DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3331

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Exploration Assistance

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

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CONTROLLED DOCUMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

September 22, 1954

Memorandum

To: Operations Control and Statistics Division

From: Nonmetallic Minerals Division

Subject: Docket No. DMEA-3331 - Beryl
Leo Tessier
Leo Tessier Property
Franklin County, Maine

In accordance with the letter from Leo Tessier, dated September 3, 1954, withdrawing the subject application, we are returning the attached docket to be placed in the closed file category.

Attachment

Withdrawn

September 3, 1954

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

Defense D...
SEP 7 19...

Lawrence G. Hook, Chief
Nonmetallic Minerals Division

Dear Sir:

I wish to withdraw my application for exploration assistance for beryl in Franklin County, Maine: Docket No. DMEA-3331-Beryl
Les Tessier Property
Franklin County, Maine

Thank you.

Sincerely Yours,

Les Tessier

LIVERMORE FALLS, MAINE

Mr. Lyle J. Tessier
Box 132 R.F.D. #2
Livermore Falls, Maine

FALLS MAINE
SEP 4
8 PM
54

United States Department of Interior
Defense Mineral Exploration Administration
Washington 25, D.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
AUG 25 1954

August 25, 1954

Memorandum

To: Lawrence G. Houk, Chief, Nonmetallics Division, Defense Minerals Exploration Agency

From: John D. Sargent, Commodity-Industry Analyst, Rare and Precious Metals Branch

Subject: Review of Field Team Report on application DMEA-3331 (beryl)

The geological indications would appear to be sufficient to warrant an exploration project, but, because of the applicant's financial status and his alleged intention of withdrawing his application I concur with the recommendation of denial.

John D. Sargent

John D. Sargent

DMEA REPORTS

Mr. [illegible] .....

.....

Chief, Minerals Division

Calvin Pierson

Mt. Weather

For your information and review

Calvin Pierson

Sargent

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

COPY

August 16, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3331 - (Beryl)
Leo Tessier, R. F. D. No. 2
Livermore Falls, Franklin County, Maine

Transmitted herewith are the original and three copies of the Field Team report on examination of the subject property.

/s/ W. T. MILLAR

W. T. Millar

Enclosures - 4

Reviewed by
DMEA OPERATING COMMITTEE

(date)

Field Team Report on Examination of Property

by

H. L. Burmeister and John B. Hanley 1/

DMEA Docket No. 3331 - (Beryl)
Leo Tessier, R. F. D. No. 2
Livermore Falls, Franklin County, Maine

Summary

The only exploratory work done on this property consists of one shallow open pit which was opened in 1953. From approximately 60 tons of pegmatite mined there was recovered about 30 pounds of small beryl crystals and [illegible] tons of excellent perthite.

Mr. Tessier stated that more was realized from the sale of perthite than was expended in mining and marketing. Present financial commitments make it inadvisable for the applicant to enter into an exploration contract but at a later date he expects to explore at his own expense.

Conclusions

Although the presently indicated beryl content of this pegmatite is too low to support mining, the perthite should more than cover mining costs, thus allowing the beryl to be recovered at very slight cost.

Exploration will be carried out by the applicant at a later date, probably for his own account.

The Field Team representatives believe that the low beryl content, present financial conditions of the applicant and his intention of exploring for his own account at a later date, all indicate that the Government should not enter into a contract for exploration at this time.

1/ H. L. Burmeister, Mining Engineer, Bureau of Mines and John B. Hanley, Geologist, Geological Survey.

Reviewed by
DMEA OPERATING COMMITTEE

(date)

Recommendations

For the above reasons it is recommended that this application be denied.

Time Spent on Property

This property was examined on April 17, 1954 by H. L. Burmeister, Bureau of Mines, who again consulted with the applicant on July 24, 1954. John B. Hanley, Geological Survey, conducted his examination on July 2, 1954. On each examination the Field Team representative was accompanied by the operator. The combined time spent on examinations was about 18 hours.

Name and Location of Property

The Tessier pegmatite is located approximately in the center of the 165 acre farm owned by the applicant. The farm and farmhouse are reached by leaving Livermore Falls, Maine, on Route 4 East. After crossing the Androscoggin river bridge, turn hard right off Route 4 and follow the up-grade surfaced road 1.9 miles to a fork. Take the main fork to right for 0.9 mile to the Tessier home. (Fig. 1).

Applicant's Competency and Property Rights

The applicant states that he is the owner of both the surface and mineral rights on the land in which this pegmatite occurs and as further described in Owner's Deed, recorded in Franklin, Maine, Book 247, page 257. Mr. Tessier has a knowledge of earth moving equipment and to a limited extent, drilling and blasting. He works in a pulp mill and in addition operates his farm.

Description of Property

Exploration work done on this property consists of one small pit approximately 24 x 10 x 3 feet deep. This opening was made in 1953 by the

applicant in a pegmatite outcrop which occurs on a hilltop in a pasture about 250 yards north of the farmhouse. Several other pegmatite outcrops occur about 290 feet northeasterly as well as one about 130 feet southwesterly from the exploratory pit. (Fig. 2).

Geology, Production and Ore Reserves

The outcrop that Mr. Tessier has opened up contains a high proportion of excellent perthite, and an interesting showing of sub-gemmy beryl crystals. The pegmatite in this outcrop cuts across the schistosity and the bedding of the wall rock. The outer 2 to 6 inches of the pegmatite adjacent to the wall rock are fairly fine grained in that the average grain size is about one half inch. The size of the mineral grains is increasingly larger toward the quartz-perthite pegmatite core, and at a distance of 5 or 6 feet in from the wall rock contact, perthite crystals as much as 4 feet across are exposed. Biotite laths as much as 2 feet long although only 2 inches wide are common throughout the exposure, and appear to be haphazardly oriented. Garnet and black tourmaline are common accessory minerals. In general, the pegmatite appears to be well zoned and abnormally coarse in grain size.

The aquamarine to bluish-green beryl crystals seen were all in the margin of the quartz-perthite pegmatite core, especially where it is muscovite-rich. The beryl content, based on the poundage recovered by Mr. Tessier, is very low, about 0.03 percent, and would not be commercially significant except for the fact that a large percentage of readily salable perthite is associated with the beryl. Although the pegmatite is not well enough exposed for its thickness to be known, it appears to be thin enough so that it will have to be mined as a whole. Consequently, both the beryl and the perthite would be recovered together, and the perthite should carry the cost of all mining operations.

The nearby outcrops of pegmatite appear to have similar mineral composition even though beryl was not observed in any of them. Several of these outcrops show intricate interfingering of the pegmatite and the wall rock, and this feature, in addition to the crosscutting relationship seen in Mr. Tessier's workings, suggest that the pegmatite outcrops may represent a series of disconnected pegmatite pods along a plane of weakness in the wall rock. On the other hand, the outcrops may represent an irregularly shaped but continuous pegmatite dike. The continuity between adjacent pegmatite outcrops cannot be determined, because glacial debris covers most of the area around the group of pegmatite outcrops.

Due to lack of exploration it is not possible to estimate reserves.

Supplies, Equipment, Wage Scale

Supplies and equipment necessary for an exploration program on this property are available in Livermore Falls, Maine. Drillers and laborers can be employed at the respective hourly rates of $1.50 and $1.25.

Discussion of Applicant's Proposal

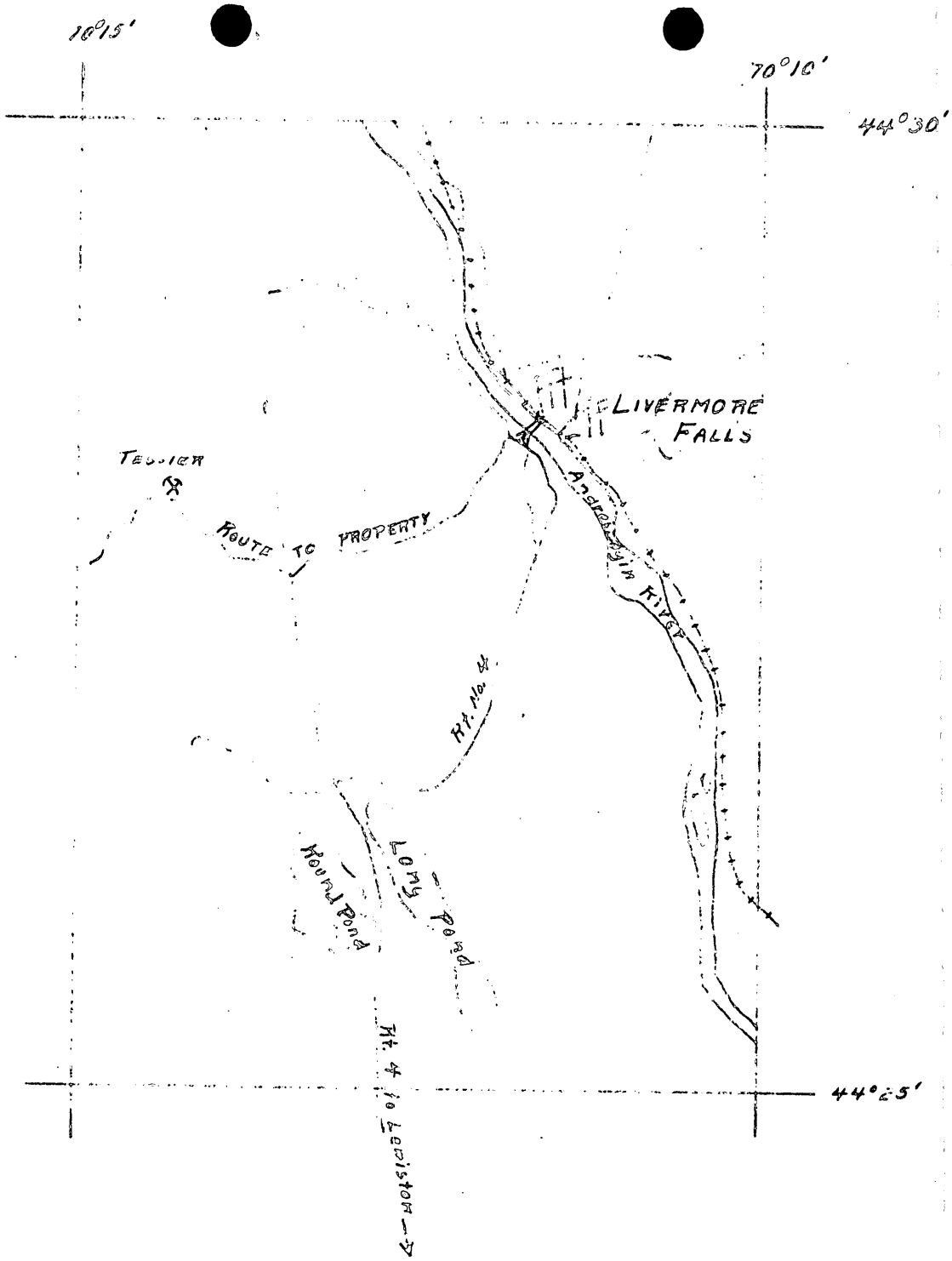
Trenching as proposed in the application is considered to be the most effective method of exploring this property. The schedule of costs as proposed are considered reasonable.

W. T. Miller

W. T. Miller, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

(for) Quentin D. Singewald, U. S. Geological
Survey Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

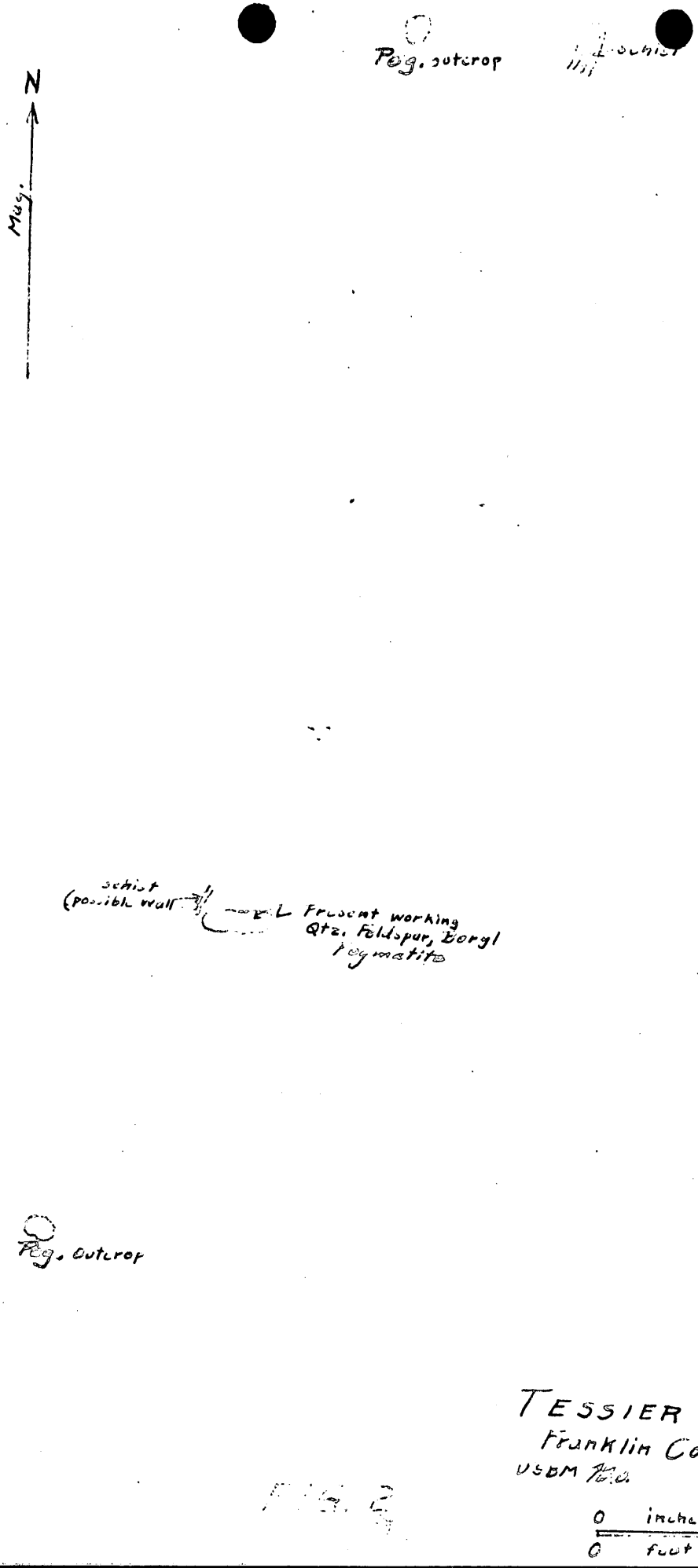
College Park, Md.
August 10, 1954



TESSIER BERYL PROSPECT
FRANKLIN COUNTY, Ma.

UCEM APRIL, 1954

FIG. 1



TESSIER PROSPECT
Franklin County, Me.
USBM
April, 1954

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IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

August 20, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3331 (beryl)

To: Lawrence G. Houk, Defense Minerals Exploration Administration
From: R. D. Trace, U. S. Geological Survey
Applicant: Leo Tessier
Name of property: None
Location of property: Franklin County, Maine
Date of Field Team Report: August 10, 1954
Authorship of Field Team Report: H. L. Burmeister, USBM, and J. B. Hanley, USGS
Field Team's recommendation: Deny application.
Comments: According to Burmeister and Hanley, the applicant, in effect, has withdrawn his request for exploration assistance.
ACTION RECOMMENDED: Follow Field Team recommendation.

Bob Trace
R. D. Trace

Docket Copy
Surname:
Houk
Mittendorf

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C. 600

Mr. Leo Tessier
Box 132, R.F.D. No. 2
Livermore Falls, Maine

Re: Docket No. DMEA-3331 - Beryl
Leo Tessier Property
Franklin County, Maine

Dear Mr. Tessier:

Reference is made to your application for exploration assistance for beryl in Franklin County, Maine.

Our field examining engineer has indicated that you do not wish this office to proceed with processing your application. We, therefore, desire a statement from you withdrawing your application at your earliest convenience. This action will not prejudice any future application you may file with this Administration.

Sincerely yours,

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

LGHouk:gad 8/18/54
Copy to: Admr. R. File
Docket
Field Team, Region VIII
Mr. Newcomb, 5227
Mr. Keiser, 3647
Mr. Houk

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

August 16, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Docket No. DMEA-3331 - (Beryl)
Leo Tessier, R. F. D. No. 2
Livermore Falls, Franklin County, Maine

Transmitted herewith are the original and three copies of the Field Team report on examination of the subject property.

W. T. Millar

W. T. Millar

Enclosures - 4

Field Team Report on Examination of Property

by
H. L. Burmeister and John B. Hanley 1/

DMEA Docket No. 3331 - (Beryl)
Leo Tessier, R. F. D. No. 2
Livermore Falls, Franklin County, Maine

Summary

The only exploratory work done on this property consists of one shallow open pit which was opened in 1953. From approximately 60 tons of pegmatite mined there was recovered about 30 pounds of small beryl crystals and 6 tons of excellent perthite.

Mr. Tessier stated that more was realized from the sale of perthite than was expended in mining and marketing. Present financial commitments make it inadvisable for the applicant to enter into an exploration contract but at a later date he expects to explore at his own expense.

Conclusions

Although the presently indicated beryl content of this pegmatite is too low to support mining, the perthite should more than cover mining costs, thus allowing the beryl to be recovered at very slight cost.

Exploration will be carried out by the applicant at a later date, probably for his own account.

The Field Team representatives believe that the low beryl content, present financial conditions of the applicant and his intention of exploring for his own account at a later date, all indicate that the Government should not enter into a contract for exploration at this time.

1/ H. L. Burmeister, Mining Engineer, Bureau of Mines and John B. Hanley, Geologist, Geological Survey.

Recommendations

For the above reasons it is recommended that this application be denied.

Time Spent on Property

This property was examined on April 17, 1954 by H. L. Burmeister, Bureau of Mines, who again consulted with the applicant on July 24, 1954. John B. Hanley, Geological Survey, conducted his examination on July 2, 1954. On each examination the Field Team representative was accompanied by the operator. The combined time spent on examinations was about 18 hours.

Name and Location of Property

The Tessier pegmatite is located approximately in the center of the 165 acre farm owned by the applicant. The farm and farmhouse are reached by leaving Livermore Falls, Maine, on Route 4 West. After crossing the Androscoggin river bridge, turn hard right off Route 4 and follow the up-grade surfaced road 1.9 miles to a fork. Take the main fork to right for 0.9 mile to the Tessier home. (Fig. 1).

Applicant's Competency and Property Rights

The applicant states that he is the owner of both the surface and mineral rights on the land in which this pegmatite occurs and as further described in Owner's Deed, recorded in Franklin, Maine, Book 247, page 257. Mr. Tessier has a knowledge of earth moving equipment and to a limited extent, drilling and blasting. He works in a pulp mill and in addition operates his farm.

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applicant in a pegmatite outcrop which occurs on a hilltop in a pasture about 250 yards north of the farmhouse. Several other pegmatite outcrops occur about 290 feet northeasterly as well as one about 130 feet southwesterly from the exploratory pit. (Fig. 2).

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Due to lack of exploration it is not possible to estimate reserves.

Supplies, Equipment, Wage Scale

Supplies and equipment necessary for an exploration program on this property are available in Livermore Falls, Maine. Drillers and laborers can be employed at the respective hourly rates of $1.50 and $1.25.

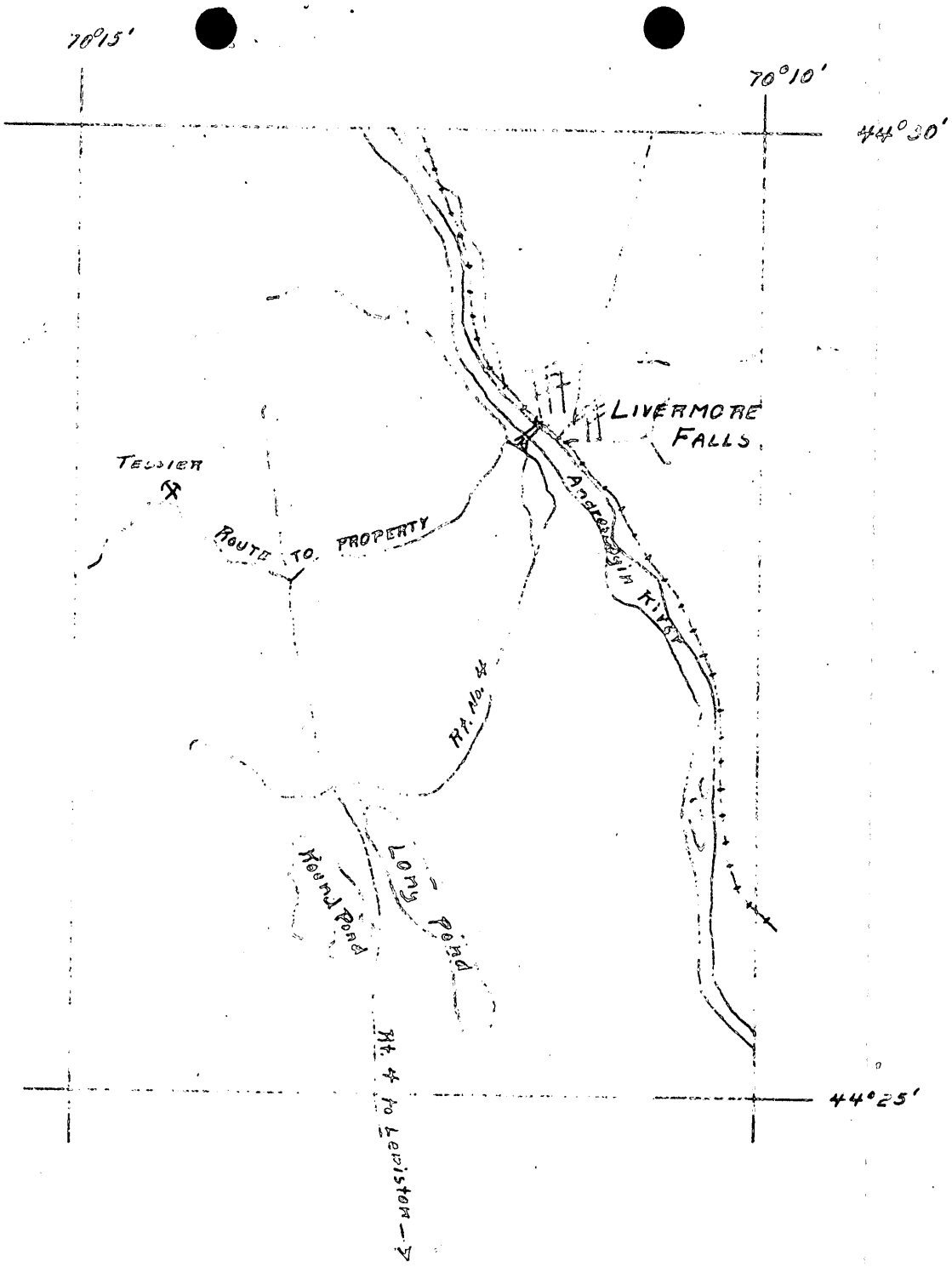
Discussion of Applicant's Proposal

Trenching as proposed in the application is considered to be the most effective method of exploring this property. The schedule of costs as proposed are considered reasonable.

W. T. Millar, Executive Officer
Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

(for) Quentin D. Singewald, U. S. Geological
Survey Member, Bureau-Survey Field Team
Defense Minerals Exploration
Administration, Region VIII

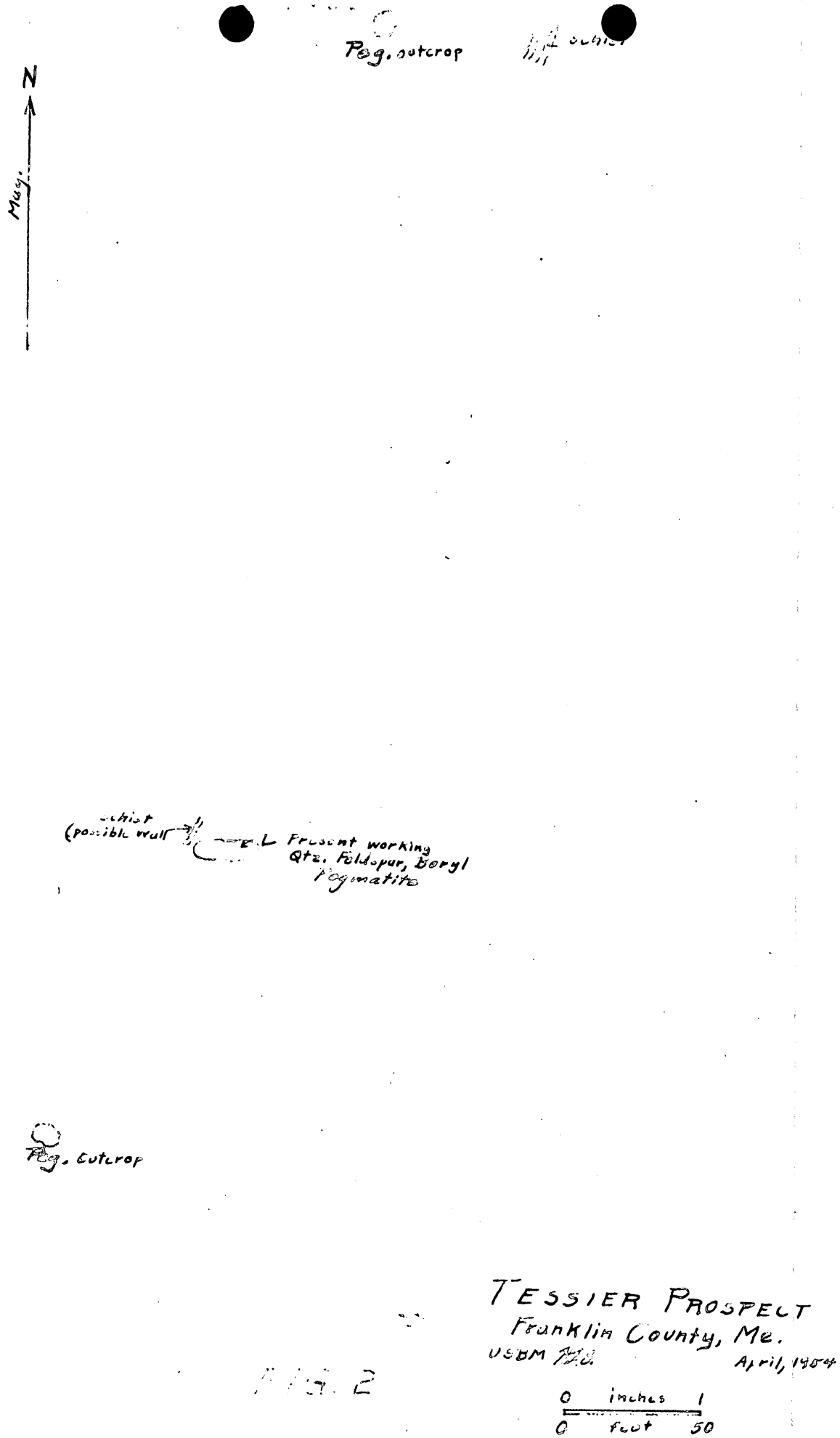
College Park, Md.
August 10, 1954



TESSIER BERYL PROSPECT
FRANKLIN COUNTY, Ma.

USBM APRIL, 1954

FIG. 1



TESSIER PROSPECT
Franklin County, Me.
USBM
April, 1954

0 inches 1
0 foot 50

FIG. 2

FILE COPY
Surname:

Hoyt
Selfridge
Johnson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
600
WASHINGTON 25, D. C.

MAY 11 1954

Mr. W. T. Millar
Executive Officer, DMEA
Field Team, Region VIII
Bureau of Mines
Eastern Experiment Station
College Park, Maryland

Subject: Docket No. DMEA-3331 - Beryl
Leo Nessler Property
Franklin County, Maine

Dear Mr. Millar:

Please review the subject application and arrange for a field examination if you deem it necessary.

Copies of memoranda from the Geological Survey, dated May 4, 1954, and from the Bureau of Mines, dated May 5, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GHS)

Approved:

J. H. Hedges (GHS)
Member, Bureau of Mines

T. P. Thayer (GHS)
Member, Geological Survey

Enclosures 4

LGHouk:ag 5/7/54

Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Griffith, 3641A
Mr. Larrabee, G-232, GSA Bldg.
Mr. Houk

R.C.S.

FILE COPY
Surname:

Houk
Selfridge
Bedard
Boyd
Fitzgerald

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D.C. 600

MAY 11 1954

Mr. Leo Tessier
Box 132, R.F.D No. 2
Livermore Falls, Maine

Re: Docket No. DMEA-3331 - Beryl
Leo Tessier Property
Franklin County, Maine

Dear Mr. Tessier:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. W. T. Millar, Executive Officer, DMEA Field Team, Region VIII, Bureau of Mines, Eastern Experiment Station, College Park, Maryland, for further consideration and possibly a field examination.

Please advise this office in writing if you desire to have your application processed under the new Government participation rate which is 75 percent of the approved cost.

The Regional Office will contact you at an early date if an examination is to be made. Any assistance that you may give the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

LGHouk:ag 5/7/54

Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VIII
Mr. Griffith, 3641A
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

R.C.G.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

Defense Minerals Administration
RECEIVED
MAY 5 - 1954

May 5, 1954

Memorandum

To: L. G. Houk, Chief, Nonmetallics Division, DMEA

From: R. F. Griffith, Commodity-Industry Analyst, Rare and Precious Metals Branch

Subject: DMEA - 3331, Beryl, Leo Tessier, Livermore Falls, Franklin County, Maine

The subject application has been reviewed by this office. Since the property is located in a beryl producing area it is recommended that the application be referred to the field for investigation.

R. F. Griffith
R. F. Griffith

Attachment

IN REPLY REFER TO:
G-MD-CNM

Defense Minerals Administration
RECEIVED
MAY 5 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

May 4, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3331 (beryl)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant's name and address: Leo Tessier, Livermore Falls, Maine.
Name of property: None.
Location of property: Franklin County, Maine.
Summary of applicant's proposal: 3 trenches into bedrock.
$714.
Sources of information on applicant's property: None.
Comments:

The peg mined to date has yielded beryl at a rate of 0.03%,--too low to be of much interest. But the applicant is sufficiently interested to have done this work on his own.

His request is for a very small amount.

RECOMMENDATION:

Approval of application. However, upon completion of the project, the applicant or Field Examiners should measure workings and beryl crystals, and give us some accurate figures on beryl content, etc.

D. M. Larrabee

Mr. Leo Tessier
P. O. Box 132
R. F. D. No. 2
Livermore Falls, Maine

5/3/54
Subject: DMEA-3331
Re: Exploration Assistance

Dear Sir:

The receipt of your application dated April 26, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3331 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-3331 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operation's Control
and Statistics Division

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

May 3, 1954

Memorandum

To: Executive Officer, DMEA Field Team, Region VIII

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region VIII.

DMEA-3331 Leo Tessier

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
College Park, Maryland

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1954

April 30, 1954

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA

From: Executive Officer, DMEA Field Team, Region VIII

Subject: Tessier Property - (Beryl)
Franklin County, Maine
Owner: Leo Tessier
Box 132, RFD No. 2
Livermore Falls, Maine

Transmitted herewith are three copies of the subject application, together with sketches (Figs. 1 and 2).

H. L. Burmeister, an engineer from this office, assisted Mr. Tessier in executing the application.

W. T. Millar

W. T. Millar

Enclosures - 3

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 30 1954

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. 3331
Metal or Mineral Beryl
Date Received
Estimated Cost $714
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Leo Pesell, Livermore Falls Maine, R.F.D. No. 2 Box 132

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract All land specified in deed as included. Land in Franklin County, Maine.

(*b*) State any mine name by which the property is known. None

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner Deed recorded in Franklin County Maine - Book 247 Page 257 - See 3(e)

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

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5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Beryl

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 15 days and be completed within 2 months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)?

(*b*) How do you propose to furnish your share of the costs?

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated April 26, 1954

Leo Tussier
(Applicant)

By

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—66551-1

Leo Tessier, R.F.D #2, Box 182, Livermore Falls, Maine

3(c) This property consists of about 165 acres and the prospect is approximately near the center.

Leo Tessier, R.F.D. #2 Box 122, Livermore Falls, Maine

4(a) The only mining exploration done on this property consists of one open working approximately 24x10x3 feet deep. This opening has been in quartz and feldspar containing beryl. My interest has been as owner to find beryl. The workings are easily accessible for examination being only 200 yards from my house and in open country.

4(b) The only production from this property has come from the small opening above described. I have sold approximately 6 tons of feldspar all No. 1 and have recovered about 30 pounds of beryl in crystals from 1/4 inch to 2 inches in diameter. There is beryl showing in the bottom and sides.

4(c) This pegmatite outcrops in several places only one of which has been touched. The beryl occurs in both the quartz and the feldspar. The pegmatite seems to me to have its long dimension in a northwesterly direction. My reason for wishing to explore are to attempt to increase the beryl available to the Government. The walls of the pegmatite cannot be determined due to snow & lack of development. See Fig. 2.

4(d) This property is accessible the year round mostly by surfaced road from Livermore Falls, Maine. The property is reached by leaving Livermore Falls on route 4 west, crossing the Androscoggin River bridge, after crossing bridge turn hard right & follow surfaced road uphill 1.½ miles to fork. Follow main fork to right 0.9 miles to Tessier home. See Fig. 1

4(e) All necessary equipment and man power are available in Livermore Falls. Gasoline power would be used although electricity is available within 200 feet of present work.

Leo Tessier, R.F.D. #2 Box 130, Livermore Falls, Maine

5(b) See Fig 2 — The proposed exploration work would consist of bulldozing 2 trenches and blasting a rock trench in each. The dozer trench to be 8 feet wide and to bed rock which will average 3 feet below surface. In the bottom of each dozer trench will be blasted a hard rock trench a minimum of 2 feet wide and two feet deep.

In case a trench encounters a wall of schist it will not continue in that direction more than 10 feet and the balance of the length may if in pegmatite be added to the other end of the trenches.

Trenches "A" and "B" maximum of 100 feet long, trenches "C" a maximum of 50 feet long. Total of 250 feet.

All trenches are to be laydd out on what appears to be the long direction of the pegmatite as shown in Fig 2

5(d) The applicant is familiar with bulldozing and blasting operations and can oversee the exploration

Lettesier, R.F.D #2 Box 132, Livermore Falls Maine

6 (a) None

6 (b) No labor is needed in the bulldozing operation.

- Justification for Unit Costs -

Labor for rock trenches

1 - Driller 64 hours @ $1.50 per hr.	$96.00
2 - Muckers 60 hours @ $1.25 " "	75.00
Supervision part time - @ 150.00 mo.	75.00
Ins. L.S.	13.00
	$259.00

~~0.28~~ $1.03 per lineal foot of trench

Equipment for Bulldozing

Rental D6 - @ $7.00 per hr 16 hrs	$112.00
Estimated cu. yds. 280 cu. yds. ~~per cu. yd.~~ 0.40	~~0.40~~

Equipment for rock trenching

Compressor, Jackhammer & Laser @ $185.00 per mo.	92.50
per lineal foot $0.36	

Supplies for rock trenches

40 Drill bits @ 0.50	20.00
5 resharpening each @ 0.10	20.00
Gasoline & oil for 10 day @ 7.00	~~40.00~~ 70.00
250 lbs. Dynamite @ 30.00 per 100 lbs.	75.00
Detonators 190 No. 0 @ 0.15	28.50
" 190 No. 1 @ $0.17	32.20
Blasting machine furnished	0.00
Head Room	5.00
	~~290.80~~ 250.80

per lineal foot $1.16

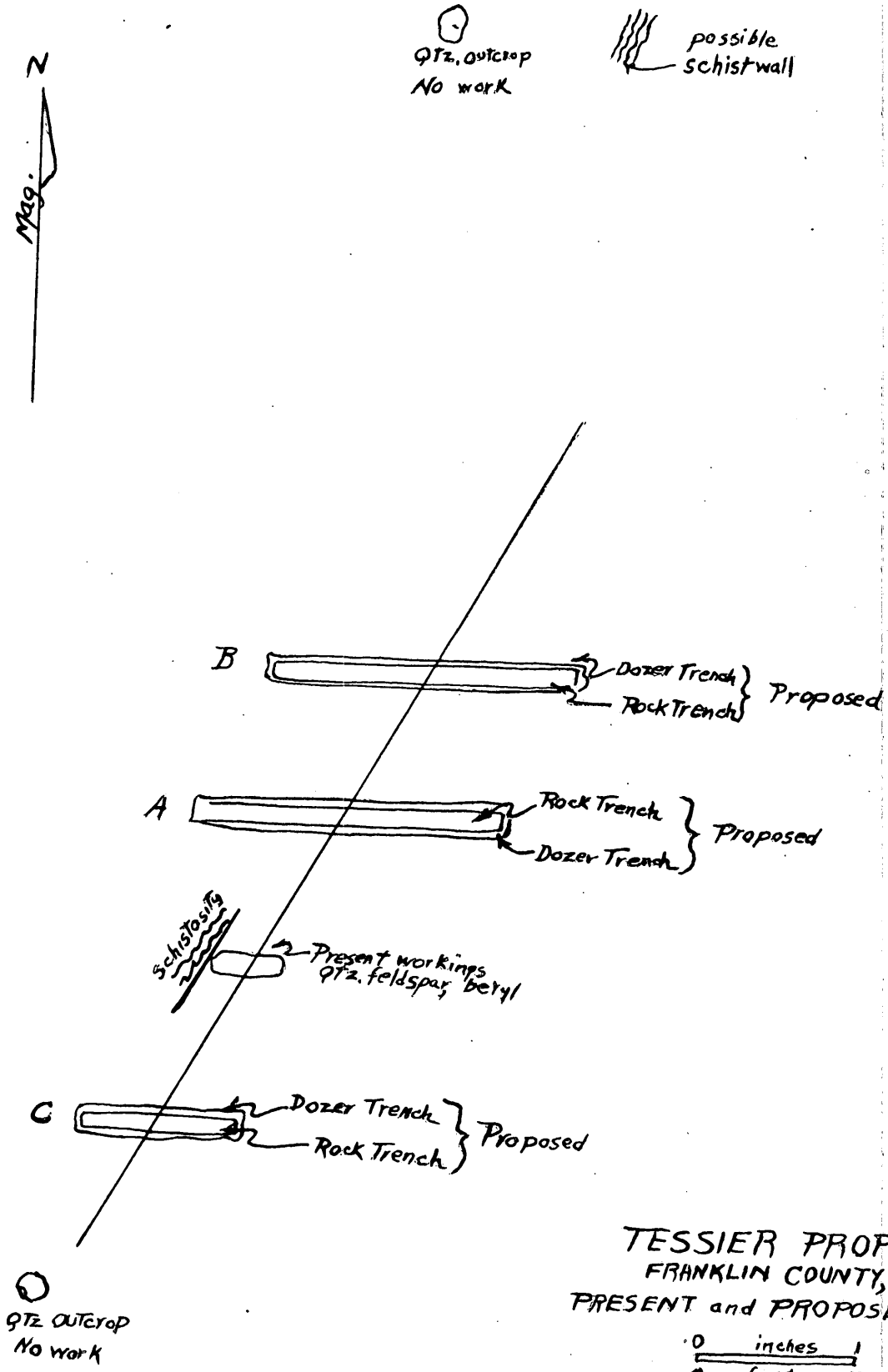
Recapitulation

Bulldozing per cubic yd.	0.40	~~$0.40~~
Rock trenching per lineal foot	2.54	~~2.54~~

Cost of Project

222 cu. yds. bulldozing @ 0.40		~~$88.80~~
250 lineal feet rock trenches @ 2.41	602.30	~~625.50~~
Total		~~$724.30~~

Total $ 714.30

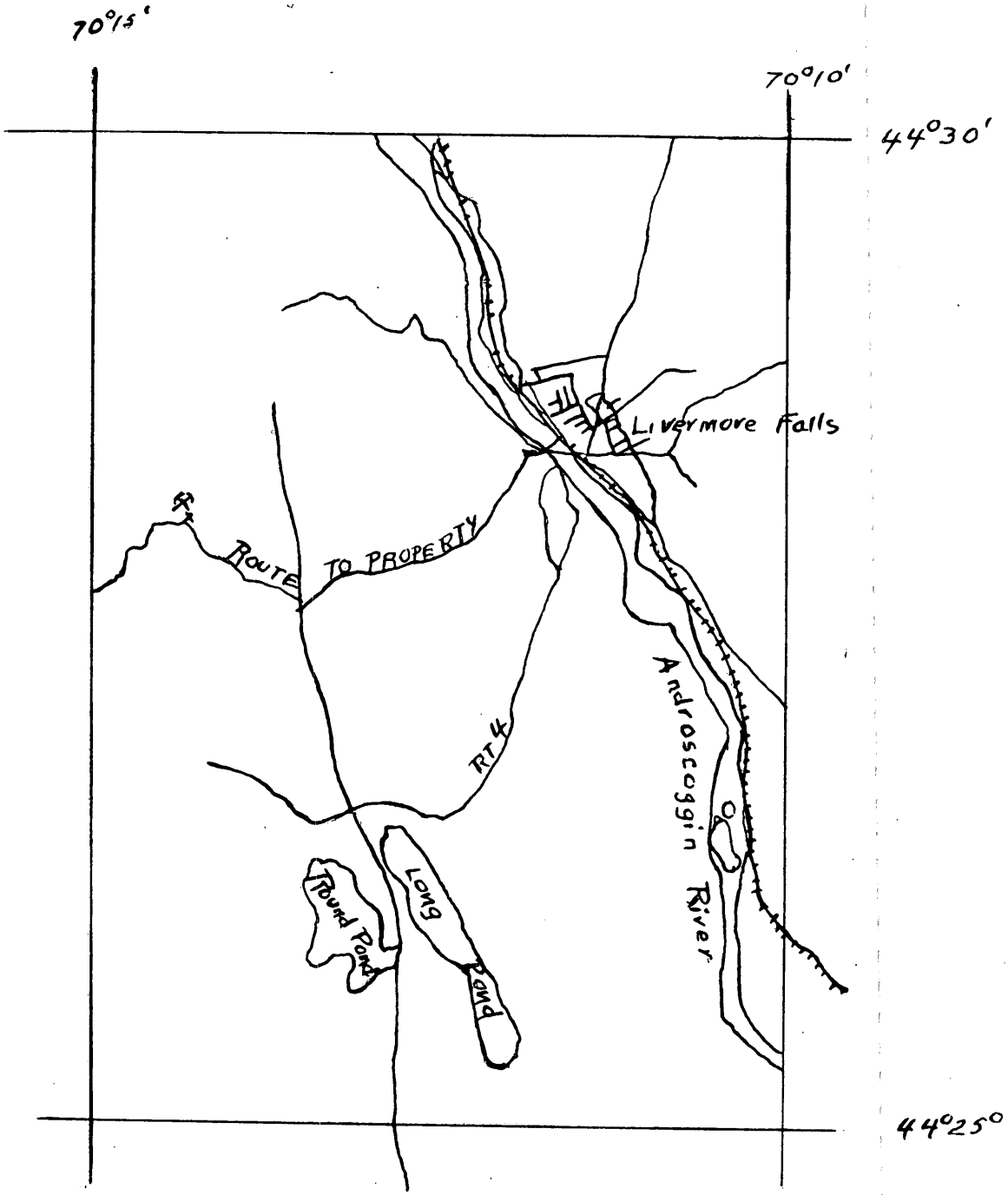


TESSIER PROPERTY
FRANKLIN COUNTY, ME.
PRESENT and PROPOSED WORK

0 inches 1
0 feet 50

4/17/54

FIG. 2

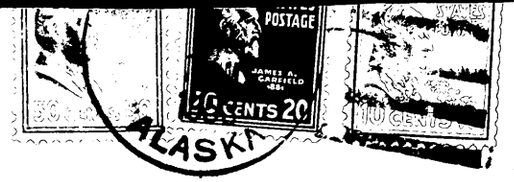


Rt 4 To Lewiston →

TESSIER PROPERTY
AREA MAP
U.S.G.S. LIVERMORE QUAD.
FRANKLIN COUNTY, ME.
4/17/54

FIG-1

P. O. Box 560
Juneau, Alaska



AIR MAIL

OPERATING COMMITTEE

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WASHINGTON 25, D. C.