UNITED STATES
DEPARTMENT OF THE INTERIO
DEFENSE MINERALS EXPLORATION ADMINISTRATIO
WASHINGTON 25, D.C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

Mr. Sam L. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4168 (Mica)
Littles Mining Company
Littles Prospects 1 and 2
Ashe County, North Carolina

Dear Mr. Phillips:

We have been notified by the Washington office that you have requested withdrawal of the subject application, and return of the application and lease.

On July 31, we sent you, for revision, the lease and Consent to Lien, and as these were never returned, I assume that you still have them. Another copy of the lease, which was submitted with the application, is enclosed herewith.

The application must be retained as part of the official record and cannot be returned.

Sincerely yours,

Robert A. Laurence
Executive Officer
DMEA Field Team, Region V

RAL/mg
Enclosure
cc
Operating Committee (2)
Lynch
Shirley
File

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

600

DOCKET COPY
Surname:

Houk Selfridge

OCT - 2 1956

Mr. Sam L. Phillips

Spruce Pine, North Carolina

Re: Docket No. DMEA-4168-mica
Littles Mining Company
Sam L. Phillips, et al.
Littles Prospects #1 and #2
Ashe County, North Carolina

Dear Mr. Phillips:

Reference is made to your letter of September 25, 1956, requesting the withdrawal of your application on the Littles Prospects #1 and #2 in Ashe County, North Carolina, and requesting the return of the lease and the application.

Your lease which accompanied the application for exploration assistance was forwarded to Mr. Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, Room 13, Post Office Building, Knoxville, 2, Tennessee, on July 2, 1956, for correction. We have written to Mr. Laurence to return the lease to you; however, the application must be retained in this office as part of the official record.

Sincerely yours,

C. O. Mittendorf

Administrator

LGHouk:ms 10/2/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.H.

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

Memorandum:

To: Mr. Allen S. Dakan, Chief
Operations Control and Statistics Division

From: Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Subject: Withdrawal of application - Docket No. DMEA-4168-mica
Littles Mining Company
Sam L. Phillips, et al.
Littles Prospects #1 and #2
Ashe County, North Carolina

In compliance with a request by the applicant dated September 25, 1956, the subject application is being withdrawn and placed in our inactive files.

James Hopkins

DOCKET COPY
Surname:

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

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To: Mr. Allen S. Dakan, Chief
Operations Control and Statistics Division

From: Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Subject: Withdrawal of application - Docket No. DMEA-4168-mica
Littles Mining Company
Sam L. Phillips, et al.
Littles Prospects #1 and #2
Ashe County, North Carolina

In compliance with a request by the applicant dated September 25, 1956, the subject application is being withdrawn and placed in our inactive files.

James Hopkins

JHopkins:ms 9/28/56
Copy to: Docket
Mr. Houk
Admr. R. File

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

DOCKET COPY
Surname:
Houk
Selfridge
Mitchenson

OCT - 1 1956

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

Re: Docket No. DMEA-4168-mica
Littles Mining Company
Sam L. Phillips, et al.
Littles Prospects #1 and #2
Ashe County, North Carolina

Dear Mr. Laurence:

Reference is made to the subject application for exploration assistance and to the enclosed copies of a letter from the applicant requesting withdrawal of the application and return of the lease and the application.

The lease and the Consent to Lien forms were forwarded to your office on July 2, 1956, and may be returned to the applicant. Please explain to Mr. Sam Phillips that the application is being retained as part of the official record.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

Enclosures: 2

LGHouk:ms 10/1/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

G.C.S.

RECEIVED
SEP 28 1956

Spruce Pine, North Carolina
September 25, 1956

Mr. Lawrence G. Houk, Chief
Nonmetallic Minerals Division
U.S. Dept. of the Interior, D.M.E.A.
Washington 25, D.C.

Dear Mr. Houk:

Re: DMEA-4168 (mica) Little Prospects,
Ashe County, North Carolina

We wish to withdraw our application for assistance on the above project, and we will appreciate it if you will return the lease and application to us.

Very truly yours,

Sam L. Phillips

Sam L. Phillips

P/j

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

RECEIVED
JUL 6 - 1956

July 5, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4168 (mica)

Applicant: Littles Mining Co. (S. L. Phillips)

Name and Location of Property: Littles Mine, Asche County, N. C.

Date of Field Team Report: 5/19/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 6/27/56

Field Team Recommendation: Recommend a 2-stage unit-cost exploration program at the Littles Mine #1 and no work at Littles #2 at the present time.

Comments:

1. The pegmatite at Littles #1 has a strike length of 300 feet and minimum thickness of 45 feet.

2. In one 20 foot zone strategic mica occupied 10-15 percent of the volume.

3. This deposit appears to have possibilities for the development of strategic mica.

4. Total estimated costs are in the amount of $11,325.00.

Recommendation: I concur with the recommendation by the field team.

W. F. Dietrich

W. F. Dietrich

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

RECEIVED
JUL 6 - 1956

July 5, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4168 (mica)

Applicant: Littles Mining Co. (S. L. Phillips)

Name and Location of Property: Littles Mine, Ashe County, N. C.

Date of Field Team Report: 5/19/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 6/27/56

Field Team Recommendation: Recommend a 2-stage unit-cost exploration program at the Littles Mine #1 and no work at Littles #2 at the present time.

Comments:

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4. Total estimated costs are in the amount of $11,325.00.

Recommendation: I concur with the recommendation by the field team.

Signed
W. F. Dietrich

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

RECEIVED
JUL 6 - 1956

July 5, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: W. F. Dietrich, Chief
Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4168 (mica)

Applicant: Littles Mining Co. (S. L. Phillips)

Name and Location of Property: Littles Mine, Ashe County, N. C.

Date of Field Team Report: 5/19/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 6/27/56

Field Team Recommendation: Recommend a 2-stage unit-cost exploration program at the Littles Mine #1 and no work at Littles #2 at the present time.

Comments:

1. The pegmatite at Littles #1 has a strike length of 300 feet and minimum thickness of 45 feet.

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3. This deposit appears to have possibilities for the development of strategic mica.

4. Total estimated costs are in the amount of $11,325.00.

Recommendation: I concur with the recommendation by the field team.

Signed
W. F. Dietrich

DOCKET COPY
Surname:

Hopkins
Hunt
Selfridge
Hermon
Mottendorf

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

JUL 2 - 1956

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

Re: Docket No. DMEA-4168-mica
Littles Mining Company
Sam L. Phillips, et al.
Littles Prospects #1 and #2
Ashe County, North Carolina

Dear Mr. Laurence:

Reference is made to the field examination report dated June 19, 1956, on the subject property.

It is noted that the land under lease embraces an area, a part of which lies beyond the property boundaries, and the point of beginning in the legal description is indeterminate, not properly marked and tied to a permanent landmark.

We are enclosing our copy of the lease, Consent to Lien, and a copy of your map. Please request the applicants to correct the discrepancies on the lease and Consent to Lien that were noted by the examiners and return to us. We will transfer the new map data to the other eight copies of the map when the enclosed copy has been corrected and returned.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JHB)

Approved:

P. F. Yopes (JHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

Enclosures:8

JHopkins:ms 7/2/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.S.

IN REPLY REFER TO:

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

RECEIVED
JUN 27 1956

June 26, 1956

Re: DMEA 4168
Sam Phillips, et al.
Little prospects 1 and 2,
Ashe Co., N. C.
App. Est. $13,600.00
Rec'd. Est. 11,325.00
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 applicants requested assistance in exploring 2 large pegmatites at a cost of $6,800 for work on each prospect.

The examiners found considerable mica at one place in the No. 1 pegmatite, along with some beryl. The second pegmatite, altho large, showed little mica; therefore the proposed work is to be confined to the No. 1 prospect and is to consist of:

Bulldozing	$125.00
Sinking 60-foot shaft	2,472.00
Driving 225 feet drifting and crosscutting	8,613.00
Buildings	115.00
Total	$11,325.00

Apparently the extensive work is to be done in a part of the pegmatite which reported work, shafts, crosscut and adit, suggests is of questionable potential. The proposed trench will test that part, and in case the appearance is promising the work proposed would be justified. Lest the appearance is not promising, should not provision for 2 or 3 more trenches be made? For pegmatites of the lengths and widths reported diamond drilling could be useful for spotting the most likely places for work.

From the Government viewpoint it would be an advantage to have the lease made to include a possible extension of the only part of the pegmatite known to mica-beryl-bearing.

Work is probably warranted, but I think a program involving less risk should receive consideration.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
JUN 27 1956

June [illegible], 1956

[illegible]
[illegible] Billing, et al.
Little Prospector [illegible]
[illegible]
[illegible] et.
[illegible] et.

Memorandum

To: [illegible] Bureau, Atomic Minerals Exploration Administration

From: [illegible] Nelson, [illegible] Geological Survey

Subject: [illegible] of field [illegible] report.

The applicants requested assistance in exploring 2 large pegmatites at a cost of [illegible] for work on each property.

The examiners found considerable mica at one place in the No. 1 pegmatite, along with some beryl. The second pegmatite, which is larger, showed little mica; therefore the proposed work is to be continued in the No. 1 pegmatite and is to consist of:

Bulldozing	[illegible]
Sinking 20-foot shaft	[illegible]
Driving 2.5 feet drifting and crosscutting	[illegible]
Sorting	[illegible]
Total	11,[illegible]

Apparently the extensive work is to be done in a part of the pegmatite which reported work, albite, crossout and mica, suggests is of questionable potential. The proposed trench will test that part, and in case the appearance is promising, the work proposed should be justified. Lest the appearance is not promising, should not provision for 2 or 3 more trenches be made? Our experience of the lengths and widths reported at good mica mining could be useful for spotting the most likely places for work.

From the Government viewpoint it would be an advantage to have the issue made to include a possible extension of the only part of the pegmatite known to size-specimen-bearing.

ork is probably warranted, but I think a program involving less risk should receive consideration.

W. E. Nelson

W. E. Nelson

cc: W. F. Dietrich, 3061
Director's reading file (4212)
Branch file (4212)
DRA (3)
Chron. file
Docket file

WNelson:btr
6/26/56

IN REPLY REFER TO:

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

RECEIVED
JUN 27 1956

June 26, 1956

Ref: [illegible] .153
[illegible] Billion, et al.
Little prospects 1 and 2,
[illegible]
[illegible] st. 13,6[illegible]
[illegible]'d. st. 11,3[illegible]
[illegible]ca

Memorandum

To: [illegible] Houk, Atomic Minerals Exploration Administration

From: [illegible] Nelson, U. S. Geological Survey

Subject: Review of [illegible] Lease Report.

The applicants requested assistance in exploring 2 large pegmatites at a cost of [illegible] for work on each prospect.

The examiners found considerable mica at one place in the No. 1 pegmatite, along with some beryl. The second pegmatite, altho large, showed little mica; therefore the proposed work is to be confined to the No. 1 prospect and is to consist of:

Building	[illegible]
Sinking 50-foot shaft	2,47[illegible]
Driving 245 feet drifting and crosscutting	[illegible]
Milling	115,[illegible]0
Total	11,3[illegible]

Apparently the extensive work is to be done in a part of the pegmatite which reported work, shafts, crosscut and adit, suggests is of questionable potential. The proposed trench will test that part, and in case the appearance is promising the work proposed would be justified. Lest the appearance is not promising, should not provision for 2 or 3 more trenches be made? For pegmatites of the lengths and widths reported diamond drilling could be useful for spotting the most likely places for work.

From the Government viewpoint it would be an advantage to have the lease sets to include a possible extension of the only part of the pegmatite known to mica-beryl-bearing.

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N. E. Nelson

N. E. Nelson

cc: W. F. Dietrich, 3061
Director's reading file (4212)
Branch file (4212)
DWA (3)
Chron. file
Docket file

N Nelsonthtr
6/26/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 2105 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN 21 1956

June 19, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: Field Examination Report, DMEA-4168 (mica) Littles Mining Co. Littles Mine, Ashe County, North Carolina

Enclosed are four copies of the subject report and nine extra copies of the map. We recommend approval of a two-stage unit cost contract for work at the Littles No. 1 Mine.

The proposed work is somewhat more extensive than that for most mica projects, because of the much larger pegmatite, and because practically no information on previous production is available.

The land owner wants bulldozing kept to a minimum to avoid destruction of the land; therefore, it is unlikely that bulldozer trenches between the 30 and 40 contours would be permitted.

It appears that, although the land covered in the lease is adequate, the beginning point is not well located, and much of the supposed leased area lies across the property line and is therefore not owned by the lessor.

No work at the Littles No.2 seems to be justified at this time.

Robert A. Laurence By: JM
Robert A. Laurence,
Executive Officer, DMEA
Field Team, Region V

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

Reviewed by
DMEA OPERATING COMMITTEE
6-25-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

RECEIVED
JUN 21 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM
REGION V

On

DMEA-4168, LITTLES NOS. 1 and 2 PROSPECTS
Ashe County, North Carolina

By

S. C. Bergman and A. R. Taylor, Geologists
U. S. Geological Survey

and

A. L. Peyton, Mining Engineer
U. S. Bureau of Mines

June 19, 1956

Reviewed by
DMEA OPERATING COMMITTEE
6-25-56
(date)

FIELD EXAMINATION REPORT

ON

DMEA-4168, LITTLES Nos. 1 and 2 PROSPECTS
ASHE County, North Carolina

RECEIVED
JUN 21 1956

Summary

Two extremely large mica-beryl bearing pegmatites, mined during World War I and 1946, exist on the south slope of a moderately steep hill. The Littles No. 1 is evidenced by a 300-foot strike length sequence of pits and old caved shafts dug entirely in pegmatite. There is a measured minimum thickness of at least 45 feet at the northeast end of the exposure and a reported 68 feet of crosscut in pegmatite near the southwest end which reportedly did not cut a contact (see map). At the northeast extremity is a 20-foot thick zone which shows strategic muscovite occupying 10 to 15% of the pegmatite by volume. Besides having an indicated mica potential, the structure has a reported beryl production of 80,000 pounds. No records are available in this office on the past history of these prospects.

The Littles No.2 is a parallel structure about 250 feet southwest. It consists of a single trench 135 feet long and 20 feet wide, entirely in pegmatite which shows little except a few sheets of scrap muscovite to indicate its potential. It is recommended that an extensive exploration program be set up at the Littles No. 1 in proportion to its size and indicated potential. The Examiners suggest that exploration at the No. 2 Prospect be subsequent to and contingent on results at No. 1, subject to a request for amendment by the Operator at that time.

Introduction

The property was examined March 13, 1956. The Field Examiners were guided by the Applicants, Mr. Carl Greene and Mr. Arnold Duncan, who was foreman at the Littles No.1, during World War I. Both applicants are elderly and would probably have little active participation in the actual work, but seem to have the benefit of wide experience in the mining field.

The field examiners are somewhat dubious of the validity of the Applicant's lease, since a 1000 foot square centered on an indeterminate point at the Prospect site throws a substantial portion of the lease area off of the lessors property to the northeast. No buildings, equipment or other improvements are presently at the prospect site.

Location

T he Littles Prospect is located approximately 2.4 miles S 82° E from the center of Jefferson, Ashe County, North Carolina, and is accessable by all weather graveled roads, a short distance east from the intersection of Highways 221, 16, and 88.

Geology

A 300-foot sequence of old pits and caved shafts dug entirely in badly weathered decomposed pegmatite at the Littles No.1 Prospect indicates an essentially vertical (?) mica-beryl bearing pegmatite trending N 45° E and of considerable thickness. A minimum 45-foot width was measured from a single obscure contact at the northeast extremity of the exposure. Near the southwestern end of the exposure is a caved shaft reported 30 feet deep, off of which, is a reported 68-foot cross cut at the 20 foot level entirely in pegmatite. No contacts were reported cut in this crosscut, but 25 so-called "columns" of mica were reportedly intercepted. A 140-foot long drift was reported to have been driven in pegmatite from this shaft towards the northeast.

At the northeast rim of the northeasternmost pit is exposed a 20-foot thick zone containing numerous 3 to 6 inch wide oriented books of muscovite 1/4 to 1/2 inch thick. About 1 book occurs in every 2 to 4 inches of pegmatite occupying 10 to 15% by volume of that section of pegmatite. All books were essentially vertical, and strike-oriented. The muscovite, although badly weathered, seemed to be a greenish-brown color, flat A, with some mineral stain and minor ruling. There was some large intergrown biotite observed.

The feldspar is badly decomposed, but seems to be predominantly plagioclase. Massive quartz was found on the dumps and in the float up to 2 feet in diameter. There is a reported production of 80,000 pounds of beryl from the Littles No.1, which is somewhat substantiated by the presence of an occasional yellow to yellow-green crystal on the dumps.

The Littles No.2 Prospect is a large pegmatite probably parallel to No.1 and about 250 feet southeast. Previous exploration is confined to a trench cut entirely in pegmatite about 135 feet long and 20 feet wide. Compositionally it is similar to No. 1 except that no beryl was seen and only a few sheets of scrap mica were seen on the dump. T he potential as a mica-beryl producer may be present, but it is not nearly as obvious as is Prospect No.1.

Recommendations

It is recommended that a northwest-southeast trending bulldozer trench be cut at the southwest end of the Littles No.1 exposure (140' x 10' x 8' deep) normal to the indicated strike in order to cut both contacts and help outline the mica distribution within the structure.

A cribbed 2-compartment shaft of 5' x 7' cross-section and 60-foot depth is suggested to be sunk in pegmatite, along a contact determined by the bulldozing.

From the shaft station at the 60-foot level, 225 feet of 5' x 7' drift and/or crosscut is recommended as necessary to outline any reserves

in a structure of this size. It is anticipated that the width of the structure will be anywhere from 50 to 100 feet and that the mica zones will be steeply inclined and strike-oriented. It is suggested that a crosscut be driven from the shaft to the opposite contact, then a drift driven 75 feet to the northeast from the shaft. From the northeast extremity of the drift, drive a second crosscut from contact to contact. All crosscutting to be as nearly normal to the indicated strike as possible. The southwestern end of the exposure was selected as a starting point because of its low topographic position puts any underground work at the 60 foot level well below any reported workings further uphill.

The extensive program is believed to be justified in view of the large size of the structure and indicated potential of beryl as well as mica.

Estimated Costs:

Bulldoze a trench with a D-6 tractor or equivalent from a point near the southwestern end of the Littles No.1 Prospect (140' x 10' x average 8' deep) normal to the indicated strike of the structure to establish the contacts and help outline the mica potential:

415 cu. yds. @ 0.30¢ per yd	$125.00

Construct:

1.6 Toolhouse	$76.00	
1.7 Powder Magazine	25.00	
Exploder Magazine	14.00	115.00
		240

Sink 60 ft of 2-compartment shaft of 5' x 7' cross-section on a pegmatite contact established by bulldozing (30 shifts)

Labor:

1 - Miner @ $1.50/hr. (1.75, 1.50)	360.00	420.00
1 - Hoistman @ $1.25/hr	300.00	360.00
1 (2) - Laborers @ $1.00/hr	480.00	240.00
	1140.00	1020.00

Equipment (rental)

Compressor and Drill @ $230/Mo. (@ $250/mo)	345.00	
Hoist @ $50/Mo	75.00	
Pump @ $20/Mo.	30.00	
	450.00	375

250 + 125 = 375

II - 100 ft dr/xcut

II - 100 ft cross cut

Supplies:

Explosives	132.00
Drill steel	96.00
Gasoline and oil	120.00
Small tools and pipe	120.00
Timber, 1800 b.f. @ $65/M	117.00
	585.00

Supplies (continued)

Miscellaneous	$115.00
Liability Insurance	114.00
Social Security	22.80
State Unemployment Ins.	24.74
Sales Tax	20.46
	297.00

Estimated cost of sinking shaft @ unit cost of $41.20 — $2,472.00 — $ 2277.00

Drive a maximum of 225 feet of 5' x 7' drift on a pattern established in the text of the report (110 shifts) — use ~~140.00~~/ft. $44.00 ft

use 2.2 ft/shift = 102 shifts

Labor:

1 - Miner @ $1.50/hr. (1.75, 1.50)	$1320.00	1428.00
1 - Hoistman @ $1.25/hr.	1100.00	1224.00
1 (2) Laborers @ $1.00/hr.	1760.00	816.00
	4180.00	3468.00

Equipment (rental)

Compressor, drill and jackleg @ $250/Mo (- $250/mo)	1375.00	$ 1,275.00
Hoist @ $50/Mo.	275.00	
Pump @ $20/Mo.	110.00	
	1760.00	

Supplies:

Explosives	695.00
Drill steel	315.00
Gasoline and oil	425.00
Small tools and pipe	255.00
Miscellaneous	330.00
Liability Insurance	418.00
Social Security	83.60
State Unemployment Ins.	90.70
Sales Tax	60.70
	2673.00

Estimated cost of drifting @ unit cost of $38.28 — $7,316.00 — $8,613.00 use $23/ft

Total Estimated Cost of Project..... $11,325.00

Examined: March 13, 1956

10625
900

A. L. Peyton, Mining Engineer
Bureau of Mines

S. C. Bergman and A. R. Taylor,
Geologists, Geological Survey

44 33

z

DOCKET COPY
Surname:

Hopkins
Houk
Martin
Hopkins

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

FEB 20 1956

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

Re: Docket No. DMEA-4168-Mica
Sam L. Phillips et al.
Littles Prospects 1 and 2
McDowell and Mecklenburg
Counties, 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 February 13, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee

Approved:

/s/ Robert W. Geehan
Member, Bureau of Mines

W. P. Williams
Member, Geological Survey

Enclosures: 4

JHopkins:ms 2/16/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

R.C.G.

DOCKET COPY
Surname:

Hopkins
Houk
Gechan
Martin
Williams
Kapluson

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

FEB 20 1956

Littles Mining Company
c/o Mr. Sam L. Phillips
Spruce Pine, North Carolina

Re: Docket No. DMEA-4168-Mica
Sam L. Phillips et al.
Littles Prospects No. 1 and No. 2
McDowell and Mecklenburg Counties,
North Carolina

Dear Mr. Phillips:

Your application for assistance in exploring the subject property has been reviewed by the Nonmetallic Minerals Division of the Defense Minerals Exploration Administration and has been referred to Mr. 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 during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (Lw)

Administrator

JHopkins:ms 2/16/56
Copy to: Admr. R. File
✓Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Field Team, Region V

P.C.S.

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

RECEIVED
FEB 15 1956

February 13, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4168 (mica)

Applicant: Littles Mining Co. (S.L. Phillips)

Name and Location of Property: Littles Prospects #1&2, McDowell & Mecklenburg Co., N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 2/10/56

Comments:

1. The relative position of the 2 prospects is not given nor the location of previous mine workings.

2. No data available in this office on this property.

3. The estimated expenditures should be made on a unit-cost basis.

4. It appears a field examination is necessary to determine the feasibility of a project.

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.

RECEIVED
FEB 15 1956

February 13, 1956

Re: DMEA 4168
Sam Phillips, et al.
Littles Prospects 1 & 2
Ashe County, N. C.
$13,600.00 - Mica

Memorandum

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

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

Subject: Review of application.

The applicants request the participation of the Government in the exploration of two prospects by bulldozing, shaft sinking, and drifting at an estimated cost of $6,800.00 at each prospect.

The purpose of the bulldozing is to bulldoze away overburden to uncover the vein, probably in the general area of a mine from which, reports say, high quality mica was recovered. From the time to be spent bulldozing the prospects are, as yet, little more than expectations.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson
inl

N. E. Nelson

February 10, 1956
Subject: DMEA-4168
Re: Exploration Assistance
Littles Prospects #1 & #2

Littles Mining Company
c/o Sam L. Phillips
Spruce Pine, North Carolina

My dear Mr. Phillips:

The receipt of your application dated February 7, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4168 and referred to the Nonmetallic Minerals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

MR-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
FEB - 9 1956

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-4168
Metal or Mineral Mica
Date Received 2-9-56
Estimated Cost $13,600.00
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: Sam L. Phillips, Carl Greene and J. Arnold Duncan
d/b/a Littles Mining Co.
c/o Sam L. Phillips, Spruce Pine, 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.

(*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 Legal description given on lease.

(*b*) State any mine name by which the property is known. Littles Prospects #1 and #2

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Lessee

(*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. Lease attached.

(*e*) If you own the land, describe any liens or encumbrances on it Do not own land.

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None

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. See sheet.

(*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.

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. See sheet.

(*c*) The work will start within 30 days and be completed within ..... 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. See sheet.

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: See sheet.

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

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

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

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

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

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

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

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

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

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? Yes. Will furnish required 25%.

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

[X] 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 2-7-56, 195...

Littles Mining Company
(Applicant)

By Sam L. Phillips
Partner

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

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MF-103 (Continuation sheet)

4. (a) This mine was worked during World War I, and some some work was done in 1946. Applicants had no interest in previous work.

   (b) Reports are that high quality mica was produced at this mine. No official records available.

   (c) We believe vein can be uncovered with some bulldozing work, since vein material shows.

   (d) Project is accessible to roads and shipping.

   (e) Manpower, equipment and supplies available. Power is within 200 yards.

5. (b) We propose to bulldoze away overburden on large area, sink 5'x7' shaft 50' deep, then drift 80' with vein. We propose to do same type work at both prospects.

6. Estimate of costs:

Prospect #1

150 Hrs. Bulldozing @ $10.00 per hr.	$ 1500.00
50' Shaft @ $50.00 per ft.	2500.00
80' Drift @ $35.00 per ft.	2800.00
Total estimated cost, Prospect #1	$ 6800.00

Prospect #2

150 Hrs. Bulldozing @ $10.00 per hr.	$ 1500.00
50' Shaft @ $50.00 per ft.	2500.00
80' Drift @ $35.00 per ft.	2800.00
Total estimated cost, Prospect #2	$ 6800.00
Total cost, projects #1 and #2	$ 13600.00

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Carl Greene

Mr. Carl Greene was born and brought up in Mitchell County, N. C. and attended school at Roan Mountain. He has spent his entire life mining mica and feldspar, sometimes self-employed, sometimes employed by mining companies. He is now fifty-two years old andlives in Marion, N. C. He is a reputable citizen, and lists the following references:

Mr. Jesse McKinney
Bakersville, N. C.

Mr. Will Greene
Bakersville, Rt. 3, N. C.

Mr. Will McKinney
Spruce Pine, N. C.

J. Arnold Duncan

Mr. Arnold Duncan was born and brought up in Mitchell County, attending schools in the county. He began working for mining companies at an early age and has followed mining all his life, working in many of the mica and feldspar mines in this area.

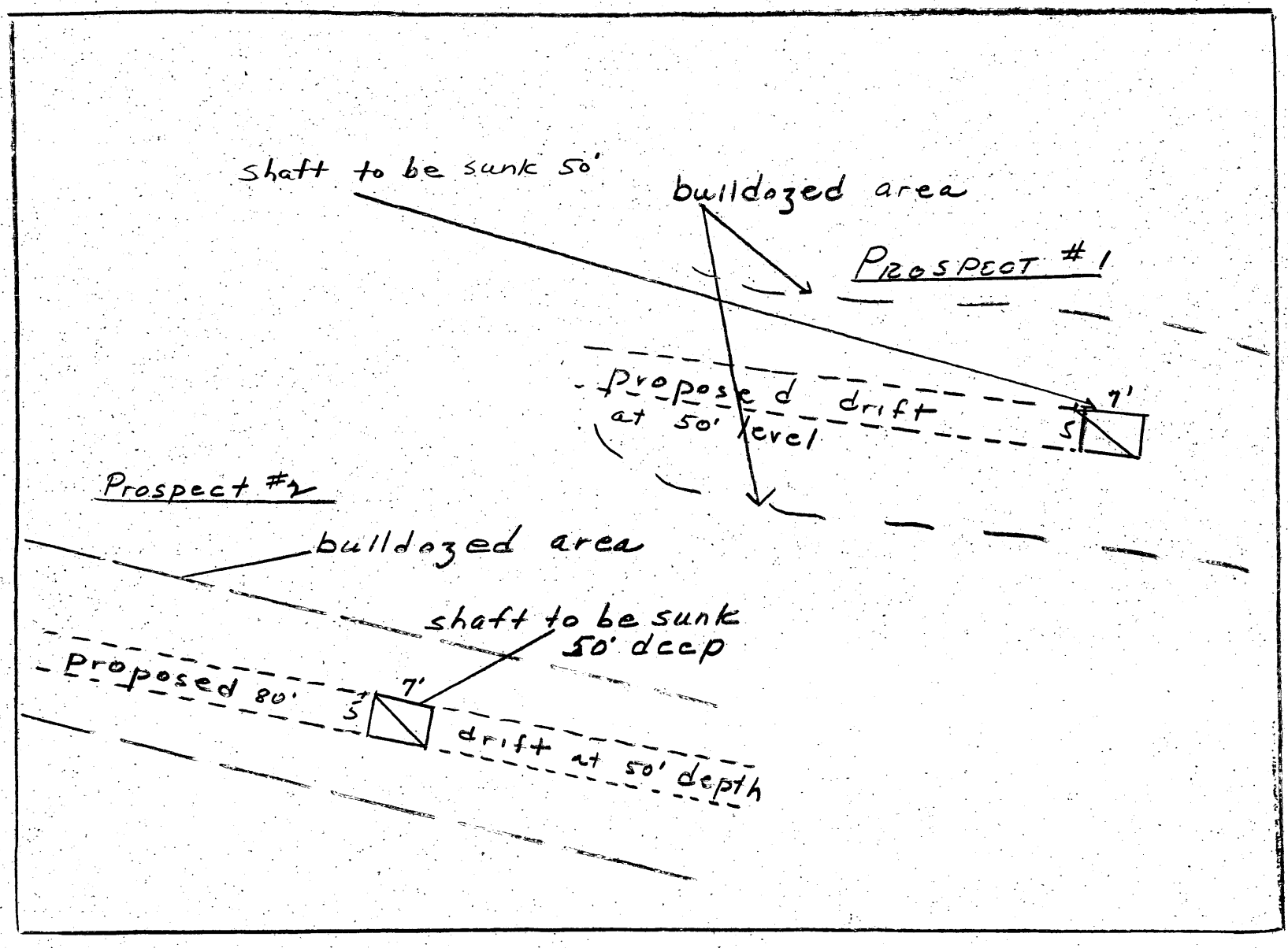
Mr. Duncan is now 62 years old and resides in Marion, N. C. He lists the following references:

Mr. Lin Carpenter
Spruce Pine, N. C.

Mr. Crawford Wilson
Spruce Pine, N. C.

Mr. Pender McKinney
Spruce Pine, N. C.

LITTLES PROSPECTS
Ashe County
N. C.



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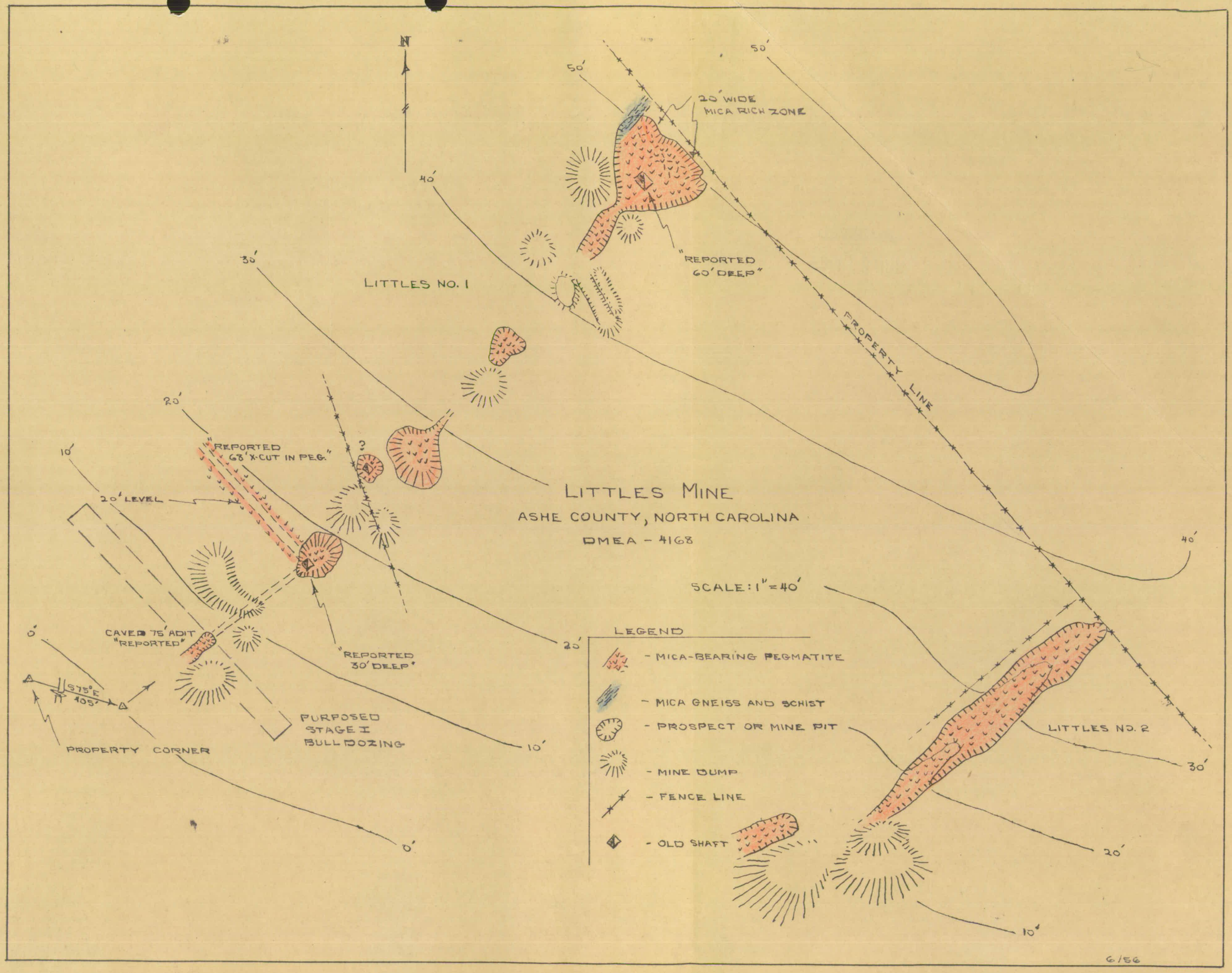
N
50'
50'
20' WIDE
MICA RICH ZONE
40'
"REPORTED
60' DEEP"
30'
LITTLES NO. 1
PROPERTY LINE
20'
10'
"REPORTED
68' X-CUT IN PEG."
?
20' LEVEL
LITTLES MINE
ASHE COUNTY, NORTH CAROLINA
DMEA - 4168
SCALE: 1" = 40'
40'
0'
CAVED 75' ADIT
"REPORTED"
"REPORTED
30' DEEP"
20'
S75°E
105'
PURPOSED
STAGE I
BULLDOZING
10'
PROPERTY CORNER
0'
LEGEND
- MICA-BEARING PEGMATITE
- MICA GNEISS AND SCHIST
- PROSPECT OR MINE PIT
- MINE DUMP
- FENCE LINE
- OLD SHAFT
LITTLES NO. 2
30'
20'
10'
6/56

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a time.
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
~~Mr. [illegible]~~ ~~4 2nd [illegible] Bldg.~~	RUN / STOP		RUN / STOP
~~Mrs. [illegible] Room 5012 Interior~~	RUN / STOP		RUN / STOP
Mr. Ellis Room 4443 Interior Bldg.	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
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	RUN / STOP		RUN / STOP

Send surplus envelopes to supply room for reissue.

Use other side

Use RUN and STOP only when messenger service between Government buildings in Washington is required. Your mail room has RUN and STOP information.