DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1566 X Manganese

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

~~Coordinating Committee~~
To: ~~Field Team Region II~~ Date ~~July 18, 1951~~

To: Coordinating Comm. Date July 20, 1951

To: ~~Field Team Region II~~ Date ~~July 23, 1951~~

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

To: _____ Date _____

DO NOT DETACH

CONTROLLED DOCUMENT

DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1566X

DO NOT DETACH THIS SLIP

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

This document has been recorded as

_____

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

Routing Slip

To:	Supply Division	Date	10/9/51
To:	Reports and Records	Date	OCT 9 1951
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	
To:		Date	

DO NOT DETACH

CONTROLLED DOCUMENT

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

OCT 9 1951

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From Manganese Branch

Subject: DMA-1566X Manganese, Exploration Project $12,270
Louis F. Lepp
Whitehall, Montana

Property: Sunbeam Claim
Madison County, Montana

The subject application was referred to the field team on July 20, 1951, for an examination and appraisal. Their report indicates the property is low grade and does not merit an exploration loan; therefore, the application is denied.

The deposit is a bedded iron formation 3 to 8 feet thick containing streaks and blebs of manganese ore. The only recorded production is a shipment of 18 tons of ore assaying 19.2 percent manganese which was hand-sorted.

A five-foot sample cut across the exposed portion of the bed, five feet north of the adit portal, assayed 9.1 percent manganese and 48.8 percent iron, and another cut sample assayed only 2.5 percent manganese.

George B. Holderer
Chief, Manganese Branch

Attachments

Approved:

Acting Director, Supply Division

340

FILE COPY
SURNAME:

Holderer
Dockets

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

OCT 9 1951

a.b.l.

Memorandum

To: Reports and Records Unit

Through: Director, Supply Division

From Manganese Branch

Subject: DMA-1566X Manganese, Exploration Project $12,270
Louis F. Lepp
Whitehall, Montana

Property: Sunbeam Claim
Madison County, Montana

The subject application was referred to the field team on July 20, 1951, for an examination and appraisal. Their report indicates the property is low grade and does not merit an exploration loan; therefore, the application is denied.

The deposit is a bedded iron formation 3 to 8 feet thick containing streaks and blebs of manganese ore. The only recorded production is a shipment of 18 tons of ore assaying 19.2 percent manganese which was hand-sorted.

A five-foot sample cut across the exposed portion of the bed, five feet north of the adit portal, assayed 9.1 percent manganese and 48.8 percent iron, and another cut sample assayed only 2.5 percent manganese.

George B. Holderer

not stripped
R+R

George B. Holderer
Chief, Manganese Branch

Attachments

Approved:

A. B. Parsons

Acting Director, Supply Division

TJBallard:ll 10/6/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer
Field Team, Region II

FILE COPY
SURNAME:

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

Holderer
app

OCT 9 1951

Mr. Louis F. Lepp
Whitehall, Montana

In reply please refer to
DMA-1566X Manganese

Dear Mr. Lepp:

We have reviewed the report of our field engineers on your property and regret that we must deny your application for an exploration loan.

The deposit is low in manganese content. Two cut samples across the bed assayed only 9.1 and 2.5 percent manganese. Therefore, it does not appear advisable to do additional exploration work on the deposit.

Very truly yours,

A. B. Parsons 10/9

A. B. Parsons
Acting Director, Supply Division

TJBallard:ll 10/6/51
CC: DMA Docket File
Adm. Reading File
Mr. Holderer
Field Team, Region II

List of File to Reports and Records Unit
DMA -1566X Manganese

1 Form MF-103 & attachment
1 copy letter Strobel to Lepp
1 copy field team report
1 copy letter Lyon to Lepp
1index file sent to field team.

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

September 27, 1951

Memorandum

To: Tom Lyon, Chairman Coordinating Committee

From: Field Team, Region II

Subject: Sunbeam (Lepp Manganese) Property
Madison County, Montana
DMA Docket No. 1566 X

Enclosed are four copies of a report by J. J. Quinlan, U.S.G.S., on the subject property.

On the basis of Mr. Quinlan's report it is recommended that the application be denied.

By Field Team, Region II

A. E. Weissenborn, Exec. Officer
(U. S. Geological Survey)

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

Enclosures

cc: U.S.B.M.

OFFICIAL FILE COPY

To	Init.	Date
34.	QEC	10.1-
210		

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

August 29, 1951

Memorandum

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

From: J. J. Quinlan, Geologist, U.S.G.S.

Subject: Sunbeam (Lepp Manganese) Property
Madison County, Montana
DMA Docket No. 1566X

RECOMMENDATIONS

The DMA field examiner recommends that the applicantion of the Lepp partnership for an exploration loan in the amount of $12,270 on the Sunbeam (Lepp Manganese) property, Madison County, Montana, be denied.

The Sunbeam (Lepp Manganese) deposit is a bedded iron deposit 3 to 8 feet thick containing streaks and blebs of manganese ore. The bed is too low-grade in manganese to warrant a DMA exploration loan.

APPLICANT

The applicant is the partnership of Louis F. Lepp and Ella C. Lepp, Whitehall, Montana. Neither partner has had any great amount of mining experience. Louis Lepp is the Chevrolet dealer in Whitehall, Montana. Ella C. Lepp, the wife of Louis F. Lepp, is a housewife.

OWNERSHIP

The Lepp partnership rights to the Sunbeam claims are held by quartz lode mining claim locations. Mr. Lepp stated the claims were located in 1935, and the notice of the annual assessment work or intention to hold has been filed each year as required by law.

At the time of the DMA examination two other location notices were seen on the property. These location notices were posted at the portal of the upper adit, one the Black Beauty claim, located October 12, 1950, by L. A. Sherrel, Butte, Montana, the other the Black Beauty claim, located July 25, 1951, by J. R. McCanders, and M. E. Sherrel, Butte, Montana.

No check of the county records was made by the DMA field examiner.

LOCATION AND ACCESSIBILITY

The Sunbeam (Lepp Manganese) property is in the foothills of the northwestern portion of the Tobacco Root Range, 6 miles south of Whitehall, Montana, and 5 miles northeast of Waterloo, Montana. The main workings are at an elevation of 5800 feet above sea level and 950 feet above the floor of the Jefferson Valley.

The Sunbeam (Lepp Manganese) property consists of four unpatented quartz lode mining claims in sec. 5, T. 1 S., R. 4 W., M.P.M., Renova mining district, Madison County, Montana.

HISTORY AND PAST PRODUCTION

The applicant was unable to furnish any information concerning the history of the property prior to his location in 1935. Examination showed that the property might be the Iron King claim described by J. T. Pardee. Pardee reports that several years before his examination, the Iron King claim shipped a moderate amount of iron and manganiferous ore to Butte, Montana. 1/

The applicant made no attempt to develop or exploit the property until World War II. At that time the property was leased to Mr. Jackman and Mr. Ogle of Butte, Montana. The Federal Government built an access trail to the mine for the Jackman-Ogle lease. 18 tons of ore assaying 19.2 percent manganese were produced by this operation. This is the only recorded past production from the property.

PROPOSED EXPLORATION PROGRAM

The purpose of the proposed exploration is to cut and explore the iron manganese bed 250 feet below its exposure in the upper adit.

1/ Pardee, J. T., Some Manganese Deposits in Madison County, Montana, Contributions to Economic Geology 1918, U.S.G.S. Bull. 690, pp. 141-142.

The applicant proposes to extend the lower adit crosscut N 75° E, 100 feet to cut the iron-manganese bed, and to drift 300 feet north along this bed to a point under the showing in the upper adit. (See map).

Before the applicant undertakes the exploration program, he proposes to build 1¼ miles of access road to the property from Jefferson Valley. The cost of the access road is to be included as a part of the cost of the project.

GEOLOGY

A 3 to 8 feet thick bed rich in limonite and hematite, and containing streaks and blebs of psilomelane, pyrolusite, and wad is exposed in the upper adit and in several trenches. The Iron bed is at the top of the transition zone between the upper shale member of the Flathead (Cambrian) quartzite and the overlying Gallitin (Cambrian) limestone. The bed strikes north and dips approximately 53° west in the vicinity of the upper adit. The iron-manganese mineralization also occurs along transverse fractures for short distances from the bed. (See geologic map).

It is evident that the richer stringers and blebs of manganese have been removed by selective mining operations. Inspection of a small stock pile of ore left by the Jackman-Ogle lease showed that the ore shipped by them came from such stringers and blebs of manganese within the iron bed, and was not representative of the bed as a whole. The ore shipped by the Jackman-Ogle lease assayed 19.2 percent manganese.

A 5 foot cut sample across the exposed portion of the bed 5 feet north of the adit portal assayed 9.1 percent manganese, and 48.8 percent iron. A picked sample of manganese ore from this same location assayed 52.9 percent manganese, 3.2 percent iron, 2.2 percent silica, and no phosphorus. A 3 foot cut sample across the bed as exposed in the raise assayed 2.5 percent manganese and 50.2 percent iron.

The iron-rich bed will be offset by the fault exposed at the portal of the lower adit. This fault strikes N. 85° E., and dips 58° to 78° north. The south side of the fault has moved west relative to the north side. No attempt was made to measure displacement along the fault; however, the displacement is in the magnitude of several hundred feet, as the beds exposed south of the fault at the portal of the lower adit belong to the upper shale member of the Flathead quartzite.

CONCLUSIONS

If the Sunbeam (Lepp Manganese) property is not the same as the Iron King Claim described by J. T. Pardee, it is most certainly on the same bed.

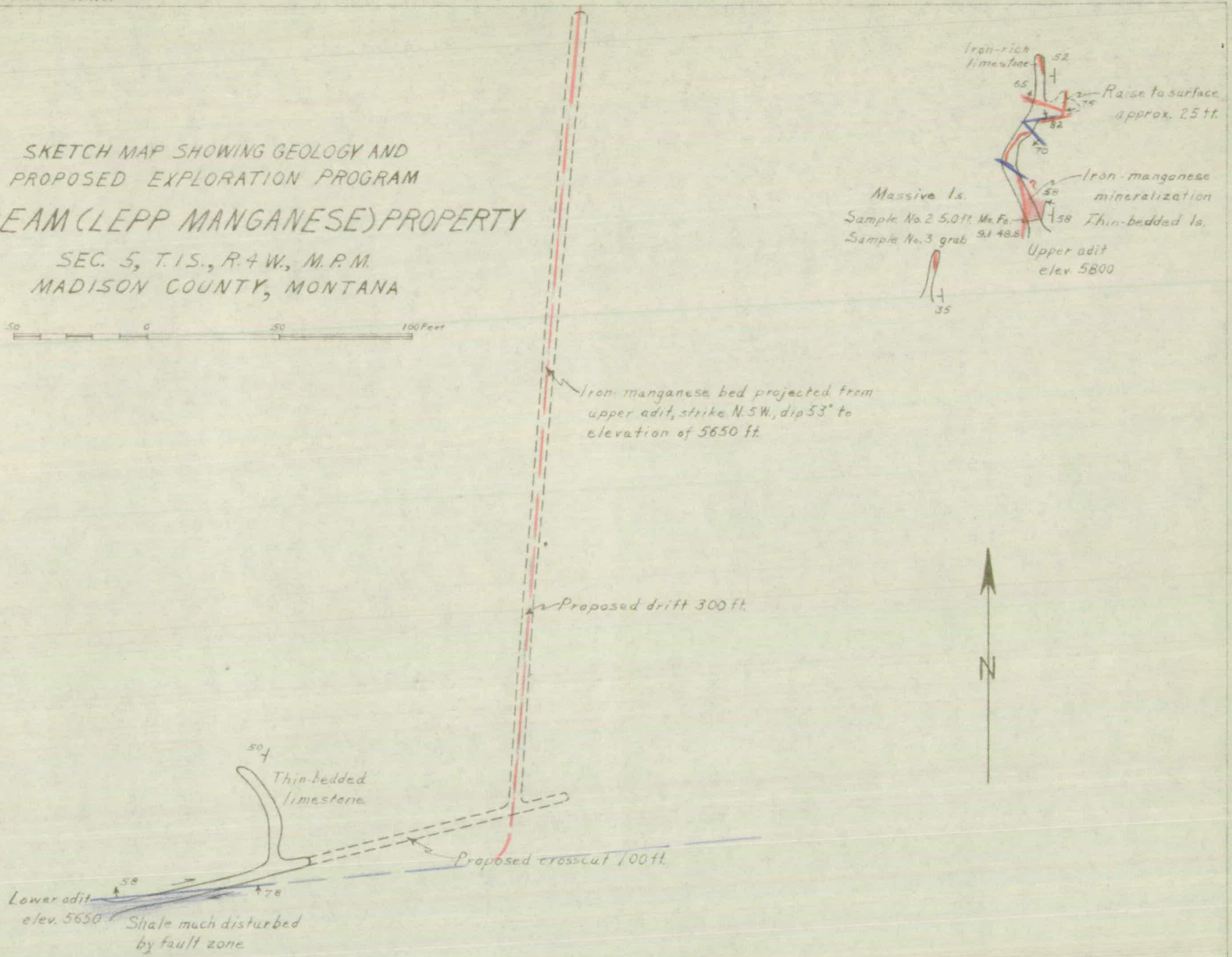
The manganese ore of the Sunbeam (Lepp Manganese) is low grade. The iron manganese bed assays less than 10 percent MnO_2. Sorted ore shipped by the Jackman-Ogle lease assayed 19.2 percent MnO_2. Manganese ore that could be developed by the proposed exploration would be equally low grade.

cc: U.S. Bur. Mines
Spokane, Wn.
Albany, Ore.
L. F. Strobel

SKETCH MAP SHOWING GEOLOGY AND PROPOSED EXPLORATION PROGRAM

SUNBEAM (LEPP MANGANESE) PROPERTY

SEC. 5, T. 1 S., R. 4 W., M.P.M.
MADISON COUNTY, MONTANA



Base Brunton and tape - J.J. Quinlan, August, 1951
Geology - J.J. Quinlan, August, 1951

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

August 29, 1951

Memorandum

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

From: J. J. Quinlan, Geologist, U.S.G.S.

Subject: Sunbeam (Lepp Manganese) Property
Madison County, Montana
DMA Docket No. 1566X

RECOMMENDATIONS

The DMA field examiner recommends that the applicantion of the Lepp partnership for an exploration loan in the amount of $12,270 on the Sunbeam (Lepp Manganese) property, Madison County, Montana, be denied.

The Sunbeam (Lepp Manganese) deposit is a bedded iron deposit 3 to 8 feet thick containing streaks and blebs of manganese ore. The bed is too low-grade in manganese to warrant a DMA exploration loan.

APPLICANT

The applicant is the partnership of Louis F. Lepp and Ella C. Lepp, Whitehall, Montana. Neither partner has had any great amount of mining experience. Louis Lepp is the Chevrolet dealer in Whitehall, Montana. Ella C. Lepp, the wife of Louis F. Lepp, is a housewife.

OWNERSHIP

The Lepp partnership rights to the Sunbeam claims are held by quartz lode mining claim locations. Mr. Lepp stated the claims were located in 1935, and the notice of the annual assessment work or intention to hold has been filed each year as required by law.

At the time of the [illegible] A examination two other location notices were seen on the property. These location notices were posted at the portal of the upper adit, one the Black Beauty claim, located October 12, 1950, by L. A. Sherrel, Butte, Montana, the other the Black Beauty claim, located July 25, 1951, by J. [illegible] Saunders, and L. A. Sherrel, Butte, Montana.

No check of the county records was made by the [illegible]A field examiner.

LOCATION AND ACCESSIBILITY

The Sunbeam (Lepp Manganese) property is in the foothills of the northwestern portion of the Tobacco Root Range, 6 miles south of Whitehall, Montana, and 5 miles northeast of Waterloo, Montana. The main workings are at an elevation of 5400 feet above sea level and 750 feet above the floor of the Jefferson Valley.

The Sunbeam (Lepp Manganese) property consists of four unpatented quartz lode mining claims in sec. 5, T. 1 S., R. 4 W., M.P.M., Renova mining district, Madison County, Montana.

HISTORY AND PAST PRODUCTION

The applicant was unable to furnish any information concerning the history of the property prior to his location in 1935. Examination showed that the property might be the Iron King claim described by J. T. Pardee. Pardee reports that several years before his examination, the Iron King claim shipped a moderate amount of iron and manganiferous ore to Butte, Montana. 1/

The applicant made no attempt to develop or exploit the property until World War II. At that time the property was leased to Mr. Jackman and Mr. Ogle of Butte, Montana. The Federal Government built an access trail to the mine for the Jackman-Ogle lease. 16 tons of ore assaying 17.2 percent manganese were produced by this operation. This is the only recorded past production from the property.

PROPOSED EXPLORATION PROGRAM

The purpose of the proposed exploration is to cut and explore the iron manganese bed 250 feet below its exposure in the upper adit.

1/ Pardee, J. T., Some manganese deposits in Madison County, Montana, Contributions to Economic Geology 1919, U.S.G.S. Bull. 690, pp. 141-142.

The applicant proposes to extend the lower adit crosscut N 75° E, 100 feet to cut the iron-manganese bed, and to drift 300 feet north along this bed to a point under the showing in the upper adit. (See map).

Before the applicant undertakes the exploration program, he proposes to build 1¼ miles of access road to the property from Jefferson Valley. The cost of the access road is to be included as a part of the cost of the project.

GEOLOGY

A 3 to 8 feet thick bed rich in limonite and hematite, and containing streaks and blebs of psilomelane, pyrolusite, and wad is exposed in the upper adit and in several trenches. The Iron bed is at the top of the transition zone between the upper shale member of the Flathead (Cambrian) quartzite and the overlying Gallitin (Cambrian) limestone. The bed strikes north and dips approximately 53° west in the vicinity of the upper adit. The iron-manganese mineralization also occurs along transverse fractures for short distances from the bed. (See geologic map).

It is evident that the richer stringers and blebs of manganese have been removed by selective mining operations. Inspection of a small stock pile of ore left by the Jackman-Ogle lease showed that the ore shipped by them came from such stringers and blebs of manganese within the iron bed, and was not representative of the bed as a whole. The ore shipped by the Jackman-Ogle lease assayed 19.2 percent manganese.

A 5 foot cut sample across the exposed portion of the bed 5 feet north of the adit portal assayed 9.1 percent manganese, and 48.8 percent iron. A picked sample of manganese ore from this same location assayed 52.9 percent manganese, 2.2 percent iron, 2.2 percent silica, and no phosphorus. A 3 foot cut sample across the bed as exposed in the raise assayed 2.5 percent manganese and 50.2 percent iron.

The iron-rich bed will be offset by the fault exposed at the portal of the lower adit. This fault strikes N. 85° E., and dips 53° to 78° north. The south side of the fault has moved west relative to the north side. No attempt was made to measure displacement along the fault; however, the displacement is in the magnitude of several hundred feet, as the beds exposed south of the fault at the portal of the lower adit belong to the upper shale member of the Flathead quartzite.

CONCLUSIONS

If the Sunbeam (Lepp Manganese) property is not the same as the Iron King Claim described by J. T. Pardee, it is most certainly on the same bed.

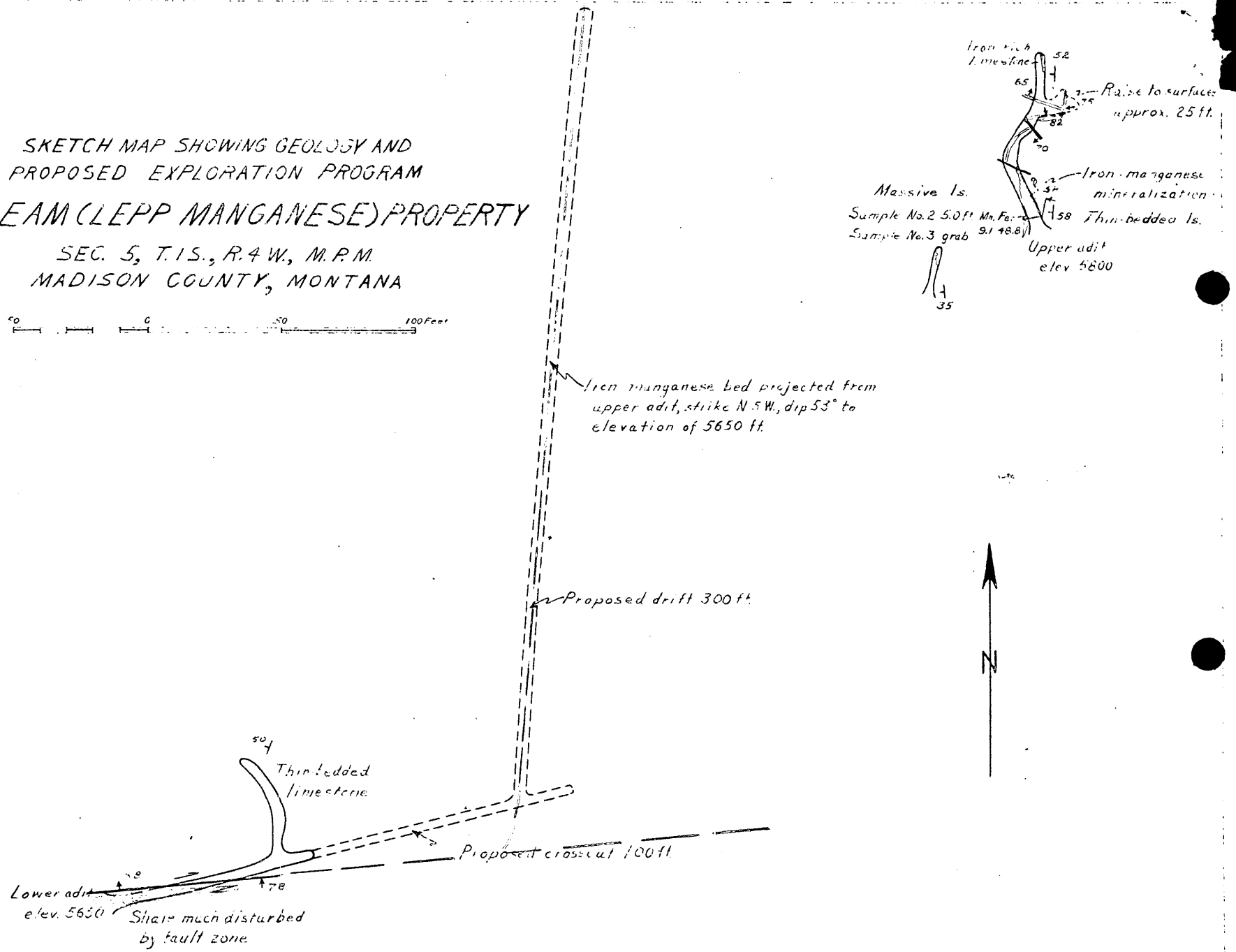
The manganese ore of the Sunbeam (Lepp Manganese) is low grade. The iron manganese bed assays less than 10 percent MnO_2. Sorted ore shipped by the Jackman-Ogle lease assayed 19.2 percent MnO_2. Manganese ore that could be developed by the proposed exploration would be equally low grade.

cc: U.S. Bur. Mines
Spokane, Wn.
Albany, Ore.
L. F. Strobel

SKETCH MAP SHOWING GEOLOGY AND PROPOSED EXPLORATION PROGRAM

SUNBEAM (LEPP MANGANESE) PROPERTY

SEC. 5, T. 1 S., R. 4 W., M.P.M.
MADISON COUNTY, MONTANA



Base Brunton and tape J.J. Quinlan, August, 1951
Geology - J.J. Quinlan, August, 1951

FILE COPY
SURNAME:

Holden
Hanson

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

July 12, 1951

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

In reply please refer to
DMA - 1566X Manganese
near Waterloo, Montana

Dear Mr. Weissenborn:

Louis F. Lepp, Whitehall, Montana, has applied for Government assistance in exploring a manganese claim situated about six miles south of Whitehall and about three miles west of Waterloo, Montana. Since the Geological Survey does not have information on this property, it is requested that the field team make a preliminary geological appraisal to determine whether the expenditure of $12,270.00 in exploration is warranted. The small amount of information submitted by the applicant does not warrant a special trip to the area, therefore it is suggested that the prospect be visited on some occasion when a field man is in the vicinity on other work.

Very truly yours,

George B. Holderer

George B. Holderer
Chief, Manganese Branch

FWHanson:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Field Team - Region II
Files

FILE COPY
SURNAME:

JUL 20 1951

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

July 12, 1951

Holden
Hanson
Crittenden
Rodway
Moon

Mr. Louis F. Lepp
Whitehall, Montana

Re: DMA 1566X Manganese
near Waterloo, Montana

Dear Mr. Lepp:

Your request for aid in the amount of $12,270.00 (Government share $9,202.50) to explore a manganese prospect has been considered. Since the Geological Survey does not have any information on this property, we have requested that a field examination be made and have sent this request to Mr. A. E. Weissenborn, Executive Officer, DMA Field Team, Region II, South 157 Howard St., Spokane, Washington. It is suggested that you render all possible assistance to the field engineers at such time as they may be able to visit your property.

Very truly yours,

Tom Lyon

Tom Lyon
Director, Supply Division

FWHanson:bl

CC: Adm. Reading File
Reports & Records Unit
Mr. Holderer
Field Team - Region II
Files

FILE COPY
SURNAME:

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

June 19, 1951

Mr. Louis F. Lepp
Whitehall, Montana

Subject: DMA-1566X
Re: Exploration loan
Sunbeam Mine

My dear Mr. Lepp:

Receipt is acknowledged of your application and attachments of May 20, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1566X and was referred to Mr. George Holderer, Chief, Manganese Branch on June 8, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1566X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:Jeb
cc: Strobel-2
Files
Holderer
Lyon

July 11, 1951

Index of File Contents
Sent to Field Team

DMA-1566K Manganese

2 Copies of application on Form NF-103 with answers attached.

Letter, May 28, 1951, Field Team Region II to DMA, transmitting application.

Defense Minerals Administration
Reference Slip

Date 6-8-51

To: 1. Mr. Bradley

2.

3.

4.

DMA 1566X

For Action ✓
Reply
Information
Remarks:

Sender Strobel (Ble)

3
Mr. Strobel DMA

Forwarded to

Branch

Date

Sender

2
Mr. Strobel DMA

Forwarded to

Branch

Date

Sender

July 11, 1951

Index of File Contents sent to Field Team

DMA - 1566X Manganese

2 Copies of application on Form MF - 103 with answers attached.

Letter, May 28, 1951, Field Team, Region II to DMA, transmitting application.

dma 1566X

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

May 28, 1951

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

Dear Mr. Strobel:

Enclosed herewith is an application submitted by Louis F. Lepp on manganese property in Madison County, Montana.

Mr. Lepp is not too explicit on his proposed exploration work, but evidently plans to reopen the manganese property which was productive during World War II.

Yours very truly,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosure

cc: U.S.B.M.

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

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 1566 X

Date received 6-4-51

Participation

Louis F. Lepp
Whitehall, Montana

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

Name and address of applicant

Date 20 May 51

FILL IN THIS BLOCK

Date of application 20 May 51

Estimated cost $12,270.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine 6 Mi. so. of Whitehall

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

See Attached

*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 Louis F. Lepp (Signature of authorized official)
5/22/51 (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

1. A Partnership

2. Louis F. Lepp and Ella C. Lepp (Husband and Wife)

3 No.

4. Louis F. Lepp has for the last 22 Years oprated a Chevrolet dealership and before that was in the general contracting for 16 years.

5 It is a mining claim held for 15 years by assessment work by the year

6. None

7. No.

8. See Attached

9. As required

10. On the claim at present is a cabin, mining car, rails(some in incompleted tunnel and some at the claim)Small hand tools, Cabin furnishings.

B. The claim is known as the Sunbeam, consistins of 4 claims, lovated in Madison county, Montana

11. None

12. It is located 6 miles south of Whitehall, and 3 miles east of Waterloo Both of which have the Northern Pacific RR. The road is 1¼ miles from the Cla ms approxmately 1000' lower. Both Waterloo and Whitehall are shipping points and both ore connected to the closest road to the claim by dirt roads

13. The river is the closest water and approxmately 1200'or 1300' lower. The river is the Jefferson river,and the is suffic nt at all times but was not contemplating using water. Also was not planning an using any Electrical Power.at present. The R.E.A. line is 3 Miles away.

14. See 10 a.

15. After a road is built and claim proved ore could be hauled by truck to the R.R. and shipped to Ananconada Copper Miming Co at Ananconada or to a New Smelter being built at Eastern Montana especially for Manganese.

16. During W.W. II Mine was leased out and ore was shipped to A.C.M. Co. and since that time a exploration tunnel was started 550 ' below the surface od the claim to attempt to cut the lead that far below the surface so as to be able to raise on the lead and prove or disprove the claim. On the last operation ore was shipped in he amount of 18 Tons and operation was ceased because of the difaculity in getting the ote down from the mine to the road(too expensive).

b. None

c. Any reports that I have recieved are or were by word of mouth only but were apperently of the opinion that there was a good possibility of ore.

17. Not n Production

18. The lead on top is apperently 25' wide and 150' long. The last leassers sunk a shaft fron the top and the size seems to be the same as they went down or larger.

b. None

c. Cannot estimate tonnage but the shipments ran about $7.00 ? in Manganese wh n last shiped. Tonnage should be very large.

19. See 21

20. Manganese and to prove the surface and shaft indications

21. To build an access road and finish the tunnel into the lead and should ake 3 or 4 months.

22. The ore already shipped and the size of the surface indications.

23.a. 4 miners @ 12.00 60 days 48.0 0 $2,880.00

b. 1 supervisor 20.00 1,200.00

c. Build road 12 days labor 200.00
survey 200.00

d. Water ank 150.00

e. Catapillar (used) 2,000.00

Pickup (used) 800.00

e. Drilling Equipment		$1,400.00
f. Compressor	15.00 day	900.00
Truck (Dump)	24.00 day	1,440.00
g. Tools, mining car , rails		100.00
h. Dynimite and drilling steel		500.00
mining car rail and spikes		200.00
I Gasoline, pipe and tools		300.00
		~~$12,320.00~~ $12,270.00

24. 1st Month gathering equipment and surveying road	1/3
2nd month building road and mining	1 3
3rd month mining	1/6
4th month completed exploation.	1/6

Form MF-100
(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 1566 X

Date received 6-4-51

Participation

Louis F. Lepp
Whitehall, Montana

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

Name and address of applicant

Date May 20, 1951

FILL IN THIS BLOCK

Date of application May 20, 1951

Estimated cost $12,270.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine 6 miles South of Whitehall

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners. See Attached
*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—6406

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.

By Louis T. Lepp
(Signature of authorized official)

(Name of company)

5/22/57
(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

1. A Partnership

2. Louis F. Lepp and Ella C. Lepp (Husband and Wife)

3. No.

4. Louis F. Lepp has operated a Chevrolet dealership for the last 22 years; before that was in the general contracting business for 16 years.

5. It is a mining claim held for 15 years by assessment work done by the year.

6. None.

7. No.

8. See attached.

9. As required.

10. On the claim at present is a cabin and furnishings, mining car, rails (some in the incompleted tunnel and some at the claim) and small hand tools.

(b) The claim is known as the Sunbeam, consisting of 4 claims, located in Madison County, Montana

11. None.

12. It is located 6 miles South of Whitehall and 3 miles East of Waterloo, and served by the Northern Pacific Railway. The road is 1¼ miles from the claim, approximately 1000 feet lower. Both Waterloo and Whitehall, Montana are shipping points and both are connected to the closest road to the claim. These are dirt roads.

13. The Jefferson River is the closest water supply. It is approximately 1200 or 1300 feet lower but is sufficient at all times; however no plans have been made to use water. The Rural Electrification line is about 3 miles away but at the present time no plan was made to use electricity.

14. See 10 a above.

15. After a road is built and the claim proved, ore could be hauled by truck to the railroad. The shipments would go to the Anaconda Copper Mining Company at Anaconda, Montana or to a new smelter being built in Eastern Montana especially for Manganese.

16. During World War II the mine was leased out and ore was shipped to the Anaconda Copper Mining Company. Since that time an exploration tunnel was started 550 feet below the surface of the claim to attempt to cut the lead that far below the surface so as to be able to raise on the lead and prove or disapprove the claim. On the last operation 18 Tons of ore was shipped. Operations then ceased because of the expensive difficulty in getting the ore down from the mine to the road.

June 19, 1951

Mr. Louis F. Lepp
Whitehall, Montana

Subject: DMA-1566X
Re: Exploration loan
Sunbeam Mine

My dear Mr. Lepp:

Receipt is acknowledged of your application and attachments of May 20, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1566X and was referred to Mr. George Holderer, Chief, Manganese Branch on June 8, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1566X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:Jeb
cc: Strobel-2
Files
Holderer
Lyon

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 1566X

Date received 6-4-51

Participation

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

Louis F. Lepp
Whitehall, Montana

Name and address of applicant

Date May 20, 1951

FILL IN THIS BLOCK

Date of application May 20, 1951

Estimated cost $12,270.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine 6 miles South of Whitehall

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners. See Attached
*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.

By Louis F. Lepp
(Signature of authorized official)

(Name of company)

5/22/61
(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

1. A Partnership

2. Louis F. Lepp and Ella C. Lepp (Husband and Wife)

3. No.

4. Louis F. Lepp has operated a Chevrolet dealership for the last 22 years; before that was in the general contracting business for 16 years.

5. It is a mining claim held for 15 years by assessment work done by the year.

6. None.

7. No.

8. See attached.

9. As required.

10. On the claim at present is a cabin and furnishings, mining car, rails (some in the incompleted tunnel and some at the claim) and small hand tools.

(b) The claim is known as the Sunbeam, consisting of 4 claims, located in Madison County, Montana

11. None.

12. It is located 6 miles South of Whitehall and 3 miles East of Waterloo, and served by the Northern Pacific Railway. The road is 1¼ miles from the claim, approximately 1000 feet lower. Both Waterloo and Whitehall, Montana are shipping points and both are connected to the closest road to the claim. These are dirt roads.

13. The Jefferson River is the closest water supply. It is approximately 1200 or 1300 feet lower but is sufficient at all times; however no plans have been made to use water. The Rural Electrification line is about 3 miles away but at the present time no plan was made to use electricity.

14. See 10 a above.

15. After a road is built and the claim proved, ore could be hauled by truck to the railroad. The shipments would go to the Anaconda Copper Mining Company at Anaconda, Montana or to a new smelter being built in Eastern Montana especially for Manganese.

16. During World War II the mine was leased out and ore was shipped to the Anaconda Copper Mining Company. Since that time an exploration tunnel was started 550 feet below the surface of the claim to attempt to cut the lead that far below the surface so as to be able to raise on the lead and prove or disapprove the claim. On the last operation 18 Tons of ore was shipped. Operations then ceased because of the expensive difficulty in getting the ore down from the mine to the road.

b. None.

c. The verbal reports that I have received have been of the opinion there was a good possibility of ore.

17. Not in Production.

18. The lead on top is apparantly 25 feet wide and 150 feet long. The last leaser sunk a shaft from the top - the size seems to be the same as they went down or larger.

b. None.

c. I am unable to estimate the tonnage, however it should be very large. The shipments ran about $7.00 in Manganese.

19. See 21.

20. Manganese - and to prove the surface and shaft indications.

21. To build an accessable road and finish the tunnel should take 3 or 4 months.

22. The ore already shipped and the size of the surface indications.

23.	a. 4 miners, 60 days @$12.00	$48.00	$ 2880.00
	b. 1 supervisor	$20.00	$ 1200.00
	c. Build road - 12 days labor		$ 200.00
	Survey		$ 200.00
	d. Water tank		$ 150.00
	e. Catapillar (used)		$ 2000.00
	Pickup (used)		$ 800.00
	Drilling Equipment		$ 1400.00
	f. Compressor - $15.00 a day		$ 900.00
	Truck (Dump)- $24.00 a day		$ 1440.00
	g. Tools, mining car, rails		$ 100.00
	h. Dynamite and drilling steel		$ 500.00
	Mining Car Rail and Spikes		$ 200.00
	i. Gasoline, pipe and tools		$ 300.00
			~~$12,320.00~~
			$12,270.00

24. First month gathering equipment and surveying road -- 1/3
Second month building road and mining ---------- 1/3
Third month mining ---------- 1/6
Fourth month completed exploration ---------- 1/6

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 1566X

Date received 6-4-51

Participation

Louis F. Lepp
Whitehall, Montana

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

Name and address of applicant

Date May 20, 1951

FILL IN THIS BLOCK

Date of application May 20, 1951

Estimated cost

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine 6 miles South of Whitehall

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners. See Attached
*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 Louis F. Lepp (Signature of authorized official)
5/22/51 (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

1. A Partnership

2. Louis F. Lepp and Ella C. Lepp (Husband and Wife)

3. No.

4. Louis F. Lepp has operated a Chevrolet dealership for the last 22 years; before that was in the general contracting business for 16 years.

5. It is a mining claim held for 15 years by assessment work done by the year.

6. None.

7. No.

8. See attached.

9. As required.

10. On the claim at present is a cabin and furnishings, mining car, rails (some in the incompleted tunnel and some at the claim) and small hand tools.

(b) The claim is known as the Sunbeam, consisting of 4 claims, located in Madison County, Montana

11. None.

12. It is located 6 miles South of Whitehall and 3 miles East of Waterloo, and served by the Northern Pacific Railway. The road is 1½ miles from the claim, approximately 1000 feet lower. Both Waterloo and Whitehall, Montana are shipping points and both are connected to the closest road to the claim. These are dirt roads.

13. The Jefferson River is the closest water supply. It is approximately 1200 or 1300 feet lower but is sufficient at all times; however no plans have been made to use water. The Rural Electrification line is about 3 miles away but at the present time no plan was made to use electricity.

14. See 10 a above.

15. After a road is built and the claim proved, ore could be hauled by truck to the railroad. The shipments would go to the Anaconda Copper Mining Company at Anaconda, Montana or to a new smelter being built in Eastern Montana especially for Manganese.

16. During World War II the mine was leased out and ore was shipped to the Anaconda Copper Mining Company. Since that time an exploration tunnel was started 550 feet below the surface of the claim to attempt to cut the lead that far below the surface so as to be able to raise on the lead and prove or disapprove the claim. On the last operation 18 Tons of ore was shipped. Operations then ceased because of the expensive difficulty in getting the ore down from the mine to the road.

b. None.

c. The verbal reports that I have received have been of the opinion there was a good possibility of ore.

17. Not in Production.

18. The lead on top is apparantly 25 feet wide and 150 feet long. The last leaser sunk a shaft from the top - the size seems to be the same as they went down or larger.

b. None.

c. I am unable to estimate the tonnage, however it should be very large. The shipments ran about $7.00 in Manganese.

19. See 21.

20. Manganese - and to prove the surface and shaft indications.

21. To build an accessible road and finish the tunnel should take 3 or 4 months.

22. The ore already shipped and the size of the surface indications.

23.

a.	4 miners, 60 days @$12.00	$48.00	$ 2880.00
b.	1 supervisor	$20.00	$ 1200.00
c.	Build road - 12 days labor		$ 200.00
	Survey		$ 200.00
d.	Water tank		$ 150.00
e.	Catapillar (used)		$ 2000.00
	Pickup (used)		$ 800.00
	Drilling Equipment		$ 1400.00
f.	Compressor - $15.00 a day		$ 900.00
	Truck (Dump)- $24.00 a day		$ 1440.00
g.	Tools, mining car, rails		$ 100.00
h.	Dynamite and drilling steel		$ 500.00
	Mining Car Rail and Spikes		$ 200.00
i.	Gasoline, pipe and tools		$ 300.00
			~~$12,320.00~~
			$12,270.00

24. First month gathering equipment and surveying road -- 1/3
Second month building road and mining ---------- 1/3
Third month mining ---------- 1/6
Fourth month completed exploration ---------- 1/6

June 19, 1951

Mr. Louis F. Lepp
Whitehall, Montana

Subject: DMA-1566X
Re: Exploration loan
Sunbeam Mine

My dear Mr. Lepp:

Receipt is acknowledged of your application and attachments of May 20, 1951 for an exploration loan under the Defense Production Act of 1950.

The application was assigned Docket Number DMA-1566X and was referred to Mr. George Holderer, Chief, Manganese Branch on June 8, 1951.

In any future correspondence relating to your application, kindly refer to DMA-1566X.

Sincerely yours,

LANDON F. STROBEL

Landon F. Strobel
Executive Secretary

LFSTROBEL:Jeb
cc: Strobel-2
Files
Holderer
Lyon

Form MF-103
(April 1951)

U. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

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

DEFENSE MINERALS ADMINISTRATION
WASHINGTON, D. C.
OCT 16 8 59 AM '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. 1566 X

Date received

Participation

Louis F. Lepp
Whitehall, Montana

Name and address of applicant

Date May 20, 1951

FILL IN THIS BLOCK

Date of application May 20, 1951

Estimated cost $12,270.00

Mineral or metal Manganese

Percentage of Government participation 75%

Location of mine 6 miles South of Whitehall

Date of filing MF-100

DMA Docket Number, if available

INSTRUCTIONS

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

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners. See Attached
*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.

By Louis F. Lepp
(Signature of authorized official)

(Name of company)

5/22/51
(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

1. A Partnership

2. Louis F. Lepp and Ella C. Lepp (Husband and Wife)

3. No.

4. Louis F. Lepp has operated a Chevrolet dealership for the last 22 years; before that was in the general contracting business for 16 years.

5. It is a mining claim held for 15 years by assessment work done by the year.

6. None.

7. No.

8. See attached.

9. As required.

10. On the claim at present is a cabin and furnishings, mining car, rails (some in the incompleted tunnel and some at the claim) and small hand tools.

(b) The claim is known as the Sunbeam, consisting of 4 claims, located in Madison County, Montana

11. None.

12. It is located 6 miles South of Whitehall and 3 miles East of Waterloo, and served by the Northern Pacific Railway. The road is 1¼ miles from the claim, approximately 1000 feet lower. Both Waterloo and Whitehall, Montana are shipping points and both are connected to the closest road to the claim. These are dirt roads.

13. The Jefferson River is the closest water supply. It is approximately 1200 or 1300 feet lower but is sufficient at all times; however no plans have been made to use water. The Rural Electrification line is about 3 miles away but at the present time no plan was made to use electricity.

14. See 10 a above.

15. After a road is built and the claim proved, ore could be hauled by truck to the railroad. The shipments would go to the Anaconda Copper Mining Company at Anaconda, Montana or to a new smelter being built in Eastern Montana especially for Manganese.

16. During World War II the mine was leased out and ore was shipped to the Anaconda Copper Mining Company. Since that time an exploration tunnel was started 550 feet below the surface of the claim to attempt to cut the lead that far below the surface so as to be able to raise on the lead and prove or disapprove the claim. On the last operation 18 Tons of ore was shipped. Operations then ceased because of the expensive difficulty in getting the ore down from the mine to the road.

b. None.

c. The verbal reports that I have received have been of the opinion there was a good possibility of ore.

17. Not in Production.

18. The lead on top is apparantly 25 feet wide and 150 feet long. The last leaser sunk a shaft from the top - the size seems to be the same as they went down or larger.

b. None.

c. I am unable to estimate the tonnage, however it should be very large. The shipments ran about $7.00 in Manganese.

19. See 21.

20. Manganese - and to prove the surface and shaft indications.

21. To build an accessable road and finish the tunnel should take 3 or 4 months.

22. The ore already shipped and the size of the surface indications.

23.

a.	4 miners, 60 days @$12.00	$48.00	$ 2880.00
b.	1 supervisor	$20.00	$ 1200.00
c.	Build road - 12 days labor		$ 200.00
	Survey		$ 200.00
d.	Water tank		$ 150.00
e.	Catapillar (used)		$ 2000.00
	Pickup (used)		$ 800.00
	Drilling Equipment		$ 1400.00
f.	Compressor - $15.00 a day		$ 900.00
	Truck (Dump)- $24.00 a day		$ 1440.00
g.	Tools, mining car, rails		$ 100.00
h.	Dynamite and drilling steel		$ 500.00
	Mining Car Rail and Spikes		$ 200.00
i.	Gasoline, pipe and tools		$ 300.00
			~~$12,320.00~~
			12,270.00

24. First month gathering equipment and surveying road -- 1/3
Second month building road and mining ---------- 1/3
Third month mining ---------- 1/6
Fourth month completed exploration ---------- 1/6