DMA Form 1.

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 2709

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This document has been recorded as

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.

One copy to USGS: USBM. & REGION VII.

Routing Slip

To:	Nonmetallics Minls.Div. Code 600, Room 4637	Date	9/23/52
To:	Fritler	Date	9/23/52
To:	Open Corr	Date	11-7-52
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CONTROLLED DOCUMENT

FILE COPY
SURNAME:

Feitler
Houk

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

NOV 10 1952

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

Subject: Docket No. DMEA-2709 - Mica
H. R. McKinney Property
(Extension of the J. K. Buchanan Mine)
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject application for exploration assistance at the H. R. McKinney Property, Spruce Pine District, Mitchell County, North Carolina.

Attached hereto are two memoranda from the Geological Survey and one from the Bureau of Mines referring to the subject property. (Extension of the J. K. Buchanan Mine.)

Please submit a review and recommendation on this application. You may find it advisable to talk to the applicant or examine the property as the application itself contains little information about the geology or location of the proposed shaft.

If exploration is recommended, the usual information should be included in the report and the quality of the mica should be verified.

Sincerely yours,

F.N. 11-10-52

(signed) FRANK E. JOHNSON
(GHB)
Chairman, Operating Committee

Approved:

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

A. R. Kinkel, Jr. (GHB)
Member, Geological Survey

Enclosures 3

SAFeitler:gad 11/6/52
Copy to: Adm. R. File
Docket File
Operating Committee (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 30 1952
Mr. Feitler

October 29, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2709, Mica, Jake Buchannan Mine, Mitchell County, North Carolina

No data are available in this office on subject property. It is located in a general area in which ruby mica is known to be the characteristic variety. On the basis of the applicant's description of present exposures, a field team investigation is recommended.

W. F. Dietrich

W. F. Dietrich

FILE COPY
SURNAME:

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

JAN 5 1953

Feitler
Houk
Hedges
Kinkel
Johnson

Messrs. W. A. Greene
T. J. Greene and H. R. McKinney
Clarissa, North Carolina

Subject: Docket No. DMEA-2709 - Mica
H. R. McKinney Property
(Extension of the J. K. Buchanan Mine)
Mitchell County, North Carolina

Gentlemen:

Your application for exploration assistance at the H. R. McKinney prospect in Mitchell County, North Carolina, has been reviewed by the Defense Minerals Exploration Administration.

The use of Government funds in an exploration project is considered justified only if evidence is available to show that the project has a reasonably good chance of resulting in the discovery or development of strategic minerals in sufficient quantity to significantly improve the mineral supply for National Defense.

The evidence that you have submitted, and other available information, does not show that the probability of making a significant discovery of strategic mica is sufficiently encouraging to justify Government participation in the proposed work; therefore, your application for assistance is denied.

Your interest in the Defense Minerals Exploration Administration's program to aid the mineral supply for National Defense is appreciated.

Sincerely yours,

C. O. Mittendorf (for)

J. C. 1/5/53

Administrator

SAFeitler:gad 12/31/52
Copy to: Admr. R. File
Docket File
Operating Committee (2)
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

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

December 31, 1952

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Resume - Docket No. DMEA-2709 - Mica
W. A. Greene et al
Clarissa, N. C.
H. R. McKinney Property
(Extension of the J. K. Buchanan Mine)
Mitchell County, North Carolina

Recommendation: Denial

Conclusion: The ore shoot on the Buchanan property was mined out where last worked during World War II. The results of one diamond drill hole failed to find its extention on the McKinney property. The probability of making a significant discovery is slight.

Samples of mica from the adjacent J. H. Buchanan Mine are classed as non-ruby.

Chronology:

9/22/52	Application received. Requests $5,000 - no program outlined.
9/26/52	Letter to applicant requesting additional information - referred to USBM in Asheville for assistance.
9/29/52	USGS memo - obtain completed application.
10/3/52	Received letter from applicant with copy of lease and cost estimate of $60 per foot for a 100 ft. shaft.
10/24/52	USGS memo - Based on W.W. II reports, prospects are poor. Discuss with applicant and Field Team.
10/29/52	USBM - Memo recommends field examination.
11/10/52	Letter to Region VII requesting field examination.
11/10/52	Letter to applicant re: field referral.
11/28/52	Received field report recommending denial. Possibilities poor on the basis of W.W. II work.
12/5/52	USGS memo - concurs with Field Team's recommendation.
12/30/52	USBM memo received - concurs with Field Team's recommendation.
12/30/52	Denial letter written.

Stanley A. Feitler
Nonmetallic Minerals Division

FILE COPY
SURNAME:

S. Feitler
Houk

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

December 31, 1952

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Resume - Docket No. DMEA-2709 - Mica
W. A. Greene et al
Clarissa, N. C.
H. R. McKinney Property
(Extension of the J. K. Buchanan Mine)
Mitchell County, North Carolina

Recommendation: Denial

Conclusion: The ore shoot on the Buchanan property was mined out where last worked during World War II. The results of one diamond drill hole failed to find its extention on the McKinney property. The probability of making a significant discovery is slight.

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12/30/52	USBM memo received - concurs with Field Team's recommendation.
12/30/52	Denial letter written.

SAFeitler:gad 12/31/52
Copy to: Admr. R. File
Docket File
Mr. Houk

Stanley A. Feitler
Nonmetallic Minerals Division

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 24 1952

December 23, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2709, H. R. McKinney Property,
Mitchell County, North Carolina

I concur in the field team's recommendation to deny subject application on basis that sufficient strategic mica is not likely to be found at this mine.

Brooke L. Gunsallus

Brooke L. Gunsallus

Rec 12/30/52
SAF

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 24 1952

December 23, 1952

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Acting Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-2709, H. R. McKinney Property,
Mitchell County, North Carolina

I concur in the field team's recommendation to deny subject application on basis that sufficient strategic mica is not likely to be found at this mine.

Brooks L. Gunsallus

IN REPLY REFER TO:
G-MD-GNM

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

Mr. Fiedler

December 5, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 2709 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: J. J. Norton, U.S. Geological Survey
Applicant: W. A. Greene, T. J. Greene, and H. R. McKinney
Name of property: H. R. McKinney
Location of property: 0.9 miles south of Clarissa, Mitchell County, North Carolina
Date of field team report: November 20, 1952
Authorship of field team report: K. H. Teague and L. E. Shirley
Field team's recommendation: Denial

ACTION SUGGESTED:
Follow field team's recommendation.

J. J. Norton

IN REPLY REFER TO:
G-ML-GM

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

December 5, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 8 1952

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA 2709 (Mica)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: J. J. Norton, U.S. Geological Survey
Applicant: W. A. Greene, T. J. Greene, and H. F. McKinney
Name of property: H. H. McKinney
Location of property: 0.9 miles south of Clarissa, Mitchell County, North Carolina
Date of field team report: November 20, 1952
Authorship of field team report: K. H. Teague and L. F. Shirley
Field team's recommendation: Denial

ACTION SUGGESTED:

Follow field team's recommendation.

J. J. Norton

JJN:lmc
G-12/5/52
cc: Directors Reading, 4212
Branch Reading, 4212
DMEA
Norton

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

Room 13, Post Office Building
Knoxville, Tennessee

November 26, 1952

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team - D M E A - Region VII

Subject: Field Team Examination Report on DMEA-2709 (mica)
H. R. McKinney Property, Clarissa, N. C.

Attached herewith are four copies of the above subject field examination. The field team concurs in the denial of this application.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA-Reg. 7

Wm A. Beck zm
Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

Orig. only - Nonmetallic Minerals
12-1-52

Reviewed by
DMEA OPERATING COMMITTEE
12-3-52
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2709 (mica)

K. R. McKINNEY PROPERTY

Applicants: W. A. Greene, T. J. Greene, and
H. R. McKinney, Clarissa, N. C.

By

Kefton H. Teague, Geologist
U. S. Geological Survey

-

-

Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

November 26, 1952

12-3-52
(date)

Field Examination Report
on
H. R. McKinney Property, DMEA-2709
(Mica)
Applicants: W. A. Greene, T.J.Greene, and
H. R. McKinney, Clarissa, N. C.

The possibility of discovering a significant deposit of strategic mica on this property is poor. Results from one diamond drill hole by the U.S. Bureau of Mines (R.I. 4241, April 1948) does not show promise. Furthermore, samples collected from the adjacent J. H. Buchanan mine and appraised by the Spruce Pine Mica Depot were of non-ruby color. The loan request should be denied.

This property was examined on November 20, 1952. All three of the applicants accompanied the Field Team on the examination which required three hours.

The H. R. McKinney mine is located 0.9 miles south of Clarissa and 3.7 miles southeast of Bakerville, Mitchell County, North Carolina. Access to the property is good.

There are no facilities on the property. The openings made from the adjacent Buchanan Mine are caved and flooded. No pegmatite is exposed or has been mined from the McKinney property. The drill hole which was drilled on the McKinney, was drilled to intersect the down plung extension of the mica shoot worked on the Buchanan property. Two pegmatite stringers 1.3 feet and 1.9 feet thick separated by 7.2 feet of mica gneiss were cut. Neither of these stringers contained enough mica to warrent exploration. The Field Team recommends that the application be denied.

K. H. Teague, USGS

November 20, 1952

L. E. Shirley, USBM

zm

Room 13, Post Office Building
Knoxville, Tennessee

COPY

November 26, 1952

Memorandum

To: Operating Committee, D M E A - Washington

From: Field Team - D M E A - Region VII

Subject: Field Team Examination Report on DMEA-2709 (mica)
H. R. McKinney Property, Clarissa, N. C.

Attached herewith are four copies of the above subject field examination. The field team concurs in the denial of this application.

/s/ Robert A. Laurence
Executive Officer, DMEA-Reg. 7

/s/ Wm. A. Beck, for V. J. Lynch
U. S. Bureau of Mines

One copy only
rec'd. 12-4-52
Nonmetallics

Reviewed by
DMEA OPERATING COMMITTEE

12-3-52
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

DMEA-2709 (mica)

K. R. McKINNEY PROPERTY

Applicants: W. A. Greene, T. J. Greene, and
H. R. McKinney, Clarissa, N. C.

By

Kefton H. Teague, Geologist
U. S. Geological Survey

-

-

Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines

November 26, 1952

Reviewed by
DMEA OPERATING COMMITTEE
12-3-52
(date)

Field Examination Report
on
H. R. McKinney Property, IMEA-2709
(Mica)
Applicants: W. A. Greene, T.J.Greene, and
H. R. McKinney, Clarissa, N. C.

The possibility of discovering a significant deposit of strategic mica on this property is poor. Results from one diamond drill hole by the U.S. Bureau of Mines (R.I. 4241, April 1948) does not show promise. Furthermore, samples collected from the adjacent J. H. Buchanan mine and appraised by the Spruce Pine Mica Depot were of non-ruby color. The loan request should be denied.

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K. H. Teague, USGS

November 20, 1952

L. E. Shirley, USBM

sm

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

Subject: Docket No. DMEA-2709 - Mica
E. R. McKinney Property
(Extension of the J. K. Buchanan Mine)
Mitchell County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject application for exploration assistance at the E. R. McKinney Property, Spruce Pine District, Mitchell County, North Carolina.

Attached hereto are two memoranda from the Geological Survey and one from the Bureau of Mines referring to the subject property. (Extension of the J. K. Buchanan Mine.)

Please submit a review and recommendation on this application. You may find it advisable to talk to the applicant or examine the property as the application itself contains little information about the geology or location of the proposed shaft.

If exploration is recommended, the usual information should be included in the report and the quality of the mica should be verified.

Sincerely yours,

Approved:

Chairman, Operating Committee

Member, Bureau of Mines

Member, Geological Survey

Enclosures 3

SAFeitler:gad 11/6/52
Copy to: Adm. R. File
Docket File
Operating Committee (2)
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

FILE COPY
SURNAME:

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

SAFeitler
Houk
F.E. Johnson

NOV 10 1952

Messrs. W. A. Greene
T. J. Greene and H. R. McKinney
Clarissa, North Carolina

Subject: Docket No. DMEA-2709 - Mica
H. R. McKinney Property
(Extension of the J.K. Buchanan Mine)
Mitchell County, North Carolina

Gentlemen:

Your application is being referred to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region VII, Room 13, Post Office Building, Knoxville 2, Tennessee, for further information.

Sincerely yours,

C. O. Mittendorf (for) S.H. 11-10-52

Administrator

SAFeitler:gad 11/6/52

Copy to: Adm. R. File
Docket File
Operating Committee (2)
Field Team, Region VII
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:

G-MD-CNM

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 27 1952

October 24, 1952

Memorandum

REVIEW OF APPLICATION DMEA 2709 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: W. A. Greene, T. J. Greene, and H. R. McKinney, Clarissa, North Carolina.
Name of property: H. R. McKinney property (extension of J. K. Buchanan mine).
Location of property: 3.1 miles S. 70° E. of Bakersville; 1 mile S. by road from Clarissa, Spruce Pine district, North Carolina.
Estimated cost of project: $5,000
Summary of applicant's proposal: Sink a shaft from McKinney side (of J. K. Buchanan mine). Shaft is to be 100 feet deep, if needed, and 8 x 8 feet.
Sources of information on applicant's property:
Information about the McKinney property is contained in the following two Geological Survey unpublished reports:
Pray, L. C., Memorandum report on the J. K. Buchanan mica mine, Mitchell County, North Carolina, 2 pages, June 1944.
Wolfe, J. R., Jr., Memorandum report on the J. K. Buchanan mica mine, Mitchell County, North Carolina, 5 pages, September 1944, with map.

Comments:

1. Unless additional work on the McKinney property (after the 1944 examinations) uncovered evidence to the contrary, the probability of making a significant discovery of strategic mica by the proposed exploration seems poor.
2. We have no evidence that mica ever has been found on the McKinney property. The adjacent Buchanan mine is said to have been worked out, but sheet, punch, and scrap mica have been produced from there in 1939-1940 and 1943-1944.
3. The applicant does not indicate where the proposed shaft is to be located on the McKinney property. There is already a 50-foot shaft on the property, next to the Buchanan property line (see attached copy of map). According to Wolfe's report, this shaft "would have to be deepened another 20 feet to intercept the pegmatite mass near the heading of the main incline. The present prospect of producing enough mica here to warrant the

expense of completing this shaft is not considered good."

Wolfe also reports that little mica was obtained from the incline driven southwest from the Buchanan shaft to the McKinney property; the heading of the incline "looked lean" at the property line.

RECOMMENDATION:

Investigate comment 1 above with the applicant and possibly the field team; if the results are unfavorable, deny the application.

R. E. Van Alstine

R. E. Van Alstine

Enclosure

D MEA-2709 Mr Fitter

MINING LEASE

Printed and For Sale by The Tri-County News, Spruce Pine

STATE OF NORTH CAROLINA, Mitchell **COUNTY.**

This indenture made this 19th day of September 1952, between H. R. McKinney and wife Biddie McKinney of Mitchell County and State of North Carolina, as parties of the first part, and known as lessors, and W. A. Greene and T. J. Greene, of Mitchell County and State of North Carolina, of the second part and known as lessees:

WITNESSETH, That the parties of the first part, in consideration of the agreements hereinafter contained, on the part of the part of the second part to be performed, hereby bargains, leases and grants to the parties of the second part, and their heirs and assigns, for the period of Ten yaers from the date of this agreement, the following described real property, for mining purposes, in the County of Mitchell State of North Carolina, to wit:

Being a certain mica mine on the property of W. R. McKinney and known as the J. K. Buchanan mine, the metes and bounds to be such as to include all of said mica mine

The grantor, herein, H. R. McKinney is to have a one third interest in this lease and the operation of this mine along with W. A. Greene and T. J. Greene, that is to say that he will hold a one third interest in this lease and be a partner of the lessees.

To Have and to Hold the said lands to them, for mining purposes, the said W. A. Greene and T. J. Greene their, and their heirs and assigns for the aforesaid period of Ten years upon a full compliance with the conditions of this instrument, for the purpose and with the right to dig, quarry, search for and obtain any kind of minerals, metals or fossils, and particularly Mica and to conduct the same to any extent the said parties of the second part may desire. And it is hereby agreed between the parties to this agreement that the parties of the second part are to have the use of the unoccupied buildings on said lands for mining purposes, or have a right to erect such, if necessary, during the continuance of this lease, and keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by parties of the second part that no unnecessary damage is to be done to the lands herein leased during the continuance of said lease, but the said parties of the second part shall have right to take from said lands of party of the first part any wood or timber to carry on said mining operations or to erect buildings on said lands. (Timber of high or special market value excepted.) And the parties of the second part are to have right-of-way of ingress and egress to said mines. The said parties of the second part hereby agree to pay to the said parties of the first part, or their heirs or assigns, a rental or royalty of One eighth, on Mica taken and sold from said mines for the use of the said lands for the aforesaid period of Ten years only; payable as follows: each time a sale of mica is made

Payable on computation of selling bills on the tenth of each month covering sales during the previous month.

Royalties on all other minerals mined and sold shall be determined on a percentage basis and be governed by the market value.

The Term of this lease shall not be extended except with the option of the lessors; and in case of renewal, this instrument may stand if proper amendments are duly witnessed and attached in writing hereto. 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 assigns thereof. The lessee is not to assign this lease without license of the lessors.

But it is expressly agreed that unless mineral or fossil material of practical value for mining purposes shall be found within One year from the date of this instrument, this lease may be terminated by the lessees at any time thereafter, on 30 days notice to the lessors. The lessee agree that during continuance of this lease work in said mines shall not cease longer than 90 days at any one time, unavoidable accidents excepted.

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

H R McKinney (Seal)

Biddie McKinney (Seal)

(Seal)

(Seal)

Witness: R. P. Greene, CSC

NORTH CAROLINA, _____ COUNTY. _____ TOWNSHIP.

I, _____, do certify that _____

and _____

his wife personally appeared before me this day, and acknowledged the execution of the annexed MINING LEASE and the said _____

_____

being by me privately examined separate and apart from her said husband, touching her voluntary execution of the same; doth state that she signed the same free and voluntarily, without fear or compulsion of her said husband, or of any other person, and that she doth still voluntarily assent thereto.

_____ This _____ day of _____, 19____

_____
Justice of the Peace.

NORTH CAROLINA, Mitchell COUNTY.

The execution of the foregoing instrument was this day acknowledged before me, by H. R. McKinney and wife Biddie McKinney the grantor for the purposes therein expressed. Let the same, with this certificate, be registered. This 19th day of September, 1952

R. P. Gheene
Clerk Superior Court.

NORTH CAROLINA, _____ COUNTY.

The foregoing certificate of _____ of _____ County is adjudged to be correct and sufficient. Let the instrument, with the certificate be registered.

Witness my hand and official seal, this _____ day of _____, 19____

_____
Clerk Superior Court.

Filed for Registration at _____ o'clock _____ M., _____, 19____, and registered in the office of Register of Deeds for _____ County, in _____ Deed Book No. _____ page No. _____

_____, 19____

_____
Register of Deeds.

MINING LEASE

FROM

TO

Lease Book _____ Page _____

FEES:

Probate . . . . . $ _____

Certificate and Seal, J. P. or N. P. . $ _____

Certificate and Seal, Clerk . . . . $ _____

State Tax . . . . . $ _____

Filed for Registration on the 19 day of Sept 19 52 at 11:10 o'clock A. M., and Registered in the office of the Register of Deeds for Mitchell County, N. C. this 25 day of Sept 19 52 at 9:50 o'clock A. M., in Book 96 of Deeds, on Page 579 etc.

John Nelson Jr.
Register of Deeds

DMEA - 2709 Mica
Jake Buchannan Mine
Mitchell County, N. C.

5. (b) The Jake Buchanan Mine has been worked by means of an incline tunnel (about 30° incline) up to the property line of J. K. Buchanan and H. R. McKinney, the Buchanan side being worked out. Our lease covers the H. R. McKinney side of the deposit.

We propose to tap the mica by sinking a shaft from the McKinney side. This shaft is to be 100 feet in depth, if needed (probably less) and 8 x 8 feet in size. We expect the cost to be about $60.00 per ft.

We believe that this shaft will expose good quality Ruby Mica.

6. (b)	one driller and blaster	$1.50/hr.	400 hrs.	$600.00
	one hoistman	1.25/hr.	400 hrs.	500.00
	two muckers	1.00/hr.	800 hrs.	800.00
	one Foreman	1.50/hr.	400 hrs.	600.00
			Total	$2500.00

6. (c)	Hand tools			$ 100.00

6. (d) Owned by applicant:

One jackammer with hose	$40/mo.	3 mos.	$ 120.00
One set blacksmith tools	20/mo.	3 mos.	60.00
			$ 180.00

To be rented:

Compressor	$250/mo.	3 mos.	$ 750.00
Supplies Gas, oil, steel, explosives, etc.			1000.00
Hoist	$25/mo.	3 mos.	75.00
Water Pump	50/mo.	3 mos.	150.00
			$1975.00

(f) One building, shop and storage 10' x 15' $ 300.00

Copies to
U.S.G.S.
U.S.B.M.
10/8/52
SAF.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 3 1952

5. (b) The Jake Buchanan Ruby has been worked by means of an incline tunnel (about 60° incline) up to the property line of J. E. Buchanan and E. E. Holloway, the Buchanan side being worked out. Our lease covers the E. E. Holloway side of the deposit.

We propose to tap the ruby by sinking a shaft from the Holloway side. This shaft is to be 100 feet in depth, if needed (probably less) and 8 x 8 feet in size. We expect the cost to be about $80.00 per ft.

We believe that this shaft will expose good quality Ruby Ruby.

6. (b)	one driller and blaster	$1.50/hr.	400 hrs.	$600.00
	one helper	1.20/hr.	400 hrs.	500.00
	two muckers	1.00/hr.	800 hrs.	800.00
	one foreman	1.50/hr.	400 hrs.	600.00
			Total	$2500.00

6. (c) Hand tools $ 100.00

6. (d) Owned by applicant:

One jackhammer with hose	$40/mo.	3 mos.	$ 120.00
One set blacksmith tools	20/mo.	3 mos.	60.00
			$ 180.00

To be rented:

Compressor	$250/mo.	3 mos.	$ 750.00
Supplies Gas, oil, steel, explosives, etc.			1000.00
Hoist	$25/mo.	3 mos.	75.00
Water Pump	50/mo.	3 mos.	150.00
			$1975.00

(f) One building, shop and storage 10' x 15' $ 300.00

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 3 1952

IN REPLY REFER TO:
G-MD-CNM

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

September 29, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 30 1952

Memorandum

REVIEW OF APPLICATION DMEA-2709 (mica)

To: L. G. Houk, Defense Minerals Exploration Administration
From: R. E. Van Alstine, U. S. Geological Survey
Applicant: W. A. Greene, T. J. Greene, and H. R. McKinney, Clarissa, North Carolina.
Name of property: Not given — "A certain mica mine."
Location of property: On Cane Creek in Cane Creek Township, Mitchell County, North Carolina.
Estimated cost of project: $5,000.
Summary of applicant's proposal: None made.
Sources of information on applicant's property:
Not enough information in application to identify the property.
Comments:
This application cannot be reviewed until the location of the property is properly stated and a specific proposal is made for exploration. We probably have information on the property, which was previously worked, according to the applicant.
RECOMMENDATION:
Request applicant to complete the application form in detail.

R. E. Van Alstine
R. E. Van Alstine

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. dmea 2709
Metal or Mineral
Date Received 9-22-52
Estimated Cost
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: W. A. Greene, T. J. Greene and H. R. McKinney
Clarissa, N.C.

(*b*) If other than 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 A certain Mica mine, located in the County of Mitchell, North Carolina, on the waters of Cane Creek and in Cane Creek Township, on the lands which is owned by H. R. McKinney and Wife Biddie McKinney, of such metes and bounds so as to include the whole mica vein

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise W.A. Greene and T. J. Greene, lessors, H. R. McKinney owner

(*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.

16—66551-1

There is no mining operations on this proerty at present, but in the past there has been considerable mining operations, to a depth of about 130 feet, H. R. McKinney had an interest in the operations, W. A. Greene and T. J. Greene had no interedt in the operation. The mine produced considerable high grade ruby mica. Gash vein between slates.

property is easy accesiable. Man power available

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

(*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 60 days and be completed within 24 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. 30 years, W. A. Greene

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: $5,000.00

(*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.). No indipendant contract will be let

(*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. Hoist, Compressor and drill, pump

(*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. Hoist, Compressor and pump

(*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)? Yes

(*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 September 19th, 1952

(Applicant)

By W. A. Greene

A. L. Greene

H. R. McKinney

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

FILE COPY
SURNAME:

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

SEP 26 1952

Messrs. W. A. Greene
T. J. Greene and H. R. McKinney
Clarissa, North Carolina

Subject: Docket No. DMEA-2709 - Mica
Mine on Creek
Cane Creek Township
Mitchell County, North Carolina

Gentlemen:

Reference is made to the subject application for exploration assistance for mica.

Your application has not been completed with sufficient detail to permit further study. You can obtain assistance in completing your application properly by contacting Mr. Alexander L. Peyton, Mining Engineer, U. S. Bureau of Mines, 180 Cox Avenue, Asheville, North Carolina.

Sincerely yours,

Signed

L.H. 9-26-52

Lawrence G. Houk, Chief
Nonmetallic Minerals Division

SAFeitler:gad 9/26/52

Copy to: Admin. Reading File
Field Team, Region VII
Docket File
Mr. Dietrich, 3526
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

September 23, 1952

Mr. W. A. Greene
Clarissa, North Carolina

Subject: DMEA-2709
Re: Exploration Assistance

My dear Mr. Greene

The receipt of your application dated September 19, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2709 and referred to the Nonmetallic Minerals Division.

Kindly refer to DMEA-2709 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

Robert E. Adams
Chief, Operation Control
and Statistics Division

25451

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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. dmea 2709
Metal or Mineral
Date Received 9-22-52
Estimated Cost
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: W. A. Greene, T. J. Greene and H. R. McKinney
Clarissa, N. C.

(*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.

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(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
W.A. Greene and T. J. Greene, lessors, H. R. McKinney owner

(*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.

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16—66551-1

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[ ] Money [x] Use of equipment owned by you [x] Other

Explain in detail on acompanying paper.

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Dated September 19th, 1952

(Applicant)

By W. A. Greene

W. J. Greene

H. R. McKinney

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.

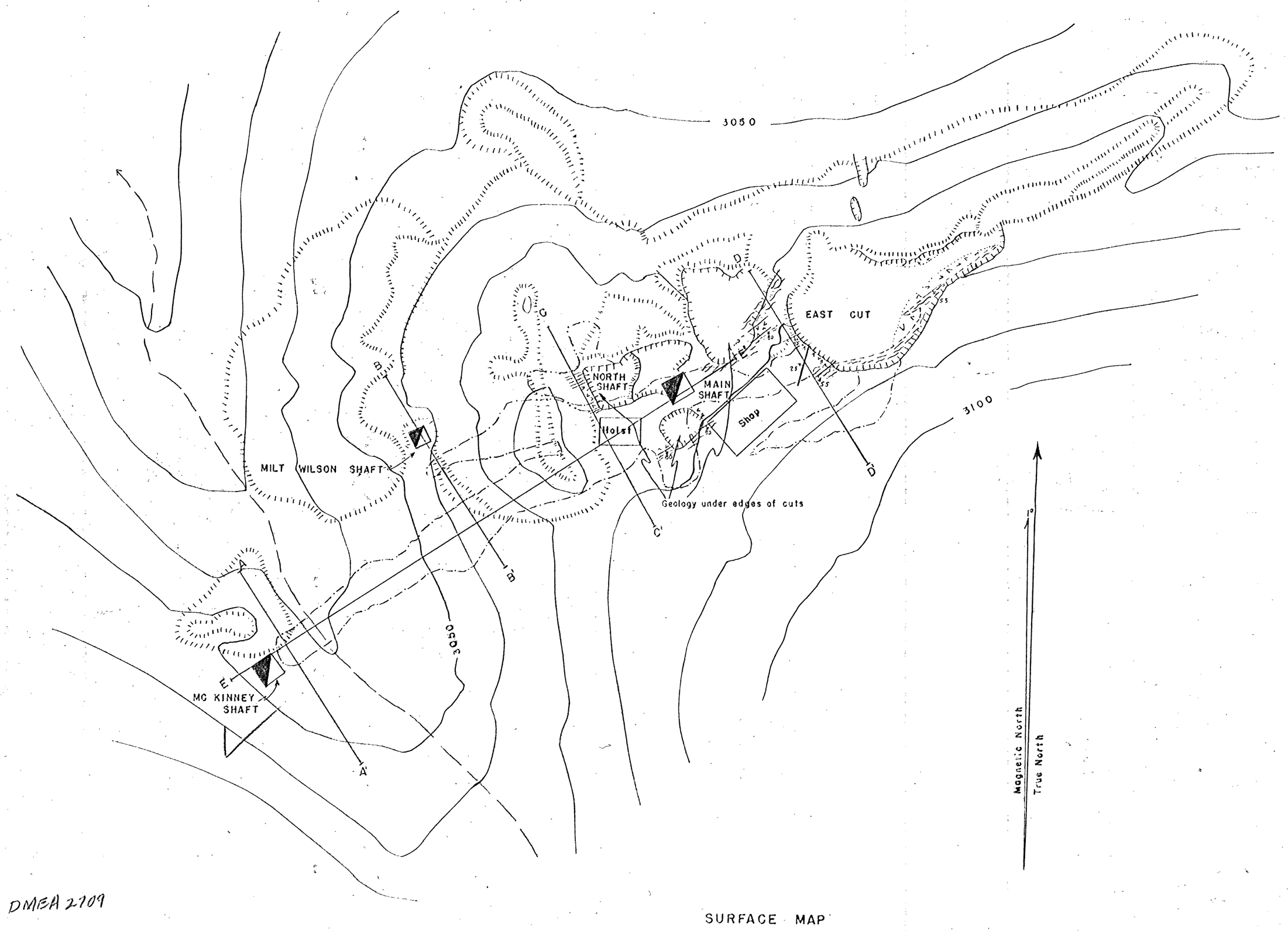
U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

W. A. Greene
~~B. H. Greene~~
~~XXXXXXXXXXXXXXXX~~
~~XXXXXXXXXXXXXXXX~~
MITCHELL COUNTY
~~Bakersville, North Carolina~~
Clarissa, N. C.

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

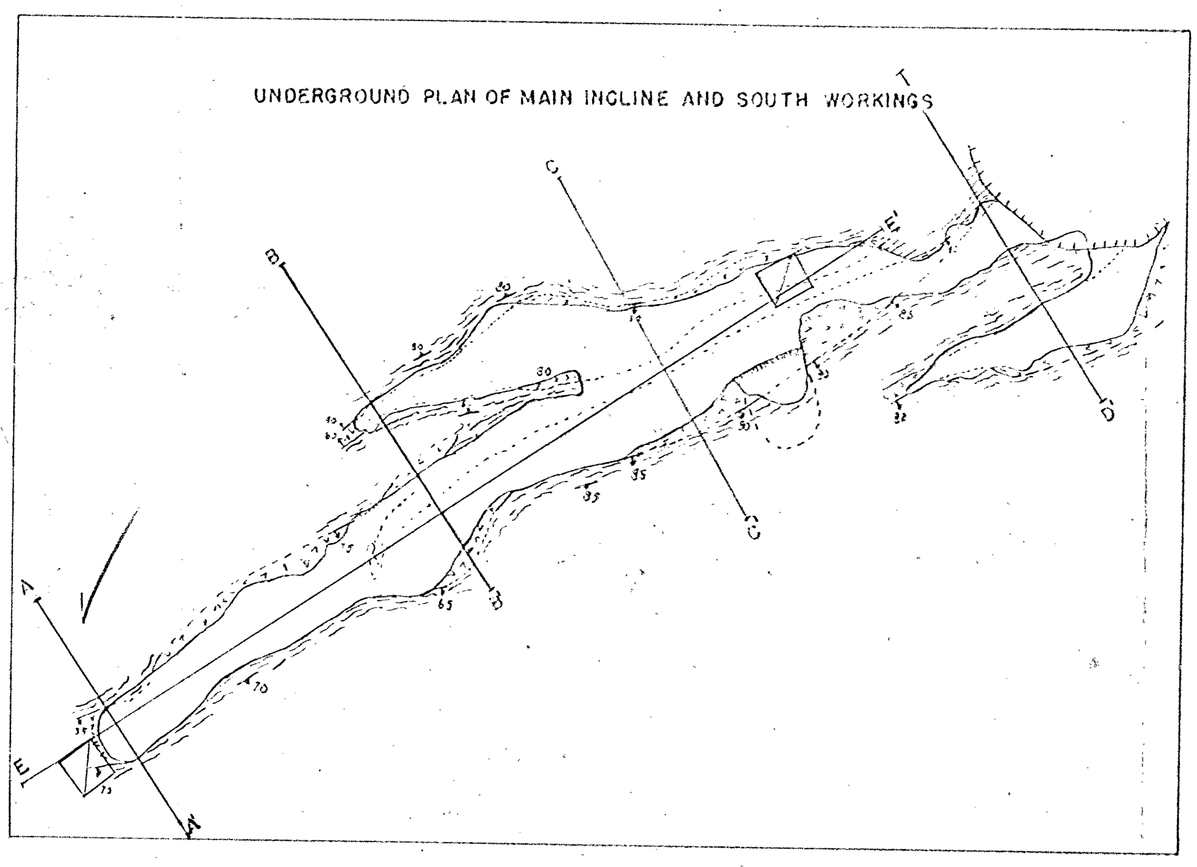
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

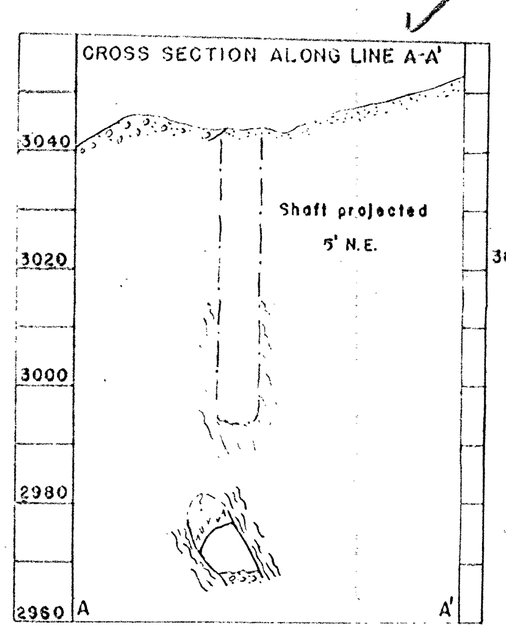
STRATEGIC MINERALS INVESTIGATIONS
PRELIMINARY MAP

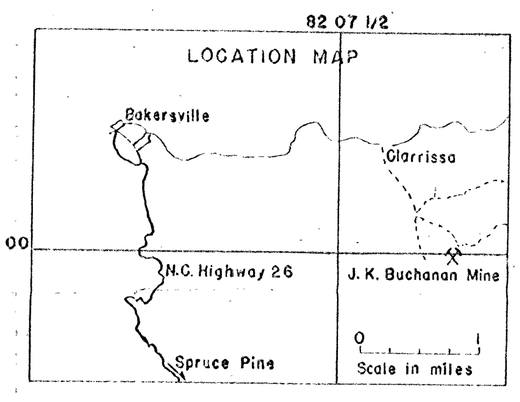


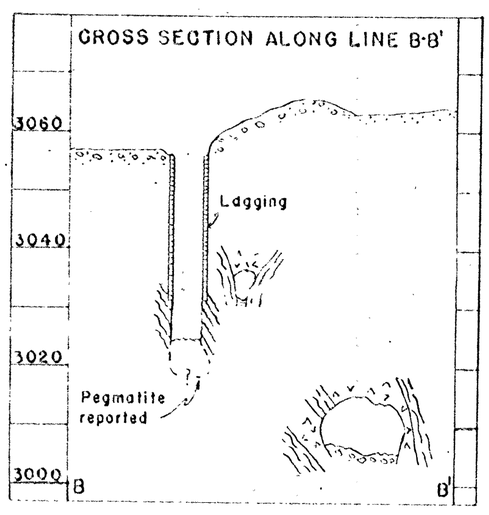
DMEA 2709

SURFACE MAP



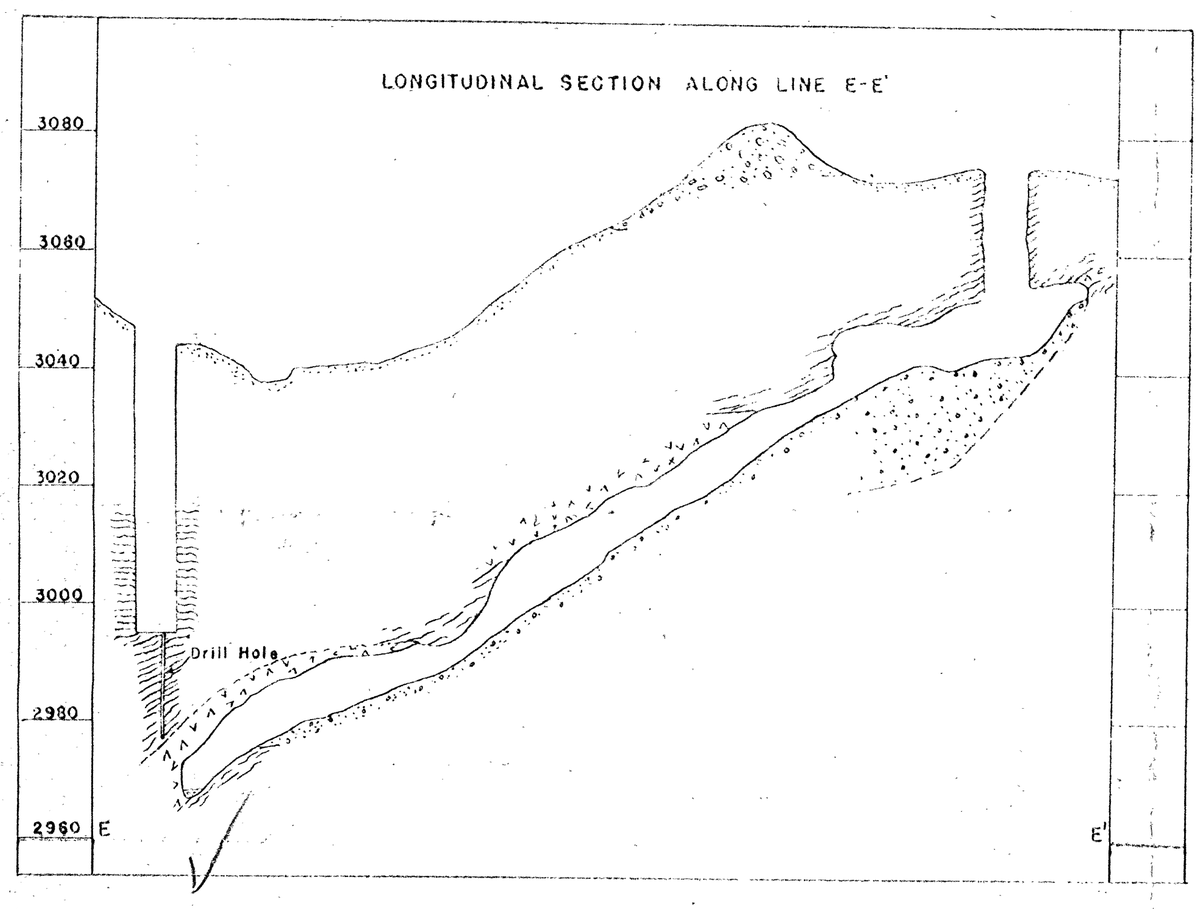


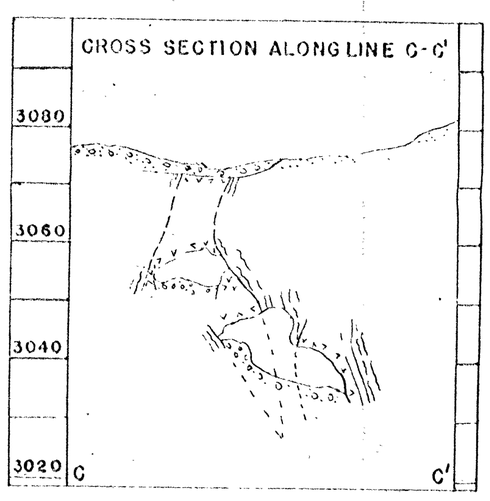




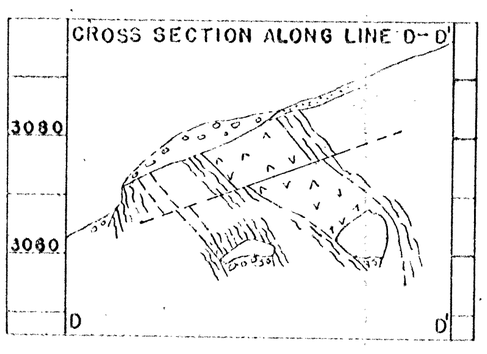
EXPLANATION

- Muck
- Soil
- Plagioclase-quartz-microcline pegmatite
- Scrap mica
- Sheet mica
- Mica gneiss
- Strike and dip of foliation
- Strike and dip of fault
- Fault (in section)
- Contact, location accurate, showing dip
- Contact, location approximate
- Edge of open cut, with depth
- Outline of underground workings:
  - As mapped
  - As reported
  - Projected; main incline and south workings
  - Projected; north workings
- Edge of bench in workings
- Dump
- Shaft
- Limit of exposure





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



Mapped by: J. E. Husted, J. M. Parker, III, L. C. Pray, J. R. Wolfe, Jr.

Mapped: June 5, August 24, September 4-19, 1944

SCALE IN FEET

20 10 0 20 40 60 80 100

Contour interval 10 feet

Datum assumed

J. K. BUCHANAN MINE, MITCHELL COUNTY, NORTH CAROLINA

Open filed 1/10/45