DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1036x

DO NOT DETACH THIS SLIP

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

This document has been recorded as

_____

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

Routing Slip

To: Adm. Mang. Divl Date 8-9-51

To: _____ Date _____

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

Two copies each of MF-103 and 100 have been transferred to Mr. A. Renick, USBM, and Mr. E. T. McKnight, USGS. This is a reconsidered case under Docket Numer DMEA-2572.

330

FILE COPY
SURNAME:

Bourret. from Lyon

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

AUG 13 1951

Syringa Development case

Hon. Homer H. Budge
House of Representatives
Washington 25, D. C.

My dear Mr. Budge:

I wish to acknowledge receipt of your letter of August 1, enclosing copy of letter of July 26, from Mr. Guy H. Herbert, Jr., concerning the Syringa Antimony Property, DMA docket 1036m.

The Syringa's application for exploration assistance, after careful review by the Minor and Rare Metals Branch, was referred to the field engineers for examination. This examination disclosed that the applicant had not presented sufficient information in his application to draw up a contract with the Defense Minerals Administration. Under date of August 7, 1951, we advised Syringa that their application must be denied in its present form; however, we have advised them that we will be glad to reconsider the case as soon as we receive complete information.

I trust the above will be of help. In case additional information is required, please advise. I am retaining for our files the copy of Mr. Herbert's letter which you were kind enough to enclose.

Sincerely,

[illegible]
Acting Administrator

J.F. 8/13

WBourret/mh 8-8-51
cc: Adm. Read. File
Reports and Records
Lyon
McKnight
Renick
Holderer
Field Team, II
DMA docket files

[illegible]ER H. BUDGE
[illegible]ND DISTRICT, IDAHO

HOME ADDRESS:
BOISE, IDAHO

J. B. THAYN
SECRETARY

Mark - Copy Entered

COMMITTEE:
INTERIOR AND INSULAR AFFAIRS

SUBCOMMITTEES:
IRRIGATION AND RECLAMATION
MINES AND MINING
PUBLIC LANDS

Congress of the United States
House of Representatives
Washington, D. C.

August 1, 1951

Dr. James Boyd, Director
Defense Minerals Administration
Washington, D. C.

Dear Dr. Boyd:

Enclosed herewith is a copy of a letter from Mr. Guy H. Herbert, Jr., which is self-explanatory.

It is my recollection that your tungsten program has been under way for some time, and I would appreciate your comments relative to Mr. Herbert's letter and also your kindness in furnishing me with the information which he seeks.

Very truly yours,

Hamer H. Budge, M. C.

Enclosure

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 3 1951
LANDON F. STROBEL
Executive Secretary

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 8/3/51

REFERRED TO:
1. ~~Mathews R 3624~~
2.
3.
4.

FOR:

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

REMARKS:

Check (X) before the items needing attention.

ROBERT E. ADAMS RB
Initials of sender.

GPO 16—63815-1

1951 AUG 2 PM 3 44
BUREAU OF MINES
WASHINGTON, D. C.

Boise, Idaho
July 26, 1951

Honorable Hamer H. Budge
House of Representatives
Washington, D. C.

Dear Mr. Budge:

We are desirous of having your assistance in getting information on mine prospecting loans, particularly for those cases developing antimony and tungsten, referring specifically to application of Syringa Associates, for assistance under DMA Order MO-5 to develop antimony and tungsten in the Yellow Pine Mining District, filed in Washington under Defense Minerals Administration as Case No. 1036X.

Since 1938 under one name or another this property has been under my control or in my possession and during 1939 inspection and some exploratory work was performed on this property, particularly on the antimony by the United States Bureau of Mines and the geological work started by the USGS. This information is included in the original filing by Syringa Associates, which association was formed for the purpose of developing these strategic materials for the defense program.

This case, on which I did the consulting work, received tentative approval from Washington level over a month ago, subject to field inspection. Three weeks ago field inspection was made by a representative of the Defense Minerals Administration from Spokane, Washington. Verbal information given at that time was to the effect the loans for prospecting aid were largely being confined to those old properties which had production records and possibly would have marginal deposits of ores or other occurrences of higher grade ores. Since there are few, if any, old mines with production records of antimony and tungsten, it seems the future supply must come from new prospecting. The intent of the Defense Production Act as re-designated by MO-5 of the Defense Minerals Administration seems to be to develop with government assistance, ores through prospecting. This one case is taken as an example of the very logical area which could very easily become a big production.

COPY

RECEIVED
AUG 31 1951
LANDON F. STROBEL
Executive Secretary

There is little use of the owner of property advancing money for adequate professional consultant work in the hopes of securing federal aid as indicated by MO-5, if the administrative end follows the policy of advancing loans only to those properties which had production records.

In any event this policy will not produce much of the critical materials such as antimony, tungsten, cobalt and manganese.

I am an associate of the R. J. Briggs Engineering Company, and any and all information on strategic policies for prospecting and developing of minerals will be of interest to all of us.

We would greatly appreciate any investigation you can make in the disposition of the Syringa case No. 1036X, and will be very happy to hear from you with regard to the same.

Very truly yours,

/s/ Guy H Herbert, Jr.

Guy H Herbert, Jr.
Route 6
Boise, Idaho

COPY

GHH/g

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

AUG 13 1951

Hon. Homer H. Budge
House of Representatives
Washington 25, D. C.

My dear Mr. Budge:

I wish to acknowledge receipt of your letter of August 1, enclosing copy of letter of July 26, from Mr. Guy H. Herbert, Jr., concerning the Springs Antimony Property, DMA docket 1036a.

The Springs's application for exploration assistance, after careful review by the Author and Mare Tala Ranch, was referred to the field engineers for examination. This examination disclosed that the applicant had not presented sufficient information in his application to draw up a contract with the Defense Minerals Administration. Under date of August 7, 1951, we advised Springs that their application must be denied in its present form; however, we have advised them that we will be glad to reconsider the case as soon as we receive complete information.

I trust the above will be of help. In case additional information is required, please advise. I am retaining for our files the copy of Mr. Herbert's letter which you were kind enough to enclose.

Sincerely,

W. C. SCHROEDER

Acting Administrator

Wbourret/mh 8-8-51
cc: Adm. Asst. File
Reports and Records
Lyon
McKnight
Renick
Holderer
Field Team, II
DMA docket files

Congress of the United States
House of Representatives
Washington, D. C.

. James Boyd,
Bureau Mines
Washington, D. C.

Dear Dr. Boyd:

Enclosed herewith is a copy of a letter from Mr. Guy H. Herbert, Jr., which is self-explanatory.

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Very truly yours,

Hamer H. Budge, M. C.

Enclosure

8/3/51
Endorsed
Reply-Rgd.

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

AUG 10 1951

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Syringa Development Association
Yellow Pine District, Idaho
Antimony - Tungsten - DMA-1036x

Under date of April 12, 1951, Syringa Development Association, 2101 Ellis Avenue, Boise, Idaho, originated the subject application, DMA-1036x, for an exploration project in the sum of $41,000 for a government participation of $30,750, (75%).

Attached hereto find letter of even date addressed to James M. Carr, President, denying application on the grounds of failure to present a suitable exploration objective for a vaguely outlined program.

Complete docket is herewith returned, consisting of the following:

(a) Two copies each of forms MF-100 and MF-103 with submittal letters.
(b) May 31 memo from E. T. McKnight
(c) Two copies each of field team geological report and letter recommending denial of application.

Weston Bourret
Weston Bourret, Chief
Minor and Rare Metals

Enclosure

Approved:
Sam Lyon
Director, Supply Division

330

FILE COPY
SURNAME:

Gordon
Bourret
Renick

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

Memorandum

AUG 10 1951

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Syringa Development Association
Yellow Pine District, Idaho
Antimony - Tungsten - DMA-1036x

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(c) Two copies each of field team geological report and letter recommending denial of application.

/s/ Weston Bourret BJ
8/10

Enclosure

Weston Bourret, Chief
Minor and Rare Metals

Approved:

Tom Lyon
Director, Supply Division

EGordon/mh 8-7-51
cc: Adm. Read. File
Reports and Records
Lyon
Field team, II
McKnight, USGS
Renick
Bourret
DMA docket files

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

Memorandum

AUG 10 1951

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: Syringa Development Association
Yellow Pine District, Idaho
Antimony - Tungsten - DMA-1036x

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(b) May 31 memo from E. T. McKnight
(c) Two copies each of field team geological report and letter recommending denial of application.

/s/ Weston Bourret

Enclosure

Weston Bourret, Chief
Minor and Rare Metals

Approved:

Tom Lyon

Director, Supply Division

EGordon/mh 8-7-51
cc: Adm. Mgmt. File
Reports and Records
Lyon
Field team, II
McKnight, USGS
Henick
Bourret
DMA docket files

FILE COPY
SURNAME:

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

Gordon
Bourret
Renick

Mr. James N. Carr, President
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

AUG 10 1951

Re: Syringa Development Association
Yellow Pine District, Idaho
Antimony, DMA-1036x

Dear Mr. Carr:

Your application of May 7, 1951, for an exploration project DMA docket-1036x, in the sum of $41,000, for a government participation of $30,750, has been reviewed by the Minor and Rare Metals Branch of the Supply Division.

We regret to advise that your application in its present form must be denied because you have not presented any precise, geologically based objectives for the briefly outlined, proposed exploration program.

Should you later obtain data on your property which will enable you to present a carefully worked out program with a more definite target to shoot at, we would gladly consider a new application.

Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

EGordon/mh 8-7-51
cc: Adm. Read. File
Reports and Records
Lyon
Field Team, II
Renick
McKnight, USGS
Bourret
DMA docket Files

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

AUG 1 0 1951

Mr. James M. Carr, President
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Re: Syringa Development Association
Yellow Pine District, Idaho
Antimony, DMA-1036x

Dear Mr. Carr:

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Yours very truly,

Tom Lyon

Tom Lyon, Director
Supply Division

EWordon/mh 8-7-51
cc: Adm. Head. File
Reports and Records
Lyon
Field Team, II
Kenick
McKnight, USGS
Bourret
DMA docket Files

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

July 23, 1951

Memorandum

Through: Landon F. Strobel

To: Mr. Tom Lyon, Chairman, Commodity Committee

From: Field Team, Region II

Subject: Syringa Development Association
2101 Ellis Avenue
Boise, Idaho
DMA Docket 1036X.

Enclosed herewith is a report (four copies) by Elton A. Youngberg, U.S.G.S., on the subject property, and docket material.

A suitable exploration objective has not been presented by the applicant and Mr. Youngberg has recommended that the applicant be denied aid for this reason.

The Field Team concurs in this recommendation.

Elton A. Youngberg
Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

M. E. Volin
M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures:

cc: L. F. Strobel
U.S.B.M. Spokane
U.S.B.M. Albany

I concur in field teams recommendation.
E. T. McKnight

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1951
LANDON F. STROBEL
Executive Secretary

dma-1036X

a.t.e.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] Howard Street
[illegible], Washington

July 23, 1981

Memorandum

Through: [illegible] P. Strobel

To: Mr. [illegible], Chairman, Commodity Committee

From: Field Team, Region II

Subject: Prince Development Association
[illegible] Mitts Avenue
Boise, Idaho
[illegible] October 1980.

[illegible] ned herewith is a report (four copies) by Alton A. [illegible], [illegible], on the subject property, and [illegible] material.

[illegible] suitable exploration objective has not been presented by the applicant and Mr. [illegible] has recommended that the applicant be denied aid for this reason.

The field team concurs in this recommendation.

Alton A. Young, Jr.
Mr. A. M. Sinnemburn
Executive Officer, [illegible]
Field Team, Region II

[illegible] Y. Volin, Director
[illegible] Bureau of Mines

Distribution:

[illegible] P. Strobel
[illegible] Reference
[illegible] Library

File

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
Library
JUL 27 1981
[illegible] STROBEL
Energy Section

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
[illegible] 157 Howard Street
Spokane 4, Washington

July 23, 1951

Memorandum

Through: Landon F. Strobel

To: Mr. Tom Lyon, Chairman, Commodity Committee

From: Field Team, Region II

Subject: Springs Development Association
Fl01 Ellis Avenue
Boise, Idaho
[illegible] Docket 10[illegible].

Enclosed herewith is a report (four copies) by Milton A. Youngberg, [illegible], on the subject property, and [illegible] material.

A suitable exploration objective has not been presented by the applicant and Mr. Youngberg has recommended that the applicant be denied aid for this reason.

The Field Team concurs in this recommendation.

Milton A. Youngberg
For: A. E. Eisenhorn
Executive Officer, and
Field Team, Region II

W. W. Rollin, Member
(U. S. Bureau of Mines)

Enclosures:

cc: L. F. Strobel
U.S.B.M., Spokane
U.S.B.M., Library

etc

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1951
Executive Secretary

July 18, 1951

Memorandum

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

From: Elton A. Youngberg, U.S.G.S., Geologist

Subject: DMA Docket 1036X
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

LOCATION OF PROPERTY

The property of the Syringa Development Association is the Syringa claims located in Twp. 18 N., R. 8 E., sec. 9, Yellow Pine district, Valley County, Idaho.

RECOMMENDATIONS

It is recommended that the exploration proposal of the Syringa Development Association be denied because of the lack of a suitable objective.

RESUME OF EXAMINATION

One day was spent on the property examining outcrops and bulldozer cuts with Mr. Guy Herbert and Mr. Whittaker of the Syringa Development Association.

The applicants do not appear to have a clear idea of what they proposed to do and were able to present very little factual data to support their proposal. Two possibilities for exploration were indicated but would require considerable geologic mapping before their feasibility could be determined.

One possibility would be the exploration of several parallel east-west bleached structures which apparently contain antimony mineralization as indicated by massive stibnite found in one open cut as float in talus. The second possibility is the prospecting of scheelite bearing contact Metamorphic Paleozoic rocks. Prospecting by the Syringa Development Association was of preliminary nature and had not been carried out in sufficient detail to enable the formulation of an intelligent exploration program by drilling or

bulldozing or to determine if such a program was warranted. The scheelite did occur frequently enough to indicate surface mapping and prospecting of favorable beds might disclose a suitable target for exploration.

The lack of the applicant's understanding of the geologic problems involved does not make it appear that they will be able to present a feasible project. The proposal should be denied because of the lack of a suitable objective

FILE COPY
SURNAME:

Bourret.
Lyon

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

June 21, 1951

Hon. Herman Welker
United States Senate
Washington 25, D. C.

My dear Senator Welker:

Thank you very kindly for your letter of June 7, in regard to the Syringa Development Association, DMA-1030.

Under date of April 12, 1951 the Association requested $41,000 for an exploration project. The application is presently being reviewed and no doubt we will hear from our field engineers shortly.

Please advise me if I can provide any additional information.

With kind regards.

Sincerely yours,

JAMES BOYD

Administrator

JCA

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

OLIN D. JOHNSTON, S. C., CHAIRMAN
KENNETH MCKELLAR, TENN.
MATTHEW M. NEELY, W. VA.
JOHN O. PASTORE, R. I.
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THOMAS R. UNDERWOOD, KY.
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HERMAN WELKER, IDAHO
JOHN MARSHALL BUTLER, MD.
JAMES H. DUFF, PA.

J. AUSTIN LATIMER, CHIEF CLERK
H. W. BRAWLEY, STAFF DIRECTOR

~~LANDON F. STROBEL~~
~~Bradley~~

United States Senate

COMMITTEE ON POST OFFICE
AND CIVIL SERVICE

Ans by H. Bowser on 6/26/51
J. McC.

June 7, 1951

Bour-3318
Rm-1544

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 1 1 1951
LANDON F. STROBEL
Executive Secretary

Mr. James Boyd
Administrator
Defense Minerals Administration
18th and C Streets, N. W.
Washington 25, D. C.

Dear Mr. Boyd:

While in Idaho recently, I talked with Mr. Burton L. Moore in regard to a tungsten property which seemed to have a great deal of merit.

Mr. Moore informs me that application for a loan on this property has been made by the Syringa Development Association. The loan number is DMA-1036X.

I believe an examination of this ground should be made by your engineers, as the owners tell me that they have uncovered a vein of tungsten in place. Any consideration shown Mr. Moore and his associates will be appreciated by me.

Antimony, not tungsten

Sincerely yours,

Herman Welker

HERMAN WELKER
U. S. Senator, Idaho

HW:ca-3

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 8 1951
LANDON F. STROBEL
Executive Secretary

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 6/8/51

REFERRED TO:

1. Bradley 6-3624
2. ~~Bourneff - Room 1041~~
3. Files
4.

FOR:

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

REMARKS:

Rec'd by BHB - 6-11-51

mem

Check (X) before the items needing attention.

LANDON F. STROBEL HB
Initials of sender.

GPO 16—63815-1

BUREAU OF MINES
MAIL ROOM
WASHINGTON, D.C.
JUN 8 10 34 AM '51

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

June 21, 1951

Hon. Herman Welker
United States Senate
Washington 25, D. C.

My dear Senator Welker:

Thank you very kindly for your letter of June 7, in regard to the Syringa Development Association, DMA-1036x.

Under date of April 12, 1951 the Association requested $41,000 for an exploration project. The application is presently being reviewed and no doubt we will hear from our field engineers shortly.

Please advise me if I can provide any additional information.

With kind regards.

Sincerely yours,

JAMES BOYD
Administrator

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

ELLIN D. JOHNSTON, S. C., CHAIRMAN
KENNETH McKELLAR, TENN.
MATTHEW M. NEELY, W. VA.
JOHN O. PASTORE, R. I.
MIKE MONRONEY, OKLA.
GEORGE A. SMATHERS, FLA.
THOMAS R. UNDERWOOD, KY.
WILLIAM LANGER, N. DAK.
FRANK CARLSON, KANS.
EVERETT McKINLEY DIRKSEN, ILL.
HERMAN WELKER, IDAHO
JOHN MARSHALL BUTLER, MD.
JAMES H. DUFF, PA.
J. AUSTIN LATIMER, CHIEF CLERK
H. W. BRAWLEY, STAFF DIRECTOR

LANDON F. STROBEL

United States Senate

COMMITTEE ON POST OFFICE
AND CIVIL SERVICE

June 7, 1951

6/8/51
Bradley -
Reply - Boyd

Mr. James Boyd
Administrator
Defense Minerals Administration
18th and C Streets, N. W.
Washington 25, D. C.

Dear Mr. Boyd:

While in Idaho recently, I talked with Mr. Burton L. Moore in regard to a tungsten property which seemed to have a great deal of merit.

Mr. Moore informs me that application for a loan on this property has been made by the Syringa Development Association. The loan number is DMA-1030x.

I believe an examination of this ground should be made by your engineers, as the owners tell me that they have uncovered a vein of tungsten in place. Any consideration shown Mr. Moore and his associates will be appreciated by me.

Sincerely yours,

HERMAN WELKER
U..S. Senator, Idaho

HW:ca-3

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 1 1 1951
LANDON F. STROBEL
Executive Secretary

FILE COPY
SURNAME:

Bourret

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

June 1, 1951

Mailed 6/1/51

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

Re: DMA-1036X
Syringa Development Association
Antimony

Dear Mr. Weissenborn:

Reference is made to the application of the Syringa Development Association, which was transmitted from your office under date of April 17, 1951.

We are enclosing herewith two copies of MF-103 for exploration assistance in the amount of $41,000 for diamond drilling and bulldozer work on the applicant's antimony property in the Yellow Pine District of Idaho.

In reviewing this proposition I would suggest that you contact the applicant direct if additional information is required. We are also enclosing herewith one copy of MF-100, which contains a map showing location of the proposed exploration and other pertinent information.

Kindly return docket with your recommendations.

Yours very truly,

Tom Lyon

Chairman, Coordinating Committee

Enclosures

Approved:
Lowell B. Moon

For the Bureau
Olaf N. Rove

For the Survey
WBOURRET/af

Copy to: Files
Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. McKnight, USGS
Mr. Ruhlman
Mr. Bourret

FILE COPY
SURNAME:

Bourret
Gibson
Lyon

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

June 1, 1951

Mr. James M. Carr, President
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Re: DMA-1036I
Syringa Development Association
Antimony

Dear Mr. Carr:

Your application dated May 7 (Form MF-103) for an exploration loan in the amount of $41,000 has been received by the Minor and Rare Metals Branch of the Defense Minerals Administration.

Before a final decision can be made on your request, it will be necessary to obtain additional information from the DMA team of examining engineers. Your application, therefore, has been referred to the office of the Executive Officer of Field Team, Region II, Mr. A. E. Weissenborn, South 157 Howard Street, Spokane, Washington, with the request that the required information be supplied to this office. In the event Mr. Weissenborn needs additional information, he will contact you direct.

I am enclosing herewith a copy of the contract form (MF-200), which I would suggest your reading over at this time.

Yours very truly,

Tom Lyon, Director
Supply Division

Enclosure
WBourret/af
Copy to: Files
Adm.Reading File
Mr. Strobel
Mr. Bourret
Mr. Lyon
Mr. McKnight, USGS
Mr. Ruhlman
DMA Field Team, Region II (2)

Bm 4626

A. E. C.

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

June 1, 1951

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

Re: DMA-10367
Syringa Development Association
Antimony

Dear Mr. Weissenborn:

Reference is made to the application of the Syringa Development Association, which was transmitted from your office under date of April 17, 1951.

We are enclosing herewith two copies of DP-103 for exploration assistance in the amount of $41,[illegible] for diamond drilling and bulldozer work on the applicant's antimony property in the Yellow Pine District of Idaho.

In reviewing this proposition I would suggest that you contact the applicant direct if additional information is required. We are also enclosing herewith one copy of DP-10C, which contains a map showing location of the proposed exploration and other pertinent information.

Kindly return docket with your recommendations.

Yours very truly,

Tom Lyon

Chairman, Coordinating Committee

Enclosures

Approved:

Russell B. Moon

For the Bureau

Olaf N. Rove

For the Survey

WBOURRET/af

Copy to: Files
Adm. Reading File
Mr. Strobel
Mr. Lyon
Mr. McKnight, USGS
Mr. Ruhlman
Mr. Bourret

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

June 1, 1951

Mr. James [illegible] Carr, President
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Re: [illegible]-10361
Syringa Development Association
Antimony

Dear Mr. Carr:

Your application dated May 7 (Form [illegible]-1031) for an exploration loan in the amount of $[illegible],000 has been received by the Minor and Rare Metals Branch of the Defense Minerals Administration.

Before a final decision can be made on your request, it will be necessary to obtain additional information from the DMA team of examining engineers. Your application, therefore, has been referred to the office of the Executive Officer of Field Team, Region II, Mr. A. E. Reisenborn, South 137 Howard Street, Spokane, Washington, with the request that the required information be supplied to this office. In the event Mr. Reisenborn needs additional information, he will contact you direct.

I am enclosing herewith a copy of the contract form (DF-200), which I would suggest your reading over at this time.

Yours very truly,

Tom Lyon, Director
Supply Division

Enclosure

WFourret/af
Copy to: Files
Adm. Reading File
Mr. Strobel
Mr. Fourret
Mr. Lyon
Mr. McKnight, USGS
Mr. Kuhlman
DMA Field Team, Region II (2)

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

May 31, 1951

Memorandum

Re: Docket DMA-1036X

To: Mr. Weston Bourret

From: Edwin T. McKnight

Subject: DMA-1036X application of Syringa Development Association to explore antimony lodes on Riordan Creek, 4 miles S. of Yellow Pine, Idaho.

The project is in a known antimony producing district and is 2 miles southwest of the Antimony Ridge mine whish has produced 1000 tons of 45% ore. The lithologic and structural setting is much the same as at the Antimony Ridge mine. The proposal is to strip the overburden from 3 veins by bulldozer, and to continue with diamond drilling and crosscutting to determine extension of ore in depth. The places for such follow-up work will be chosen after the surface stripping has shown the best ore on the surface. At the west end of the property, the veins are entirely concealed by overburden but as this is the topographically low country, it is of importance to investigate the veins at this end so that the mining can be carried out most economically. Veins are followed across overburden by presence of yellow antimony stain.

If applicant had given more information about what has already been exposed in open pits on the veins and had presented assays to show that the material is antimony in promising amounts, it is probable that this application could be approved, at least as to the bulldozing and diamond drilling, without further investigation. However, the information presented is so sketchy that it should be checked by the field team. Success of the project would depend upon applicant's interpretation of 3 parallel veins, which needs to be checked. It is possible that the existing exposures are sufficient to show that the prospect has no value, or possibly the yellow staining in the overburden may be some other material than antimony.

I recommend, therefore, that application be referred to the field team.

Edwin T. McKnight

Edwin T. McKnight
Geologist

Rec'd May 9 '51 N.B.

Air Mail

SYRINGA DEVELOPMENT ASSOCIATION

2101 Ellis Ave.

Boise, Idaho.

May 7, 1951

DMA Docket File. DMA-1036x

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

Attn: Mr Landon F. Strobel
Executive Secretary

Dear Mr Strobel:

Enclosed is completed form MF-103 with pertinent attachments, submitted in accordance with your letter datedMay 2, 1951, concerning the application of the above named association. I hope that it will now meet with your requirements.

Sincerely,

J.M. Carr

J.M. Carr
President & General Manager

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 1036x

Date received 5-9-51

Participation

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

Syringa Development Association
2101 Ellis Ave.
Boise, Idaho

Name and address of applicant

Date May 7, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $41,000

Mineral or metal Mineral

Percentage of Government participation 75%

Location of mine Yellow Pine District, Idaho

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available DMA-1036x

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? See MF-100

*2. If a partnership, state names and addresses of partners. See MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See MF-100

*5. Are you the owner or the lessee of the property? See MF-100

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. Not applicable.

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 Attachment No. 1.

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)? Applicant prepared invest $10,000. Yes, it is sufficient.

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

16—04067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See Attachment No. 2.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See No. 2.

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 MF-100

*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 MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See MF-100
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See MF-100

15. State in detail how the ore could be shipped and how and where milled. (See MF-100.

*16. History: See MF-100

(*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: See MF-100

(*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 MF-100

(*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. See Attachment No. 3.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Antimony, Tungsten & Axllied minerals.

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Attachment No. 4.

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 MF-100 and attachments thereto

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.

(*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. See Attachment No. 5.

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 Attachment No. 6.

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.

Syringa Development Association
(Name of company)

By J.M. Carr
(Signature of authorized official)

May 7, 1951
(Date)

President & General Manager
(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

ATTACHMENT NO. 1.

Syringa Development Association. . . . . 2101 Ellis Ave., Boise, Idaho

8. Financial Statement of Association:

Assets:

Cash on Hand	$4000.00
Invested in development, including development expenditures, geology, water rights, power site, etc.	6000.00
Testing Equipment	500.00
Total Assets	10,500.00

Liabilities:

None.

Profits and Losses:

None.

Attachments No. 2.

Syringa Develolment Association. . . . . .2101 Ellis Ave., Boise, Idaho

10. (a) Mining Claims as follows:
Power Nos. 1 & 2
Syringa Nos. 1, 2, 3 &4
Claims filed at Cascade, Idaho, County Seat of Valley County.

(b) T18N R8E Sec 9, Yellow Pine district, Valley County, Idaho.

ATTACHMENT NO. 3

Syringa Development Association.. ... . 2101 Ellis Ave., Boise, Idaho

19. Circumstances and committments of the bulldozer operator required use of the equipment in stripping of overburden starting May 10, 1951. Therefore, if application is approved, it is requested that the contract be dated as of May 10, 1951.

ATTACHMENT NO. 4

Syringa Development Association . . . . . .2101 Ellis Ave, Boise, Idaho

21. Proposed work is that of stripping of overburden from area where geology and cropings and color streaks indicate presence of antimony and tungsten; tunnel work and diamond drilling to prove continuity of deposits. It is anticipated that this work will take five to six months.

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 1036x

Date received 5-9-51

Participation

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

Syringa Development Association
2101 Ellis Ave.
Boise, Idaho

Name and address of applicant

Date May 7, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $41,000

Mineral or metal Mineral

Percentage of Government participation 75%

Location of mine Yellow Pine District, Idaho

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available DMA-1036x

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? See MF-100

*2. If a partnership, state names and addresses of partners. See MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See MF-100

*5. Are you the owner or the lessee of the property? See MF-100

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. Not applicable.

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 Attachment No. 1.

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)? Applicant prepared invest $10,000. Yes, it is sufficient.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See Attachment No. 2.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See No. 2.

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.

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*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 MF-100

*13. State source and quantity of water available for operations and its sufficiency at all seasons. See MF-100
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See MF-100

15. State in detail how the ore could be shipped and how and where milled. (See MF-100.

*16. History: See MF-100

(*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: See MF-100

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

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

*18. Ore or mineral reserves: (If property is or has been operating.) See MF-100

(*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. See Attachment No. 3.

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20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Antimony, Tungsten & Axllied minerals.

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it See Attachment No. 4.

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 MF-100 and attachments thereto

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.

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

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(*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. See Attachment No. 5.

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 Attachment No. 6.

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.

Syringa Development Association
(Name of company)

By J.M. Carr
(Signature of authorized official)

May 7, 1951
(Date)

President & General Manager
(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

ATTACHMENT NO. 1.

Syringa Development Association. . . . . 2101 Ellis Ave., Boise, Idaho

8. Financial Statement of Association:

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Testing Equipment	500.00
Total Assets	10,500.00

Liabilities:

None.

Profits and Losses:

None.

Attachments No. 2.

Syringa Develolment Association. . . . . .2101 Ellis Ave., Boise, Idaho

10. (a) Mining Claims as follows:
Power Nos. 1 & 2
Syringa Nos. 1, 2, 3 &4
Claims filed at Cascade, Idaho, County Seat of Valley County.

(b) T18N R8E Sec 9, Yellow Pine district, Valley County, Idaho.

ATTACHMENT NO. 3

Syringa Development Association.. ... . 2101 Ellis Ave., Boise, Idaho

19. Circumstances and committments of the bulldozer operator required use of the equipment in stripping of overburden starting May 10, 1951. Therefore, if application is approved, it is requested that the contract be dated as of May 10, 1951.

ATTACHMENT NO. 4

Syringa Development Association . . . . . .2101 Ellis Ave, Boise, Idaho

21. Proposed work is that of stripping of overburden from area where geology and cropings and color streaks indicate presence of antimony and tungsten; tunnel work and diamond drilling to prove continuity of deposits. It is anticipated that this work will take five to six months.

ATTACHMENT NO. 5

Syringa Development Association . . . . . .2101 Ellis Ave., Boise, Idaho

23. (a) 1 Mining Engineer @$18 per day; 1 Construction Engineer @$18 per day; 1 surveyor and 1 sampler @$15 each per day; 1 miner at $12 per day; 2 muckers and 1 timberman @ $12 each per day.

(b) See item (a) above which includes supervisors.

(c) None

(d) Lodging and meals available at Yellowpine, 4 miles distance. Construction of storage and shop shed estimated at $1000.00.

(e) 1 compressor @$2000.00; 2 drills @$1000; 1 truck @$3000.00.

(f) $100 per day for bulldozer caterpillar and $6 per foot for diamond drilling.

(g) None.

(h) Powder, caps and fuses @$2.25 per foot of tunnel for total of 300 feet tunnel. Blasting equipment $10.00 and hand tools $50.00.

(i) No costs at present.

ATTACHMENT NO. 6

Syringa Development Association. . . . . 2101 Ellis Ave., Boise, Idaho

24. During 1st 30 days :

2 men surveying and sampling.	$700.00
Bulldozer work stripping @$100 per day.	1000.00
Supervision by Mining Engineer	500.00
Trips & incidentals. . . . . ;	400.00

During next 60 days:

Bulldozing of overburden 50 days at $100 per day	5000.00
1st tunnel of 200 feet @$25 per foot.	5000.00
Diamond drilling of 2000 feet @$6 per foot.	12,000.00
Supervision by Mining Engineer.	1000.00
Equipment necessary.	6500.00

During next 60 days:

Bulldozing overburden 30 days @100 per day.	3000.00
Second tunnel of 100 feet @$25 per foot.	2500.00
Completion of diamond drilling of 1000 feet @$6 per foot..	6000.00
Supervision by Mining Engineer	1000.00

Note: The above at estimates which will vary depending upon findings and size of ore bodies located during exploration.

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 1036 X

Date received 5-9-51

Participation

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

Syringa Development Association
2103 Hills Ave.
Boise, Idaho

Name and address of applicant

Date May 7, 1951

FILL IN THIS BLOCK

Date of application April 12, 1951

Estimated cost $41,000

Mineral or metal Mineral

Percentage of Government participation 75%

Location of mine Yellow Pine District, Idaho

Date of filing MF-100 April 12, 1951

DMA Docket Number, if available DMA-1036x

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? See MF-100

*2. If a partnership, state names and addresses of partners. See MF-100

*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders. See MF-100

*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project. See MF-100

*5. Are you the owner or the lessee of the property? See MF-100

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. Not applicable.

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 Attachment No. 1.

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)? Applicant prepared invest $10,000. Yes, it is sufficient.

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

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property. See Attachment No. 2.

(*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted. See No. 2.

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 [illegible]-100

*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 [illegible]-100

*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 [illegible]-100

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work. See [illegible]-100

15. State in detail how the ore could be shipped and how and where milled. See [illegible]-100.

*16. History: See [illegible]-100

(*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: See [illegible]-100

(*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 [illegible]-100

(*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. See Attachment No. 3.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted? Antimony, Tungsten (Allied minerals.)

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it. See Attachment No. 4.

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 [illegible]-100 and attachments hereto

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.

(*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. See Attachment No. 5.

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 Attachment No. 6.

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.

Spring Development Association
(Name of company)

By J. M. Carr
(Signature of authorized official)

May 7, 1951
(Date)

President & General Manager
(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

ATTACHMENT NO. 1.

Syringa Development Association. . . . . 2101 Ellis Ave., Boise, Idaho

8. Financial Statement of Association:

Assets:

Cash on Hand	$4000.00
Invested in development, including development expenditures, geology, water rights, power site, etc.	6000.00
Testing Equipment	500.00
Total Assets	10,500.00

Liabilities:

None.

Profits and Losses:

None.

Attachments No. 2.

Syringa Develolment Association. . . . . .2101 Ellis Ave., Boise, Idaho

10. (a) Mining Claims as follows:
Power Nos. 1 & 2
Syringa Nos. 1, 2, 3 &4
Claims filed at Cascade, Idaho, County Seat of Valley County.

(b) T18N R8E Sec 9, Yellow Pine district, Valley County, Idaho.

ATTACHMENT NO. 3

Syringa Development Association.. ... . 2101 Ellis Ave., Boise, Idaho

19. Circumstances and committments of the bulldozer operator required use of the equipment in stripping of overburden starting May 10, 1951. Therefore, if application is approved, it is requested that the contract be dated as of May 10, 1951.

ATTACHMENT NO. 4

Syringa Development Association . . . . . .2101 Ellis Ave, Boise, Idaho

21. Proposed work is that of stripping of overburden from area where geology and cropings and color streaks indicate presence of antimony and tungsten; tunnel work and diamond drilling to prove continuity of deposits. It is anticipated that this work will take five to six months.

ATTACHMENT NO. 5

Syringa Development Association . . . . . .2101 Ellis Ave., Boise, Idaho

23. (a) 1 Mining Engineer @$18 per day; 1 Construction Engineer @$18 per day; 1 surveyor and 1 sampler @$15 each per day; 1 miner at $12 per day; 2 muckers and 1 timberman @ $12 each per day.

(b) See item (a) above which includes supervisors.

(c) None

(d) Lodging and meals available at Yellowpine, 4 miles distance. Construction of storage and shop shed estimated at $1000.00.

(e) 1 compressor @$2000.00; 2 drills @$1000; 1 truck @$3000.00.

(f) $100 per day for bulldozer caterpillar and $6 per foot for diamond drilling.

(g) None.

(h) Powder, caps and fuses @$2.25 per foot of tunnel for total of 300 feet tunnel. Blasting equipment $10.00 and hand tools $50.00.

(i) No costs at present.

ATTACHMENT NO. 6

Syringa Development Association. . . . . 2101 Ellis Ave., Boise, Idaho

24. During 1st 30 days :

2 men surveying and sampling.	$800.00
Bulldozer work stripping @$100 per day.	1000.00
Supervision by Mining Engineer	500.00
Trips & incidentals. . . . . ;	400.00

During next 60 days:

Bulldozing of overburden 50 days at $100 per day	5000.00
1st tunnel of 200 feet @$25 per foot.	5000.00
Diamond drilling of 2000 feet @$6 per foot.	12,000.00
Supervision by Mining Engineer.	1000.00
Equipment necessary.	6500.00

During next 60 days:

Bulldozing overburden 30 days @100 per day.	3000.00
Second tunnel of 100 feet @$25 per foot.	2500.00
Completion of diamond drilling of 1000 feet @$6 per foot..	6000.00
Supervision by Mining Engineer	1000.00

Note: The above at estimates which will vary depending upon findings and size of ore bodies located during exploration.

FILE COPY
SURNAME:

Bourret
Strobel

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

May 2, 1951

Air Mail

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

Re: DMA - 1036x

Dear Mr. Weissenborn:

Your letter of April 17, enclosing copies of Form MF-100 completed by The Syringa Development Association, has been received.

We are sure you appreciate that applications for exploration assistance should always be submitted in quadriplicate on Form MF-103, a supply of which you will find enclosed.

Copies of Form MF-103, as per the copy of letter attached, have been forwarded directly to Mr. James M. Carr, President of The Syringa Development Association. We are indeed sorry to put Mr. Carr to all this trouble, but it will not be necessary for him to duplicate all the data submitted on MF-100.

Yours very truly,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

Enclosure

WBourret/mh
cc: Adm. Reading File
Strobel
A. S. Kemp
Field Team, Region II
Mr. Bourret
Files

FILE COPY
SURNAME:

Bourret
Stafford

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

May 2, 1951

Air Mail

Mr. James M. Carr, President & General Manager
The Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Dear Mr. Carr:

Your application for an exploration and development loan under covering letter of April 12, has been received from Mr. A. E. Weissenborn, Executive Officer, Field Team, Region II.

Your application has received Docket No. DMA-1036x which is the reference for any further communication thereon.

Applications for such assistance should be executed on Form MF-103, copies of which are enclosed. We shall postpone review of this application until receipt of the completed forms.

These forms can be forwarded either directly to the above address or to Mr. Weissenborn in Spokanne, Washington.

Yours very truly,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

WBourret/mh
cc: Adm. Reading File
Mr. Strobel
Mr. Mittendorf
A. S. Kemp
Field Team Region II
Mr. Bourret
Files

DMA 1036

856

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

May 2, 1951

Air Mail

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

Re: DMA - 1036x

Dear Mr. Weissenborn:

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Yours very truly,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

Enclosure

WBourret/mh
cc: Adm. Reading File
Strobel
A. S. Kemp
Field Team, Region II
Mr. Bourret
Files

FILE COPY
SURNAME:

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

April 26, 1951

Mr. James M. Carr, President
Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Subject: DMA-1036 X
Re: Loan
Syringa Mine

My dear Mr. Carr:

Receipt is acknowledged of your application and attachments of April 12 from the SYRINGA DEVELOPMENT ASSOCIATION for a Government loan under the Defense Production Act of 1950.

The application was assigned Docket Number 1036 X and referred to Mr. Weston G. Bourret, Acting Chief, Minor and Rare Metals Branch, on April 23.

In any future correspondence relating to your application, kindly refer to DMA-1036 X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:aec
copies to Strobel-2
Files
Mr. Bourret
Mr. Lyon

April 20, 1951

SYRINGA DEVELOPMENT ASSOCIATION

IDAHO

DMA 1036

DMA 1036

P5-6

118695

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Washington, D. C.
August 1945

THE YELLOW PINE DISTRICT, VALLEY COUNTY, IDAHO

By E. D. White

Introduction

The Yellow Pine district is in central Idaho, about 110 miles northeast of Boise, and about 70 miles by road northeast of the town of Cascade on State Highway 15. The Yellow Pine mine, in the east-central part of the district, was one of the largest domestic producers of tungsten ores from 1942 to January 1945; it also yielded more than 50 percent of our domestic antimony ores from 1938 to 1945. The Hermes mine, 2 miles east of the Yellow Pine mine, was the second largest producer of quicksilver in the United States in 1943, but was closed down early in 1944. In spite of the importance of these strategic metals, the greatest mineral resource of the district is low-grade gold ore, the value of which exceeds that of all the other minerals combined.

The geology of the district was mapped by D. E. White and R. H. Carpenter during a period of 2½ months in the summer of 1940. The map is released at this time primarily to show the geologic setting of the Yellow Pine mine, first studied in 1939 by D. E. White (U. S. Geol. Survey Bull. 922-I, Antimony deposits of the Yellow Pine district, Valley County, Idaho, a preliminary report, by D. E. White. 1940), and again, in much greater detail, in 1943, by John R. Cooper (report in preparation for publication.)

Bedrock exposures in this part of Idaho are obscured by fairly dense vegetation, by soil on the hill-slopes, and by glacial debris in the valleys. Consequently the geologic contacts shown in the map are located only approximately in many places.

Geology

Rocks

The rocks mapped consist of two series of metamorphosed sedimentary rocks (designated the older (?) metamorphic series and the younger (?) metamorphic series), Mesozoic granodiorite of the Idaho batholith, Tertiary volcanic rocks and associated dikes, landslide material, and glacial debris and alluvium.

Older (?) metamorphic series.--The schist and quartzite exposed in the north-central and southwestern parts of the district are believed to be the oldest rocks in the area and may be a part of the pre-Cambrian Belt series. Two formations are present, the lower consisting of at least 4,000 feet of quartzite, and the upper of approximately 1,000 feet of dark mica schist. Individual beds of the quartzite consist principally of gray, coarsely recrystallized quartz accompanied by some feldspar and mica. They have a maximum thickness of about 4 feet and an average thickness of 1 foot and are commonly separated by much thinner beds of dark mica schist. A few scattered discontinuous lenses and pods of limestone occur in the upper part of the formation.

The schist of the upper formation is dark colored and contains muscovite, biotite, and quartz with variable amounts of sillimanite, cordierite, chlorite, and tourmaline. It is similar in general appearance to some of the mica schist of the lower formation.

Younger (?) metamorphic series.--The younger (?) metamorphic series, consisting of quartzites, dolomites, limestone, conglomerates, and schists, occurs in several pendants, separated by areas of granodiorite, in the eastern and southern parts of the district. The total thickness of the series and the details of the stratigraphic succession were not determined because the sequence of rocks appears to be different in each of the areas where the series occurs, and the various sequences have not been correlated. Repetition of the same succession of rocks was found only in an overturned syncline in the eastern part of the mapped area, southeast and northwest of the Fern mine.

The quartzites in the younger series are generally white and massive, and consist largely of coarse-grained, recrystallized quartz. The dolomites are generally white or buff in color, in contrast to the less numerous limestones which are usually gray or blue-gray. The two conglomerate formations are white to gray in color and contain rounded boulders of quartzite in a matrix that is principally recrystallized quartz. The schists are generally dark, consisting in large part of quartz and mica; in places they are gneissic. A second type of schist which now ranges widely in mineral composition, consisted originally of an impure calcareous rock which graded into limestone and dolomite.

Idaho batholith.--The Idaho batholith was intruded into the metamorphic rocks, probably late in Mesozoic time. The contacts of the igneous rocks with the older(?) metamorphic series are gradational, with igneous stringers penetrating the metasedimentary rocks, and with inclusions of metasedimentary rocks in the granodiorite. The contacts shown on the map were placed arbitrarily where the metamorphic and igneous rocks were estimated to be equally abundant. The contacts between the batholith and the younger (?) metamorphic series are abrupt.

Granodiorite is the most abundant igneous rock in the area mapped, followed by quartz monzonite, quartz diorite, aplite, and pegmatite. The typical granodiorite of the district is medium- to coarse-grained, and is characterized by inconspicuous gneissic banding which is most prominent adjacent to the contacts of the intruded rocks. Some of the granodiorite is distinguished by a finer grain size, a lighter color, and less prominent banding. It is apparently gradational

into and slightly younger than the typical granodiorite and may even be much younger, possibly of Tertiary age. Aplite dikes are common in the Yellow Pine mine and also occur in other parts of the district.

Middle-tertiary volcanic rocks.--Flows and breccias of middle-Tertiary age probably covered the entire area, but have been eroded from all but the eastern part. The volcanic rocks are probably related to various types of dikes that cut the granitic and older rocks, particularly in the eastern portion of the area mapped. Many of the dikes are too small to be shown on the map.

The most abundant type of dike is composed of rocks of intermediate composition, such as latite, dacite, or andesite; this type is generally light green on fresh surfaces, and contains a few large phenocrysts of feldspar and some quartz. A second type of dike consists of altered basalt with chilled borders and calcite-filled amygdules, indicating intrusion near the surface. These dikes have been found only in the Meadow Creek and Johnson Creek fault zones, near the creeks of those names, where they commonly form the walls of some of the ore bodies. A third, scarce type of dike rock consists of rhyolite; the only one large enough to be shown on the map is in the Meadow Creek fault zone near the Meadow Creek mine.

Structure

The main structural features in the area mapped are pre-batholith folds and minor faults in the metamorphic rocks, and post-batholith faults along Johnson and Meadow Creeks.

The rocks of the older (?) metamorphic series, which crop out in the northwest part of the area mapped, are mostly inclined 10° to 40° to the southeast, and have not been so extensively folded as the rocks to the southeast. The metamorphic rocks of the younger (?) series are compressed into northwest-trending folds which are cut by pre-batholith faults that strike northeast. Within the younger (?) series exposed in the southern part of the area mapped, a thrust fault is suggested by the irregular contacts of the quartzite with schist and dolomite.

The Johnson Creek and Meadow Creek faults, the major faults in the area mapped, strike north, and are joined by subsidiary faults that strike northeast. The Meadow Creek fault is a zone commonly several hundred feet wide, and is accompanied by abundant gouge and microbrecciation for a distance of 1 mile north and 2 miles south of the Yellow Pine mine. The fault subdivides and appears to die out completely a few miles north of the Yellow Pine mine.

Geologic history

The geologic record in the Yellow Pine area starts with the deposition of two thick series of sedimentary rocks in late pre-Cambrian or early Paleozoic time. These sedimentary rocks were folded, regionally metamorphosed, and faulted before they were invaded by the late Mesozoic Idaho batholith. Early in Tertiary time, several prominent north- and northeast-striking fault zones were developed, accompanied by renewed movement on at least some of the pre-batholith faults.

Very extensive erosion took place after the intrusion of the batholith and before the extrusion of the flows and breccias of the middle Tertiary volcanism. These flows and breccias probably extended over the whole area.

The ore minerals were deposited, for the most part, in the principal zones of faulting and brecciation, either during or soon after the extrusion of the volcanic rocks. Before and during the early stages of mineralization, a regional tilting of the rocks to the east took place, accompanied by adjustments on the major north-south fault zones. Further erosion removed the volcanic rocks from all but the eastern part of the district, producing an erosional surface of moderate relief. The direction of early movement on the faults apparently was then reversed, resulting in a regional tilting to the west and a renewal of movement on the prominent fault zones.

Pleistocene glaciation modifies only slightly the pre-existing stream pattern. Small glacial cirques are found on the northern and northeastern slopes of nearly all mountains with altitudes of more than 7,500 feet. The largest glacier in the western part of the mapped area came down the valley of Johnson Creek and during its retreat left several well-developed terminal moraines. The largest glacier in the eastern part of the area came down the valley of Meadow Creek and the East Fork, apparently to a point a little beyond the junction of Sugar Creek. Most of the other glaciers were small and traveled only short distances.

Post-glacial landslides are found in several parts of the area, particularly along the east side of Johnson Creek. These landslides may have been caused partly by oversteepening of the valley walls as a result of glaciation. The only landslide that has been active recently is at the Meadow Creek mine, above the town of Stibnite. This landslide may become active again if the debris becomes sufficiently soaked with moisture.

Ore deposits

Ore deposits in the district are divided into several groups, based on the type of mineralization, as follows: (1) gold-tungsten-antimony deposits, (2) tungsten deposits, (3) antimony deposits, and (4) quicksilver deposits. All of the deposits in the district, except several small contact metamorphic tungsten deposits, are believed to be Tertiary in age, and are probably related genetically to the volcanic rocks. The depth of mineralization is believed to have been relatively shallow, on the order of several thousand feet, because of: (1) the very extensive brecciation of the ore bodies, (2) the fine-grained texture of most of the ore and gangue minerals, and (3) the association of ore with dike rocks showing chilled and amygdaloidal borders. Where the different metals occur in the same deposit, the sequence of mineralization appears to be gold-tungsten-antimony. The age relations of quicksilver to the other metals is not known, but cinnabar and stibnite are found together in the Bonanza prospect on Sugar Creek.

Gold-tungsten-antimony deposits

Yellow Pine mine.--The Yellow Pine mine, the most important in the district, was first worked for its gold and antimony ore in 1937. The tungsten ore, discovered in 1941 in diamond-drill cores, was entirely concealed beneath glacial

outwash material in the valley of the East Fork. Most of the high-grade tungsten ore was exhausted by January 1945. The future production of the mine will be mainly from the large reserve of gold and antimony ore.

The mineralization in the Yellow Pine mine occurred in several stages, each related to a period of movement and renewed brecciation along the fault zone in which the ore bodies are localized. During the first stage of mineralization pyrite, arsenopyrite, gold, and a gangue of orthoclase and quartz were introduced. During the second stage, scheelite, a minor amount of tungstenite, and quartz, dolomite, and a little orthoclase were deposited. In the final stage of the main mineralization, stibnite, accompanied by quartz, dolomite, calcite, and a little silver, was introduced. The tungsten ore is restricted to a shallow depth, but the gold and antimony ore extend at least several hundred feet below the bottom of the tungsten ore body, although the gold-antimony ore body narrows at depth.

The origin of the Yellow Pine ore body and the shallow depth of the tungsten mineralization have been explained by a number of hypotheses. The one that seems best to fit the facts postulates changes in direction of movement on the Meadow Creek fault since the fault was first active. The localization of scheelite mineralization within a narrow vertical range may be a result of a steepening of the dip of the main Meadow Creek fault zone a short distance below the surface. Such a steepening would cause a tightening of the tungsten-bearing structures at depth.

Ore may also have been localized in two nearby areas that have not yet been prospected, partly because the bedrock is concealed by glacial debris and soil. These are: (1) east of the Yellow Pine mine, in the east wall of the Meadow Creek fault zone, and (2) southwest of the mine, west of the fault zone and of the old working called the Monday tunnel.

Meadow Creek mine.--The Meadow Creek mine produced antimony and gold from about 1930 until it was closed in 1938. The ore bodies are somewhat higher in gold and antimony content, but are smaller and more expensive to mine than those of the Yellow Pine mine, and they contain only a little tungsten. The area immediately south of the present workings and underlying the valley of Meadow Creek is believed to be the most favorable untested area in the district. It has not yet been adequately prospected because of the very thick glacial overburden.

Silver Cliff mine.--The Silver Cliff deposit, 3 miles south of the town of Yellow Pine, contains large reserves of very low-grade gold ore in an extensive zone of brecciated and altered granodiorite on the west branch of the Johnson Creek fault zone. A number of small lenses of stibnite have been found at the surface, but none were seen in the main underground tunnel. The presence of scheelite has been reported, but no tungsten ore bodies of any economic significance had been found to September 1944.

Other gold-antimony-tungsten deposits.--The Homestake and other bodies of gold ore have been found on the extension of the Meadow Creek fault northeast of the Yellow Pine mine and in the metamorphic rocks east of the mine. In general, antimony is scarce in these deposits outside of the Yellow Pine and Meadow Creek mine areas, and only traces of tungsten have been found.

Tungsten deposits

In the eastern part of the district a small amount of scheelite has been found in contact metamorphic deposits in dolomite and limestone, adjacent to granodiorite. The contact deposits are related to the Idaho batholith, and are believed to be distinct from and entirely unrelated to the scheelite associated with the gold and antimony ores. Contact metamorphic silicates are abundant at the Murray prospect, on Garnet Creek, 1½ miles northeast of the town of Stibnite, but only very small amounts of scheelite have been found. Another area of contact silicates accompanied by a few grains of scheelite is on the east side of Fern Creek, 3 miles east of Stibnite. The silicates have also been found in a number of other localities near the contacts of granodiorite and limestone or dolomite, but none of these localities are known to contain tungsten.

Antimony deposits

Antimony deposits are scattered throughout the district, but for the most part occur within a distance of 1 mile from the Johnson Creek or Meadow Creek fault zones. The antimony deposits are probably related to the gold-tungsten-antimony deposits. They generally consist of small, high-grade veins or lenses of stibnite in coarse-grained quartz veins, accompanied by a very small amount of gold and by variable amounts of silver. The known antimony veins occur for the most part in fractures or faults of small displacement.

The antimony Ridge mine is the only deposit from which an appreciable quantity of ore has been mined. The total amount is about 1,000 tons of ore containing 45 percent of antimony. The ore consists largely of stibnite in well-defined north-striking quartz veins arranged in an en echelon system which strikes N. 50° E. The extent of the ore at depth is not known, but a short tunnel near the west end of the vein system, at an altitude of 6,850 feet, did not intersect the veins.

Quicksilver deposits

The quicksilver deposits are in the eastern part of the district in dolomite formations of the younger (?) metamorphic series. Only one of the deposits, located on the north side of Sugar Creek, contains stibnite associated with cinnabar.

Bonanza-Hermes mine.--The Bonanza-Hermes mine has been the principal producer of quicksilver in the district, but has been active for only short intervals since its discovery in 1902. The mine achieved second place among domestic producers for a period of several months during 1943, but its total production until mining ceased early in 1944 is only on the order of 5,000 flasks of quicksilver. The deposit consists of impregnations of cinnabar in fractured and altered dolomitic limestone that dips vertically. The ore-bearing formation is bounded by quartzite.

Fern mine.--The Fern mine is in dolomite, a short distance west of a pre-granodiorite fault of large displacement. The ore bodies are believed to be small, and of low to moderate grade.

* * *

ATTACHMENT NO. 6

SYRINGA DEVELOPMENT ASSOCIATION . . . . . 2101 Ellis Ave., Boise, Idaho

18. Additional conditions and circumstances affecting over-all operation:

(1) With reference to Question No. 3 (a) of the Application Form, it is desired to point out that present road from Cascade, Idaho, to the Syringa Group is a graded, improved forest service road which is kept open the year around. This would make possible operation of the mining property 12 months each year.

(2) Another factor that will have a great deal of bearing at a later date relative to getting the ore to market, is the fact that an improved road is to be built this summer from McCall, Idaho, to Yellow Pine, which would then make McCall the nearest town and shipping point. The distance to McCal, which is almost due west of the Syringa Group, would be 28 miles via the new road. This road is to be constructed under provisions of the Mine-to-Market Access Road Bill.

(3) Reference is also made to Question No. 2 of the Application relative to smelters. In this connection the Bradley Mines smelter is located about 20 miles east of the Syringa Group, accessable by improved forest service road the year round. Bradley Smelter has advised that it would accept custom ore, which would make possible smeltering of ore produced by the Syringa Group mines almost at the site and shipment of concentrate to market.

ATTACHMENT NO. 1

SYRINGA DEVELOPMENT ASSOCIATION - - - 2101 Ellis Ave., Boise, Idaho

GENERAL TECHNICAL DATA

(Question No.2)

2. The name of the mine is "Syringa Mine;" quartz type; no mill or smelter; no drilling operations.
   (a) None
   (b) None
   (c) None
   (d) 6 pits, open, all in ore. Total 80 linear feet.

Mine is not flooded, therefore there is no pumping problem.

ATTACHMENT NO. 2

SYRINGA DEVELOPMENT ASSOCIATION - - - 2101 Ellis Ave., Boise, Idaho

ENGINEERING AND GEOLOGICAL MANAGEMENT

(A) All engineering and geology for the Syringa Associates will be handled by Guy H. Herbert, Jr.

Qualifications

(1) Registered licensed professional engineer in mining. License No. 728.
Past Experience: Production Superintendent Colorado Zinc Mines, Panamint Springs, Cal. Produced most zinc in State of California first two years during war in said production reported to Economics Division, United States Bureau of Mines, C. W. Merrill, Supervisor.

(2) Superintendent and general manager Minas Carilpna S. A. Mexico.
Ores produced and shipped: gold, lead, copper.
Period: 6 years.
Other experience in mining capacity over a period of 14 years in the mining profession and some business and construction experience.

(B) Business management will be directed by Mr. James M. Carr, president & General Manager.

Qualifications

(1) During the past five years, Mr Carr has served as manager of the Veterans Administration Hospital in Boise, Idaho. This position involves all administrative responsibility for operation of the hospital, including direction of expenditure of approximately $1,400,000 per annum. He served as a full colonel throughout World War II and prior to the war operated private hardware stores in western Oregon. From 1926 to 1933 was partner manager of six retail merchandise stores in western Oregon. From 1933 to 1938 served as Subdistrict Commander of CCC in Idaho & Oregon. Between 1938 and 1940 operated hardware stores mentioned above.

(C) Construction engineer for program is Hubert Martin, head of Martin Construction Co., Boise, Idaho.

Attachment No. 2. Continued.

(C) continued: (Martin Construction Co.)

Qualifications

(1) The Martin Construction company, of which Mr Martin is head, is an established firm in Idaho. It handles both light and heavy construction as well as road and highway building, and excavation work. This firm has handled some $4,000,000 worth of work for the Bradley Mining property at Stibnite, Idaho, and is presently engaged in mining road construction in the Yellowpine area.

ATTACHMENT NO. 3

SYRINGA DEVELOPMENT ASSOCIATION . . . . 2101 Ellis Ave., Boise, Idaho

7. History:

No. 7 (a): not applicable.

No. 7 (b):

PRODUCTION OF ADJACENT PROPERTY TO THE

SYRINGA GROUP

The Antimony ridge group which lies approximately one mile north on the same ridge as the Syringa Group has produced high grade antimony which was sorted and shipped over a period of some three years; its production is not known but several carloads of assorted ores were shipped; some hand jigging of the finer ores was done successfully; the Bradley Mining property known as the Stibnite Open pit is approximately six miles east of the Syringa Group and the current production is a matter of record; ore reserves are known and more accurate information will be in the Government files and can be furnished. This operation, however, is one of the largest and most successful in Idaho. Similar types of structures are evidenced between the property quoted above.

No. 7 (c) See attached copy of letter from M.E. Volin, Chief Mining Division, Region II, U.S. Department of the Interior. (See next page)

7. History (continued)

(C O P Y)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Albany, Oregon
April 6, 1951

Mr Guy H. Herbert, Jr.
Route 6
Boise, Idaho

Dear Mr Herbert:

This will acknowledge your letter of April 3, 1951, requesting information concerning the Antimony Ridge-Pioneer Groups of mining claims and the investigations conducted by the Bureau of Mines in 1939 and 1940. Your letter also requested that any factual information regarding the work, particularly recommendations for development in these areas, be forwarded to Mr Weissenborn for attachment to your application for a DMA exploration-development loan on the Syringa Group, which I infer includes parts or all of the Antimony Ridge-Pioneer Groups.

The Bureau of Mines investigations are described in an unpublished report prepared by S.H. Lorain. This gives general information about the ore deposits and specifically describes bulldozer trenching work done on Antimony Ridge and the Pioneer claims. It appears that most of the work performed at Antimony Ridge was on the Bradley property. With respect to the Pioneer property, the report describes a number of small trenches and side hill cuts to find the source of some high-grade stibnite float appearing in rock slides and overburden on the west side of Antimony Ridge. Massive stibnite 16 inches wide was opened up at one point. The work was not carried forward because of the small crew available at that time.

The object of the Bureau of Mines investigation was to outline the areas of more intense mineralization. The report points to the Pioneer Group as a locality where further work should be done because of the indicated presence of high-grade antimony veins although it notes the possibility that these are "gash" veings of small size. The report recommends a future prospecting and exploratory program including deposits outlying to the Bradley, but not mentioning the Pioneer Group. This work was never done because the Bradley operations effectively exploited what was considered the best part of the antimony resources.

I hope that this information, though general, will be of some help to you in your application for a DMA exploration-development loan. If this office can be of further assistance to you, please do not hesitate to write me.

Sincerely yours,
S/M.E. Volin
M.E. Volin, Chief
Mining Division, Region II

ATTACHMENT NO. 4

SYRINGA DEVELOPMENT ASSOCIATION . . . .2101 Ellis Ave., Boise, Idaho

12. Ore or Mineral Reserves:
(a) **GEOLOGY OF ANTIMONY STRUCTURE ALONG JOHNSTONE CREEK FAULT AT RIORDAN CREEK**

District involved is Yellow Pine Mining District, Valley County, Idaho. Property is 4½ miles South of Yellow Pine just off the forest road to the North of Riordan Creek.

The writer has worked for a number of years to secure the true pattern of of fault action thus revealing the resultant fissuring and probable pattern for ore deposition.

The Johnstone Creek fault is one of the major faults running South to North with vertical displacement of several hundred feet. Thickness of the crushed zone is about 300 feet. Down-thrust due to heavy Pendant Pre-Cambian beds has caused a fracture presently occupied by Riordan Creek. This fracture is S 65° E thus giving a jointed granitic shear with parallel members taking a fracture course of N 57° E and resultant fissures a course of N 80° E.

The N 80° E fissures appear to be up to 30' in width with dip of 72° S. These fissures are filled with altered wall rock and silica residules. In these fissures where exposed heavy mineralization occurs. Antimony Sulphide is predominant in atleast one fissure of more than mineable width. Samples taken from visible material give an average of 20% Antimony. These samples give an analysis of no penalty elements above minimum allowable quantities. In the granite shear plane fills of Antimony occur of a size and quality atleast equal to if not greater than those at Stibnite, Idaho, open pit. In an adjacent large fissure float samples of schulite are found. This fissure has large bodies of Calcium Titanium Silicate exposed and it is assumed schulite is probably deposited along this type of fill. A third fissure exposed at higher elevation contains lead zinc in Sulphide form.

The writer recommends this structure above any others investigated in the Yellow Pine section for exploration. It is a reasonable conclusion that large deposits of profitable Antimony ore will be discovered and very probable that high grade bodies of tungsten will be found. All of this can be accomplished at a minimum of expense.

I, Guy H. Herbert, Jr., a certified, licensed professional engineer, mining, State of Idaho, do hereby certify that all of the facts set out herein are true and correct to the very best of my knowledge and belief.

REGISTERED PROFESSIONAL ENGINEER STATE OF IDAHO GUY H. HERBERT, JR.

Guy H. Herbert Jr.

Subscribed and sworn to before me this 28th day of March, 1951.

L. M. Greene

Notary Public for Idaho
Residence: Boise, Idaho

ATTACHMENT NO. 5

SYRINGA DEVELOPMENT ASSOCIATION . . . . . 2101 Ellis Ave., Boise, Idaho

12. (b)

GEOLOGY SUPPLEMENT FOR THE ATTACHED MAP ON THE SYRINGA GROUP

The geologic information given according to map legend is as near as possible the structural formation on the Johnson Creek and Riordan Creek fault system. The prospects giving value and those not giving value are in the form of open pits or deep trenches. It will be noted there is large mass of granites involved. These granites vary in character from fine grain granodiorites to course pegmatitics containing large feldspathic crystals. In the areas marked by the fissure system there has been considerable alteration and staining on the adjacent granites. Most of this staining is of the light yellow oxide antimony. The brown staining of titaniums and in some cases considerable staining corresponding to cobalt oxide bloom. On the fissure showing PB., ZN., SB., massive float specimens are found in the overburden all the way down Riordan Creek. In the prospect hole part above the last stripping area well mineralized body of quartz with good values is exposed approximately 20 feet in width. There are no croppings on the area marked as overburden. However, as is shown by the control map this is the area we must uncover for economy operation either by open pit or by drills. The diamond drill holes marked are probable locations. Results of the stripping would govern the placing of these drilling holes to prove the depth of ore. This stripping will start on the exposed fissure area marked "strip completely." Considerable information and probably considerable ore will be exposed at the point of shallow overburden. Estimated cost of this initial work on which the full program will be based is 10 days Caterpillar work at an estimated cost of $1,000.00. While this work is being done direct control and direction will be given by licensed mining engineer. Survey of results with assays will be furnished the Defense Minerals Administration immediately upon completion of the first work and their advice asked in planning further stripping operations. The bedded mineral quartzites and shales do not appear as a continuous body but are in line. These beds are immersed in the granitic magma with tongues of granite intruding and separating the bodies in places. There is no question in the writer's mind but what these bedded minerals acted as a roof pendant or blanket permitting concentration of fuming minerals or mineral solutions. The line of quartzites, particularly those showing garnetization or those altered epidote, contain scheelite concentrated in small fissure intersections and disseminated throughout the body. No scheelites have been found above these quartzite beds.

It is hoped this attachment and the map will furnish sufficient information to judge our application. A recent letter from Mr. Volin of the Albany

Branch, United States Bureau of Mines states he is filing for attachment prior records on this group of claims. Mr. Don White of the U.S.G.S. did considerable geology on this area and a letter has been written asking his cooperation in furnishing information.

Not all the claims in this particular group are included on this map, just those portions of the claims under the immediate development program are shown. Supplemental geologic maps will be furnished and should the findings justify expanded program, adjustments with permission of the DMA Field Force will be submitted.

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

(RECONSIDERED UNDER DOCKET DMEA-1572)

Docket No. dma 1036 X

Date received 4-20-51

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

Syringa Development Association
2101 Ellis Ave.
Boise, Idaho
Name and address of applicant

Date April 12, 1951

INSTRUCTIONS

This form is to be filed with Defense Minerals Administration, Department of the Interior, Washington 25, D. C. It should be accompanied by appropriate application form when a specific type of Government assistance is requested, in the form of (1) loan, (2) purchase contract, (3) Government guarantee of a private loan, (4) Necessity Certificate pursuant to the provisions of Sec. 124-A (Amortization Deduction) of Internal Revenue Code, 1950, (5) priorities or allocation of mining equipment, and maintenance, repair and operating supplies, and (6) other forms of Government assistance that might arise under the Act. Submit four (4) signed copies of the form and accompanying papers. Name and address should be stamped or typed on each sheet of this form and all accompanying papers. *When a question is inapplicable it should be so stated on the form.* Additional sheets may be attached in answering any questions or in supplying additional information. (IF YOU CANNOT ANSWER A QUESTION, SO STATE.) If a question is answered elsewhere indicate where answered. It is not necessary to answer it again.

GENERAL TECHNICAL DATA

Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

1. Materials produced: Not applicable (prospecting only)
   (*a*) What are the chief mine, mill, or smelter products?
   (*b*) What are the byproducts, if any?
2. Name(s) and type(s) of mine(s), mill(s), smelter(s), refinery(ies), pit(s), quarry (ies), drilling operation(s). Include old names of property, if any. Show extent of workings, including the following: (See Attachment No. 1 on name, etc.)
   (*a*) Linear feet of shafts. None
   (*b*) Linear feet of drifts and crosscuts. None
   (*c*) Linear feet of tunnels or adits. None
   (*d*) Linear feet of other mine openings (explain briefly). 6 pits, open, all in ore. Total 80 Linear Ft.
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity No flooding.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point. 65 miles north of Cascade, Idaho.
   (*b*) Mining district. Yellow Pine mining district.
   (*c*) Township, Section, Range. T 18N R 8E Sec 9.
   (*d*) County, State. Valley County, Idaho
4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No.
   (*b*) Are you operating this property as:
   - [x] Owner.
   - [ ] Lessee.
   - [ ] Contractor.
5. Number of years in production None
   If not in production or operation, estimated date when production will begin June 15, 1951
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. (See Attachment No. 2)
7. History:
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. (See Attachment No. 3 for History) etc.)
   (*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.

8. Names and addresses of Officers, Directors, or Partners, and in addition thereto, the five largest stockholders if applicant is a corporation.

Name and Address (a)	Official Title (If officer is also director indicate by "D") (b)	Total of Annual Salary, Commissions, Bonuses, Etc., Received From Applicant and Affiliates During Last Fiscal Year (c)	Estimated Net Worth Outside of Interest in Applicant (d)	Number of Shares Held in Applicant Corporation: Common (e)	Number of Shares Held in Applicant Corporation: Preferred (f)	Life Insurance Carried for Benefit of Applicant: Amount (g)	Life Insurance Carried for Benefit of Applicant: Net Cash Surrender Value After Loans (h)
James M. Carr VA Hospital, Boise, Idaho	President & Gen. Mgr. (D)	none	$50,000	Not Applicable		Not Applicable	
Guy H. Herbert, Jr Rt.6, Boise, Idaho	Mining Engineer (D)	"	35,000	"	"	"	"
Burton L. Moore 2101 Ellis Ave., Boise, Ida.	Sec-Treas. (D)	"	25,000	"	"	"	"
Hubert Martin Idaho Bldg., Boise, Idaho	Construction Engineer (D)	"	80,000	"	"	"	"
E.P. Whitaker 615 Linden, Boise, Idaho	Mechanical Engineer (D)	"	25,000	"	"	"	"
James G. Julius 1311 Juanita Dr., Boise, Ida	(D)	"	15,000	"	"	"	"
	Total		x x x x x			x x x x x	x x x x x

If more lines are needed continue on separate sheet.

9. Capital Stock Issues:

For Corporate Applicants

Item	Authorized (a)	Outstanding (b)	Par Value (c)	Number of Shares Outstanding (d)	Dividend Rate Last Paid* (e)
Common stock Not applicable	$	$	$		
Preferred stock Not applicable	$	$	$		

*Indicate period covered.

10. Production:

Item	Kind of Product (a)	1948 Total (b)	1949 Total (c)	1950 Total (d)	Present Average Monthly (e)
1. Quantity of product mined or quarried (Short, long, metric tons; barrels; pounds; etc.)	No production				
2. Quantity of product processed (specify unit of measure and type of process)	" "				
3. Quantity and grade of product sold or shipped (specify units of measure)	" "				

11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Not applicable

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geology and ore reserves. (See Attachment No. 4)

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) Prospecting					
Indicated (probable) SB_2 S-3	2000 Tons per day - 50 yr	Unknown	Unknown	Market	$6.00 per Ton

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. Forest Service improved road 4½ miles to Yellow Pine, which is supply & residence point.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Riordan Creek Association has water rights for minimum 10 Sec. ft. mining & power year round.

15. Power:

State amount of power used, rate per hour, and source thereof. Idaho Power Company substation ¼ mile from mine; available power 2500 KVA at current Idaho Industrial rate.

16. Labor: Not applicable.

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: Not applicable

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain.

(See Attachment No. 6)

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.

Syringa Development Association
(Name of company)

By J.M. Carr
(Signature of authorized official)

April 12, 1951
(Date)

President & General Manager
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

Form MF-100
(March 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Form approved.
Budget Bureau No. 42-R1026.

GENERAL TECHNICAL DATA
FOR USE UNDER THE
DEFENSE PRODUCTION ACT OF 1950

NOT TO BE FILLED IN BY APPLICANT

(RECONSIDERED UNDER DMEN-2572)

Docket No. dma 1036 X

Date received 4-20-51

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

Syringa Development Association
2101 Ellis Ave.
Boise, Idaho

Name and address of applicant

Date April 12, 1951

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Supply the following information on separate sheets, arranged, numbered, and lettered as indicated:

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4. (*a*) State whether or not property is now in operation, and if in operation, by whom operated. No.
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   - ☒ Owner.
   - ☐ Lessee.
   - ☐ Contractor.
5. Number of years in production None
   If not in production or operation, estimated date when production will begin June 15, 1951
6. Experience of operators:
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project. (See Attachment No. 2)
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   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation. (See Attachment No. 3 on history, etc.)
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16—63792-1

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Guy L. Herbert, Jr Rt.6, Boise, Idaho	Mining Engineer (D)	"	35,000	"	"	"	"
Burton L. Moore 2101 Ellis Ave., Boise, Ida.	Sec-Treas. (D)	"	25,000	"	"	"	"
Hubert Martin Idaho Bldg., Boise, Idaho	Construction Engineer (D)	"	80,000	"	"	"	"
E.P. Whitaker 615 Linden, Boise, Idaho	Mechanical Engineer (D)	"	25,000	"	"	"	"
James C. Julian 1311 Jaurdie St., Boise, Ida	(D)	"	15,000	"	"	"	"
	Total		x x x x x			x x x x x	x x x x x

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For Corporate Applicants

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11. Do you contemplate a change in the present average monthly rate of production? If so, state estimated maximum monthly production and basis of change. Not applicable

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ATTACHMENT NO. 1

SYRINGA DEVELOPMENT ASSOCIATION - - - 2101 Ellis Ave., Boise, Idaho

GENERAL TECHNICAL DATA

(Question No.2)

2. The name of the mine is "Syringa Mine;" quartz type; no mill or smelter; no drilling operations.
   (a) None
   (b) None
   (c) None
   (d) 6 pits, open, all in ore. Total 80 linear feet.

Mine is not flooded, therefore there is no pumping problem.

ATTACHMENT NO. 2

SYRINGA DEVELOPMENT ASSOCIATION - - - 2101 Ellis Ave., Boise, Idaho

ENGINEERING AND GEOLOGICAL MANAGEMENT

(A) All engineering and geology for the Syringa Associates will be handled by Guy H. Herbert, Jr.

Qualifications

(1) Registered licensed professional engineer in mining. License No. 728.
Past Experience: Production Superintendent Colorado Zinc Mines, Panamint Springs, Cal. Produced most zinc in State of California first two years during war in said production reported to Economics Division, United States Bureau of Mines, C. W. Merrill, Supervisor.

(2) Superintendent and general manager Mines Carilena S. A. Mexico.
Ores produced and shipped: gold, lead, copper.
Period: 6 years.
Other experience in mining capacity over a period of 14 years in the mining profession and some business and construction experience.

(B) Business management will be directed by Mr. James M. Carr, president & General Manager.

Qualifications

(1) During the past five years, Mr Carr has served as manager of the Veterans Administration Hospital in Boise, Idaho. This position involves all administrative responsibility for operation of the hospital, including direction of expenditure of approximately $1,400,000 per annum. He served as a full colonel throughout World War II and prior to the war operated private hardware stores in western Oregon. From 1926 to 1933 was partner manager of six retail merchandise stores in western Oregon. From 1933 to 1938 served as Subdistrict Commander of CCC in Idaho & Oregon. Between 1938 and 1940 operated hardware stores mentioned above.

(C) Construction engineer for program is Hubert Martin, head of Martin Construction Co., Boise, Idaho.

Attachment No. 2. Continued.

(C) continued: (Martin Construction Co.)

Qualifications

(1) The Martin Construction company, of which Mr Martin is head, is an established firm in Idaho. It handles both light and heavy construction as well as road and highway building, and excavation work. This firm has handled some $4,000,000 worth of work for the Bradley Mining property at Stibnite, Idaho, and is presently engaged in mining road construction in the Yellowpine area.

ATTACHMENT NO. 3

SYRINGA DEVELOPMENT ASSOCIATION . . . . 2101 Ellis Ave., Boise, Idaho

7. History:

No. 7 (a): not applicable.

No. 7 (b):

PRODUCTION OF ADJACENT PROPERTY TO THE

SYRINGA GROUP

The antimony ridge group which lies approximately one mile north on the same ridge as the Syringa Group has produced high grade antimony which was sorted and shipped over a period of some three years; its production is not known but several carloads of assorted ores were shipped; some hand jigging of the finer ores was done successfully; the Bradley Mining property known as the Stibnite Open pit is approximately six miles east of the Syringa Group and the current production is a matter of record; ore reserves are known and more accurate information will be in the Government files and can be furnished. This operation, however, is one of the largest and most successful in Idaho. Similar types of structures are evidenced between the property quoted above.

No. 7 (c) See attached copy of letter from L.E. Volin, Chief Mining Division, Region II, U.S. Department of the Interior. (See next page)

ATTACHMENT NO. 4

SYRINGA DEVELOPMENT ASSOCIATION . . . .2101 Ellis Ave., Boise, Idaho

12. Ore or Mineral Reserves:
(a) GEOLOGY OF ANTIMONY STRUCTURE ALONG JOHNSTONE CREEK FAULT AT RIORDAN CREEK

District involved is Yellow Pine Mining District, Valley County, Idaho. Property is 4½ miles South of Yellow Pine just off the forest road to the North of Riordan Creek.

The writer has worked for a number of years to secure the true pattern of fault action thus revealing the resultant fissuring and probable pattern for ore deposition.

The Johnstone Creek fault is one of the major faults running South to North with vertical displacement of several hundred feet. Thickness of the crushed zone is about 300 feet. Down-thrust due to heavy Pendant Pre-Cambian beds has caused a fracture presently occupied by Riordan Creek. This fracture is S 65° E thus giving a jointed granitic shear with parallel members taking a fracture course of N 57° E and resultant fissures a course of N 80° E.

The N 80° E fissures appear to be up to 30' in width with dif of 72° S. These fissures are filled with altered wall rock and silica residules. In these fissures where exposed heavy mineralization occurs. Antimony Sulphide is predominant in atleast one fissure of more than mineable width. Samples taken from visible material give an average of 20% Antimony. These samples give an analysis of no penalty elements above minimum allowable quantities. In the granite shear plane fills of Antimony occur of a size and quality atleast equal to if not greater than those at Stibnite, Idaho, open pit. In an adjacent large fissure float samples of schulite are found. This fissure has large bodies of Calcium Titanium Silicate exposed and it is assumed schulite is probably deposited along this type of fill. A third fissure exposed at higher elevation contains lead zinc in Sulphide form.

The writer recommends this structure above any others investigated in the Yellow Pine section for exploration. It is a reasonable conclusion that large deposits of profitable Antimony ore will be discovered and very probable that high grade bodies of tungsten will be found. All of this can be accomplished at a minimum of expense.

I, Guy H. Herbert, Jr., a certified, licensed professional engineer, mining, State of Idaho, do hereby certify that all of the facts set out herein are true and correct to the very best of my knowledge and belief.

REGISTERED PROFESSIONAL ENGINEER STATE OF IDAHO GUY H. HERBERT, JR.

Guy H. Herbert, Jr.

Subscribed and sworn to before me this 28th day of March, 1951.

L. M. Greene
Notary Public for Idaho
Residence: Boise, Idaho

ATTACHMENT NO. 5

SYRINGA DEVELOPMENT ASSOCIATION . . . . . .2101 Ellis Ave., Boise, Idaho

12. (b)

GEOLOGY SUPPLEMENT FOR THE ATTACHED MAP ON THE SYRINGA GROUP

The geologic information given according to map legend is as near as possible the structural formation on the Johnson Creek and Riordan Creek fault system. The prospects giving value and those not giving value are in the form of open pits or deep trenches. It will be noted there is large mass of granites involved. These granites vary in character from fine grain granodiorites to course pegmatitics containing large feldspathic crystals. In the areas marked by the fissure system there has been considerable alteration and staining on the adjacent granites. Most of this staining is of the light yellow oxide antimony. The brown staining of titaniums and in some cases considerable staining corresponding to cobalt oxide bloom. On the fissure showing FB., EN., SB., massive float specimens are found in the overburden all the way down Riordan Creek. In the prospect hole part above the last stripping area well mineralized body of quartz with good values is exposed approximately 20 feet in width. There are no croppings on the area marked as overburden. However, as is shown by the control map this is the area we must uncover for economy operation either by open pit or by drills. The diamond drill holes marked are probable locations. Results of the stripping would govern the placing of these drilling holes to prove the depth of ore. This stripping will start on the exposed fissure area marked "strip completely." Considerable information and probably considerable ore will be exposed at the point of shallow overburden. Estimated cost of this initial work on which the full program will be based is 10 days Caterpillar work at an estimated cost of $1,000.00. While this work is being done direct control and direction will be given by licensed mining engineer. Survey of results with assays will be furnished the Defense Minerals Administration immediately upon completion of the first work and their advice asked in planning further stripping operations. The bedded mineral quartzites and shales do not appear as a continuous body but are in line. These beds are immersed in the granitic magma with tongues of granite intruding and separating the bodies in places. There is no question in the writer's mind but what these bedded minerals acted as a roof pendant or blanket permitting concentration of fuming minerals or mineral solutions. The line of quartzites, particularly those showing garnetization or those altered epidote, contain scheelite concentrated in small fissure intersections and disseminated throughout the body. No scheelites have been found above these quartzite beds.

It is hoped this attachment and the map will furnish sufficient information to judge our application. A recent letter from Mr. Volin of the Albany

Branch, United States Bureau of Mines states he is filing for attachment prior records on this group of claims. Mr. Don White of the U.S.G.S. did considerable geology on this area and a letter has been written asking his cooperation in furnishing information.

Not all the claims in this particular group are included on this map, just those portions of the claims under the immediate development program are shown. Supplemental geologic maps will be furnished and should the findings justify expanded program, adjustments with permission of the DMA Field Force will be submitted.

ATTACHMENT NO. 6

SYRINGA DEVELOPMENT ASSOCIATION . . . . . 2101 Ellis Ave., Boise, Idaho

18. Additional conditions and circumstances affecting over-all operation:

(1) With reference to Question No. 3 (a) of the Application Form, it is desired to point out that present road from Cascade, Idaho, to the Syringa Group is a graded, improved forest service road which is kept open the year around. This would make possible operation of the mining property 12 months each year.

(2) Another factor that will have a great deal of bearing at a later date relative to getting the ore to market, is the fact that an improved road is to be built this summer from McCall, Idaho, to Yellow Pine, which would then make McCall the nearest town and shipping point. The distance to McCal, which is almost due west of the Syringa Group, would be 28 miles via the new road. This road is to be constructed under provisions of the Mine-to-Market Access Road Bill.

(3) Reference is also made to Question No. 2 of the Application relative to smelters. In this connection the Bradley Mines smelter is located about 20 miles east of the Syringa Group, accessable by improved forest service road the year round. Bradley Smelter has advised that it would accept custom ore, which would make possible smeltering of ore produced by the Syringa Group mines almost at the site and shipment of concentrate to market.

(*b*) If deposit is other than placer:

(1) Submit assay plans and/or sections showing location and size of proved (measured) and probable (indicated) ore or mineral reserve.

(2) State the tonnage (indicate type of ton) and grade of each class of ore reserve, as above, and show how computed. Tabulated total ore reserve as follows:

TOTAL ORE OR MINERAL RESERVES

Ore or Mineral Reserve	Estimated Tons (a)	Metal or Mineral Content Per Ton (Grade) (b)	Gross Value Per Ton (c)	Recoverable Unit Value Per Ton (d)	Estimated Cost of Production Per Ton (e)
Measured (proved) Prospecting					
Indicated (probable) SO_2 S-3	2000 Tons per day - 50 yr	Unknown	Unknown	Market	$6.00 per Ton

(*c*) If placer: Not applicable

(1) Give estimated total yardage and average marketable mineral content of each deposit.

(2) Submit map showing location of placer deposit and surrounding area, with all test holes or pits. Submit logs of each hole and test pit with depth and average value of each.

(3) Describe gravel, stating whether fine, medium or coarse; loose, tight, cemented, or frozen, and whether it contains stumps or boulders more than 1 foot in diameter; if so, how large, and in what proportion.

(4) Describe bedrock, giving type (granite, sandstone, shale, etc.) and state whether it is hard or soft, smooth, uneven or rough.

(5) Describe overburden, stating whether loose, tight, or cemented; fine or coarse textured; furnish estimate of average thickness and total amount.

(6) Tabulate the reserves using the form outlined above for ore or mineral reserves.

13. Access Roads:

Give road distances to shipping, supply and residence points, stating kind and condition of roads. Forest Service improved road 4½ miles to Yellow Pine, which is supply & residence point.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year. Fiordan Creek Association has water rights for minimum 10 sec. ft. mining & power year round.

15. Power:

State amount of power used, rate per hour and source thereof. Idaho Power Company substation ½ mile from mine; available power 200 kva at current Idaho Industrial rate.

16. Labor: Not applicable.

State number and classes (miners, muckers, millmen, etc.) of men employed during a recent representative payroll period.

17. Equipment and Facilities: Not applicable

Describe present equipment on the property, including buildings. (State condition.) List major pieces of equipment now owned or controlled and in serviceable condition available for this operation.

18. Are there any particular conditions or circumstances affecting your operations that are not described above? If so, explain. (See Attachment No. 6)

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.

Syringa Development Association
(Name of company)

By J.M. Carr
(Signature of authorized official)

April 12, 1951
(Date)

President & General Manager
(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.

U. S. GOVERNMENT PRINTING OFFICE 16—63792-1

dma 1036X

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

April 17, 1951

Mr. L. F. Strobel
Executive Secretary
Defense Minerals Administration
Washington 25, D. C.

Dear Mr. Strobel:

I am forwarding herewith four copies of an application for an exploration loan made by The Syringa Development Association, 2101 Ellis Avenue, Boise, Idaho, to explore an antimony-tungsten prospect in the Yellow Pine mining district, Valley County, Idaho. Mr. James M. Carr, President and General Manager, has filled out and signed four copies of NF-100 and he has attached certain information concerning his proposed method of exploration. We do not, of course, at the moment, have application forms for exploration contracts, and consequently we were unable to give these to Mr. Carter to fill out.

Sincerely yours,

A. E. Weissenborn

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

Enclosures

cc: Glenn Reed
~~Thor Kiilsgaard~~

BUREAU OF MINES
WASHINGTON, D. C.

APR 20 3 00 AM '51

dma 1036X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 8, Washington

April 17, 1951

Mr. James M. Carr
President and General Manager
The Syringa Development Association
2101 Ellis Avenue
Boise, Idaho

Dear Mr. Carr:

This will acknowledge receipt of your application for an exploration loan for The Syringa Development Association. This application is being forwarded today to the Defense Minerals Administration in Washington, D. C.

I note that you state in the application that there are six pits open in ore. I suggest that it might be helpful if you would have some of these exposures sampled and assayed and forward the results to us.

Sincerely yours,

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

AEW/bh

cc: Glenn Reed
L. F. Strobel

BUREAU OF MINES
WASHINGTON, D. C.

APR 20 3 00 AM '51

dma 1036X

THE SYRINGA DEVELOPMENT ASSOCIATION

2101 Ellis Avenue
Boise, Idaho

April 12, 1951

Dr. James Boyd,
Director,
U.S. Bureau of Mines
Washington 25, D.C.

Dear Dr. Boyd:

Enclosed is Form MF-100 being submitted for exploration and development loan for file with the Defense Minerals Administration, Department of the Interior, Washington, D.C. This application is submitted by the Syringa Development Association, which has been formed by a group of Idaho residents for the purpose of entering into and developing critical minerals needed in the defense effort.

The DMA form, along with necessary map of the area and supporting documents, has been completed by the mining engineer and other officials connected with the association. In addition, it is desired to point out that the Bureau of Mines has already done investigation work in the area covered by this application, as stated in the letter attached to the application form as Attachment No. 3. Complete report of this work may be found in the office of Mr M.E. Volin, Chief, Mining Division, Region II, Bureau of Mines office in Albany, Ore.

Bureau works not on this claim, but to NE of it. ?

Attached to this letter, as enclosure No. 1, is the proposed Development Program suggested by the association, along with a settlement plan which the association would like to recommend.

If additional information or data are desired, please advise and I will see that such a request is complied with immediately.

Very truly yours,

James M Carr

James M. Carr
President and General Manager

Encl. 1 DMA Application form
with Attachments

Enclosure No. 1

Syringa Development Association. . . . . .2101 Ellis Ave, Boise, Idaho.

DEVELOPMENT PROGRAM

Map enclosed with the application to the Defense Minerals Administration shows the stripping program and tunnel proposals. Diamond drill work will be as necessary to supplement and prove ore as shown by preliminary work.

Stripping of overburden as shown - cost figures taken from similar work on Sugar Creek by U.S. bureau of Mines. Ninety days @ $100 per day.	$ 9,000.00
Tunnel work - one long or three short 300 feet @$25.00	7,500.00
Equipment necessary - compressor, drills, ect.	6,500.00
Diamond drilling, 3000' @ $6.00 per foot	18,000.00
Total	41,000.00

Direction of this work will be by professional registered Engineer. Permission is asked for change in program with the consent of delegated Field men of the Defense Minerals Administration.

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SETTLEMENT PLAN

It is proposed that settlement on this project be approved upon the following basis:

Bulldozer work. . . . . $1000.00 on first stripping.

Surveying . . . . . Cost of 3 men for two weeks work.

Supervision by Registered Engineer..$500.00 for 1 month.

Trips and incidentals . . . . . Held to absolute minimum required.

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THE SYRINGA DEVELOPMENT ASSOCIATION

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Boise, Idaho

April 12, 1951

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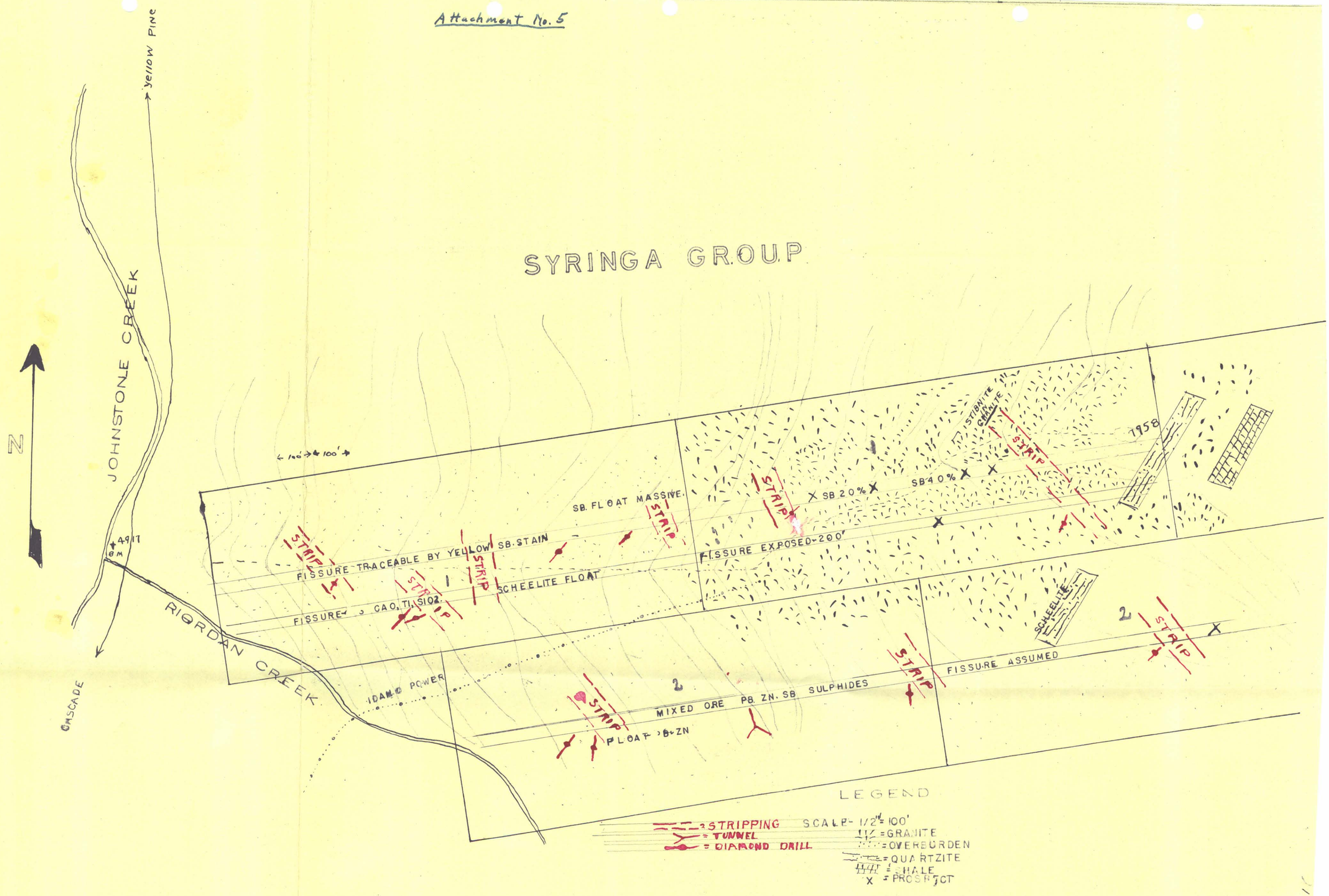
Attachment No. 5



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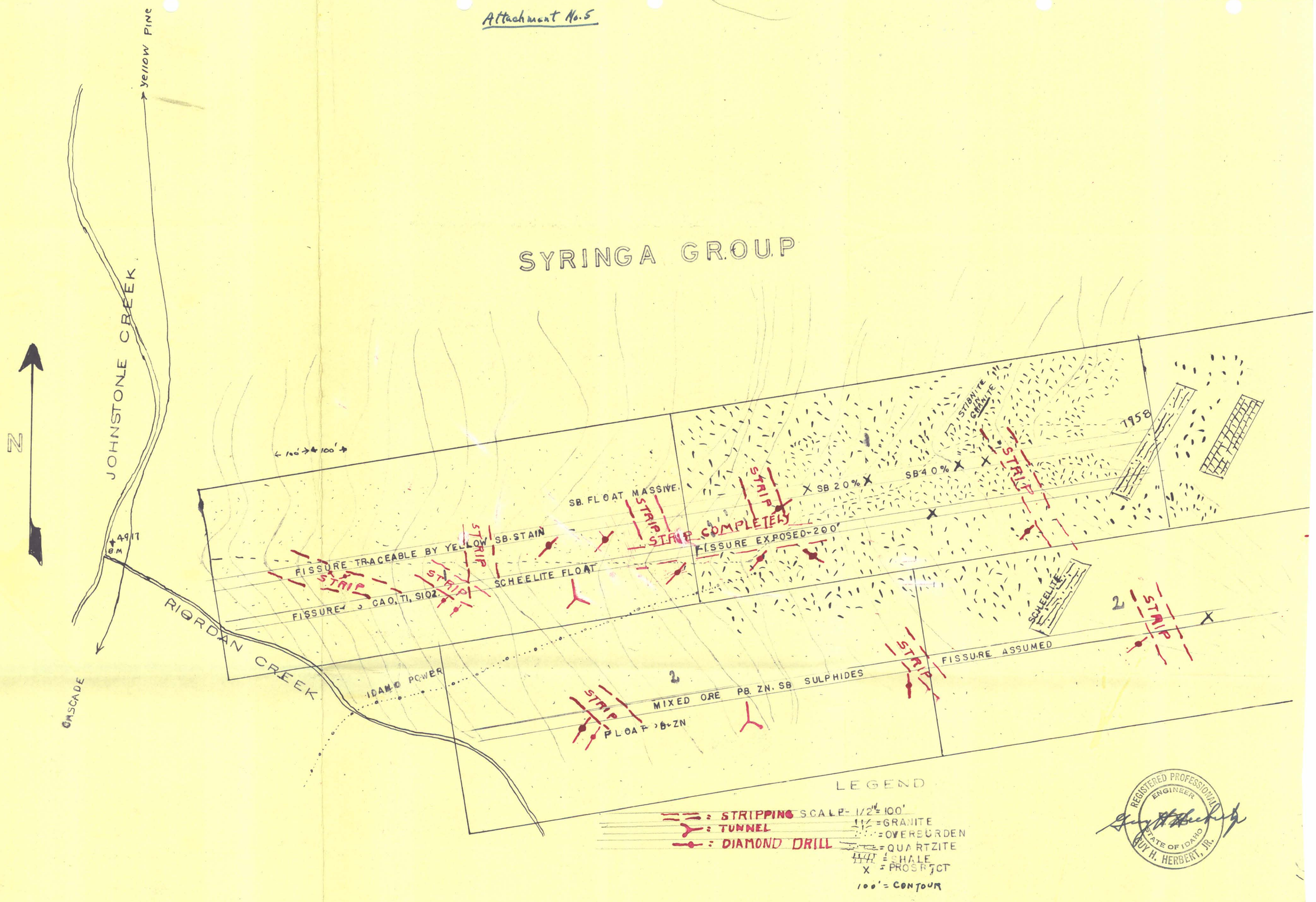
SYRINGA GROUP