DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1996

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

EXPLORATION LOAN

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:	CODE -330 Minor and Rare Metals	Date	8-23-51
To:	~~Hewes~~ + Wested	Date	9-18-51
To:	Adm. Mang-Lin	Date	9-19-51
To:	Reports and Records	Date	SEP 18 1951
To:		Date	
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aec

DO NOT DETACH

CONTROLLED DOCUMENT

Sept. 13

Mr. Hosted

Joe: I have read the attached and concur in the recommendation of the field team that the application be denied.

Hugh

I agree with recommendation of field team

JBH

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

SEP 18 1951

a.E.C.

Memorandum

To: Administrative Management Division

Through: Director, Supply Division

From: Minor and Rare Metals Branch

Subject: DMA docket 1996 - Uranium - Silver
Exploration Loan - Fairbanks, Alaska district

Under date of July 31, 1951, Mr. Walter Lindgren and Mr. Ernest Fultz, Box 349, Fairbanks, Alaska, submitted the subject application, DMA-1996, for an exploration loan in the amount of $20,000.00.

Attached hereto find letter of even date addressed to applicant denying the application because of insufficient evidence to indicate the geologic probability of making a significant discovery.

We herewith return the complete docket, comprised as follows:

(a) Form letter to applicant acknowledging application.
(b) 2 letters from field team I, enclosing application.
(c) 4 copies of MF-103.
(d) 1 copy of field team report.

Weston Bourret
Weston Bourret, Chief
Minor and Rare Metals

Enclosure

Approved: Sam Lyon
Director, Supply Division

FILE COPY
SURNAME:

Gordon
Bourret
Keiser

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

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Weston Bourret

Weston Bourret, Chief
Minor and Rare Metals

EGordon/mh 9-14-51
cc: Adm. Read. File
DMA docket file
Lyon
Bourret
Field team I
Keiser-Hosted, USGS

Approved:

Tom Lyon

Director, Supply Division

August 23, 1951

Walter Lindgren & Ernest Fultz
Box 349
Fairbanks, Alaska

Subject: DMA-1996
Re: Exploration Loan
Discovery Claim

My dear Mr. Lindgren:

This will acknowledge receipt of your application dated July 31, 1951 for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMA- 1996 and referred to the Minor and Rare Metals Branch.

Kindly refer to DMA- 1996 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams

Robert E. Adams, Chief
Reports and Records Unit

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

P. O. Box 2659
August 21, 1951

DMA 1996

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

Dear Sir:

Enclosed are copies of forms MF-100 and MF-103 covering the application of Malter Lindgren and Ernest Fultz, Box 349, Fairbanks, Alaska. Their application for exploration assistance pertains to their uranium and silver prospect near Fairbanks, Alaska.

This application is now being reviewed by the D.M.A. Field Team for Alaska and the Field Team report should be forthcoming soon.

Very truly yours,

William S. Twenhofel

William S. Twenhofel, Geologist
Field Team, Region I

Encls.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 23 1951

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

Docket No. DMA 1996

Date received DEPARTMENT OF THE INTERIOR Defense Minerals Administration 8-23-51

RECEIVED
AUG 23 1951

Malter Lindgren
Ernest Flutz
Box 349
Fairbanks, Alaska

Name and address of applicant

Date July 31, 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:
   (*a*) What are the chief mine, mill, or smelter products? None
   (*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:
   (*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): None
   Indicate whether mine is flooded or not. Describe any pumping problems. Give size or productive capacity.
3. For each operation listed above supply the following:
   (*a*) Distance and direction from nearest town and shipping point.
   (*b*) Mining district.
   (*c*) Township, Section, Range.
   (*d*) County, State. Refer to MF-103
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:
   ☐ Owner.
   ☐ Lessee.
   ☐ Contractor.
5. Number of years in production None
   If not in production or operation, estimated date when production will begin UNknown
6. Experience of operators: Refer to MF-103
   Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who manage the project.
7. History: Refer to MF-103
   (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for suspension of operation.
   (*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		Life Insurance Carried for Benefit of Applicant	
				Common (e)	Preferred (f)	Amount (g)	Net Cash Surrender Value After Loans (h)
Malter Lingren	Partner	None					
Ernest Fultz	Partner	None					
	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	$	$	$		
Preferred stock	$	$	$		

*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.)					
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.

12. Ore or Mineral Reserves:

(a) Describe the ore or mineral deposit briefly. Accompany the application by any available report on the geo ore reserves.

(*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)					
Indicated (probable)					

For information..... Refer to MF-103

(*c*) If placer:

(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.

14. Water Supply:

State source and quantity of water available for operations and whether sufficient for all seasons of year.

15. Power:

State amount of power used, rate per hour, and source thereof.

16. Labor:

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

17. Equipment and Facilities:

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.

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.

(Name of company)

By Walter Lindgren
(Signature of authorized official)

(Date)

Partner
(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-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 1996

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 23 1951

Date received 8-23-51

Participation

Walter Lindgren and
Ernest Fultz
Box 349
Fairbanks, Alaska

Name and address of applicant

Date July 31, 1951

FILL IN THIS BLOCK

Date of application July 31, 1951

Estimated cost $20,000.00

Mineral or metal Uranium & Silver

Percentage of Government participation 90%

Location of mine Fairbanks Mining & Recording District, Alaska

Date of filing MF-100

DMA Docket Number, if available 1996

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?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
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)?

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

    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.

*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.

*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.

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

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

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

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

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

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

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

THE EXPLORATION

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

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

    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.

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.

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.

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.

(Name of company)	By Walter Lindgren (Signature of authorized official)
(Date)	Partner (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

MF-103 - Continued

1. Partnership

2. Malter Lindgren and Ernest Fultz, Box 349, Fairbanks, Alaska

3. *****

4. Ernest Fultz - 15 years mining and prospecting
Malter Lindgren - 2 years " " "

5. Owner

6. None

7. Does not apply

8. Does not k apply

9. $2,000
Yes

10. DiscoveryClaim located on the ridge between Fox Creek and Flume Creek, Fairbanks Mining and Recording District SW¼ of Sec. 9,T2N, R1E, F.M. and Base Line

11. None

12. The property is located approximately two miles from the Livengood road about 16 miles from Fairbanks. The Livengood road is a good all weather road. The trail from the property to the highway could be made into an all weather road with very little work.

13. Ample water is available in either Fox Creek or Flumb Creek.

14. None

15. The ore could be shipped via truck to Fairbanks, thence via rail and water to the States.

16. This property was originally staked by Gustav Scharf who put down a number of small pits and trenches which are all caved in and filled with debris. In 1947 the property was relocated by Tuny F. Anderson of Fairbanks, who bulldozed some trenches exposing some narrow veins of lead-silver sulfides in three different places. These trenches are also caved in. In July, 1951, the property was again relocated by Malter Lingren and Ernest Ritz. One sample was taken of material excavated from one of the old pits and two samples from one oof the bulldozer trenches which gave the following assays:

	Gold oz.	Silver Oz.	Lead	Est. Uranium Oxide	Val ue
1	.06	174.30	Not Determined	.004%	$158.09
2	.28	151.34	" "	.	$146.01
3	.56	99.72	" "	.002%	$109.35

The above assays were run by Donald J. Cook, Territorial Assay Office, College. Additional samples were taken into the U.S.G.S. Trace elements laboratory at College. They estimated some samples to go as high as0.05% uranium oxide.

17. No production

18. Sufficient work has not been done to give any reliable data on the extent or grade of this deposit. The ore shoots appear to be one or more narrow veins of lead and silver sulfides. Strike and dip cannot be determined from existing work.

19. None

20. Uranium - Silver - lead

21. It is proposed to explore the area by additional bulldozer trenches. And if further work is justified to sink some pits or shallow shafts on the best surface showings. It is estimated this work will be completed within two years.

22. Geology of the deposit is unknown.

23.

(a)	2 miners 4000 hrs. @ 2.50	$	10,000
(b)	None		
(c)	None		
(d)			1,000
(e)	None		
(f)	None		
(g)	D8 Caterpillar 400 hrs. @ $12.00		4,800
	Compressor & Hoist 10 Mo. @ $100.00		1,000
(h)	Supplies		3.200
(i)	None		
		$	20,000

24. It is impossible to set up a time schedule for this work as surface work such as bulldozing cannot be carried on during the winter months in this area.

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

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Docket No. Dm A 1996

Date received DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED AUG 23 1951 8-23-51

Participation

Walter Lindgren and
Ernest Fultz
Box 349
Fairbanks, Alaska

Name and address of applicant

Date July 31, 1951

FILL IN THIS BLOCK

Date of application July 31, 1951

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Mineral or metal Uranium & Silver

Percentage of Government participation 90%

Location of mine Fairbanks Mining & Recording District, Alaska

Date of filing MF-100

DMA Docket Number, if available 1996

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

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.

(Name of company)	By Mabley Lindgren (Signature of authorized official)
(Date)	Partner (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

MF-103 - Continued

1. Partnership

2. Malter Lindgren and Ernest Fultz, Box 349, Fairbanks, Alaska

3. *****

4. Ernest Fultz - 15 years mining and prospecting
Malter Lindgren - 2 years " " "

5. Owner

6. None

7. Does not apply

8. Does not apply

9. $2,000
Yes

10. DiscoveryClaim located on the ridge between Fox Creek and Flume Creek, Fairbanks Mining and Recording District SW¼ of Sec. 9,T2N, R1E, F.M. and Base Line

11. None

12. The property is located approximately two miles from the Livengood road about 16 miles from Fairbanks. The Livengood road is a good all weather road. The trail from the property to the highway could be made into an all weather road with very little work.

13. Ample water is available in either Fox Creek or Flumb Creek.

14. None

15. The ore could be shipped via truck to Fairbanks, thence via rail and water to the States.

16. This property was originally staked by Gustav Scharf who put down a number of small pits and trenches which are all caved in and filled with debris. In 1947 the property was relocated by Tury F. Anderson of Fairbanks, who bulldozed some trenches exposing some narrow veins of lead-silver sulfides in three different places. These trenches are also caved in. In July, 1951, the property was again relocated by Malter Lingren and Ernest Fltz. One sample was taken of material excavated from one of the old pits and two samples from one oof the bulldozer trenches which gave the following assays:

	Gold oz.	Silver Oz.	Lead	Est. Uranium Oxide	Val ue
1	.06	174.30	Not Determined	.004%	$158.09
2	.28	151.34	" "	.	$146.01
3	.56	99.72	" "	.002%	$109.35

The above assays were run by Donald J. Cook, Territorial Assay Office, College. Additional samples were taken into the U.S.G.S. Trace elements laboratory at College. They estimated some samples to go as high as0.05% uranium oxide.

17. No production

18. Sufficient work has not been done to give any reliable data on the extent or grade of this deposit. The ore shoots appear to be one or more narrow veins of lead and silver sulfides. Strike and dip cannot be determined from existing work.

19. None

20. Uranium - Silver - lead

21. It is proposed to explore the area by additional bulldozer trenches. And if further work is justified to sink some pits or shallow shafts on the best surface showings. It is estimated this work will be completed within two years.

22. Geology of the deposit is unknown.

23.

(a)	2 miners	4000 hrs. @ 2.50	$ 10,000
(b)	None		
(c)	None		
(d)			1,000
(e)	None		
(f)	None		
(g)	D8 Caterpillar	400 hrs. @ $12.00	4,800
	Compressor & Hoist	10 Mo. @ $100.00	1,000
(h)	Supplies		3.200
(i)	None		
			$ 20,000

24. It is impossible to set up a time schedule for this work as surface work such as bulldozing cannot be carried on during the winter months in this area.

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 1996

Date received DEPARTMENT OF THE INTERIOR Defense Minerals Administration RECEIVED AUG 23 1951 8-23-51

Participation

Walter Lindgren and
Ernest Fultz
Box 349
Fairbanks, Alaska

Name and address of applicant

Date July 31, 1951

FILL IN THIS BLOCK

Date of application July 31, 1951

Estimated cost $20,000.00

Mineral or metal Uranium & Silver

Percentage of Government participation 90%

Location of mine Fairbanks Mining & Recording District, Alaska

Date of filing MF-100

DMA Docket Number, if available 1996

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?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
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)?

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

    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.

*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.

*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.

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

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

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

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

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

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

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

THE EXPLORATION

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

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

    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.

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.

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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.

(Name of company)	By Walter Lindgren (Signature of authorized official)
(Date)	Partner (Title)

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

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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION
~~WASHINGTON 25, D.C.~~
P. O. Box 2990
Juneau, Alaska

September 6, 1951

Administrator
Defense Minerals Administration
U. S. Department of the Interior
Washington, D. C.

Dear Sir:

Enclosed are four copies of the D.M.A. Field Team report on an application for an exploration loan submitted by Malter Lindgren and Ernest Fultz, P. O. Box 349, Fairbanks, Alaska.

Forms MF-103 and MF-100, (not numbered) were forwarded to your office under date of August 21, 1951.

Very truly yours,

S. H. Lorain, Executive Officer
Alaska Field Team, Region I

By: J. A. Herdlick
Alternate

Enclosure

DEFENSE MINERALS
ADMINISTRATION
WASHINGTON, D.C.
SEP 10 3 15 PM '51

REPORT OF ALASKA FIELD TEAM
Uranium and Silver

Application for Exploration Contract, Lindgren and Fultz,
Fairbanks, Alaska
(Between Fox and Flume creeks, Fairbanks District, Alaska)

INTRODUCTION

Malter Lindgren and Ernest Fultz, P. O. Box 349, Fairbanks, Alaska, submitted on July 31, 1951, their application forms MF-103 and MF-100 to the D.M.A. Field Team, Region I. The applicants request Government assistance in exploration on the basis that their prospect contains uranium and silver. Uranium is one of the metals listed on MO-5 as eligible for Government assistance to the extent of 90 percent of the total cost of exploration. Silver is not considered a strategic or critical metal and hence deposits containing only silver are not eligible for Government assistance in exploration.

The applicants' prospect is on the ridge between Fox and Flume creeks in the SW¼ sec. 9, T. 2 N., R. 1 E., Fairbanks Meridian.

The Field Team has no knowledge of any Government or private reports that describe the applicants' prospect. The evaluation set forth herein is based on the information supplied by the applicants in their application and on data submitted by the Trace Elements Unit of the Geological Survey. At the request of the Field Team the Trace Elements Unit examined the prospect on Aug. 19, 1951.

DESCRIPTION OF PROSPECT

Helmuth Wedow, Jr., Chief of the Alaskan Trace Elments Unit, reports in part as follows on his examination of the applicants' prospect:

"The showings of the argentiferous galena ore occur in only three of a number of dozen trenches and old pits that are scattered on the divide between Fox and Flume creeks. The country rock is a highly weathered fine-grained quartz diorite which is apparently an unmapped offshoot of the main mass of the Pedro Dome quartz diorite to the north. The galena appears to occur mostly in small, narrow lenses in quartz-carbonate veins along several fracture systems. On the whole the structure is quite complex and much trenching would be required to work out enough geology for guiding subsequent exploration.

"The abnormal radioactivity at the prospect appears to be confined to highly weathered material in pockets along fractures in the galena ore material and to some extent to heavily iron-stained rock along fractures in the granitic rock. Of the several samples previously submitted to the Survey laboratory at College, the sample of galena showing the greatest radioactivity when analysed radiometrically was found to contain 0.01 percent <u>equivalent</u> uranium. Clayey material from a pocket in the galena contains a maxium of 0.025 percent equivalent uranium. Although chemical assays for uranium were

attempted on these samples, the relatively high content of lead interfered with the process used by our laboratory. Other tests, however, show that the radioactive element is uranium, but the radioactivity is not sufficient to warrant further work on the samples.

"In conclusion it appears that the radioactive material at the Lindgren and Fultz prospect is probably a surficial concentration of uranium by precipitation from percolating ground water. It will probably not persist or increase with depth."

CONCLUSIONS AND RECOMMENDATIONS

The Field Team recommends that the application of Lindgren and Fultz for assistance in exploring their uranium and silver prospect be denied. The reasons for such recommendation are:

1. The principal valuable metal in the prospect is silver, (according to the applicants' data samples contained from 99 to 174 ounces of silver per ton), which is not eligible for Government assistance as it is not considered either strategic or critical.

2. The maxium content of radioactive material from the prospect is only 0.01 percent of equivalent U_3O_8; whereas, the minimum content of U_3O_8 required for ores purchased by the Atomic Energy Commission is 0.1 percent of U_3O_8.

3. The geologic data presently at hand indicate the improbability of discovering ores containing a higher percent of uranium than is now known.

FIELD TEAM, REGION I

S. H. Lorain Executive Officer
S. H. Lorain, Regional Director
Region I, U. S. Bureau of Mines

William S. Twenhofel
William S. Twenhofel, Geologist
U. S. Geological Survey