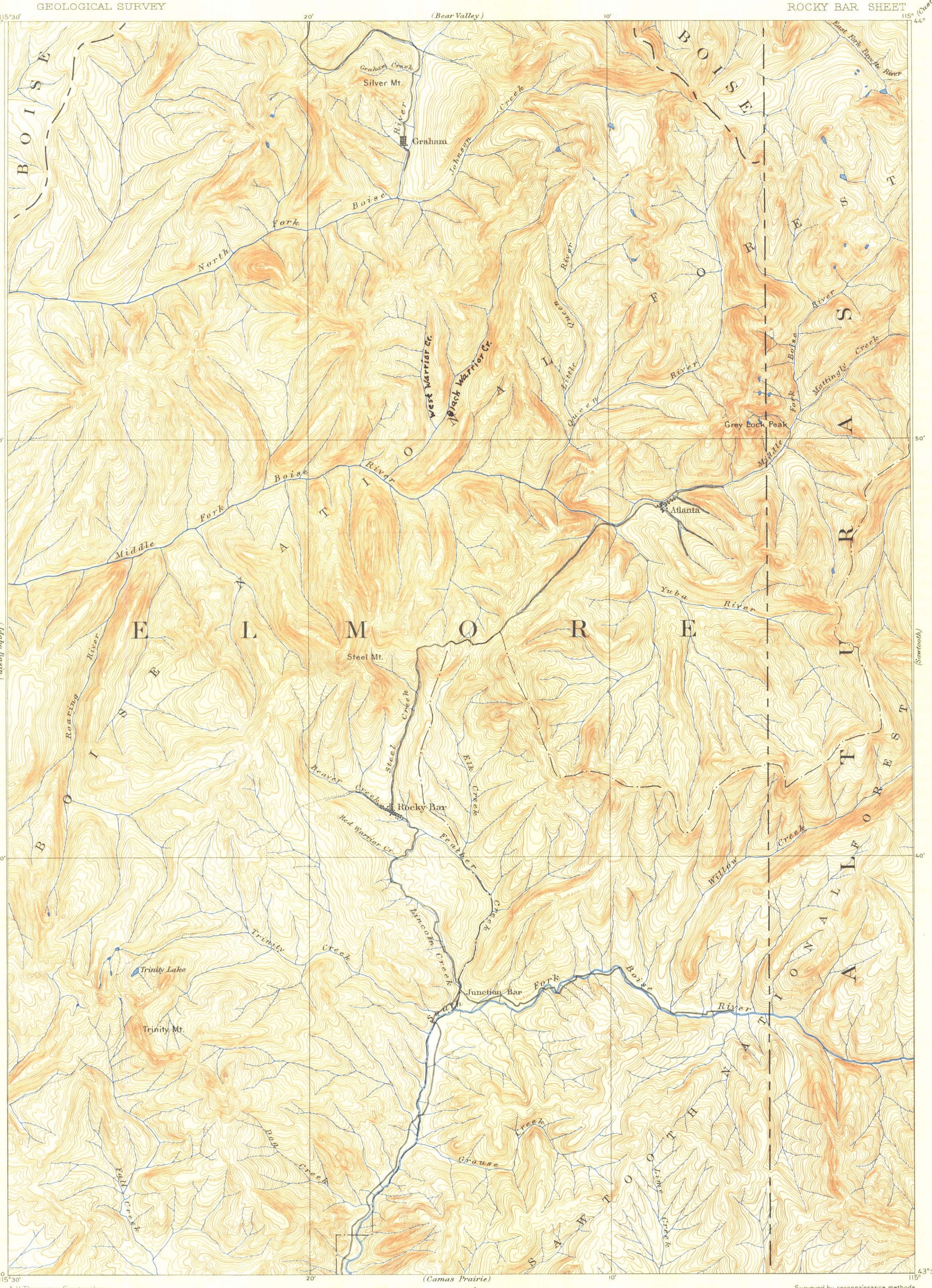

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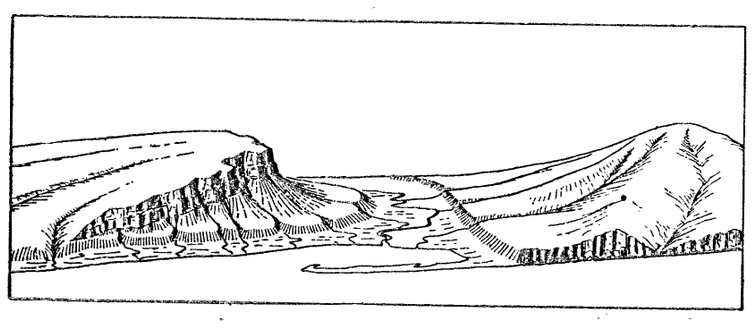

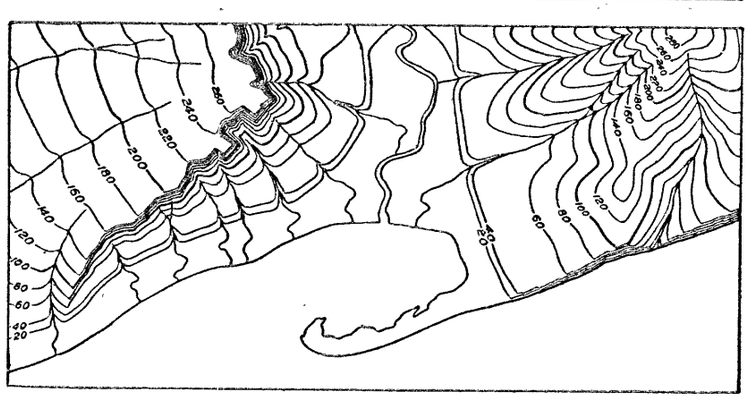

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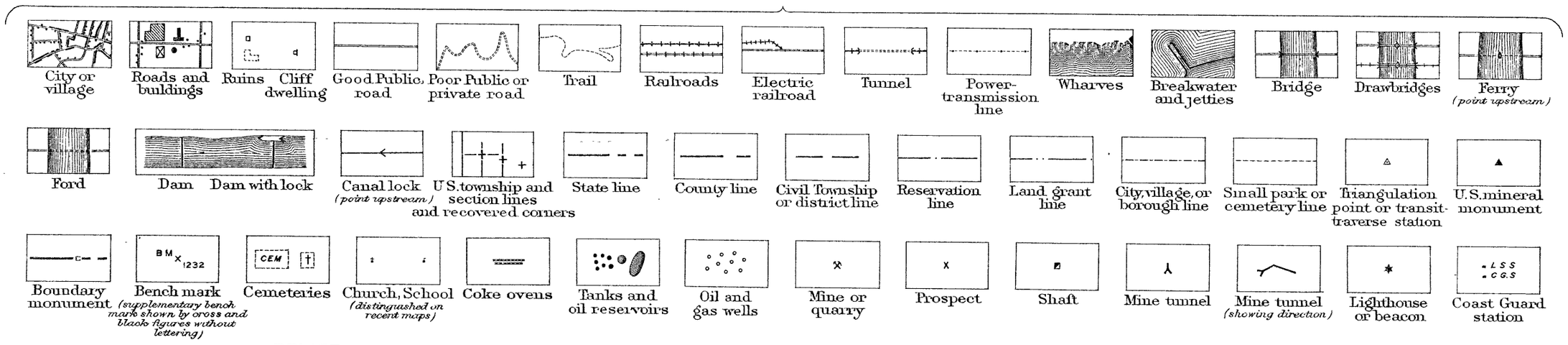
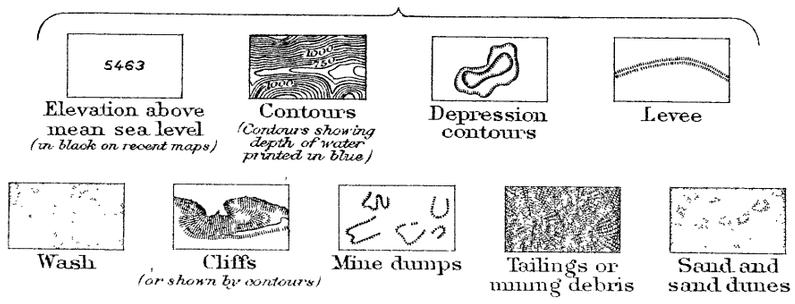
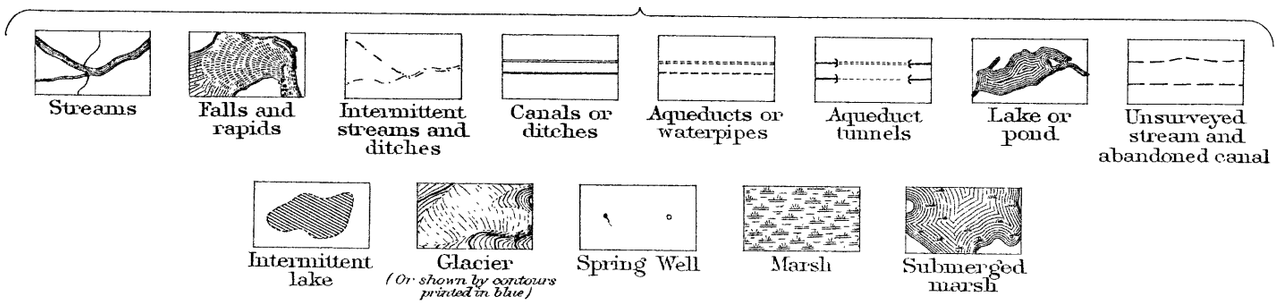
CULTURE
(printed in black)



RELIEF
(printed in brown)



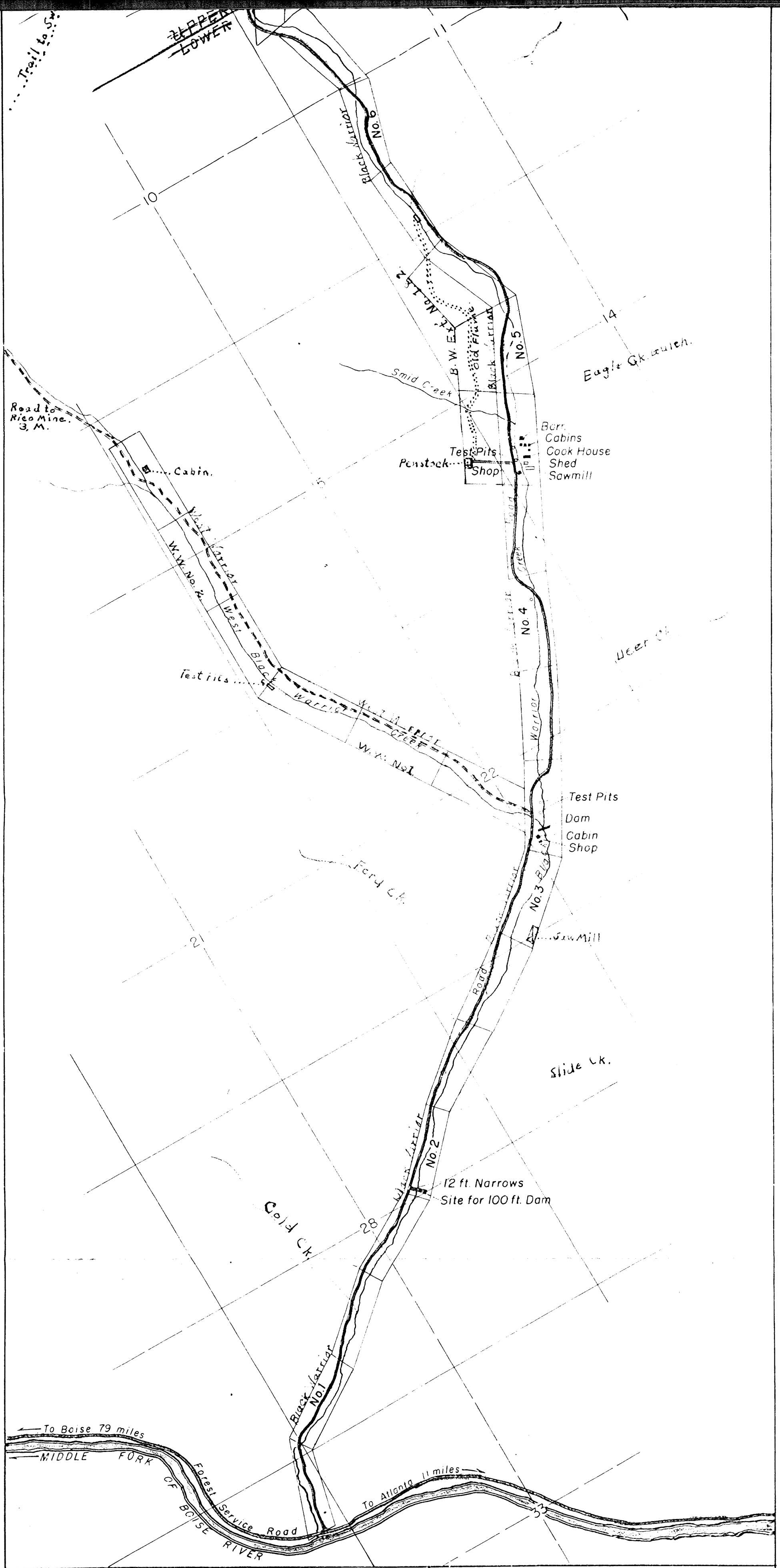
WATER
(printed in blue)



WOODS
(when shown, printed in green)

JENSEN-GRAVES COMPANY
BOISE, IDAHO

Sheet No. 22-a



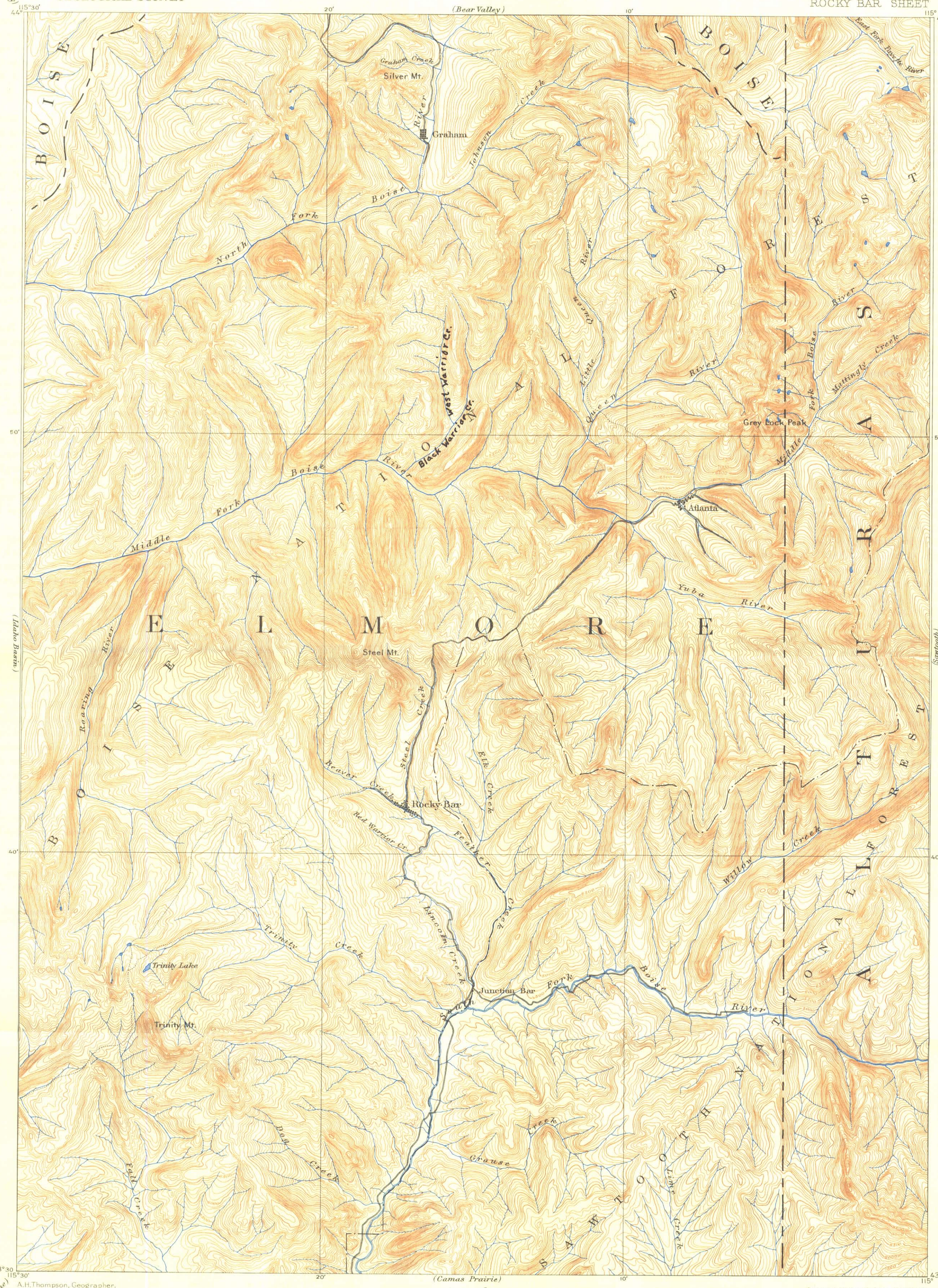
MAP OF
BLACK WARRIOR PROPERTY
ELMORE COUNTY, IDAHO

Traced by ALLEN C. MERRITT 1-21-1946
SCALE: 1 in. = 1200 ft. Boise, Idaho

460121

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

IDAHO
ROCKY BAR SHEET



A.H. Thompson, Geographer.
W.T. Griswold, Topographer in charge.
Triangulation by W.T. Griswold.
Topography by E.T. Perkins Jr.
Surveyed in 1891.

Scale $\frac{1}{125000}$

1 ½ 0 1 2 3 4 5 6 7 8 9 Miles

3000 1500 0 3000 6000 9000 12000 Yards

5000 0 5000 10000 15000 20000 25000 Feet

1 0 1 2 3 4 5 6 Kilometers

Contour interval 100 feet

Datum is mean sea level

Sheet No. 22-a

Surveyed by reconnaissance methods
Polyconic projection.

ROCKY BAR, IDAHO.
Edition of 1894,
reprinted 1948.
N4330-W11500/30

THE TOPOGRAPHIC MAPS OF THE UNITED STATES

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Although some areas are surveyed and some maps are compiled and published on special scales for special purposes, the standard topographic surveys and the resulting maps have for many years been of three types, differentiated as follows:

1. Surveys of areas in which there are problems of great public importance—relating, for example, to mineral development, irrigation, or reclamation of swamp areas—are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{31,680}$ (1 inch = one-half mile) or $\frac{1}{24,000}$ (1 inch = 2,000 feet), with a contour interval of 1 to 100 feet, according to the relief of the particular area mapped.

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The aerial camera is now being used in mapping. From the information recorded on the photographs, planimetric maps, which show only drainage and culture, have been made for some areas in the United States. By the use of stereoscopic plotting apparatus, aerial photographs are utilized also in the making of the regular topographic maps, which show relief as well as drainage and culture.

A topographic survey of Alaska has been in progress since 1898, and nearly 44 percent of its area has now been mapped. About 15 percent of the Territory has been covered by maps on a scale of $\frac{1}{500,000}$ (1 inch = nearly 8 miles). For most of the remainder of the area surveyed the maps published are on a scale of $\frac{1}{250,000}$ (1 inch = nearly 4 miles). For some areas of particular economic importance, covering about 4,300 square miles, the maps published are on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile) or larger. In addition to the area covered by topographic maps, about 11,300 square miles of southeastern Alaska has been covered by planimetric maps on scales of $\frac{1}{125,000}$ and $\frac{1}{250,000}$.

The Hawaiian Islands have been surveyed, and the resulting maps are published on a scale of $\frac{1}{62,500}$.

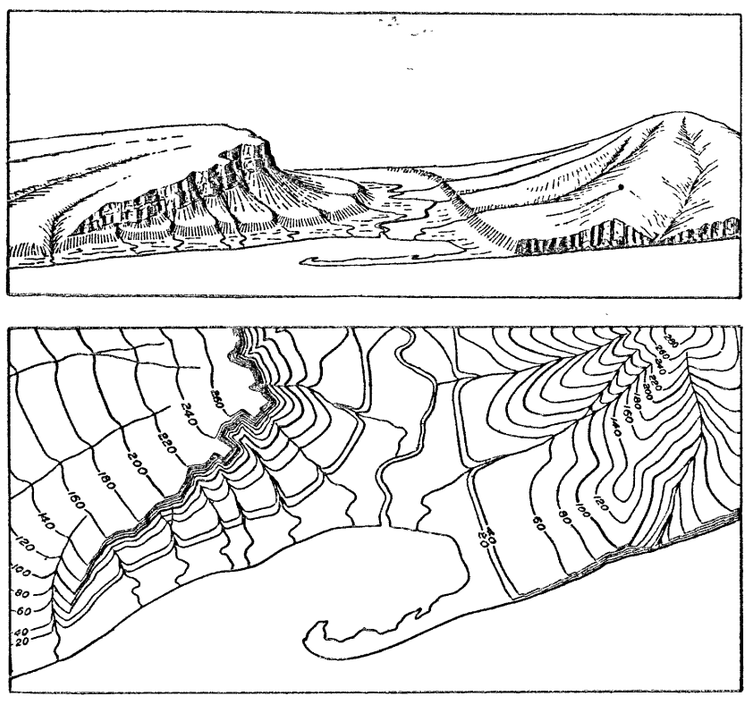
A survey of Puerto Rico is now in progress. The scale of the published maps is $\frac{1}{30,000}$.

The features shown on topographic maps may be arranged in three groups—(1) water, including seas, lakes, rivers, canals, swamps, and other bodies of water; (2) relief, including mountains, hills, valleys, and other features of the land surface; (3) culture (works of man), such as towns, cities, roads, railroads, and boundaries. The symbols used to represent these features are shown and explained below. Variations appear on some earlier maps, and additional features are represented on some special maps.

All the water features are represented in blue, the smaller streams and canals by single blue lines and the larger streams by double lines. The larger streams, lakes, and the sea are accentuated by blue water lining or blue tint. Intermittent streams—those whose beds are dry for a large part of the year—are shown by lines of blue dots and dashes.

Relief is shown by contour lines in brown, which on a few maps are supplemented by shading showing the effect of light thrown from the northwest across the area represented, for the purpose of giving the appearance of relief and thus aiding in the interpretation of the contour lines. A contour line represents an imaginary line on the ground (a contour) every part of which is at the same altitude above sea level. Such a line could be drawn at any altitude, but in practice only the contours at certain regular intervals of altitude are shown. The datum or zero of altitude of the Geological Survey maps is mean sea level. The 20-foot contour would be the shore line if the sea should rise 20 feet above mean sea level. Contour lines show the shape of the hills, mountains, and valleys, as well as their altitude. Successive contour lines that are far apart on the map indicate a gentle slope, lines that are close together indicate a steep slope, and lines that run together indicate a cliff.

The manner in which contour lines express altitude, form, and grade is shown in the figure below.



The sketch represents a river valley that lies between two hills. In the foreground is the sea, with a bay that is partly enclosed by a hooked sand bar. On each side of the valley is a terrace into which small streams have cut narrow gullies. The hill on the right has a rounded summit and gently sloping spurs separated by ravines. The spurs are truncated at their lower ends by a sea cliff. The hill at the left terminates abruptly at the valley in a steep scarp, from which it slopes gradually away and forms an inclined tableland that is traversed by a few shallow gullies. On the map each of these features is represented, directly beneath its position in the sketch, by contour lines.

The contour interval, or the vertical distance in feet between one contour and the next, is stated at the bottom of each map. This interval differs according to the topography of the area mapped: in a flat country it may be as small as 1 foot; in a mountainous region it may be as great as 250 feet. In order that the contours may be read more easily certain contour lines, every fourth or fifth, are made heavier than the others and are accompanied by figures showing altitude. The heights of many points—such as road intersections, summits, surfaces of lakes, and benchmarks—are also given on the map in figures, which show altitudes to the nearest foot only. More precise figures for the altitudes of benchmarks are given in the Geological Survey's bulletins on spirit leveling. The geodetic coordinates of triangulation and transit-traverse stations are also published in bulletins.

Lettering and the works of man are shown in black. Boundaries, such as those of a State, county, city, land grant, township, or reservation, are shown by continuous or broken lines of different kinds and weights. Public roads suitable for motor travel the greater part of the year are shown by solid double lines; poor public roads and private roads by dashed double lines; trails by dashed single lines. Additional public road classification if available is shown by red overprint.

Each quadrangle is designated by the name of a city, town, or prominent natural feature within it, and on the margins of the map are printed the names of adjoining quadrangles of which maps have been published. More than 4,100 quadrangles in the United States have been surveyed, and maps of them similar to the one on the other side of this sheet have been published.

Geologic maps of some of the areas shown on the topographic maps have been published in the form of folios. Each folio includes maps showing the topography, geology, underground structure, and mineral deposits of the area mapped, and several pages of descriptive text. The text explains the maps and describes the topographic and geologic features of the country and its mineral products. Two hundred twenty-five folios have been published.

Index maps of each State and of Alaska and Hawaii showing the areas covered by topographic maps and geologic folios published by the United States Geological Survey may be obtained free. Copies of the standard topographic maps may be obtained for 10 cents each; some special maps are sold at different prices. A discount of 40 percent is allowed on an order amounting to $5 or more at the retail price. The discount is allowed on an order for maps alone, either of one kind or in any assortment, or for maps together with geologic folios. The geologic folios are sold for 25 cents or more each, the price depending on the size of the folio. A circular describing the folios will be sent on request.

Applications for maps or folios should be accompanied by cash, draft, or money order (not postage stamps) and should be addressed to

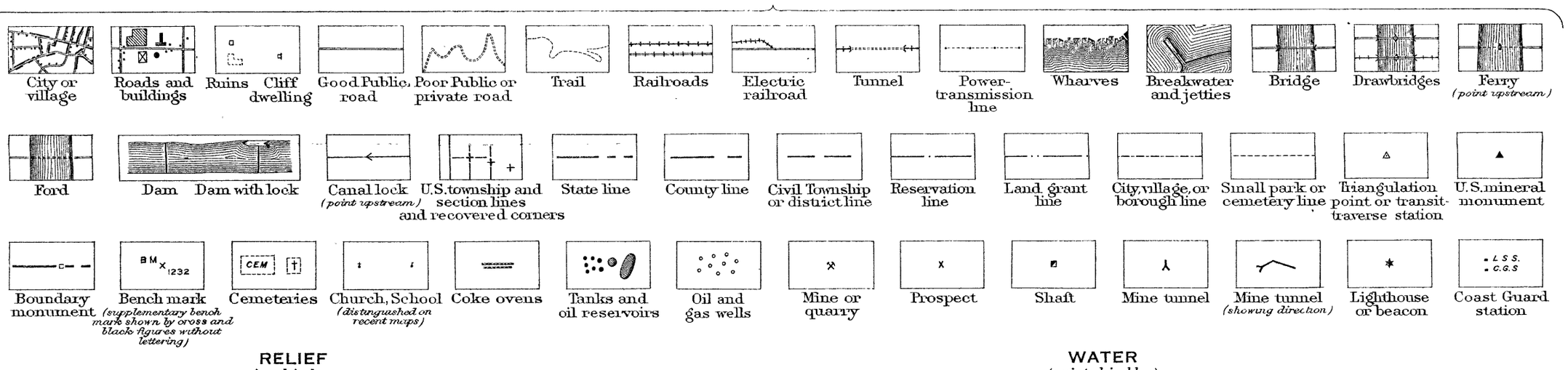
THE DIRECTOR,
United States Geological Survey,
Washington, D. C.

November 1937.

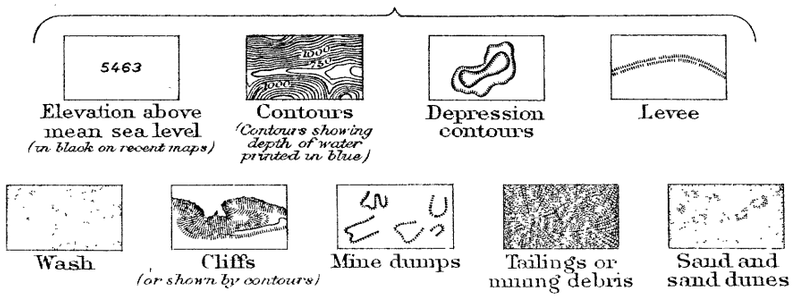
STANDARD SYMBOLS

NOTE:—Effective on and after October 1, 1946, the price of standard topographic quadrangle maps will be 20 cents each, with a discount of 20 percent on orders amounting to $10 or more at the retail rate.

CULTURE
(printed in black)



RELIEF
(printed in brown)



WATER
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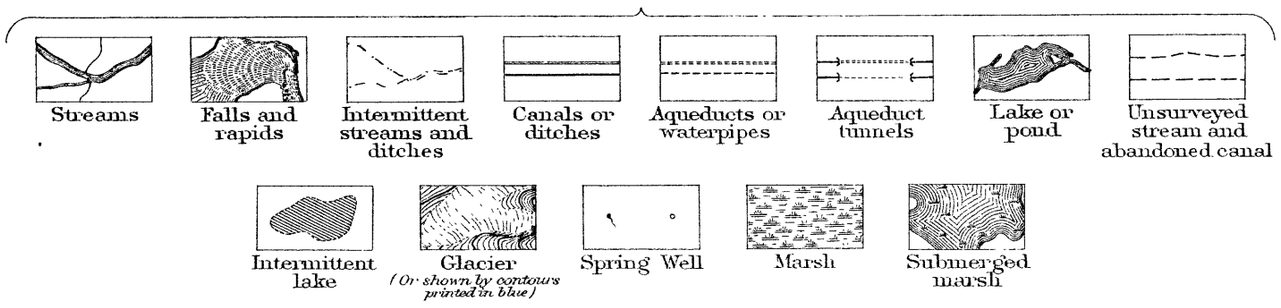
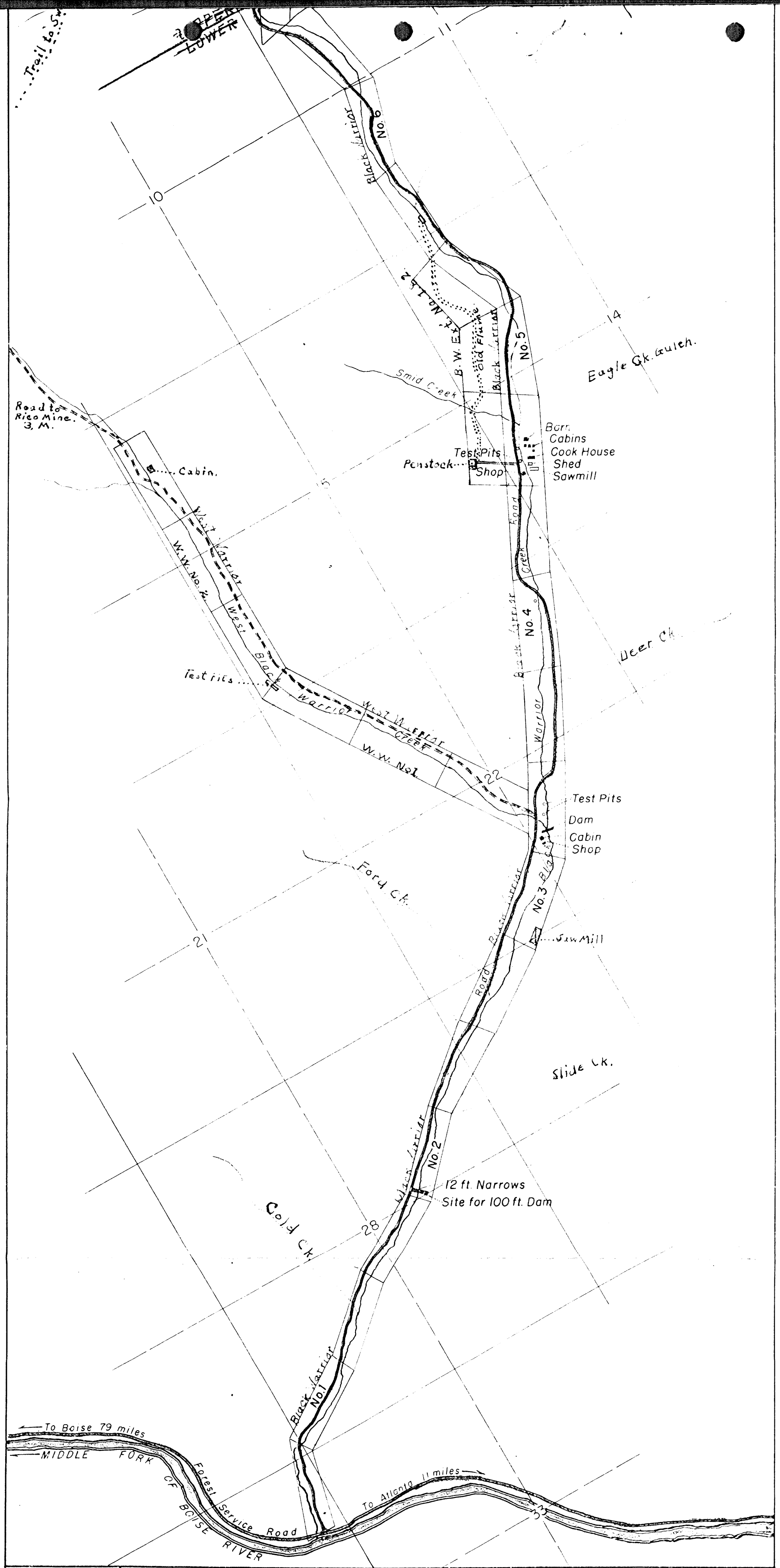


WOODS
(when shown, printed in green)

Sheet No. 22-a

JENSEN-GRAVES COMPANY
210 NO. 8TH ST. BOISE, IDAHO



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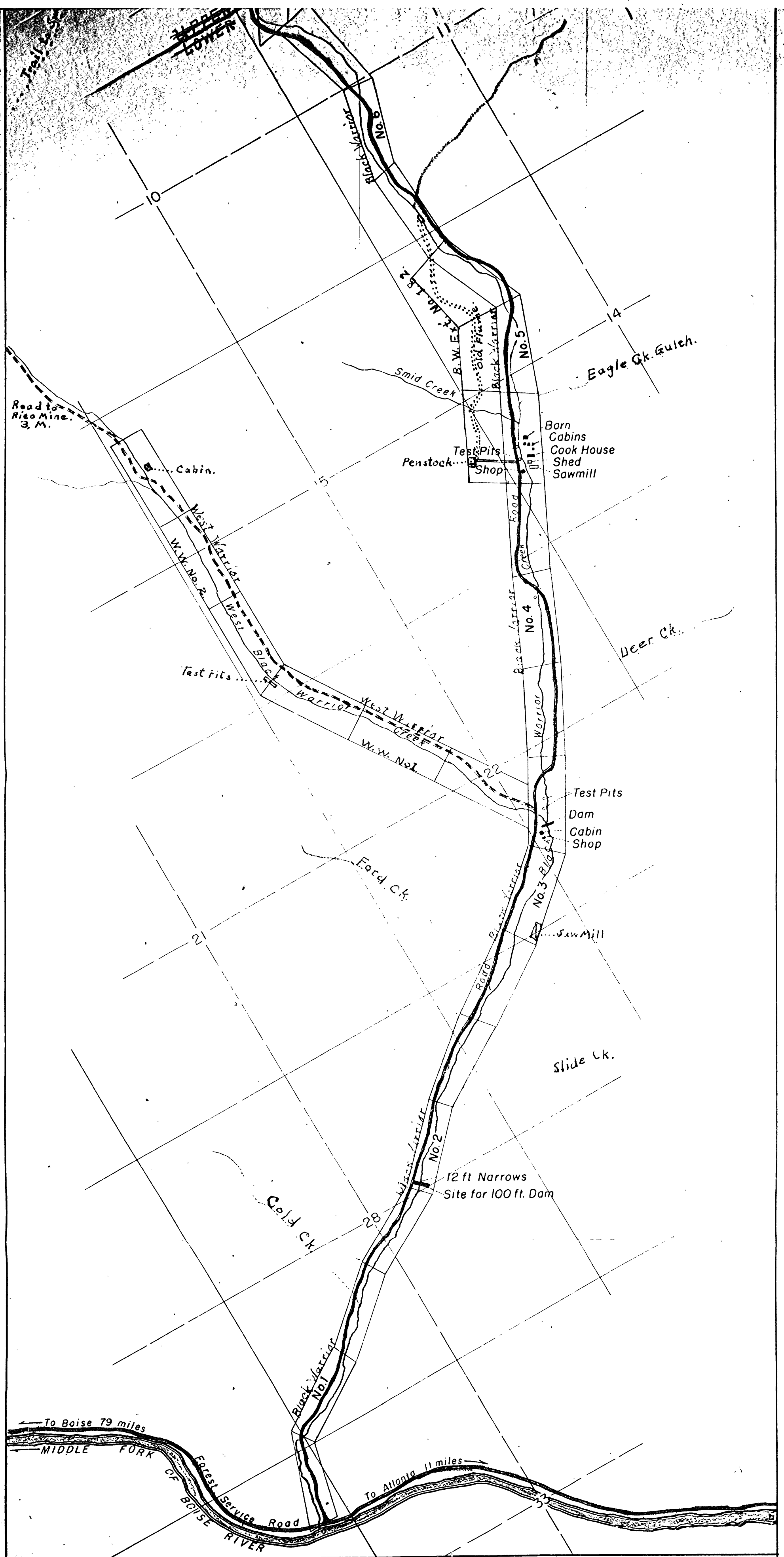
Traced by ALLEN C. MERRITT 1-21-1946
SCALE: 1 in. = 1200 ft. Boise, Idaho

460121



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IDAHO
ROCKY BAR SHEET

A.H. Thompson, Geographer.
W.T. Griswold, Topographer in charge.
Triangulation by W.T. Griswold.
Topography by E.T. Perkins Jr.
Surveyed in 1891.

Scale $\frac{1}{125000}$

1 ½ 0 1 2 3 4 5 6 7 8 9 Miles

3000 1500 0 3000 6000 9000 12000 Yards

5000 0 5000 10000 15000 20000 25000 Feet

1 0 1 2 3 4 5 6 Kilometers

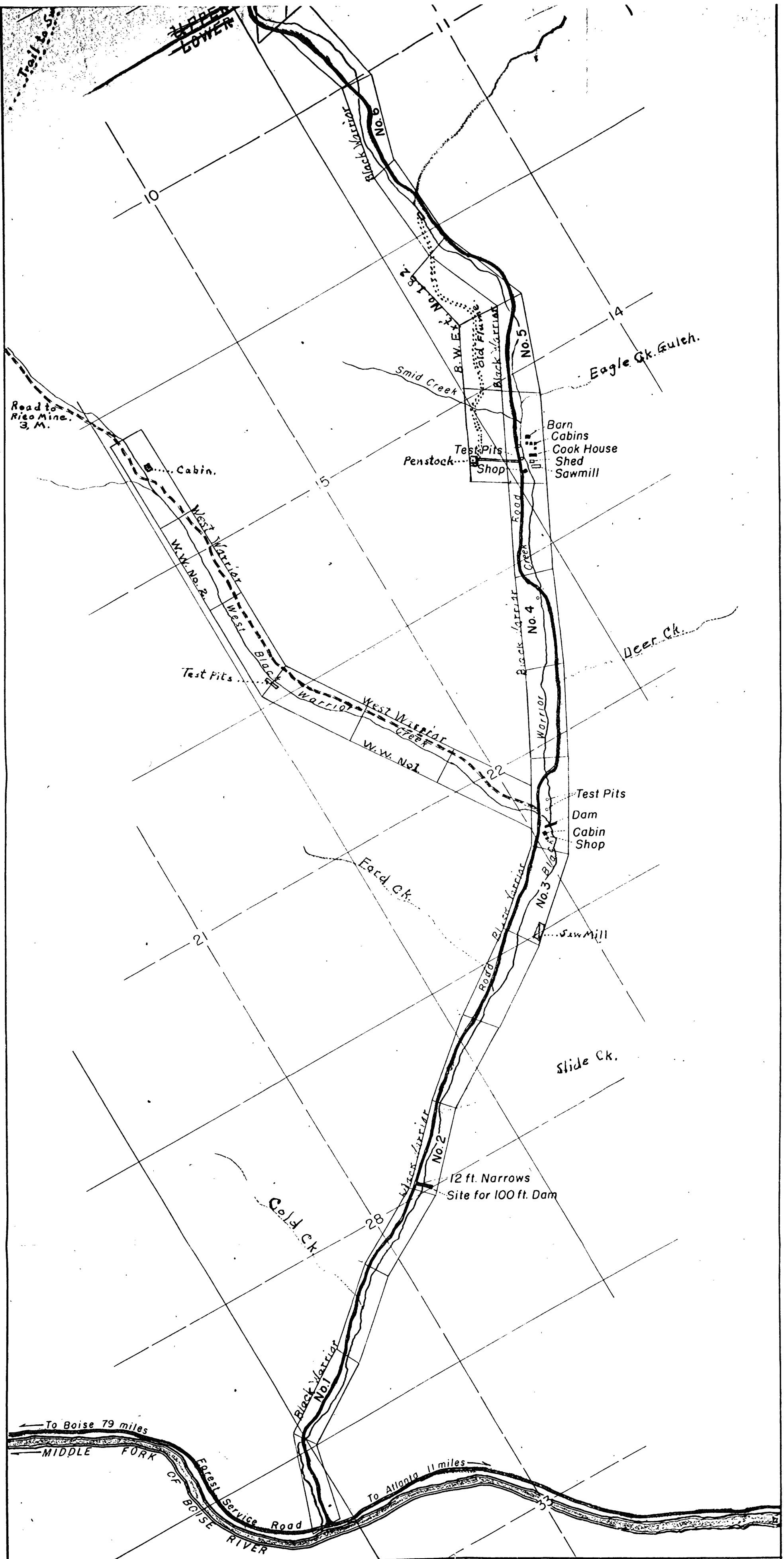
Contour interval 100 feet

Datum is mean sea level

Sheet No. 22-a

Surveyed by reconnaissance methods
Polyconic projection.

ROCKY BAR, IDAHO.
Edition of 1894,
reprinted 1948.
N 4330-W11500/30



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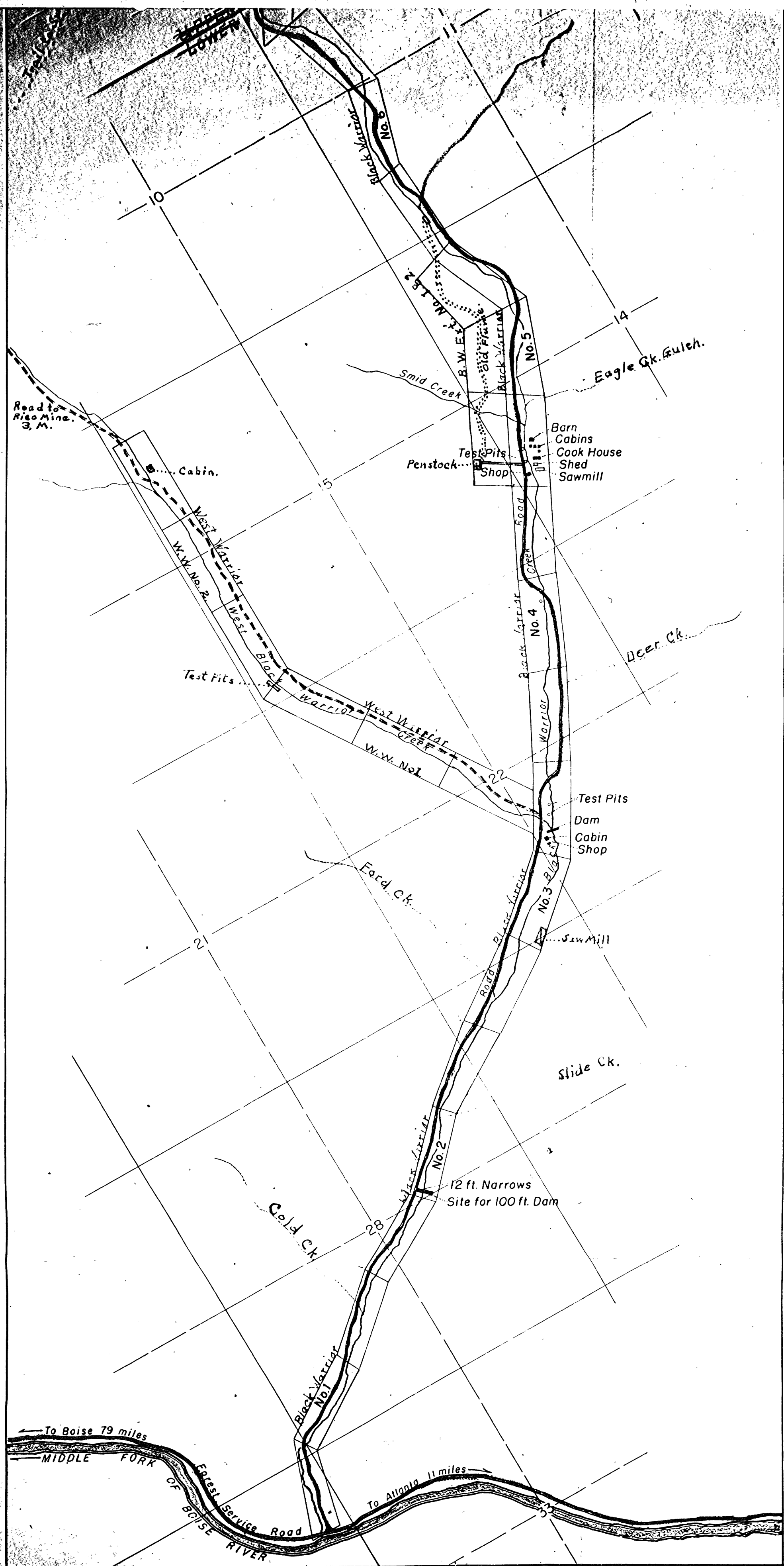

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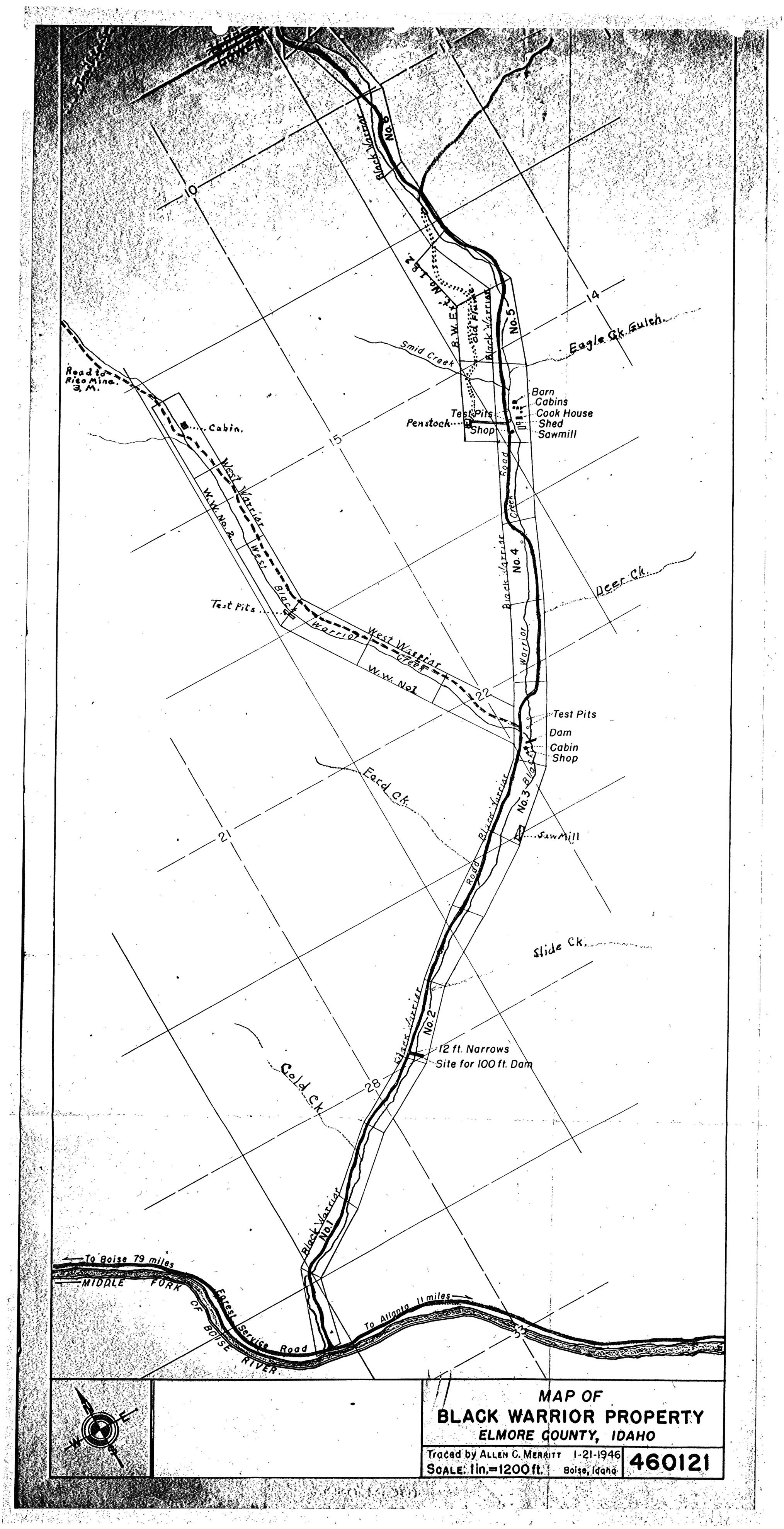
Black Warrior No. 8
Black Warrior No. 1 Ext.
Old Flume
Black Warrior No. 5
Eagle Ck. Gulch
Smid Creek
Road to Rico Mine. 3. M.
Cabin.
Barn
Cabins
Cook House
Shed
Sawmill
Test Pits
Penstock
Shop
West Warrior
W.W. No. 2
West Black Warrior Creek
Road
Black Warrior No. 4
Deer Ck.
Test Pits
W.W. No. 1
Test Pits
Dam
Cabin
Shop
Eard Ck.
Black Warrior No. 3
Sawmill
Road
Slide Ck.
Black Warrior No. 2
12 ft. Narrows
Site for 100 ft. Dam
Cold Ck.
Black Warrior No. 1
To Boise 79 miles
MIDDLE FORK OF BOISE RIVER
Forest Service Road
To Atlanta 11 miles
10
14
15
22
21
28
N
E
S
W
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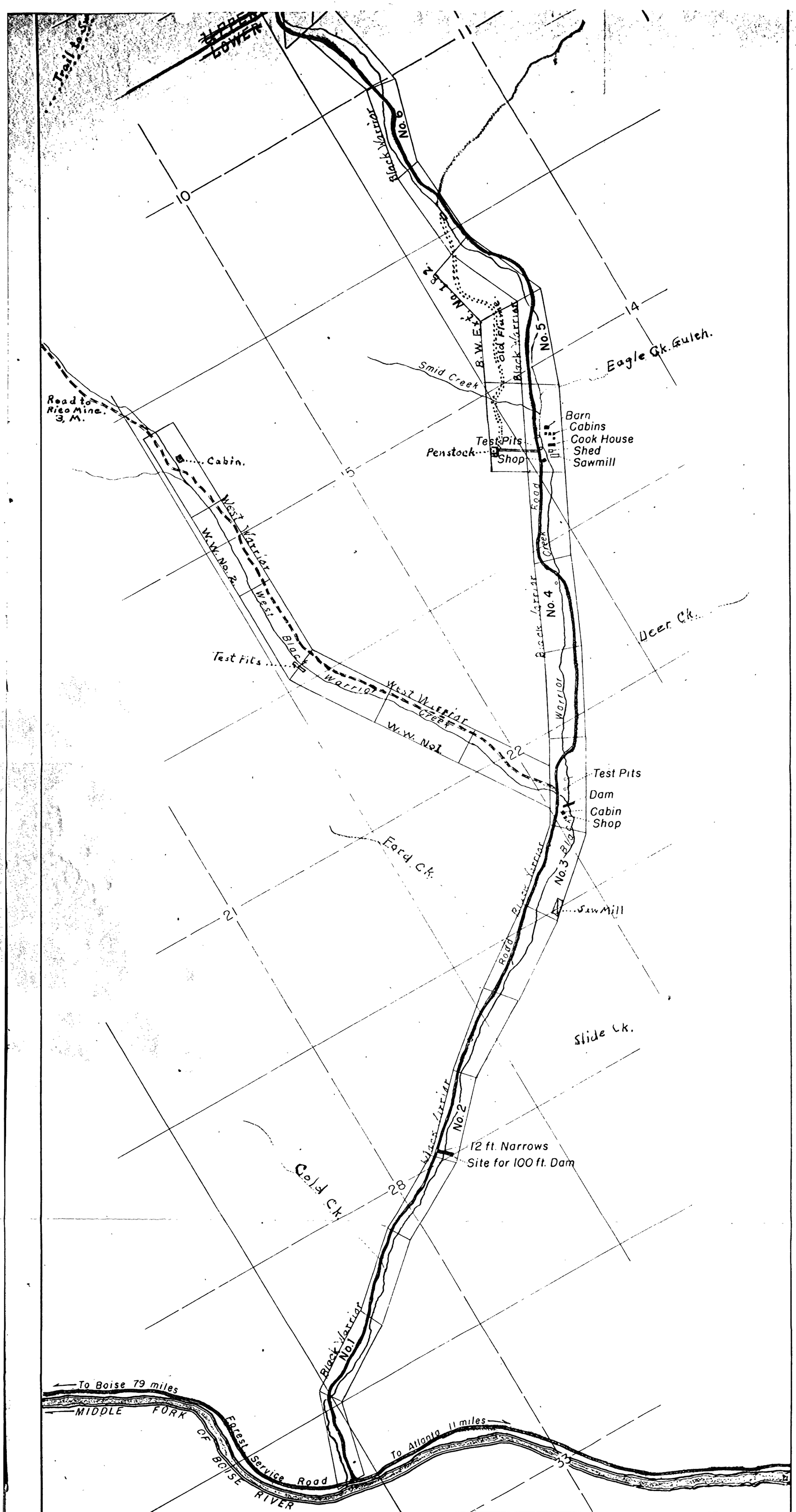

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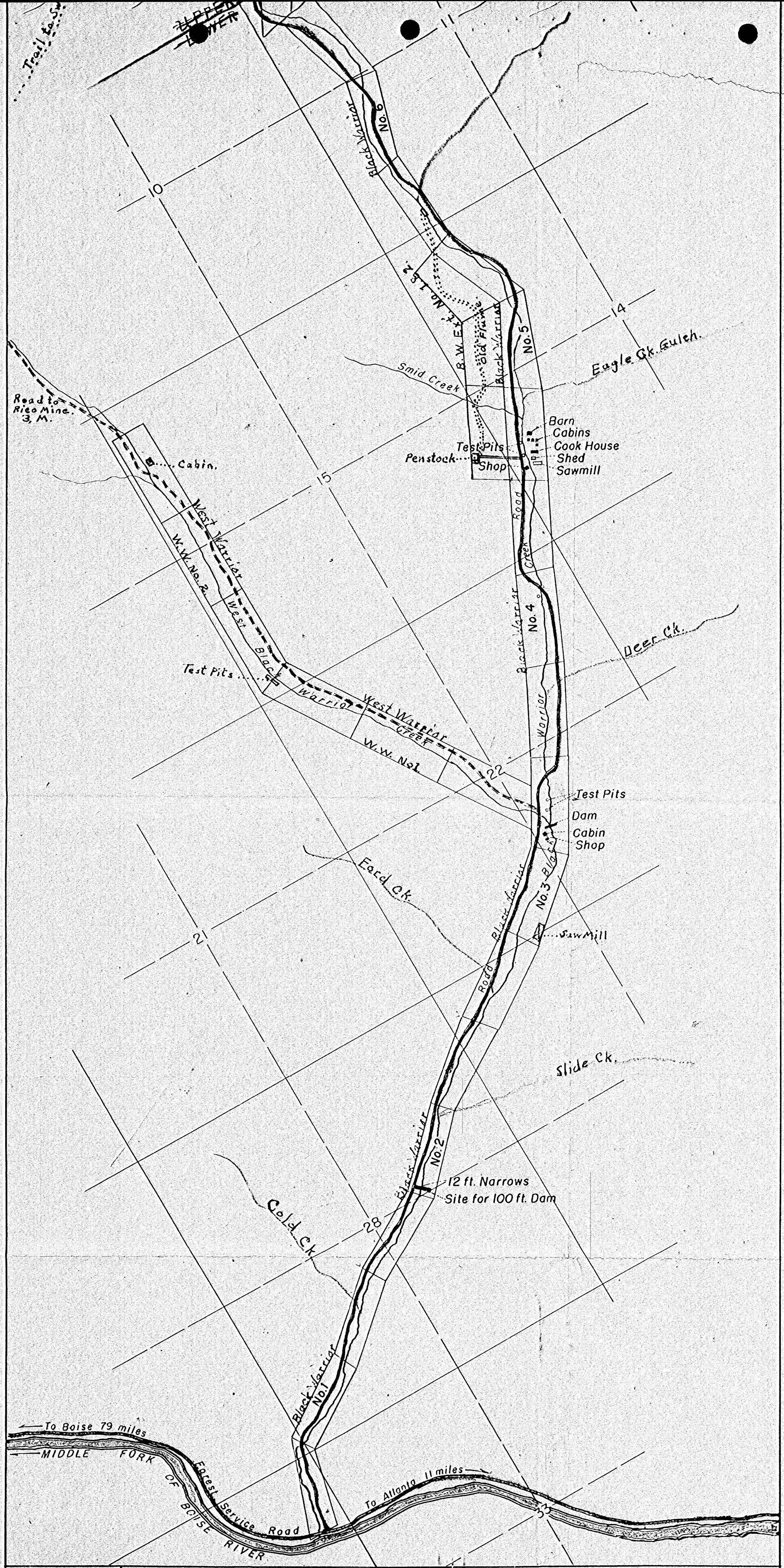

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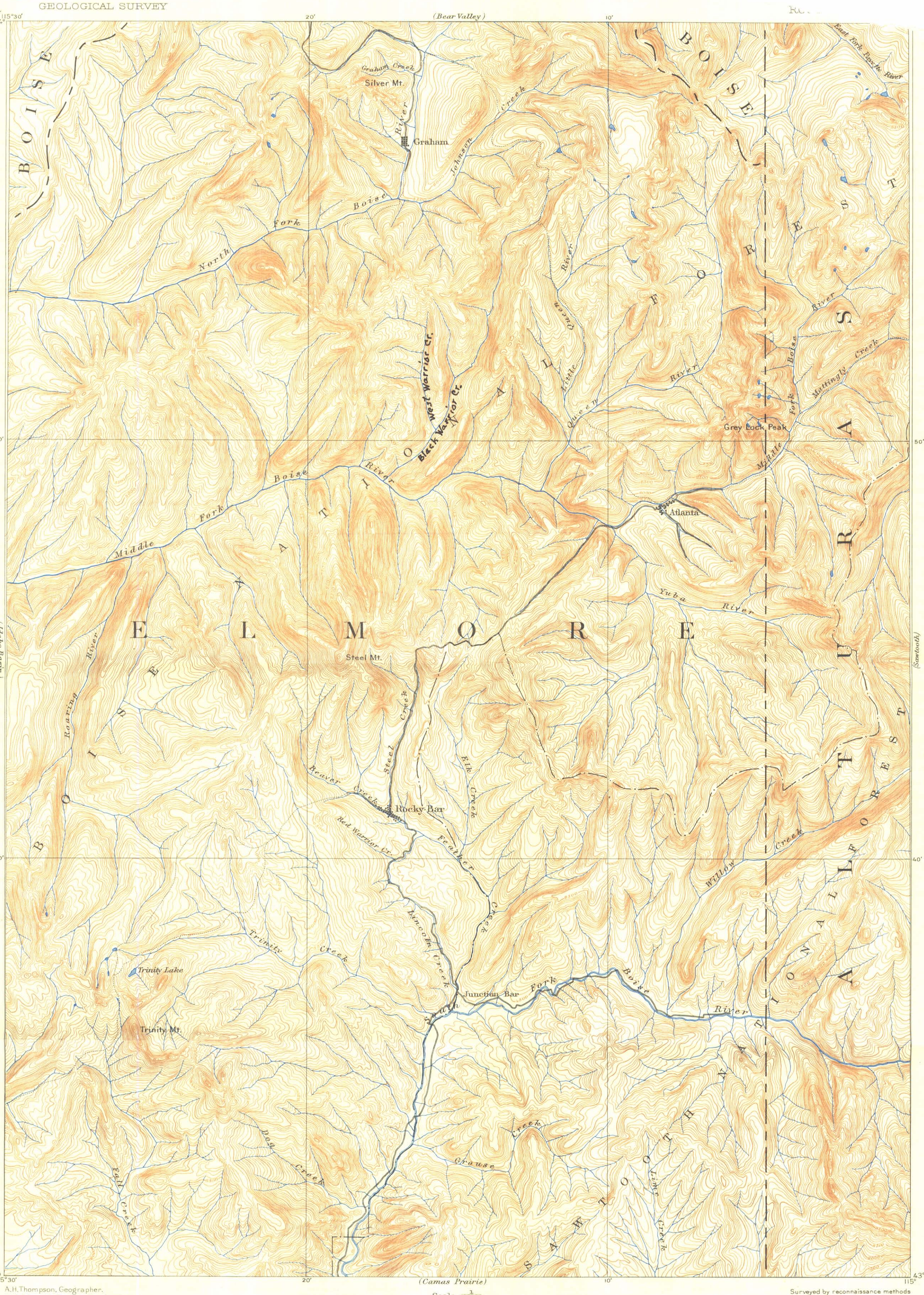

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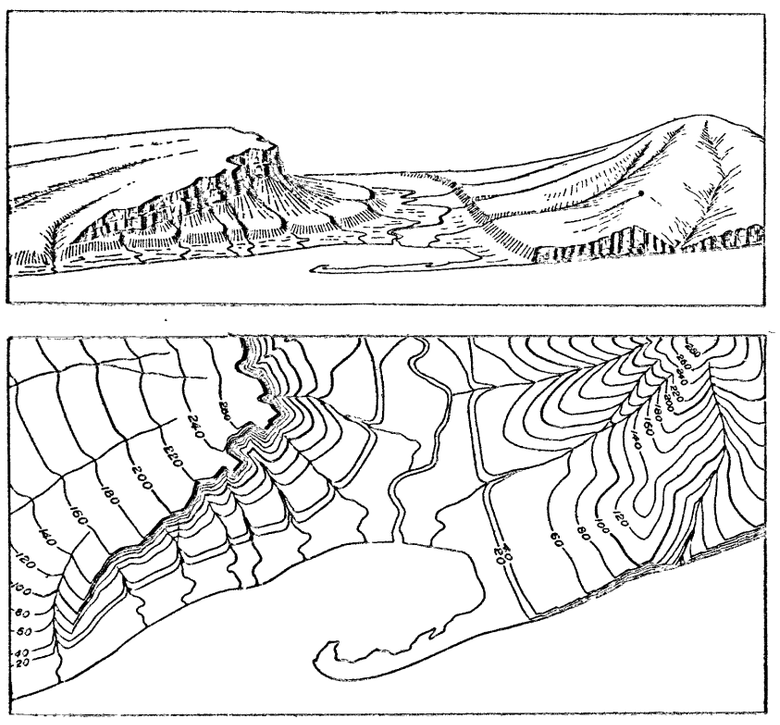
Relief is shown by contour lines in brown, which on a few maps are supplemented by shading showing the effect of light thrown from the northwest across the area represented, for the purpose of giving the appearance of relief and thus aiding in the interpretation of the contour lines. A contour line represents an imaginary line on the ground (a contour) every part of which is at the same altitude above sea level. Such a line could be drawn at any altitude, but in practice only the contours at certain regular intervals of altitude are shown. The datum or zero of altitude of the Geological Survey maps is mean sea level. The 20-foot contour would be the shore line if the sea should rise 20 feet above mean sea level. Contour lines show the shape of the hills, mountains, and valleys, as well as their altitude. Successive contour lines that are far apart on the map indicate a gentle slope, lines that are close together indicate a steep slope, and lines that run together indicate a cliff.

The manner in which contour lines express altitude, form, and grade is shown in the figure below.



The sketch represents a river valley that lies between two hills. In the foreground is the sea, with a bay that is partly enclosed by a hooked sand bar. On each side of the valley is a terrace into which small streams have cut narrow gullies. The hill on the right has a rounded summit and gently sloping spurs separated by ravines. The spurs are truncated at their lower ends by a sea cliff. The hill at the left terminates abruptly at the valley in a steep scarp, from which it slopes gradually away and forms an inclined tableland that is traversed by a few shallow gullies. On the map each of these features is represented, directly beneath its position in the sketch, by contour lines.

The contour interval, or the vertical distance in feet between one contour and the next, is stated at the bottom of each map. This interval differs according to the topography of the area mapped: in a flat country it may be as small as 1 foot; in a mountainous region it may be as great as 250 feet. In order that the contours may be read more easily certain contour lines, every fourth or fifth, are made heavier than the others and are accompanied by figures showing altitude. The heights of many points—such as road intersections, summits, surfaces of lakes, and benchmarks—are also given on the map in figures, which show altitudes to the nearest foot only. More precise figures for the altitudes of benchmarks are given in the Geological Survey's bulletins on spirit leveling. The geodetic coordinates of triangulation and transit-traverse stations are also published in bulletins.

Lettering and the works of man are shown in black. Boundaries, such as those of a State, county, city, land grant, township, or reservation, are shown by continuous or broken lines of different kinds and weights. Public roads suitable for motor travel the greater part of the year are shown by solid double lines; poor public roads and private roads by dashed double lines; trails by dashed single lines. Additional public road classification if available is shown by red overprint.

Each quadrangle is designated by the name of a city, town, or prominent natural feature within it, and on the margins of the map are printed the names of adjoining quadrangles of which maps have been published. More than 4,100 quadrangles in the United States have been surveyed, and maps of them similar to the one on the other side of this sheet have been published.

Geologic maps of some of the areas shown on the topographic maps have been published in the form of folios. Each folio includes maps showing the topography, geology, underground structure, and mineral deposits of the area mapped, and several pages of descriptive text. The text explains the maps and describes the topographic and geologic features of the country and its mineral products. Two hundred twenty-five folios have been published.

Index maps of each State and of Alaska and Hawaii showing the areas covered by topographic maps and geologic folios published by the United States Geological Survey may be obtained free. Copies of the standard topographic maps may be obtained for 10 cents each; some special maps are sold at different prices. A discount of 40 percent is allowed on an order amounting to $5 or more at the retail price. The discount is allowed on an order for maps alone, either of one kind or in any assortment, or for maps together with geologic folios. The geologic folios are sold for 25 cents or more each, the price depending on the size of the folio. A circular describing the folios will be sent on request.

Applications for maps or folios should be accompanied by cash, draft, or money order (not postage stamps) and should be addressed to

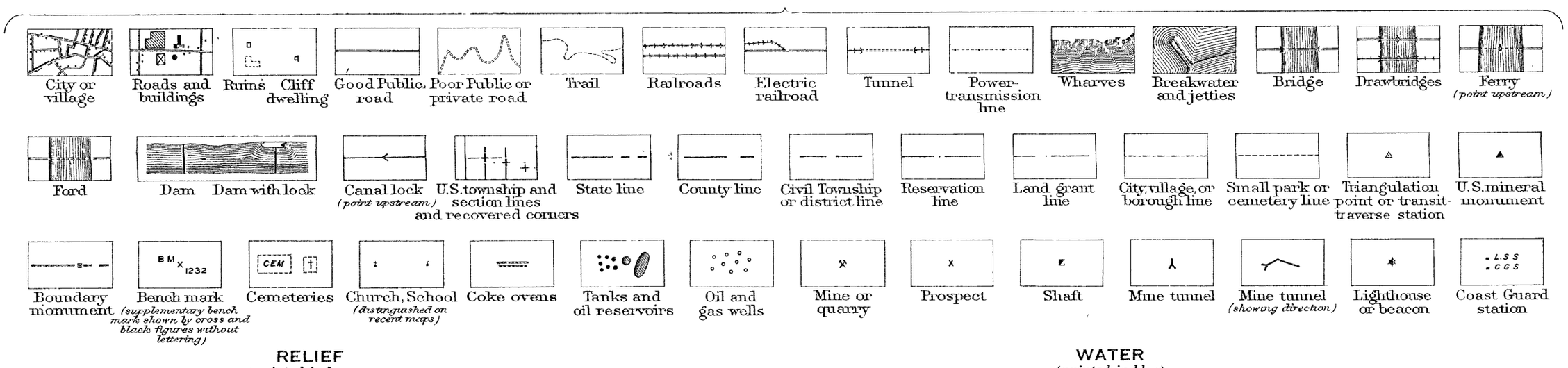
THE DIRECTOR,
United States Geological Survey,
Washington, D. C.

November 1937.

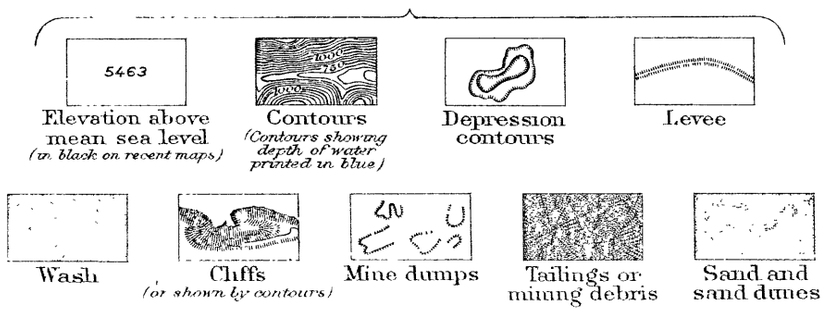
STANDARD SYMBOLS

NOTE:—Effective on and after October 1, 1946, the price of standard topographic quadrangle maps will be 20 cents each, with a discount of 20 percent on orders amounting to $10 or more at the retail rate.

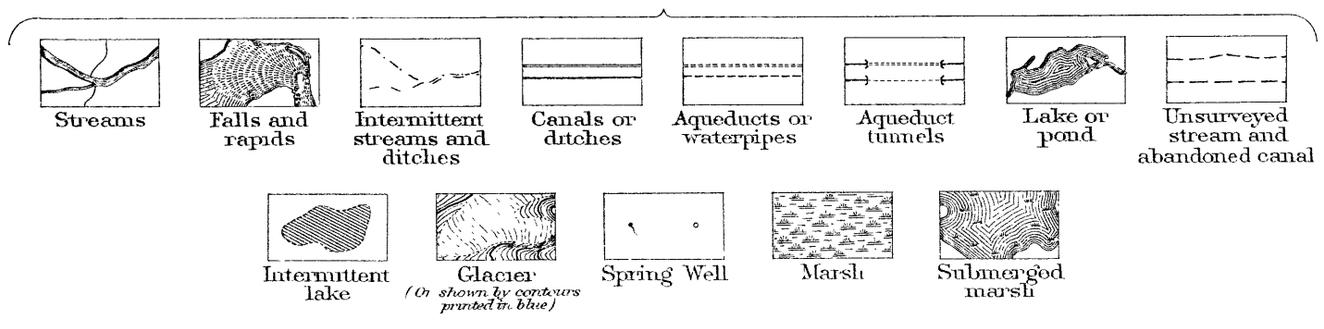
CULTURE
(printed in black)



RELIEF
(printed in brown)



WATER
(printed in blue)



WOODS
(when shown, printed in green)

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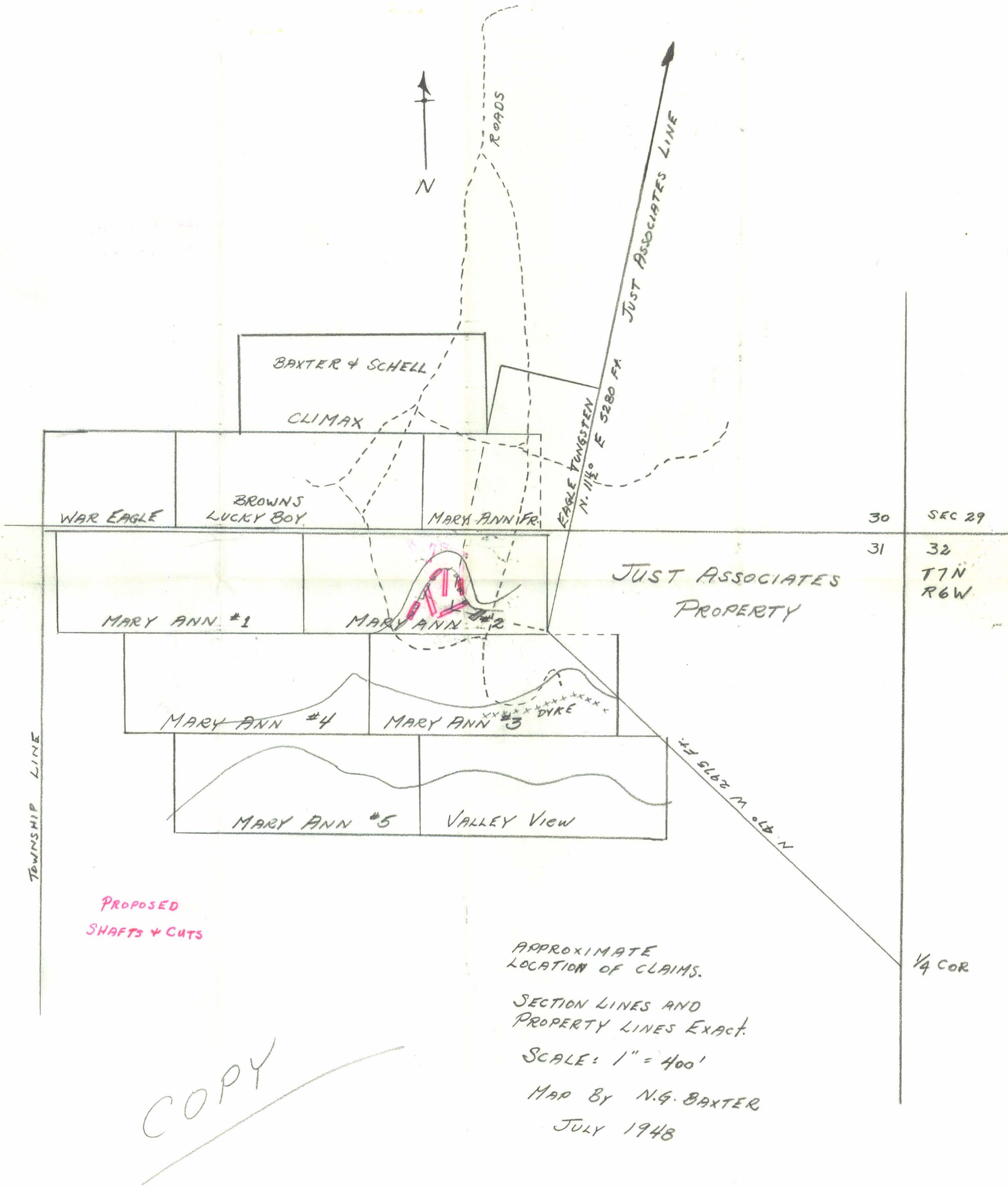
Sheet No. 22-a


N
ROADS
JUST ASSOCIATES LINE
BAXTER & SCHELL
CLIMAX
EAGLE TUNGSTEN
N. 11½° E 5280 FT.
WAR EAGLE
BROWNS
LUCKY BOY
MARY ANN FR.
30
SEC 29
31
32
T7N
R6W
JUST ASSOCIATES
PROPERTY
MARY ANN #1
MARY ANN #2
MARY ANN #4
MARY ANN #3
DYKE
MARY ANN #5
VALLEY VIEW
N 87° W 2975 FT.
TOWNSHIP LINE
1/4 COR
PROPOSED
SHAFTS + CUTS
APPROXIMATE
LOCATION OF CLAIMS.
SECTION LINES AND
PROPERTY LINES EXACT.
SCALE: 1" = 400'
MAP BY N.G. BAXTER
JULY 1948
COPY