DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 4987

Application
- [X] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [x] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [X] Project summary (final)
- [ ] Work Comoleted analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [X] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports

- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
APR 21 1958
D.M.E.A.

CONSENT TO LIEN
and
SUBORDINATION AGREEMENT 1/

To the United States of America:

Referring to that certain land in the County of _____, State _____, described as follows: 2/

BEGINNING on a stake which is located North 50' from what is known as the Snow Prospect, thence North 250' to a stake, thence West 300' to an iron stake, thence South 600' to a stake, thence East 600' to a stake, thence North 600' to a stake, thence West 300' to the point of beginning. The North West corner of this legal description is located North 35 degrees West 260' from the corner of a dwelling house. This property is located approximately one-half mile North West of Franklin, North Carolina, as recorded in register of deeds office in Macon County, Book SS, pages 551 and 552.

_____,
which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom, to secure the payment to the Government of a percentage royalty on production as may be provided for by the Contract;

3. Subordinates the undersigned's right, title, claim, or interest in or against the land and in any production therefrom to the rights of the Government under the contract with respect to royalty on production and liens to secure same;

4. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none." Do not leave lines blank.)

Except present lien to United States Government given by former lessees.

1/ Mining or production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in Book _____, Page _____, official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

5. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this Agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land, or any production therefrom furnishing the Government with two copies of such notice; and

6. Consents to all amendments (including an agreement of termination) and assignments of the contract without notice thereof, and undertakes and agrees that this Agreement shall extend and apply thereto.

7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Paul L. Grist	[Seal]	Rabun Gap, Georgia	[Address]
Eliza C. Grist	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

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1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Paul L. Grist	[Seal]	Rabun Gap, Georgia	[Address]
Eliza C. Grist	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

MF-205
(Combines and supercedes MF-20[illegible] and MF-203)
June 1956

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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and
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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Paul L. Grist	[Seal]	Rabun Gap, Georgia	[Address]
Eliza C. Grist	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

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[Corporate Seal]

MF-205
(Combines and supercedes MF-201 and MF-203)
June 1956

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EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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and
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7. Added provision: _____ (State "None" or "See Annex No.____")

Dated this _____ day of _____, 195__.

Paul L. Grist	[Seal]	Lakeview Gap, Georgia	[Address]
Eliza C. Grist	[Seal]	" "	[Address]
	[Seal]		[Address]
	[Seal]		[Address]
	[Seal]		[Address]
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_____

[Corporate Seal]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 21 1958
CODE

April 18, 1958

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Application from Sam L. Phillips, Spruce Pine, N. C.
Snow Prospect, Macon County, North Carolina (Mica)

Enclosed are the original and two copies of the subject application with sketch maps attached, which were received at this office. We are keeping the fourth copy of the application and map for our use.

A copy of the lease and executed copy of the Consent to Lien and Subordination Agreements are attached to each copy of the application. One other executed copy of the Consent to Lien is enclosed.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

Enclosures

Form MF-103
Revised Oct. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

DEFENSE MINERALS EXPLORATION ADMINISTRATION

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

Mr. Sam L. Phillips
Spruce Pine, N.C.

RECEIVED
APR 21 1958
D.M.E.A.

APPLICANT NOT TO USE THIS BLOCK

Docket Number	DMEA-4987
Date Received	4-21-58
Government Participation %	
Region	V.
Division Code	600

BUSINESS ORGANIZATION (Check one)

- Individual [X]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized N.C.

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Sam L. Phillips, Individual		

Mineral(s) for which you wish to explore: Mica

Estimated Cost of Project: $ 9700.00

LOCATION OF PROPERTY

Name	County	State
One-half mile N.W. of "Snow Prospect"	Franklin, Macon	N.C.

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Revised, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

RECEIVED
APR 18 1958
U. S. Geological Survey
Contracts Division
Washington, D.C.

4-15-58
Dated

Sam L. Phillips
BY (Signature)

Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d)–Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Revised.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

DUP. SEC., WASH., D.C. 25960

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DMEA
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DATE | INITIALS | CODE

MF - 103 (Continuation Sheet)

1. (a) Description on lease.

   (b) Prospect will be known as the "Snow Prospect".

   (c) Lessee

   (d) No lien.

2. (a) There has been some previous work. (b) applicant has no interest in previous operations.

   (c) No records of past production.

   (d) There appears to be a significant amount of strategic grade mica showing in vein material.

   (e) Pegmatite vein.

   (f) From appearance of materials showing, we believe that strategic quality ruby mica may be found by exploration operations.

3. (a) Road access will be bulldozed, and Sam Phillips will meet the DMEA representatives in his office in Spruce Pine, N.C. and go with them to the mine which is located approximately one-half mile North West of Franklin, North Carolina.

   (b) We propose to bulldoze road access, manpower, equipment and supplies are available.

4. (a) We propose to bulldoze road access, and bulldoze away overburden to best locate shaft site, then lower a 5' X 7' shaft to a depth of 95', then drift 120' with vein.

   (b) 75' length of road access to be bulldozed.

   (c) Work can begin within 15 days after contract is received, and project can be completed within eight months.

5. Now on file with D.M. E.A.

6. Estimate of Costs:

15 hrs. dozing @ $10.00 per hour	$ 150.00
95' Shaft @ $50.00 per foot	4750.00
120' Drift @ $40.00 per foot	4800.00
Total estimated cost of project:	$ 9700.00

7. (a) Will share cost of proposed project.

   (b) Money and equipment.

[illegible]

ORIGINAL FILE COPY
DMEA
RECEIVED APR 21 1958
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NORTH CAROLINA
MACON COUNTY

THIS INDENTURE made this 11th day of April, 1958 between PAUL L. GRIST and wife, ELIZA C. GRIST, of Rabun County, Georgia, as parties of the first part, and known as lessors, and SAM L. PHILLIPS, of Mitchell County, North Carolina, party of the second part, and known as lessee.

WITNESSETH:

That the parties of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessors, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargain, lease and grant to the party of the second part, and his heirs and assigns for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written, towit:

> BEGINNING on a stake which is located North 50' from what is known as the Snow Prospect, thence North 250' to a stake, thence West 300' to an iron stake, thence South 600' to a stake, thence East 600' to a stake, thence North 600' to a stake, thence West 300' to the point of BEGINNING. The Northwest corner of this legal description is located North 35 degrees West 260' from the corner of a dwelling house. This property is located approximately one-half mile Northwest of Franklin, North Carolina, as recorded in Register of Deeds office in Macon County, Book SS, pages 551 and 552.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease,

And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, and it is hereby agreed that the party of the second part, the lessee, is to have right-of-way of ingress and egress to said mines or land upon which exploration is being conducted

AND IT IS FURTHER AGREED That the party of the second part, the lessee, hereby agrees to pay to the said parties of the first part, or their heirs or assigns, a minimum royalty of Twenty-Five ($25.00) Dollars per month beginning on the 12th day of June, 1958, and an earned royalty of twelve and one-half (12½%) per cent of the sales price of all mica removed from said property, which said royalty is hereinafter referred to as the earned royalty. The earned royalty shall be paid on all minerals removed from said property from and after the date hereof, but after the 12th day of June, 1958, the minimum royalty shall be applied as a credit toward the earned royalty. In addition to the earned royalty and minimum royalty above referred to, lessee further agrees to pay five per cent to the United States Government upon the exploration loan which it now has upon the property. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED that lessee will have sixty days in which to start mining operations.

AND IT IS FURTHER AGREED that the lessee, party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the parties of the first part or by the continuation of any mining operations then being conducted. The lessors reserve the right to use the

land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

WITNESS our hands and seals the day and year first above written.

Paul L. Grist (SEAL)

Eliza C. Grist (SEAL)

Sam L. Phillips (SEAL)

NORTH CAROLINA
MACON COUNTY

Personally appeared before me this day PAUL L. GRIST and wife, ELIZA C. GRIST, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and Notarial Seal, this 12 day of April, 1958.

Lucile Gibson
Notary Public, Macon County, N. C.

My Commission Expires: December 22, 1959

NORTH CAROLINA
MITCHELL COUNTY

Personally appeared before me this day SAM L. PHILLIPS, who acknowledged the due execution of the foregoing instrument for the purposes therein expressed.

WITNESS my hand and Notarial Seal, this 15 day of April, 1958.

Kenneth R McKinney
Notary Public, Mitchell County, N. C.

My Commission Expires: 8/29/59

U.S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1957)
Promulgated by Bureau of the Budget Circular A-33 (Rev.)

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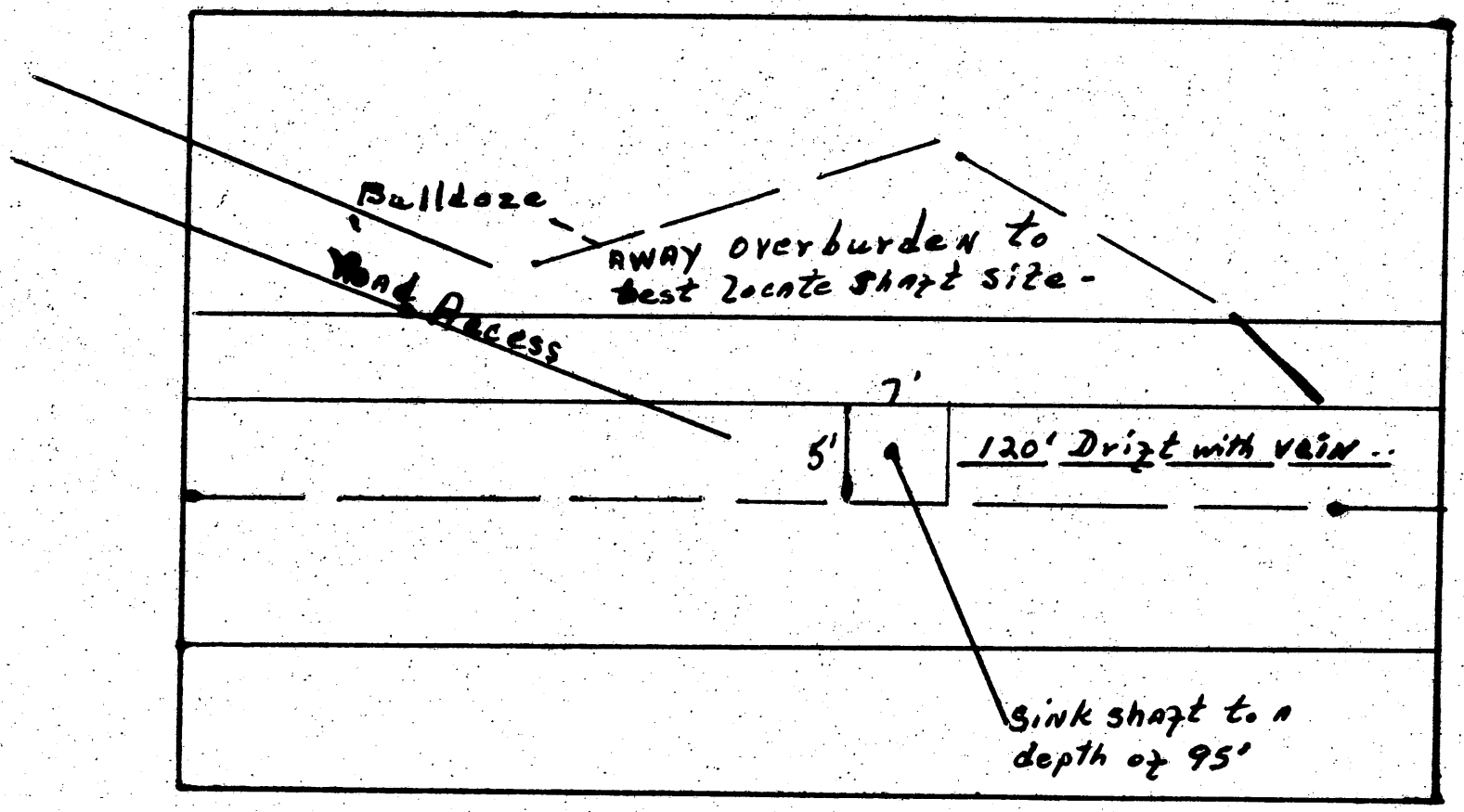
"Snow Prospect"

Macon County, N.C.



"Approach Map"

U.S.A.

Hidden Mine Shaft

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

600

June 9, 1958

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Director, Division of Nonmetallic Minerals

Subject: Evaluation of application and field examination report
Docket No. DMEA-4987-Mica
Sam L. Phillips
Snow Prospect (Baird Cove)
Macon County, North Carolina

Denial of application is recommended.

Pegmatite: The pegmatite at the northwest end of the property was not adequately explored by the work done under DMEA contract. The heavy ground at the northwestern end is discouraging for any additional work.

Workings: Nothing new since exploration DMEA-2579. The second DMEA shaft is flooded and a few caved pits. Workings in the southeastern end of the area, where Applicant wants to explore, are not accessible. All surface exposures overgrown.

Past production: The Snow Prospect is the same as the Baird Cove Mine, DMEA-2579, (pseudo certification). No royalty has been paid for any production.

Applicant's proposal:	Bulldozer 15 hrs. @ $10/hr.	$150.00
	Shaft 95 ft. @ $50/ft.	4,750.00
	Drift 120 ft. @ $40/ft.	4,800.00
	Total estimated cost	$9,700.00

Recommendations: The Field Team recommends denial because of the lack of a definite geologic target at the southeastern site and heavy ground conditions which forced abandonment of DMEA project. The Division of Nonmetallic Minerals and the Commodity Members of the Bureau of Mines and the Geological Survey concur in the Field Team's recommendation.

LGHouk:gad 6/9/58
Copy to: Admr. R. File
Mr. Houk

8623

[illegible]

[illegible]

To: [illegible] Field Engineer

From: [illegible] Thomas Dimmerson, Division of Reconstruction Finance

Subject: Evaluation of application and field examination for [illegible]
[illegible]
[illegible]
[illegible] Department (Field Cove)
[illegible] County, North Carolina

Denial of application [illegible]

Reasons: The economics of the operation and of the property was not adequately [illegible] by the work done by [illegible] RFC examiner. The heavy record of the [illegible] and is discouraging for any additional work.

Marketing: Fishing now [illegible] and [illegible]. The [illegible] with shrimp in flooded and a few naved [illegible]. Shrimping is the outstanding [illegible] of the area, there is very little work to supplement, [illegible] and [illegible] [illegible] overpower.

Past production. The [illegible] indicated in our area as the [illegible] Cove Time) [illegible], (see [illegible]). No royalty has been paid for any production.

Equipment in [illegible]: [illegible] 15 [illegible] [illegible]
[illegible] 25 [illegible] [illegible]
[illegible] 20 [illegible] [illegible]
Total estimated cost [illegible]

Recommendations: The Field [illegible] recommends denial [illegible] the lack of a feasible [illegible] based on the [illegible] and heavy [illegible] conditions which forced [illegible] of RFC projects. The [illegible] of "[illegible]" [illegible] and the [illegible] of the [illegible] and the [illegible] in the Field [illegible].

[illegible]
[illegible]
[illegible]

DMEA Form 7
(12-56)

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6/9	Houk	600
6/11	Selfridge	130
6/11	Lamb	130
6/11	Kiilsgaard	130
6/11	Johnson	110
"	Mittendorf	100
		220

600

JUN 11 1958

Mr. Sam L. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4987-Mica
Sam L. Phillips
"Snow Prospect"
Macon County, North Carolina

Dear Mr. Phillips:

Your application for aid for an exploration project and other reports available to us in Washington relating to the subject property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

LGHouk:gad 6/9/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

June 5, 1958

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4987 (mica)

Applicant: Sam L. Phillips

Name and Location of Property: Snow Prospect, Macon County, N. C.

Date of Field Team Report: 5/29/58

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 6/3/58

Field Team Recommendation: Recommend denial of application.

Comments:

1. This is an old mine, the northwest end of which was explored under DMEA-2579.

2. Applicant wishes to explore southeastern end of property, not suggested under previous DMEA exploration because of nonstrategic quality of mica.

3. Workings in southeastern end of property are caved and flooded, and no definite geologic target exists.

Recommendation:

I concur with recommendation of field team for denial of application.

Donald R Irving

Donald R. Irving

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] ([illegible])

[illegible]

[illegible]

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IN REPLY REFER TO:

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

June 4, 1958
Re: DMEA 4987
Sam L. Phillips
The Snow Prospect
Macon County, North Carolina
$9,700 - Mica

Memorandum

To: L. G. Houk, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report

The applicant requested assistance in exploring a pegmatite by shaft sinking and drifting. The applicant reported work had been done and, as usual, had no interest in the previous operation, knew nothing of past production, but believed ruby mica might be found by further work.

The examiners found the property is sometimes called the Baird Cove Mine and work had been done in another part of it under DMEA 2579.

As no definite target is known to exist in the area chosen for the proposed shaft, the examiners recommend that the application be denied. I concur with the recommendation.

N. E. Nelson

N. E. Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

May 29, 1958

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6/5	C	220
6/5	Hwl	600

Memorandum

To: Operating Committee, DMEA, Washington

From: DMEA Field Team, Region V, Knoxville

Subject: DMEA-4987 (Mica)
Sam L. Phillips, Spruce Pine, N. C.
"Snow prospect", Macon County, N. C.

Enclosed are the original and two copies of the field examination report on the "Snow prospect".

This turned out to be the same mine as the Baird Cove Mine (DMEA-2579).

Because nothing new could be seen, and because of the heavy ground conditions which forced abandonment of the earlier DMEA project, this property does not provide a good exploration target. We agree with the recommendation for denial.

Robert A. Laurence
Robert A. Laurence
Executive Officer

Wm. A. Beck
Wm. A. Beck, for
V. J. Lynch, Member

Enclosures

Ore - Site
Exam Rept

Reviewed by
DMEA OPERATING COMMITTEE
6-4-58
(date)

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT, REGION V

DMEA-4987 (Mica), "SNOW PROSPECT"
Macon County, North Carolina

F. G. Lesure, Geologist
U. S. Geological Survey

S. A. Feitler, Mining Engineer
U. S. Bureau of Mines

Approved by
DMEA Director or Contracting
6-4-58
(date)

May 28, 1958

FIELD EXAMINATION REPORT

DMEA-4987 (Mica), "SNOW PROSPECT"
Macon County, North Carolina

Applicants: Sam L. Phillips
Spruce Pine, North Carolina

SUMMARY

The "Snow Prospect", more commonly called the Baird Cove Mine, has been worked extensively in the past and was pseudo certified after failure in two attempts to sink a shaft under DMEA-2579 at the northwest end of the property. The lack of surface exposures and the presence of an unknown amount of underground work at the southeast end tend to discourage further exploration there. We recommend that exploration assistance at the southeast end of the property be denied because of the lack of a definite geologic target. The pegmatite at the northwest end of the property was not adequately explored by the work done under DMEA-2579.

INTRODUCTION

Location:

The "Snow Prospect", generally called the Baird Cove Mine, is 1.4 miles N. 70° W. of Franklin, Macon County, North Carolina. The mine area is on the east side of Crawford branch near the end of the Crawford branch road. The mine is accessible at all times.

Examination:

An examination of the "Snow Prospect" was made on May 8, 1958, and lasted 2 hours. Messrs. Howard, Homer, and Jeter Boone accompanied the examiners.

History:

The Baird Cove Mine was operated by C. D. Smith in 1905 and 1906. F. E. Snow (from whom the Applicant took the new name of

the mine) worked the property in 1943. Larrabee (1943, Baird Mica Mine, unpublished U. S. Geol. Survey manuscript, copy attached) and Jahns (1944, Baird Mica Mine, unpublished U. S. Geol. Survey manuscript, copy attached) give a more complete history and description of the workings. Very little remains today except the second DMEA shaft which is flooded (Final Report, DMEA-2579, Baird Cove Mine, 1955) and a few caved pits. The Applicant wishes to do exploration at the southeastern end of the property. The workings in this area are not accessible. Work was not suggested for this area during the previous DMEA exploration because the mica is green and was not accepted as strategic at that time.

GEOLOGY

The reports of Jahns and Larrabee and the final DMEA report (DMEA-2579) describe the geology of the Baird Cove Mine. At present all workings are inaccessible and all surface exposures overgrown. Nothing new concerning the geology was determined during the examination.

RECOMMENDATIONS

We recommend that exploration assistance be denied because of the lack of a definite geologic target at the southeastern site. The extensive underground workings, now inaccessible, in the southeastern end of the mine make the planning of an acceptable exploration program difficult. The heavy ground at the northwestern end is discouraging for any additional work.

F. G. Lesure, Geologist
U. S. Geological Survey

S. A. Feitler, Mining Engineer
U. S. Bureau of Mines

U. S. GEOL. SURVEY

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BAIRD MICA MINE

Macon County, N. C.

December 23, 1943 — D.M.Larrabee

Location and Accessibility

The Baird mine is located 1½ miles N. 70° W of Franklin, N.C., on the east side of Crawford Branch. It is situated at an approximate elevation of 2200' above sea level, and is easily reached by 1 mile of good dirt road leading northwest from Route 64 a very short distance east of Crawford Branch, or roughly 1 mile west of Franklin.

History and Ownership

The mine is reported to have been worked by the aborigines. It was operated long ago by C. D. Smith, and later, in 1905 and 1906, by a Mr. Eldridge, Franklin, N. C. The former is said to have been the only person to encounter large concentrations of mica during the early history of the deposits.* The northwest workings are reported to be at least 60 years old, and the two adits near the branch in the southwestern part of the mapsarea are reputed to be at least 40 years old.

Floyd E. Snow, Franklin, leased the property in October, 1942, from Eliza Cobb Grist, Franklin, but started no development until August, 1943, when work was begun on the Willis shaft and drift in the northwestern area. Snow purchased the surface rights to 85 acres in October, 1943, and the mineral rights in November, 1943.

Development

Numerous shafts (caved), adits, and stopes have been excavated on the property. Of the most recent work, Shaft No. 1 was begun on August 26, 1943 and completed to a depth of 46' in two weeks. Adjacent to this, Shaft No. 2 was sunk 39' in a similar period, the two then forming a two-compartment shaft. Considerable water was encountered and pumping was a major difficulty. The decomposed mica gneiss wallrock and soft pegmatite caved so badly that cribbing was carried solidly from surface to bottom. From the base of Shaft No. 2 a 25' drift was made to the northwest, and this was stoped out to within 15' of the surface. A downward inclined drift from the same shaft was extended southeast on the pegmatite; this was stoped out from the roof of the pegmatite to the 39' level below the surface or 7' above the bottom of the sump in the bottom of Shaft No. 1. An automatic electric pump was installed to lower the water level and maintain it below the 39' level, where a 120' drift was run in pegmatite to the east-southeast. From this drift two short crosscuts were extended southeast in anticipation of striking another pegmatite to the south: none was encountered at that level.

On or about Dec.11,1943, Shaft No. 3 was started to prospect for this expected pegmatite south of the main mass, and was completed to a depth of 42' in 7½ 8-hour days with a crew of 4 men. The shaft is solidly cribbed from surface to bottom, which is nearly above the lower adit. A 4" hole was drilled through to the lower adit from the north corner of the shaft. From the base of this shaft a crosscut is planned to the south to intersect an expected pegmatite reported to have been worked in the old days. On Dec.22, 1943 a new

*U.S.G.S.Bull.770,Sterritt.

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adit was started to prospect a pegmatite in another area of old workings reported to be about 900' northeast of the present workings. These have not been visited to date. This adit is to be known as Baird No. 5.

The property around the present workings was mapped Dec. 21, 1943, by M. R. Klepper and the writer. Plane table and alidade methods were used on the surface, whereas chain-compass methods were employed underground. As nearly all of the old workings have caved and are now inaccessible, they have been plotted on the map, and sections prepared, from information furnished by Fred Willis, superintendent for Mr. Snow.

Geology

Old workings to the northwest, and information on the same, suggest the pegmatite worked there to have an hour-glass shape in plan, injected into biotite gneiss having a general strike of northwest and probably dipping steeply southwest. The central mass is reported to have been nearly pure quartz from 15' to 40' thick, and surface evidence supports this. It is surrounded by a zone from 3' to 5' thick comprised of plagioclase, quartz, and muscovite; the last is richest and of best quality where frozen to the quartz core although some good sheet was removed from both wall contacts. The north side of the quartz mass is said to have been richer than the south, and the mica from here was concentrated in a 4' zone. The south quartz contact mica zone is reported to have averaged 3' in width. Most mica is green, but some ruby was recovered. The mica is said to have occurred in pockets rather than in sheets or blankets surrounding the quartz.

Numerous shafts were sunk elsewhere on the property, and dumps indicate several pegmatites. Although there is little evidence, it is believed they all strike roughly east-west or northwest-southeast. Some of these evidently yielded ruby mica, as small books of this color were found on some of the old dumps.

The pegmatite worked most recently, and reached via Shafts 1 and 2, appears to be cigar-shaped, striking S.70° E. (variable), dipping steeply southwest, and plunging southeast at an angle of about 30° in the drift northeast of Shaft No. 2: this flattens abruptly at the base of the shaft, and the upper surface appears to be essentially horizontal as far as the present heading (see Section E-E'). Here a roll occurs in the north wall, which turns upward toward the south. If the depth (or thickness in the vertical plane) remains fairly constant, the bottom of the pegmatite may be expected from 10' to 20' below the floor of the present drift at the 30' level.

The average width of this pegmatite is 5' to 7', whereas the thickness varies from 15' to 25'. The pegmatite is extremely rich in green mica associated with decomposed plagioclase and quartz along both the north and south walls. Some of the mica is color-zoned with ruby within the same book. The books are often large but most are ruled, broken, and black-stained. Evidence of faulting, with small displacement, was noted in all workings, and this effect has been reflected in the quality of mica, although some good #1 and 2 grade mica has been recovered. Much of the feldspar is stained black with a soft sooty material resembling MnO_2. In places within the main drift a central core of quartz was noted: this rarely exceeded 2' in width.

RECOMMENDATIONS

It is suggested that future prospecting and development be done in the northwestern part of the property, between the old workings shown on the map and a point 100' north of the house west of the map, in hope of encountering the continuation of the quartz-core pegmatite formerly worked. Much quartz has been observed in the surface material through this region. Specifically, this area should be cross-cut to determine the width and possible mica-bearing zones anticipated between the quartz mass and both walls.

It might be well to confine future prospecting and development to areas outside those known or supposed to be honeycombed with abandoned workings, and in which it may be reasonably assumed no quantity of high quality mica was left by the former operators.

APPENDIX

On December 24, 1943, the crosscut to the south from Shaft No. 3 had been advanced a total of 25', and had encountered two old workings: a 5' drill-hole in the heading had encountered a third. No pegmatite had been reached. Backfill from the old workings included some ruby mica.

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BAIRD MICA MINE
MACON COUNTY, NORTH CAROLINA

Supplementary report

August 1944

Richard H. Jahns

Introduction

The Baird mica mine is about 1.5 miles southeast of Franklin, Macon County, North Carolina. It was examined and mapped by D. M. Larrabee and M. R. Klepper of the Geological Survey in December, 1943, and in his report Larrabee outlined the history, workings, and geology of the deposit. These data will be repeated in this supplementary report only to the extent that they bear significantly on the more recent developments at the mine.

The property was briefly revisited by Larrabee and L. C. Pray on February 28, 1944, and the maps of mine workings were brought up to date. At the request of the Colonial Mica Corporation, the writer, accompanied by W. J. Alexander and F. R. Shaeffer of Colonial Mica Corporation and A. E. DeCelles of Metals Reserve Corporation, examined the deposit on August 4, 1944. An attempt was made to determine the probable reserves of mica-bearing pegmatite between existing workings, as well as the most promising direction for possible future development. This was a part of the Strategic Minerals Investigations of the Geological Survey, U. S. Department of the Interior, and was done in cooperation with the North Carolina Department of Conservation and Development.

Development

The workings involved in the present investigation consist of five shafts with appended drifts and small stopes. They lie along a gently curving line that trends east-southeast to east-northeast (see map), and are the result of operations by Floyd M. Snow of Franklin during the period August 1943 to April 1944. Older workings, consisting of several caved shafts, drifts, and irregular stopes, are southwest and immediately north of the Snow workings; they are inaccessible at the present time.

No. 1 and No. 2 shafts, 40 to 45 feet deep, were sunk by Snow during August and September, 1943. They are side by side, and were cribbed from collar to bottom to form a two-compartment shaft. According to Larrabee, several drifts were run from

these shafts and considerable quantities of mica were stoped from a pegmatite 3 to 5 feet thick. One drift, No. 2, was extended about 125 feet east-southeast from No. 2 shaft at the 39-foot level (altitude 2175 feet; see section X-X').

No. 3 shaft, 55 feet southeast of Nos. 1 and 2, was sunk to a depth of 70 feet during the period December 1943-February 1944. This shaft is also solidly cribbed and, though partially filled with water, appears to be in good condition. No. 2 drift passes within a few inches of the north corner of the shaft, and was connected with it by a short drill hole. A crosscut-and-drift (No. 3a) was extended south-southeast from the shaft at the 44-foot level (altitude 2185 feet), and encountered old workings on a pegmatite south of the main mass and probably trends northeast to intersect it at a point east of No. 3 shaft. No. 3 drift was driven southeast and east for 80 feet from the shaft at the 65-foot level (altitude 2164 feet); it followed a 3.5- to 6-foot pegmatite the entire distance. A little underhand stoping was done near the face (see section X-X').

No. 4 shaft was collared 112 feet east-northeast of No. 3, and was sunk to a depth of 60 feet during February and March, 1944. It encountered old workings from the surface to about the 40-foot level; from its bottom, below these old workings, a short crosscut was run southward (see map). The shaft, whose chief purpose is said to have been exploratory, was then filled and No. 5 shaft was begun 26 feet to the south. This most recent shaft is 68 feet deep, is cribbed from surface to bottom, and is now partially filled with water. A crosscut was driven north at the 64-foot level (altitude 2179 feet); from the point where it broke through into the crosscut from No. 4 shaft (see map and section Z-Z'), a drift was extended about 35 feet to the east. The bottom of this drift is in hard rock, but the upper parts are in soft, severely weathered material.

The mine is idle at present and the underground workings are not accessible. Although the shafts appear to be in good condition, several of the drifts have caved. No. 5 is said to be in fair condition, but the ground between No. 2 and No. 3 drifts is caved (see section X-X'). The old workings, which are in soft rock, are also caved and inaccessible.

Geology

According to Larrabee, the pegmatite worked from Nos. 1, 2, and 3 shafts appears to be cigar shaped, with a S. 70° E. (variable) strike and a steep southwest dip. The country rock is steeply dipping, thinly foliated biotite gneiss. The pegmatite plunges 30° southeast in the drift and stope northeast of

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No. 2 shaft, but flattens abruptly at the base of the shaft. The top of the pegmatite appears to rise eastward near the heading of No. 2 drift, and the bottom, or "keel", appears to rise in the same direction at the face of No. 3 drift. Thus this pegmatite, which is 5 to 9 feet thick, may be only 15 to 25 feet from top to bottom at any given place between the stope and the face of No. 3 drift. If this interpretation, advanced by Larrabee, is correct, the shallow old workings to the north must be in a separate pegmatite; this pegmatite, however, may be another body in a well defined pegmatite zone that trends east and dips steeply south.

The dike encountered in No. 4 and No. 5 shafts apparently is the eastward extension of the cigar-shaped mass just described, but is much thicker and more continuous. It dips 50° to 60° south, and has been largely mined out to about the 53-foot level (altitude 2188 feet) in the vicinity of the shafts, as shown in sections X-X' and Z-Z'.

The crosscuts from the two shafts were holed through near the footwall, and No. 5 drift must lie near or along the footwall. Both shafts are reported to have encountered the gneiss beneath the dike.

The pegmatite is an aggregate of quartz and partially to wholly kaolinized plagioclase, with abundant muscovite and minor biotite, garnet, and apatite. No well-defined and continous quartz core appears to be present in the workings described above, although a 2-foot central rib was encountered locally in No. 2 drift.

Mica

The muscovite mica is both green and ruby. Color zoning is present in some blocks. Although many of the blocks are 10 by 12 inches or more on their cleavage faces, they generally are so severely ruled and broken that their yield of larger-size trimmed sheets is small. Some of the mechanical defects have been attributed to small-scale faulting. Black staining and intergrowths with biotite are rather common, and much biotite was encountered in the No. 5 workings.

The mica is rather evenly distributed through the pegmatite, although marked wall-zone concentrations do occur, especially where the dike is thick. It generally has been feasible to handle the full width of pegmatite in the workings from No. 3 shaft.

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Conclusions and recommendations

It is evident that the operator's policy has involved the sinking of a shaft to a point at or near the top of hard rock, drifting along the pegmatite, stoping upward in mica-rich zones to the top of the dike or to points where old workings were encountered, and then an eastward move to sink another shaft and repeat the process. This has resulted in the production of considerable amounts of mica by soft-ground methods of mining, as well as the accumulation of much information concerning the subsurface distribution of pegmatite and mica. On the other hand, it also has involved much timbering and difficulty with caving ground, as well as operations of restricted vertical extent (see section X-X').

Mr. Snow proposes to drift eastward from No. 5 shaft and to mine out the ground between this shaft and the ends of No. 2 and No. 3 drifts. Although good mica was obtained from these two drifts, the soft ground between them is now caved; thus the workable rock is in a thin block less than 35 feet long and 15 feet in vertical extent. The presence of old workings not far above would necessitate the leaving of a solid rib above any new workings, and past experiences suggest that the soft material in this rib would soon sag and cave.

It is also proposed that No. 5 dirft be extended about 45 feet and the mica-bearing rock above it stoped out. Mica valued at $2,600 is said to have been removed from the present drift, and it seems likely that additional mica would be encountered during the proposed work. On the other hand, the presence of old workings only a few feet overhead would eliminate the possibility of the stoping that might well be necessary to make the operation profitable. Here again, therefore, the available reserves of mica-bearing pegmatite must be small.

Future operations at the Baird mine should be designed to eliminate insofar as possible any further contact with old workings and soft ground. There should be no further reluctance to mine in hard rock. Drifts should be at sufficiently low levels to provide adequate stoping ground overhead, and little timbering should be necessary. No. 5 shaft might well be deepened 20 to 40 feet and the pegmatite reached by a crosscut to the south. Unless the pegmatite is bottomed at rather shallow depth, there should be much mica-bearing ground east of the shaft, where the old workings are reported to be shallower and the flow of ground water less heavy.

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[illegible]

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/14	Houk	600
5/16	[illegible]	130
5/16	Lamb	130
5/16	Kilsgaard	130
"	Johnson	110
"	Mittendorf	100
		220

600

MAY 16 1958

Mr. Sam L. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4987-Mica
Sam L. Phillips
"Snow Prospect"
Macon County, North Carolina

Dear Mr. Phillips:

Your application for assistance in exploring the subject property has been reviewed by the Division of Nonmetallic Minerals of the Defense Minerals Exploration Administration and has been referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville 2, Tennessee, for further consideration and possibly a field examination.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

LGHouk:rsi 5/13/58
Copy to: Admr. R. File
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/14	Houk	600
5/16	GLB	130
"	Johnson	110
"	Restricted	100
5/19	C	220
		600

600

MAY 18 1958

Mr. Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4937-Mica
Sam L. Phillips
"Snow Prospect"
Macon County, North Carolina

Dear Mr. Laurence:

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

Copies of memoranda dated April 24 and May 12, 1958, by Mr. T. H. Kiilsgaard, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed. There is also enclosed a copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GLB)

Approved:

Frank D. Lamb (GLB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GLB)
Member, Geological Survey

Enclosures 5

LGHouk:gad 5/14/58
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

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

May 12, 1958

DMEA

5/14/58	KVB	220
		600

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA- 4987 (mica)

Applicant: Sam L. Phillips

Name and Location of Property: Snow Prospect,
Macon County, North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: April 22, 1958

Comments:

1. There has been a limited amount of work at this prospect in the past, but no records are available.

2. Applicant states that strategic mica is visible in a pegmatite vein.

3. Exploration proposed by applicant is consistent with local practices and in line with unit-cost estimates for other DMEA projects.

Recommendation:

It is recommended that the field team visit this mine when in that vicinity to ascertain if an exploration project is justified. If so, the field team and applicant should agree on a definite plan of exploration on a unit-cost basis.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

DMEA
4/25 c 220 600

Memorandum

April 24, 1958

To: L. G. Houk, Defense Minerals Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, Mr. Sam Phillips, DMEA Docket 4987, (mica), The Snow Prospect, Macon County, North Carolina.

The applicant has obtained control of the Snow prospect, which is located a short distance northwest of Franklin in North Carolina. A pegmatite is reported to crop out on this property. The pegmatite appears to have been previously worked, although there are no records of past production.

To explore this pegmatite, the applicant proposes to bulldoze an access road and a shaft site. He then plans to sink a 95-foot shaft and to drift 120 feet on the pegmatite. Estimated cost of this project is $9,700. We have no information in our files on the Snow prospect. I therefore recommend that this application be sent to the field for a field examination.

T. H. Kiilsgaard

T. H. Kiilsgaard

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

April 22, 1958

Mr. Sam L. Phillips
Spruce Pine, North Carolina

Subject: DMEA-4987

Dear Mr. Phillips:

Your application for exploration assistance, dated April 15, 1958 submitted to our office at Knoxville, Tennessee has been assigned Docket Number DMEA-4987 and referred to the Nonmetallic Minerals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

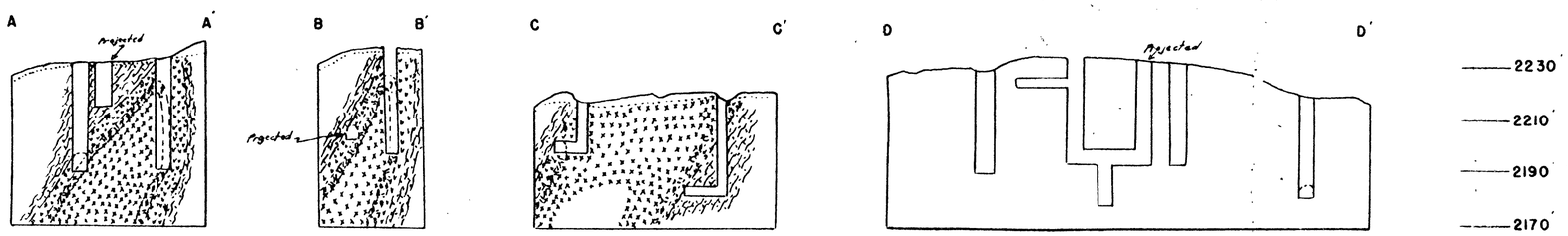
Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to: V.

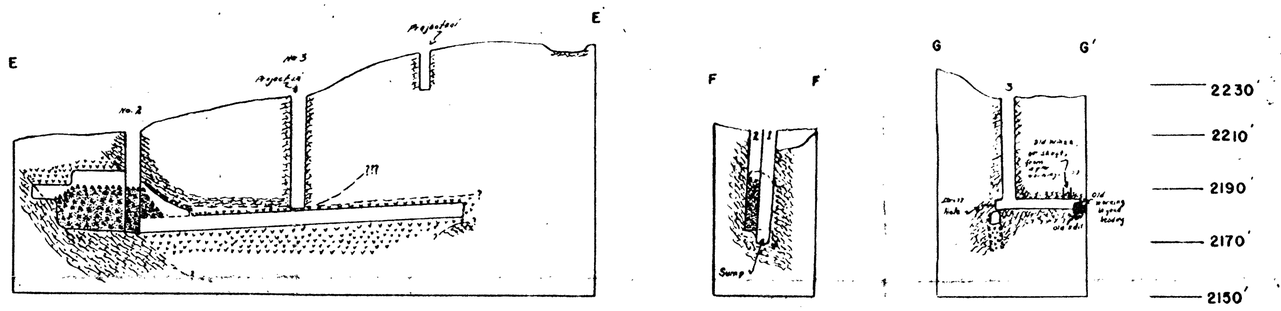
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

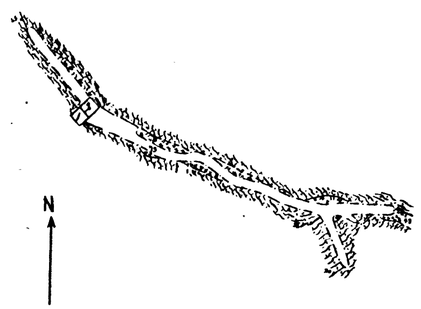


SECTIONS THROUGH REPORTED WORKINGS

FROM DESCRIPTIONS BY F. WILLIS, SUPT.



SECTIONS THROUGH [redacted] WORKINGS



PLAN OF [redacted] WORKINGS

FROM SHAFTS 1 & 2 AND 3

EXPLANATION

- Sheet mica zone
- Quartz
- Barren pegmatite
- Biotite gneiss
- Backfill
- Geologic boundary, inferred

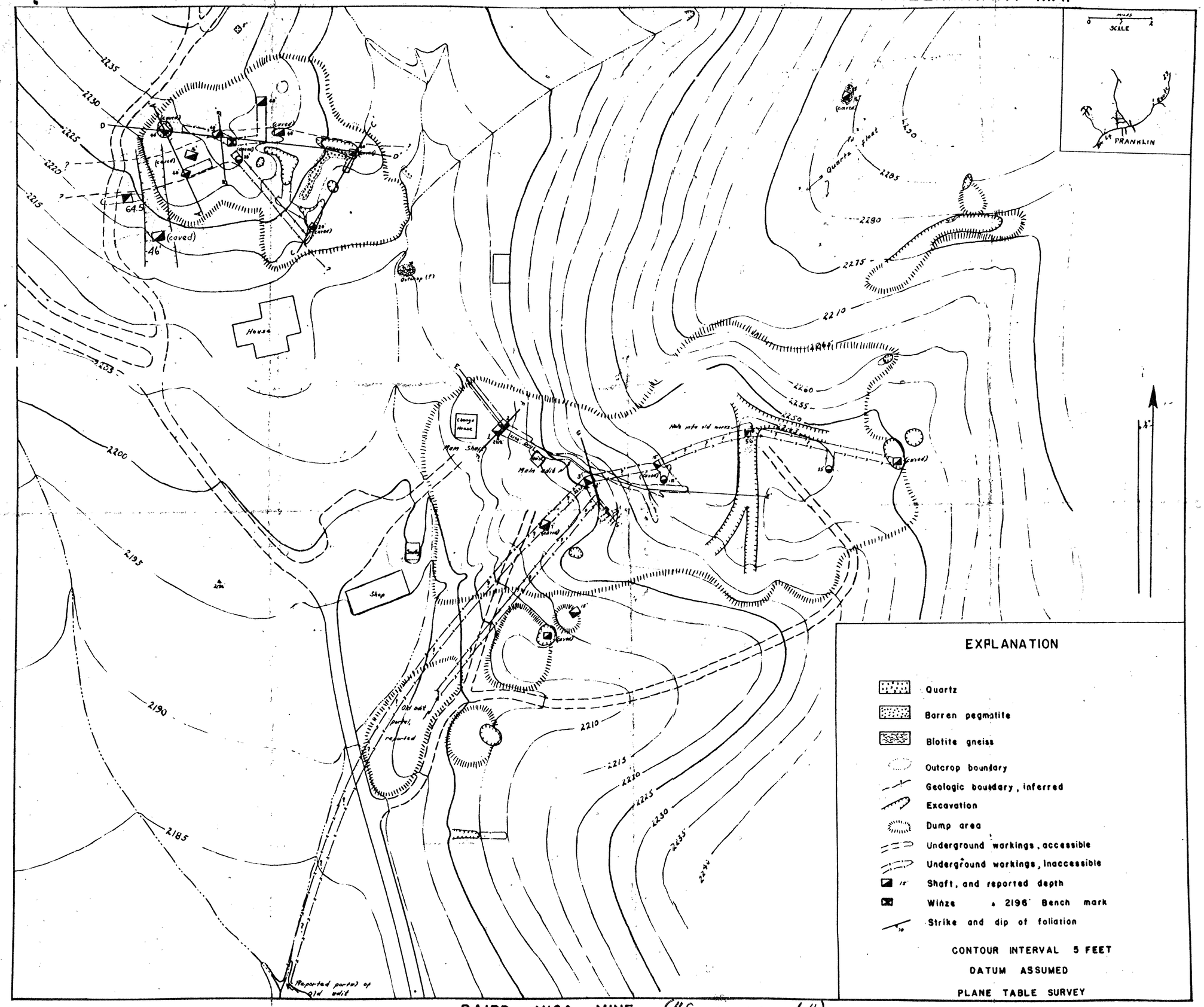
N

BAIRD MICA MINE ("Snow prospect")
MACON COUNTY, N.C.

DMEA 4987

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STRATEGIC MINERAL INVESTIGATIONS
PRELIMINARY MAP



Prepared in cooperation with the North Carolina Department of Conservation and Development

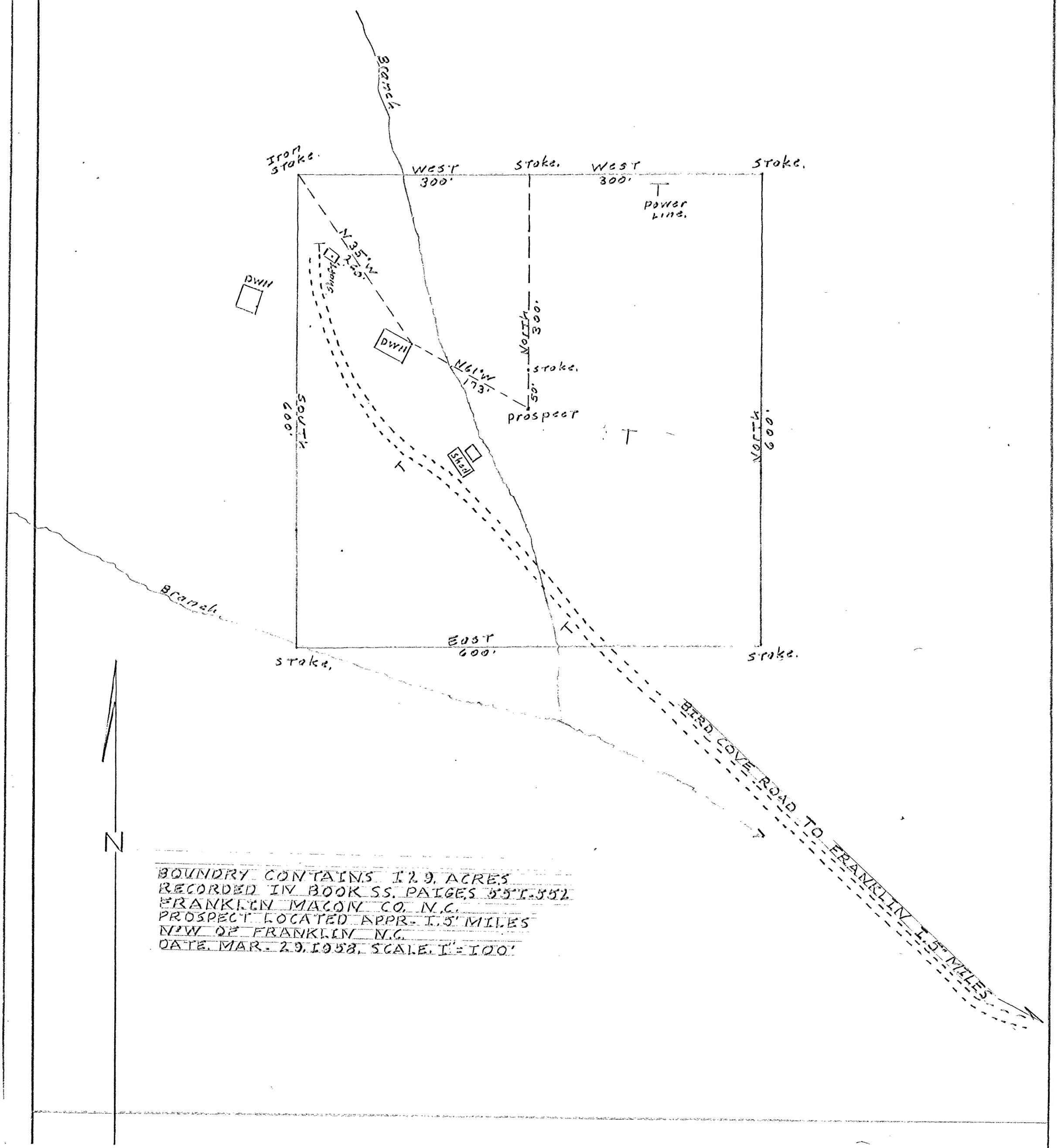
BAIRD MICA MINE
MACON COUNTY, N.C.

("Snow prospect")

DMEA 4987

Scale

Geology and topography by D.M.Larrabee and M.R.Klepper
Dec. 24, 1943
Caved works located by Fred Willis



BOUNDRY CONTAINS 12.9 ACRES
RECORDED IN BOOK 55. PAIGES 551-552
FRANKLIN MACON CO. N.C.
PROSPECT LOCATED APPR. 1.5' MILES
NW OF FRANKLIN N.C.
DATE. MAR. 29. 1958. SCALE. 1" = 100'