DMEA 4023

DOCKET INDEX

ACTION DOCUMENTS

1. APPLICATION — DATE RECEIVED 10-19-56

2. CONTRACT — DATE 3-13-56

3. TERMINATION AGREEMENT: — DATE

   a. Mutual (with/without repayment provision).
   b. Unilateral.
   c. Amendment with automatic termination clause and with/without repayment provision.

4. CERTIFICATION — DATE

5. AUDIT REPORT — DATE

6. AMENDMENTS - NUMBERS — DATE

Docket Copy

RECEIVED
MAR 22 1956

MF-200A
(Revised June 1954)

Docket No. DMEA 4023

Commodity Mica

Contract No. Idm-E 931

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT[1]
(Short Form)

It is agreed this MAR 13 1956 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and [2] B. N. Holland, whose mailing address is General Delivery, Franklin, North Carolina, hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Exhibit "A," Annex I, and 3 maps

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of North Carolina, County of Jackson, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the [4] Owner of [5] the entire interest in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a [6] Deed, [7] ..... recorded in Book 200, page 16, official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: None

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.), are attached, as follows: None

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 7, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 7(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Strategic Mica. The work to be performed is described in Exhibit "A." The Operator on or before MAY 1 1956 shall commence the work, and on or before August 31, 1956 (unless the Operator's obligation to complete the work is terminated—see Article 8) shall complete the work.

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—A fixed cost for each unit of work to be performed (per foot of drifting, per foot of drilling, per hour of operations, etc.) is hereby agreed upon, and is set forth in Exhibit "A" in connection with the estimated total cost of the project in the sum of $6,576.00. The Government will contribute 75 percent of the fixed unit costs as work is performed, in a total sum not in excess of $4,932.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 6(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work

performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records or accounts.

ARTICLE 7. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 6) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 8. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 8 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 9. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 10. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 11. *Changes and added provisions.*—

Indrutz 2/10/56
Almyer
"Appd. Sol. Off."
Hopkins
Hoult
Chapman
Selbridge
Johnson

Executed in sextuplicate the day and year first above written.

B. M. Holland
B. M. HOLLAND
(Operator)

THE UNITED STATES OF AMERICA

By C O Mitteudorf
Administrator, Defense Minerals
Exploration Administration

By .....

.....

I, ..., certify that I am the ..... secretary of the corporation named as Operator herein; that ..... who signed this contract on behalf of the Operator, was then ..... of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

.....

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70618-1

EXPLORATION PROJECT CONTRACT
B. M. ROLLAND
DOCKET NO. [illegible]

ANNEX I

The land referred to in Article 2 of the Contract is in Jackson County, North Carolina, and is bounded and more particularly described as follows:

Beginning on a hickory in the Forest Service Line and runs due north 990 feet to a white oak; thence N 50° W 495 feet to U. S. Forest Service Corner; thence N 65° E 1,897.5 feet in the Forest Service Line to top of Ridge; thence S 16° E 990 feet to a chestnut; thence S 30° W 495 feet to a chestnut; thence S 20° E 742.5 feet to a chestnut; thence due west 990 feet to a point; thence N 70° W 330 feet to a point; and thence in a straight line to the point of beginning, containing 100 acres more or less.

Prospect No. 1 and Prospect No. 2 are .86 miles and .89 miles respectively NW of U. S. Highway 23, about 11 miles by road NE of Franklin, Macon County, North Carolina.

RECEIVED

MAR 22 1956

EXPLORATION PROJECT CONTRACT
B. M. HOLLAND
DOCKET NO. DMMA-4023

Exhibit "A"

Description of the Work

The work is to be performed on two separate prospects known as Holland No. 1 and Holland No. 2, and is shown in part on the maps entitled, "Holland No. 1 Prospect DMMA-4024 (Mica)" "Holland No. 2 Prosp. DMMA-4023 (Mica)" and "Plat of B. M. Holland Property Jackson County, N. C." attached hereto and made a part hereof. Work shall begin at the Holland No. 2 Prospect, to be followed by work at the No. 1.

Holland No. 2 Prospect:

1. With a model D-6 or equivalent size bulldozer prepare a shaft site.

2. Construct:

(a) A toolhouse, minimum dimensions 7 feet by 8 feet by 10 feet.
(b) A powder storage magazine, minimum dimensions 4 feet by 3 feet by 2½ feet.
(c) An exploder storage magazine, minimum dimensions 2 feet by 1½ feet by 1 foot.

The toolhouse may be unfloored; shall be made from rough, unfinished lumber, with protective roof covering; and shall be equipped with lock and key.

The powder and exploder magazines shall be boxed on all sides; shall be made from 2-inch hardwood or 3-inch softwood lumber; and shall be braced at the corners. No metal shall be exposed; and the doors shall be securely locked with the equivalent of a 5-tumbler jarproof lock.

3. Sink a 5 feet by 7 feet, two-compartment shaft 50 feet as nearly as practicable on the pegmatite.

4. From the shaft drive 80 feet of drift and/or crosscut.

The shaft and drift and/or crosscut shall have minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

Holland No. 1 Prospect

5. With a model D-6 or equivalent size bulldozer excavate floor of existing cut to deepen and improve entry. This work will involve making a cut 75 feet by 20 feet by 10 feet to remove approximately 550 cubic yards of rock.

6. Drive 75 feet of adit-drift and/or crosscut having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

The location, direction, inclination, and extent of all work shall be subject to the approval of the Government.

Fixed Unit Costs

Holland No. 2 Prospect

1.	Preparation of shaft site Bulldozing 250 cubic yards @ $0.40/cu. yd.	$ 100.00
2.	Construct	
	Toolhouse	75.00
	Powder Magazine	85.00
	Exploder Magazine	16.00
3.	Sink 50 feet of shaft @ $37.30/ft.	1,865.00
4.	Drive 80 feet of drift and/or crosscut @ $30.00/ft.	2,400.00

Holland No. 1 Prospect

5.	Excavate trench approximately 75 feet by 20 feet by 10 feet 550 cubic yards @ $0.40/cu. yd.	220.00
6.	Drive 75 feet of adit-drift and/or crosscut @ $25.00/ft.	1,875.00
	Estimated Total Cost of Project	$6,576.00
	Government Participation @ 75%	$4,932.00

4275

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/5	Anderson	600
3/6	Houck	600
3-6	Chambers	800
3/7	Lefandge	170
"	Johnson	110
"	Mittendorf	100
3-8	C	770
		225

600

MAR - 7 1957

Mr. B. M. Holland
General Delivery
Franklin, North Carolina

Re: Docket No. DMEA-4023 - mica
B. M. Holland
Holland No. 1 and Holland No. 2
Prospects
Jackson County, North Carolina
Contract No. Idm-8931

Dear Mr. Holland:

Reference is made to your completed exploration contract with the Government.

We sincerely regret that the work performed did not result in a certification of discovery or development under the provisions of the contract. In the absence of such certification, the Government retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this project. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the period indicated.

Your interest in the DMEA exploration program and participation therein are fully appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WCAnderson:ma 3/5/57
Copy to: Docket
Admr. R. File
Mr. Chambers
Mr. Killagaard, 5222
Mr. Dietrich, 3061
Field Team, Region V

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
3/5	Anderson	600
3/6	Hoch	600
		800
		170
		110
		100
		220

600

Project Summary Report

March 5, 1957

By: Walter C. Anderson

1. Docket No. DMEA-4023-mica
Contract No. Idm-2931
Holland No. 1 and No. 2 Prospects
Jackson County, North Carolina

Application: Form MF-103 (April, 1952) received October 19, 1955.

Work proposed by applicant:

Ten hours of bulldozing and 60 feet of "tunnel".
Amount requested - $2,200.

Operator: B. M. Holland
General Delivery
Franklin, North Carolina

Operator's Property Rights:
Owner

2. Contract: Form MF-200 A (June, 1954) dated March 13, 1956.

Work Authorized:

Bulldozing	$ 320.00
Buildings	116.00
50 feet of shaft	1,865.00
155 feet of drifts, adits and/or crosscuts	4,275.00
Estimated total cost of project	$6,576.00
Government participation @ 75%	$4,932.00

Amendments:

None

8623

Work Completed:

Bulldozing	$ 320.00
New Buildings	116.00
30 feet of shaft	1,119.00
155 feet of drifts, adits, and/or crosscuts	4,275.00
Total accepted cost	$5,830.00
Government participation @ 75 %	$4,372.49

Work began March 19, 1956 and was completed May 22, 1956
Field Team Final Report received July 2, 1956.
Operator's Final Report dated June 19, 1956 and received June 25, 1956
Royalty received $7.40 which accounts for all the mica produced during operation and up to December 19, 1956.
No equipment purchased under contract.

3. Audit:
Report of Review issued July 2, 1956:

Total accepted cost	$5,830.00
Government participation @ 75%	$4,372.49

4. Certification of Discovery - none issued.
No discovery of significant reserves

5. Comments:

How Conducted:
All of the work in which the Government participated was acceptable.

Operation:
Good

Engineering:
Operator's final report was acceptable, but the narrative portions of the monthly reports were not informative.

Geological Premise:
The premise that abundant occurrences of mica in two parallel pegmatites, as indicated on the surface, would continue with depth and extent did not materialize, as only $146 worth of mica was found.

Geological criteria upon which work was based:

1. Pegmatite - 2 parallel pegmatites
   (No. 1) - 10 feet thick, conformable to highly weathered gneissic country rock. Contains highly kaolinized potash feldspar, discontinuous quartz stringers and muscovite.
   (No. 2) - 5 to 10 feet thick, 1 to 2 feet quartz core, and exhibiting abundant mica.

2. Mica
   (No. 1) - Nominal amount, hard, light ruby in color, 3 to 4 inch books, some slightly stained.
   (No. 2) - Abundant occurrence, ruby, flat "A" fairly good size, some slightly bent and stained, and some badly ruled.

Criteria developed during project:

1. Pegmatite:
   (Holland No. 1)
   5 to 20 feet thick, containing weathered soda-feldspar, discontinuous quartz stringers and inclusions of biotite gneiss and schist. Both conformable and disconformable with country rock.
   (Holland No. 2)
   zoned, 3.5 to 4 feet thick, containing a 6 inch to 2.5 feet quartz core, flanked by mica and feldspar.

2. Mica:
   (Holland No. 1)
   ruby, 8 to 10 inches wide, of poor quality, cracked, bent, and stained.
   (Holland No. 2)
   bent, ruled, cracked and heavily stained

Future possibilities:

Since enough exploration work was done to prove that the mica is of non-strategic, poor grade, the prospect of strategic mica production is remote.

Recommendations:

The Field Team recommended not to certify. The Nonmetallic Minerals Division and the Commodity Members of the Bureau of Mines and Geological Survey concur.

Walter C. Anderson

WCAnderson:ms 3/5/57
Copy to: Docket
Admr. R. File
Mr. Anderson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

February 25, 1957

OFFICIAL FILE COPY
DMEA
RECEIVED FEB 27 1957

DATE	INITIALS	CODE
2/27	C	220
		225

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023, Idm-E931 (mica) B. M. Holland
Holland Prospect Nos.1 & 2, Jackson County, N.C.

Reference is made to your letter of February 20, 1957. The $146.00 worth of mica on which royalty has been paid represents the entire production during the life of the contract and up to December 19, 1956. As far as we can determine, no unpaid royalties are due the Government.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
V. J. Lynch
V. J. LYNCH
MEMBER, BUREAU OF MINES

.m

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
2/19	Anderson	600
2/19	Houk	600
2/20	Selfridge	130
"	Johnson	110
		~~100~~ 210
2/21	C	220

225

600

FEB 20 1957

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

Re: Docket No. DMEA-4023-Mica
B. M. Holland
Holland No. 1 and Holland No. 2
Prospects
Jackson County, North Carolina
Contract No. Idm-E931

Dear Mr. Laurence:

Reference is made to the subject contract which was completed on May 22, 1956, and which the Field Team recommended not be certified.

Before we write a closing letter we would appreciate having a report on the status of this project including value of production and sales of mica up to December 19, 1956, the final date for certification, and whether there are any unpaid royalties due the Government. In their final report the Field Team estimated the value of production during the project to be $200.00. The Operator has sold $146.00 worth of mica for which a royalty of $7.30 has been paid.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

WCAnderson:gad 2/19/57
Copy to: Admr. R. File
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

8623

IN REPLY REFER TO:

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

RECEIVED
SEP 27 1956

September 27, 1956

Re: DMEA 4023 - Idm E-931
B. M. Holland
Holland prospect
Jackson County, North Carolina
Approved $6,576
Expended $5,830
Mica

Memorandum

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

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

Subject: Review of Field Team final report.

The contract approved the expenditure of $6,576 on two quartz cored pegmatites, the work to consist of bulldozing, sinking and drifting.

No. 1 pegmatite was explored by 107 feet of adit and crosscuts. At the 68-foot point, a mica-rich zone was cut and 600 pounds of mine-run-block ruby mica was recovered. The quality is low.

No. 2 pegmatite was explored by a 30-foot shaft, a 13 foot crosscut and 67 feet of drifting at the 26-foot level of the shaft. About 400 pounds of inferior mica was recovered.

Total sales of scrap mica from the two prospects amounted to $27.74 and the total value of all kinds recovered is estimated to be $200.

No significant reserves were discovered. The examiners and the Field Team recommend that no certificate of discovery be issued.

I concur with the recommendation.

T. H. Kilsgaard
For: N. E. Nelson

Cul

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

July 18, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4023 (mica)

Applicant: B. M. Holland

Name and Location of Property: Holland Prospects Nos. 1 & 2, Jackson County, N. C.

Contract Number: Idm-E 931

Date of Field Team Report: 6/28/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 7/9/56

Field Team Recommendation: Recommend no certification of discovery be issued.

Comments:

1. Sufficient work has been done to indicate the pegmatite is not suitable for producing large quantities of strategic mica.

2. Mica was recovered during DMEA exploration.

3. Expenditures -

Total approved	$6,576.00
Total cost	5,830.00
Gov't. share of the cost	4,372.49
Value of production during operation	200.00 (est.)

Recommendation:

I concur with the recommendation of the field team for no certification of discovery.

W. F. Dietrich

W. F. Dietrich

RECEIVED
JUL 19 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUL 2 - 1956

June 28, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Field Team Final Report - Idw-E931, DMEA-4023 (mica)
Holland Prospects Nos. 1 and 2. North Carolina

Transmitted is the original and three copies of the subject report.

The Field Team concurs with the Field Examiners in their recommendation that no certification be issued because of the lack of lack of reserves and the poor quality of the mica recovered.

Robert A. Laurence
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
7-9-56
(date)

RECEIVED
JUL 2 - 1956

UNITED STATES

DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FINAL REPORT

FIELD TEAM-DMEA- REGION V

On

DMEA-1023, Idr-E931, HOLLAND Nos. I and 2 PROSPECTS
(mica)
Jackson County, North Carolina

By

A. R. Taylor, Geologist
U. S. Geological Survey

and

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

Reviewed by
DMEA OPERATING COMMITTEE
7-9-56
(date)

RECEIVED
JUL 2 - 1956

FINAL REPORT

On

DMEA-4023, Idm-E931, HOLLAND Nos. 1 and 2 PROSPECTS
Jackson County, N. C.
(mica)

Operator: B. M. Holland, General Delivery, Franklin, N. C.

Summary

Work under the contract in Holland Nos. 1 & 2 did not result in a discovery. About 2100 pounds of "mine-run-block" muscovite and scrap were recovered (of that amount 1800 lbs was scrap, 300 lbs. punch, 8 lbs. was half-trim, and 4 1/4 lbs was full trim.). No further exploration is warranted. It is recommended that no certificate of discovery be issued.

Introduction

Location:

The Holland Prospects, Nos. 1 & 2, are 0.9 miles northwest of U. S. Highway No.23 on the northern side of Betty Branch, Greens Creek Quadrangle, Jackson County, N. C. (TVA.Quad., 1/24,000, 1941).

Prospect No. 1 is 1.25 airline miles N 88° W of the New Savannah Church on Highway 23 and No.2 is 1.25 airline miles N 82° W of the same church.

Conduct of Project and facilities

Work under the contract began March 19, 1956, at the No. 2 mine-March 22, 1956 at No. 1 mine. Work was completed May 22, 1956.

The Operator conducted both projects satisfactorily. He used an old automobile engine for hoisting at No. 2.

Facilities constructed were a toolhouse, powder magazine and an exploder magazine.

No equipment was purchased under the contract.

Present Workings

Work completed under the contract consisted of bulldozing to lower an existing cut 75 ft x 20 ft x 10 ft (550 cu. yds) for a good portal location, and driving 75 ft of adit on the pegmatite. A total of 107 ft of adit and crosscuts was driven. The Operator did the additional work at his own expense in driving a 15-ft crosscut in the "bulge" of the pegmatite, a 10 ft drift from the 68 ft point southward to intersect the crosscut and extending the drift for ? ft. (additional data gathered on May 21, 1956).

Mica Pegmatite

A 5-ft to 20-ft thick, mica-bearing, weathered soda-feldspar pegmatite, with discontinuous quartz stringers and inclusions of weathered biotite gneiss and schist, was followed for 82 feet. It is both conformable and disconformable with the country rock, strikes from N 20° W to N 65° W, and dips generally 85° NE to vertical. However, at the 82-foot point the hanging wall contact dips 65° NE.

Slickensides are in evidence throughout the drift, and are especially abundant near the 82-foot station.

About 600 pounds of "mine-run-block" ruby muscovite was recovered, and most of that came from a mica-rich zone that plunged northward about the 68 foot point. Although large (8 to 10 inches), the muscovite was generally of poor quality, being cracked, bent and stained. Approximately 200 pounds will sheet well.

The recovery factor for sheet will probably be very low. Perhaps 1% will sheet ? in. x ? in. sizes of flat and unstained muscovite.

Hollard No.2 Prospect

Present Workings

About 250 cu. yds. of material was removed to prepare a shaft site, and a vertical, 2-compartment 5' x 7' timbered shaft was sunk to a depth of 30 feet. (The SHAFT is 25-ft southeast of the lower adit portal). Having cut through the pegmatite at the 15-ft level, a crosscut was driven for 13-ft S 65° W from the 26-ft level, intersecting the 4-ft thick, zoned pegmatite at 9-ft in the crosscut. The pegmatite changed dip radically from the northeast to a steep southwest dip in the shaft and crosscut (see map).

From the end of the crosscut a drift was driven following both walls of the pegmatite about 25-ft N 30° W, thence 42-ft N 18° W. It was stulled with 6-in. oak timber and lagged overhead and on the sides where necessary in the weathered material.

Mica-Pegmatite and Country Rock

The zoned, mica-pegmatite averaged about 3.5 to 4 feet in thickness, with a 6-in. to 2.5 ft quartz core flanked by mica and feldspar. The general strike and dip is N 20° W and 70° SW.

When the shaft was spotted, it was believed that the pegmatite would continue to dip northeastward as shown in the old adits and exposures, but the dip reversed to southwest. The turn off at the 26-ft level was made in order not to lose the pegmatite at a greater depth.

Slickensides are evident in the weathered gneiss and schist. At the 30-ft point in the drift, the slickensides strike N 20° E and are horizontal, while at the 55-ft point they strike N 30° W and dip 35° NW.

About 400 pounds of "mine-run-block" muscovite, mostly ruby, was reported by the Operator to have been recovered from the shaft and drift. Some green muscovite was recovered near the 50-ft point in the drift adjacent to the quartz.

Most of the muscovite was bent, ruled, cracked and heavily mineral-stained. A very low recovery factor is anticipated after sheeting. Numerous zones of scrap mica (small sizes) were encountered.

Production - Both Prospects

Sales of 1850 pounds of scrap mica reported by Mr. Holland brought $27.74 (sold to the Franklin Mineral Products Co.).

Out of a total "mine-run-block" recovery of 400 pounds, the Operator reports that as of May 21, 1956 he had trimmed about 8 pounds of half-trim ruby mica, all sizes, and 4 1/4 pounds of full trim ruby mica (1 lb. may bring $40, the other 3 1/4 lbs are 1-in. wide clear ruby, flat and bent). He states that most of that already trimmed came from Prospect No. 1.

The total value of production under the contract is estimated to be about $200 (note: it is unknown how much mica the Operator has left to trim).

Conclusions and Recommendations

No significant reserves have been discovered at either mine. The mines have been thoroughly explored and warrant no further exploration. It is recommended that the Holland Prospects Nos. 1 and 2, not be certified as a discovery.

RECEIVED
JUL 2 - 1956

Expenditures

(a)	Total approved	$6,576.00
(b)	Total spent	5,830.00
(c)	Government's share of cost	4,372.49
(d)	Government's share unexpended	559.51
(e)	Value of production (esti)	200.00
(f)	Royalty to date	none

A. R. Taylor
A. R. Taylor, Geologist
Geological Survey

L. E. Shirley / by A. R. Taylor
L. E. Shirley, Mining Engineer
Bureau of Mines

June 27, 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JUN 25 1956

June 21, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V - Knoxville

Subject: Operator's Final Report - Idm-E931, DMEA-4023 (mica)
B. M. Holland No.2 Mine, Jackson County, N. C.

Transmitted are three copies of the subject report received from the Operator this morning.

T he Field Team's final report will be prepared in the next few days.

V. J. Lynch
V. J. Lynch

March 22nd. I drew a tunnell north 20° west 34.5 ft.; 14 feet north 65° west and then turned north 35° west for 13.5 feet which made a total of 81 feet which completed the contract. This is my final engineering report. I would like to thank you for your cooperation.

Sincerely
B. M. Halland

Franklin, N.C.
June 19, 1956

Department of the Interior
Defense Minerals
Exploration Administration
Room 13 Post Office Bldg.
Knoxville 2, Tenn.

RECEIVED
JUN 25 1956

Dear Sirs,

I started work at the Holland mine no. 2, March 19th. I sunk a shaft 26 ft, turned off with a tunnel, then sunk four more feet in shaft for bucket. I then drove 13 ft south 65° west, then turned 30° west and drove 67 ft and completed the contract at no. 2 mine. I got some mica at no. 2 mine. It was low grade mica and I didn't weigh it separate. I just let it go in with no one mica. I got about 300 lbs of mica from no. 2 mine. All of the mica that came out of the two mines was 1800 lbs. of scrap, 300 lbs of punch, 8 lbs of half trim and about 4¼ lbs of full trim.

I started work at no. 1 mine

June 21, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V - Knoxville

Subject: Operator's Final Report - Idm-E931, DMEA-4023 (mica)
G. M. Holland No.2 Mine, Jackson County, N. C.

Transmitted are three copies of the subject report received from the Operator this morning.

The Field Team's final report will be prepared in the next few days.

V. J. Lynch

ZM.
cc:
Shirley
Lynch
Files
Opr. Com.

March 22nd. I drove a tunnel north 20° west 34.5', 14' north 63° west, and then turned north 35° west for 13.5' which makes a total of 81' which completes the contract. This is my final engineering report. I would like to thank you for your co operation.

Sincerely,
E. M. Holland

Franklin, N.C.
June 19, 1956

Department of the Interior
Defense Minerals
Exploration Administration
Room 13 Post Office Bldg.
Knoxville 2, Tenn.

RECEIVED
JUN 25 1956

4023

Dear Sirs,

I started work at the Holland mine no. 2 on March 19th. I sunk a shaft 26 ft. turned off tunnell, then sunk four more feet in shaft for bucket. I then drove 13' south 65° west, then turned 30° west and drove 67' and completed the contract at no. 2 mine. I got some mica at no. 2 mine. It was low grade mica and I didn't weigh it separate. I just let it go with no. 1 mica. I got about 800 lbs of mica from no. 2 mine. All of the mica from the two mines was 1800 lbs. of scrap, 300 lbs of punch, 8 lbs of half trim, and 4¼ lbs of full trim.

I started work at no. 1 mine

ACTION ON INTERIM 4023
OR FINAL FIELD TEAM REPORT

Date 6-15

Referred to:

1. ~~Mr. Mittenthal~~
2. ~~Mr. Johnson~~
3. ~~Mr. Chambers~~
4. Docket Control Mails and Files
5. Division
6. Docket Control Mails and Files

Note comments in report regarding:

1. Finished!

2.

3.

4.

and take appropriate action.

- - - - - - - - -

Action taken by Division:

Robert E. Adams

RECEIVED
JUN 15 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, Gen'l Delivery, Franklin, N. C.

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 2 - This contract has been completed without making a worthwhile discovery of strategic mica. No additional exploration appears warranted, and based on the results from work completed under both phases of the contract, the Examiners do not recommend certification.

Work completed under this phase consisted of sinking 30 feet of vertical, 2 compartment shaft, and driving 80 feet of combined crosscut and drift. All of the drift work was accomplished in pegmatite striking N20°W and dipping 70° SW. The body was composed of a quartz core with an average thickness of 2½ feet flanked by feldspar-mica zones averaging 1½ feet thick.

The body was very rich in scrap quality mica at intervals in the drift. Much of the mica was wedge "A", badly cracked and contained varying amounts of stain. No further exploration is warranted on this prospect.

The work, as a whole, was conducted satisfactorily. The Operator was requested at the end to widen the last few feet of drift after completion of drift work, and he complied, in order to conform to contract terms. ?

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

A. R. Taylor
A. R. Taylor, Geologist
U. S. Geological Survey

June 4, 1956

RECEIVED
MAY 31 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, General Delivery, Franklin, North Carolina

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N. C.

Holland No. 2 - Drifting has been in progress on this contract and is nearing completion. Thirteen feet of crosscut, and 65.5 feet of drift has been completed to date. The Operator was advised to complete the remaining 1.5 feet of drift under contract and to widen the drift area from 3.5 feet to 5 feet from the 62.5 foot point in the drift to the present face, in order to comply with the terms of the contract. No change was noted in material encountered or mica recovery.

A final visit will be made to the mine in the near future.

L. E. Shirley

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

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

May 21, 1956

RECEIVED
MAY 18 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

Operator: B. M. Holland, General Delivery, Granklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N. C.

Holland No. 1 - All work as outlined under this section of the contract has been completed on this prospect. A tool house and magazines were built to serve both prospects No's 1 and 2. An existing open cut was deepened requiring the removal of approximately 550 cubic yards of material to improve an entry or portal site for adit work. A drift totaling 82 feet was driven, which followed the strike of the pegmatite. The last 7 feet of the drift was conducted at the operators own expense in an effort to produce additional strategic mica. Fifty-four and one-half feet was driven N20°W, 14 feet N65°W, and the remaining 13.5 feet was driven N30°W. Sporadic mica was produced throughout the drift. At 68 feet in the drift a rich zone of mica was encountered which appeared to plunge to the nathwest. Practically all of the mica recovered was "wavey" or bent. Some of it contained stain but the majority was predominantly clear, hard mica. About 600 pounds of "mine-run" black was produced from contract work. Certification of the contract is not recommended. The operator does not indicate that any additional work will be attempted at his own expense.

Holland No. 2 - Drifting continues on this contract and now totals 60 feet; all crosscut and drift footage now totals 73 feet with 7 feet of drift remaining to be driven under contract. The operator was advised to continue the drift to the northwest in an effort to produce strategic mica.

The last 35 feet of drift has been driven in a N18°W direction and work has followed a body striking N20°W, and dipping 70°SW to near vertical. The pegmatite is composed of a quartz core about 2-1/2 feet thick, flanked by feldspar-mica zones 1-1/2 feet thick on the footwall side and 1 to 2 feet thick on the hanging wall side. The feldspar is kaolinized and weathering has been severe at the contact with country rock. About 400 pounds of "mine-run" block mica has been produced from all work completed to date on this prospect. Much of this mica is bent and contains various staining. Recent mica recovered has shown improvement in quality.

The operator was advised to continue necessary timbering. Progress on this contract is satisfactory.

L. E. Shirley

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

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

May 7, 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

OPERATOR: B. M. Holland, Gen'l Delivery, Franklin, N. C.

LOCATION: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 1 - Drifting continues in this adit and now totals 58 feet; 17 feet remains to be driven under contract. Thirty-two feet have been driven N20°W, 22 feet N5°W and 4 feet N45°W. All work has been conducted in pegmatite composed of kaolinized feldspar containing varying amounts of quartz as ribs or disseminated small pieces, and clear muscovite mica. Some biotite-muscovite intergrowth has been noted in the last few feet. About 500 pounds of "mine-run" block has been recovered from all work completed, much of this, however, is bent badly. The Operator was advised to continue drifting in an effort to produce strategic mica.

Holland No. 2 - Shaft sinking has been completed to a total depth of 30 feet. Turnoff has been made in a S65°W direction from the 26 ft. level and 13 feet of crosscut has been driven, intercepting the pegmatite at 9 feet in the crosscut. A drift has been driven for a distance of 29 feet in a N30°W direction, following the strike of a body which dips 70°SW. The body is composed of kaolinized feldspar and mica flanking a 12 inch quartz core. The Operator was advised to continue the drift in the present direction.

Suggestions were made concerning necessary timber in the drift. Progress on this contract is satisfactory.

L. E. Shirley

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

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

RECEIVED
MAY 3 - 1956

April 23, 1956

RECEIVED
APR 10 1956

INTERIM REPORT

DMEA-4023, Idm-F931 (mica) HOLLAND PROS. Nos. 1 and 2

Operator: B. M. Holland, General Delivery, Franklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No. 23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson Co., N. C.

Holland No. 1 - Drifting continues to the northwest in this adit and now totals 25 feet. Material encountered is kaolinized feldspar, quartz ribs, and occasional masses of quartz in the floor area and medium sized blocks of muscovite mica, much of which contains a kaolin stain and is bent badly. The Operator was advised to continue drifting in the present direction in an effort to produce strategic mica.

Holland No. 2 - Shaft sinking continues on this contract and is now at 25 feet. The pegmatite began dipping out of the shaft to the southwest at about 15 feet, and has not been exposed from that point to the present bottom. A test hole on the southwest side of the shaft encountered pegmatite at a horizontal distance of 12 feet. The Operator was advised to continue sinking to a total depth of 30 feet, floor the shaft at 25 feet, drive a crosscut over to pegmatite, and start drifting to the northwest. Recent progress has been satisfactory on this contract.

L. E. Shirley

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

A. R. Taylor

A. R. Taylor, Geologist
U. S. Geological Survey

April 9, 1956

RECEIVED
APR 9 - 1956

INTERIM REPORT

DMEA-4023, Idm-E931 (mica) HOLLAND PROS. Nos. 1 and 2

Operator: B. M. Holland, Gen'l Delivery, Franklin, N. C.

Location: 0.9 mile northwest of U. S. Highway No.23 on the north side of Bettys Creek, Greens Creek Quadrangle, Jackson County, N.C.

Holland No.1 has completed the bulldozing and cut 6 feet of adit. The partially weathered pegmatite contains disseminated quartz, kaolinized feldspar and clay stained muscovite.

Holland No.2, has completed the bulldozing and 15 feet of shaft. The shaft is still in the weathered zone but is hard enough to require blasting.

Progress is satisfactory.

Inspected: March 29, 1956

A. L. Peyton

A. L. Peyton, Mining Engineer
Bureau of Mines

A. R. Taylor, Geologist
Geological Survey

z

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 25, POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
MAR 22 1956

March 20, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V - Knoxville

Subject: Signed Contract - Idm-E931, DMEA-4023, B. M. Holland. Holland Prospects Nos. 1 and 2. Jackson County, N. C.

Transmitted are three signed contracts on the subject Prospects. The usual distribution of the other copies have been made.

V. J. Lynch

V. J. Lynch

DOCKET COPY
Surname:

Tofman
Houk
Chandler
Selfridge
Johnson
Rutherford

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

600

MAR 13 1956

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

Re: Docket No. DMEA-4023-Mica
B. M. Holland
Holland No. 1 and Holland No. 2
Prospects
Jackson County, North Carolina

Dear Mr. Laurence:

Enclosed are the original and five copies of a proposed contract which have been signed by the Administrator for the Government with effective date as shown. Attachments to the contract are Annex I, "Exhibit A" (2 pages) and three maps of the Holland Prospects. Two extra copies of "Exhibit A" are enclosed for the use of the Field Team. Please advise the Operator that his application docketed under DMEA-4024 has been withdrawn and consolidated with application DMEA-4023.

If the proposed contract meets with your approval, present it to the Applicant for execution. Please explain to the Applicant that the contract is a firm commitment to complete the work outlined at the agreed cost. Copies of the executed contract are to be distributed in the usual manner.

If any part of this proposed contract does not have either your approval or that of the Applicant, and cannot be amended within your delegated authority, then the original and all copies of the contract and the two extra copies of "Exhibit A" are to be returned to this office, together with the proposed changes for consideration.

Copies of memoranda dated December 23, 1955, by Mr. W. F. Dietrich, USBM, and Mr. N. E. Nelson, USGS, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GHB)

PS: Application indicates applicant will furnish equipment as a contribution toward his share of costs. Costs are, therefore, based on a "use allowance" of this equipment instead of rentals as shown in Field Team's proposal.

Approved:

/s/ Robert W. Geehan (GHB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GHB)
Member, Geological Survey

Enclosures: 12

JHCFKINS:ms 3/6/56
Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins
Admr. R. File

Holland No. 1 Prospect

5. With a model D-8 or equivalent size bulldozer excavate floor of existing cut to deepen and improve entry. This work will involve making a cut 75 feet by 20 feet by 10 feet to remove approximately 550 cubic yards of rock.

6. Drive 75 feet of adit-drift and/or crosscut having minimum cross-sectional dimensions of 5 feet by 7 feet in the clear of timber.

All work shall be timbered as necessary.

The location, direction, inclination and extent of all work shall be subject to the approval of the Government.

Fixed Unit Costs

Holland No. 2 Prospect

1.	Preparation of shaft site	
	Bulldozing ~~10 hours @ $10.00/hr.~~ 250 cu yds @ 0.40 cubic yd	$ 100.00
2.	Construct	
	Toolhouse	75.00
	Powder Magazine	25.00
	Exploder Magazine	16.00
3.	Sink 50 feet of shaft @ $37.30/ft.	1,865.00
4.	Drive 80 feet of drift and/or crosscut @ $30.00/ft.	2,400.00

Holland No. 1 Prospect

5.	Excavate trench approximately 75 feet by 20 feet by 10 feet 550 cubic yards @ $0.40 cu. yd.	220.00	
6.	Drive 75 feet of adit-drift and/or crosscut @ $25.00/ft.	1,875.00	
	Estimated Total Cost of Project		$6,576.00
	Government Participation @ 75%		$4,932.00

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

RECEIVED
FEB 27 1956

February 23, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Acting Executive Officer, DMEA - Region V

Subject: Docket No. DMEA-4023 - B. M. Holland, Holland Prospect Nos. 1 & 2. Jackson County, North Carolina

Reference is made to your letter of February 21, requesting information and maps pertaining to subject contract which were referred to in your letter of January 10.

A reply to your letter of January 10, with 13 additional copies of each of the maps, were forwarded to you January 27. Copy of transmittal letter attached.

If you have not received the letter and maps, please let us know and duplicate will be forwarded at once.

V. J. Lynch

V. J. Lynch,

DOCKET COPY
Surname:

Hopkins
Houk
Williams
Martin
Johnson
Mitchenoff

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

FEB 21 1956

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

Re: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland No. 1 and
Holland No. 2 Prospects
Jackson County, North Carolina

Dear Mr. Laurence:

Reference is made to our letter dated January 10, 1956 requesting two new sets of maps and any additional data you may have acquired on these two prospects.

We will greatly appreciate receiving this new material as early as possible so that we may continue processing the two applications that have been consolidated and docketed under DMEA No. 4023.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (JHB)

Approved:

/s/ Robert W. Geehan (JHB)
Member, Bureau of Mines

W. P. Williams (JHB)
Member, Geological Survey

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.L.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 20 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
JAN 30 1956

January 27, 1956

Memorandum

To: Operating Committee, DMEA - Washington

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

Subject: DMEA-4023 and 4024 (mica) B. M. Holland
Holland No.1 and Holland No.2, Jackson County, N. C.

Reference is made to your letter of January 10, 1956.

We are enclosing herewith 13 additional copies of each of the 20-scale maps. The original 200-scale map is adequate, but it should be noted that the 10-foot contour at No. 1 Prospect was not numbered; this should be corrected and the 10, 20, and 30 contours as shown should be changed to 20, 30, and 40. Zero at each prospect is a different datum.

Most of the questions raised in paragraphs 2 and 3 of your letter were discussed with you, and with Mr. Houk and his staff, at considerable length when Mr. Laurence was in Washington two weeks ago. Therefore, only brief reply seems needed here.

Topographic and geologic data will be presented, as completely and accurately as is practical, on maps submitted with future reports, and colors will be used where emphasis is needed.

We disagree with the assumption in your third paragraph. In our opinion, Mr. Holland has done enough preliminary work to show that a favorable enviroment for strategic mica exists. If enough work had been done to determine quantitative data on the occurrence of strategic mica, it is probable that further exploration would be unnecessary. Wherever quantitative data are available - usually only where past production records exist - they will be included in the reports, but in cases like the Holland Prospect, descriptive terms are all that the examiners are justified in using.

The proposal to deepen the existing cut at the Holland No. 1 was made because of the extremely soft weathered condition of the pegmatite and country rock, so as to increase the cover over the workings, as well as getting down to firmer material.

V. J. Lynch, Member
Bureau of Mines

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

600

January 25, 1956

Memorandum:

To: Robert E. Adams, Chief
Operations Control and Statistics Division

From: Nonmetallic Minerals Division

Subject: Withdrawal of application Docket No. DMEA-4024 to consolidate with Docket No. DMEA-4023

The applicant, B. M. Holland filed separate applications for exploration assistance on Holland No. 1 and Holland No. 2 prospects which are located on the same tract of land.

The Field Team has recommended that the two applications be combined under a single docket number, and a single unit cost contract prepared to provide for work outlined in their reports on these two prospects.

The Nonmetallic Minerals Divisions concurs in the Field Team's recommendation. Accordingly, Docket No. DMEA-4024 is withdrawn and combined with Docket No. DMEA-4023.

James Hopkins
Nonmetallic Minerals
Division

J Hopkins:ms 1/25/56
Copy to: Admr. R. File
Mr. Houk
Mr. Hopkins

Docket Copy
Surname:

Hopkins
Houk
Selfridge
Hopkins
McCandless

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

JAN 10 1956

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

Subject: Dockets Nos. DMEA-4023
and DMEA-4024 - Mica
B. M. Holland
Holland No. 1 and
Holland No. 2 Prospects
Jackson County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Team Report dated November 18, 1955, recommending a single unit-cost contract to provide for the work outlined in the report at these two prospects.

In our review of the data submitted by the Field Team we find that we are greatly handicapped because of the lack of contours and legends on the individual maps and inadequate descriptions of the pegmatites to be explored. The use of the words "good", "abundant" and "nominal" to indicate quantities of mica observed in the pegmatites are not very useful to us in our effort to appraise the probability of making a significant discovery. The absence of contours on the maps also adds to our difficulty of visualizing the advantages to be gained by deepening an existing 20-foot cut by bulldozing for a portal site.

We are inclined to believe that the meager amount of information given in the reports indicates that there probably has been insufficient work done on the pegmatites to justify appraisement as favorable exploration targets. Please let us have your comments on this.

We will greatly appreciate any additional data you may have that would add greater weight to your recommendation. Please prepare and submit two new sets of maps showing topography and all geological data.

If exploration work is finally approved we will plan to consolidate the work in a single contract.

Approved:

/s/ Robert W. Geehan (GWB)
Member, Bureau of Mines

Thor H. Kiilsgaard (GWB)
Member, Geological Survey

Sincerely yours,

George C. Selfridge (GWB)
Chairman, Operating Committee

JHopkins:gad 1/6/56
Copy to: Admr. R. File Docket
Operating Committee Mr. Houk
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hopkins

RCD

Docket Copy
Surname:

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

JAN 1 0 1956

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

Subject: Dockets Nos. DMEA-4023 and DMEA-4024 - Mica
B. M. Holland
Holland No. 1 and
Holland No. 2 Prospects
Jackson County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Team Report dated November 18, 1955, recommending a single unit-cost contract to provide for the work outlined in the report at these two prospects.

In our review of the data submitted by the Field Team we find that we are greatly handicapped because of the lack of contours and legends on the individual maps and inadequate descriptions of the pegmatites to be explored. The use of the words "good", "abundant" and "nominal" to indicate quantities of mica observed in the pegmatites are not very useful to us in our effort to appraise the probability of making a significant discovery. The absence of contours on the maps also adds to our difficulty of visualizing the advantages to be gained by deepening an existing 20-foot cut by bulldozing for a portal site.

We are inclined to believe that the meager amount of information given in the reports indicates that there probably has been insufficient work done on the pegmatites to justify appraisement as favorable exploration targets. Please let us have your comments on this.

We will greatly appreciate any additional data you may have that would add greater weight to your recommendation. Please prepare and submit two new sets of maps showing topography and all geological data.

If exploration work is finally approved we will plan to consolidate the work in a single contract.

Approved:

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

Thor H. Kiilsgaard
Member, Geological Survey

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

JHopkins:gad 1/6/56
Copy to: Admr. R. File Docket
Operating Committee Mr. Houk
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Hopkins

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

RECEIVED
DEC 23 1955

December 23, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4023-24 (mica)

Applicant: B. M. Holland

Name and Location of Property: Holland Prospects Nos. 1 & 2, Jackson Co., N.C.

Date of Field Team Report: 11/18/55

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 12/22/55

Field Team Recommendation: Recommend a single, unit-cost, staged exploration program for both applications.

Comments:

1. Applications 4023 and 4024 cover prospects on the same tract of land and should be combined into one project.

2. Ruby mica was observed at both prospects.

3. These prospects appear to have possibilities for the development of strategic mica, and both present adequate exploration targets.

Recommendation: I concur with the field team's recommendation for an exploration program at an estimated cost of $12,555, with the work to be done under a unit-cost contract.

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

RECEIVED
DEC 28 1955

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

December 23, 1955

Re: DMEA 4023
Beulon Holland
Holland prospects
Jackson County, N.C.
Mica

Memorandum

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

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

Subject: Review of Field Team Report.

Separate applications, 4023 and 4024, were filed asking assistance in exploring two pegmatites. The examiners and Field Team recommend approval of one contract covering the two applications as the prospects are on the same land tract. No. 2 prospect would be the scene of the first work, as:

	Cost
Bulldozing 10 hours	$100.00
Sinking 50 feet	2,150.00
Buildings	115.00
Drive 80 feet drift or crosscut	2,775.00
Total	$5,140.00

Work on the No. 1 prospect is outlined as:

Bulldozing 550 yds. at 40¢	$220.00
Drive adit 75'	2,055.00
Total	$2,255.00

Total estimated costs at No. 1 and No. 2 prospects	$7,415.00

Abundant mica was seen at the No. 2 prospect, at No. 1, occasional 3 to 4-inch books of hard, light ruby mica occur in place.

I concur with the recommendation of the Field Team that a single contract be approved.

N. E. Nelson

N. E. Nelson

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

RECEIVED
DEC 19 1955

December 16, 1955

Memorandum

To: Operating Committee, DMEA, Washington 25, D. C.

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

Subject: Field Examination Report, DMEA-4023 and DMEA-4024 (Mica)
Beulon Holland, Franklin, North Carolina
Holland No. 1 and No. 2 Prospects, Jackson County, N. C.

Enclosed are four copies of the subject report and nine extra copies of each of the maps.

We recommend approval of a single unit-cost contract to provide for the work outlined in the report at these two prospects.

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

Wm A Beck
Wm. A. Beck, Acting Member
Bureau of Mines

Enclosures 5

Reviewed by
DMEA OPERATING COMMITTEE
12-23-55
(date)

RECEIVED
DEC 19 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXAMINATION REPORT BY FIELD TEAM, REGION V

On

DMEA-4024 and DMEA-4023 (mica)

The HOLLAND No. 1 and No. 2 PROSPECTS
Jackson County, N. C.

BY

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

and

Lawrence E. Shirley, Mining Engineer
Bureau of Mines

November 18, 1955

Reviewed by
DMEA OPERATING COMMITTEE
12-23-55
(date)

RECEIVED
DEC 19 1955

FIELD EXAMINATION REPORT
On

DMEA-4024 and DMEA-4023 (mica)

THE HOLLAND No.1 and No. 2 PROSPECTS

Applicants: B. M. Holland, General Delivery, Franklin, North Carolina

The Holland No. 1 and No. 2 prospects are on the same tract of land, and although the applicant filed separate applications, it is recommended that the two be combined under a single docket number, and if approved, a single contract be issued. The two prospects are described separately in this report.

It is recommended that work should begin at the Holland No. 2 Prospect, to be followed by No. 1.

Holland No. 2 Prospect:

Some fairly good size flat 'A' ruby mica occurs in a 5 to 10-foot pegmatite, which has been explored at various times back to 50 years ago by a crosscutting bulldozer trench and two shallow 18 and 30 foot adits (see map). The size of target, plus the presence of some strategic mica ? gives the examiners reason to recommend this prospect for DMEA assistance.

The property was examined November 18, 1955 by the field team accompanied by the applicant, Mr. B. M. Holland who is also the property owner.

The pegmatite is 650 feet N. 13° E from the Holland No. 1 prospect on the same property. It has an attitude of N. 30° W., 65 to 80° NE, roughly parallel to the Holland No. 1 pegmatite. The prospect is just north of Bettys Branch, 0.89 miles NW of U. S. Highway 23, about 11 miles by road NE of Franklin, Macon County, North Carolina, on the Greens Creek Quadrangle (1941 - 1/24,000). The property is in Jackson County, North Carolina.

The pegmatite is 5 to 10 feet in thickness and exhibits a good 1 to 2-foot quartz core. Abundant mica was seen in place, some was slightly bent and some badly ruled. There was a slight biotite staining on the mica sheet edges.

Work recommended by the examiners includes approximately 10 hours of bulldozing to clean up the proposed shaft site. Exploration recommended was 50 feet of shaft and 80 feet of drift and/or crosscut.

Estimated Costs:

Bulldozing to clean up shaft site - 10 hrs. @ $10/hr. $100.00

Toolhouse	75.00
Powder Magazine	25.00
Exploder Magazine	15.00

(These items to be used on Pros. 1 and 2)

Sink 50 feet of 5' x 7', two compartment shaft (30 shifts)

Labor:	1 - Miner @ $1.50/hr.	$360.00
	1 - Hoistman @ $1.25/hr.	300.00
	1 - Laborer @ $1.00/hr.	240.00
		900.00

Equipment (rental)

Compressor & drill @ $230/Mo.	345.00
Hoist @ $50/Mo.	75.00
Pump @ $20/Mo.	30.00

Supplies:

Explosives	170.00	
Drill steel	90.00	
Gasoline and oil	105.00	
Timber, 1500 b. f. @ $65/M	95.00	
Small tools, pipe, etc.	100.00	
Miscellaneous	110.00	
Insurance	90.00 } = 12%	
Social Security	20.00 }	
Sales tax	20.00	$2,150.00

Drive 80 feet of drift and/or crosscut
(35 shifts)

Labor:

1 - Miner @ $1.50/hr.	420.00
1 - Hoistman @ $1.25/hr.	350.00
2 - Laborers @ $1.00/hr.	560.00
	1330.00

Equipment (rental)

Compressor, drill and Jackleg @ $250/Mo.	440.00
Hoist @ $50/Mo.	90.00
Pump @ $20/Mo.	35.00

Supplies:

Explosives	$250.00	
Drill steel	120.00	
Gasoline and oil	150.00	
Small tools, pipe, etc.	90.00	
Miscellaneous	125.00	
Insurance	105.00	= 9.4%
Social Security	20.00	
Sales Tax	20.00	$2,775.00

Estimated cost of Prospect No. 2..... $5,140.00

Holland No. 1 Prospect:

The Holland No. i is a freshly bulldozed cut on a previously unexplored 10-foot wide pegmatite. A nominal amount of good hard, light ruby muscovite in place, recommends this prospect for DMEA ? assistance.

The property was visited November 18, 1955. The examiners were accompanied by the applicant and property owner, Mr. B. M. Holland.

Holland No. 1 is immediately north of a small feeder of Bettys Creek, 0.86 miles NW of U. S. Highway 23 along Bettys Creek on the Greens Creek Quadrangle (1941 - 1/24,000). It is in Jackson County, approximately eleven miles by road NE of Franklin, North Carolina.

The pegmatite strikes N. 20-25° W., dips 85° NE and is conformable to highly weathered gneissic country rock. Highly kaolinized potash feldspars occur intermingled with thin discontinuous quartz stringers. Occasional 3 to 4 inch books of hard, light ruby muscovite occur in place. Some mica is slightly bent and rarely mineral stained.

The recommended program consists of deepening the existing 20-foot deep hillside cut 10 feet or as deep as possible by bulldozing. It is then recommended to drive 75 feet of adit, drift and/or crosscut.

Estimated Costs of Holland No. 1:

Bulldozing floor of cut to deepen and improve entry 75' x 20' x 10' = 550 cu. yds. @ 40¢ per yd. $220.00

Drive 75 feet of adit - drift and/or crosscut (30 shifts)

Labor:

1 - Miner @ $1.50/hr.	$360.00	
2 - Laborers @ $1.00/hr.	480.00	
	840	

Equipment (rental)

Compressor, drill & Jackleg @ $250/Mo.	375.00	

Supplies:

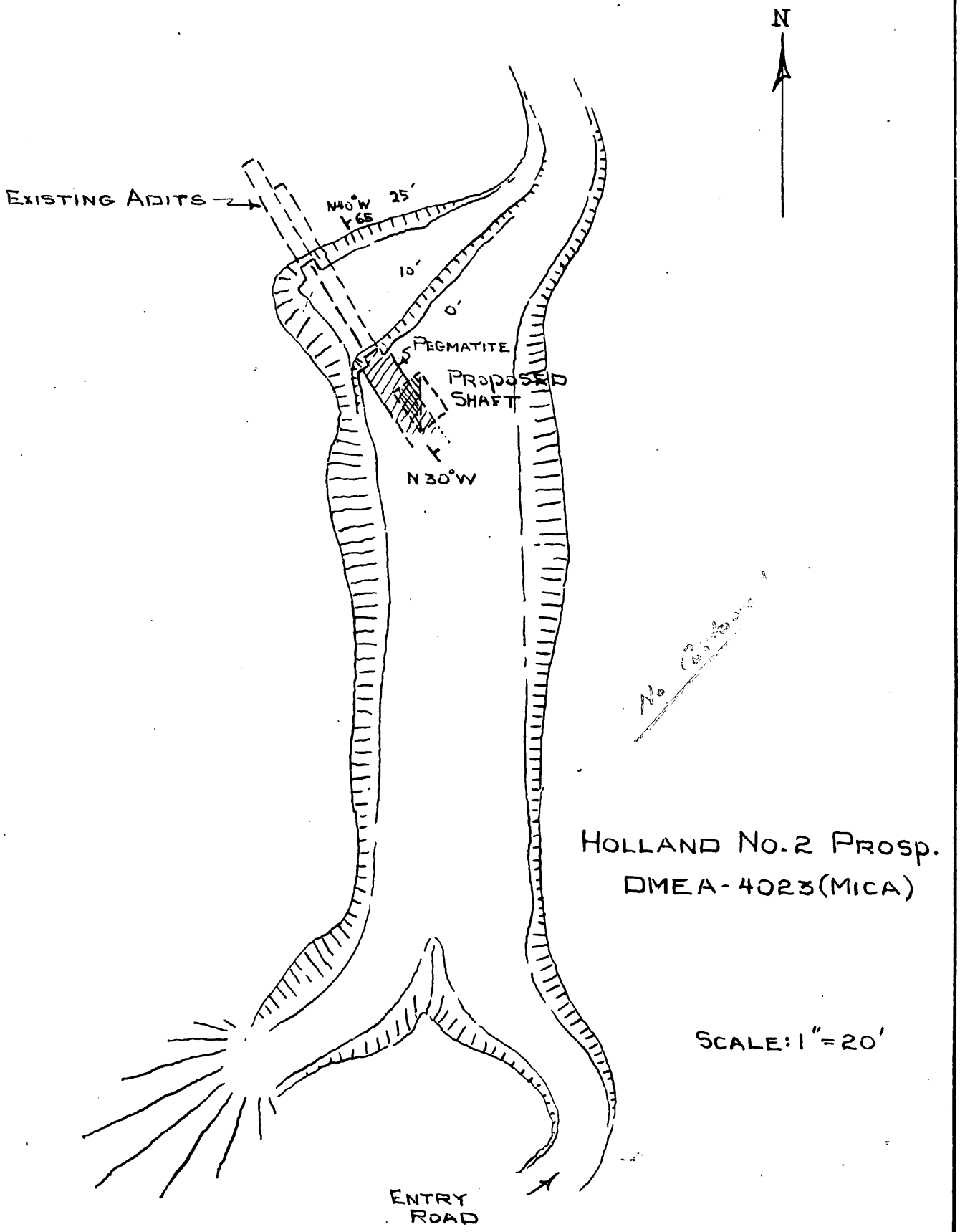
Explosives	230.00	
Drill steel	110.00	
Gasoline and oil	140.00	
Timber, 500 b.f. @ $65/M	35.00	
Small tools, pipe, etc.	85.00	
Miscellaneous	120.00	
Insurance	85.00 } 11.99%	
Social Security	15.00 }	
Sales Tax	20.00	$2,055.00
Estimated cost of Prospect No. 1		$2,275.00
Total estimated cost of Prospects 1 and 2		$7,415.00

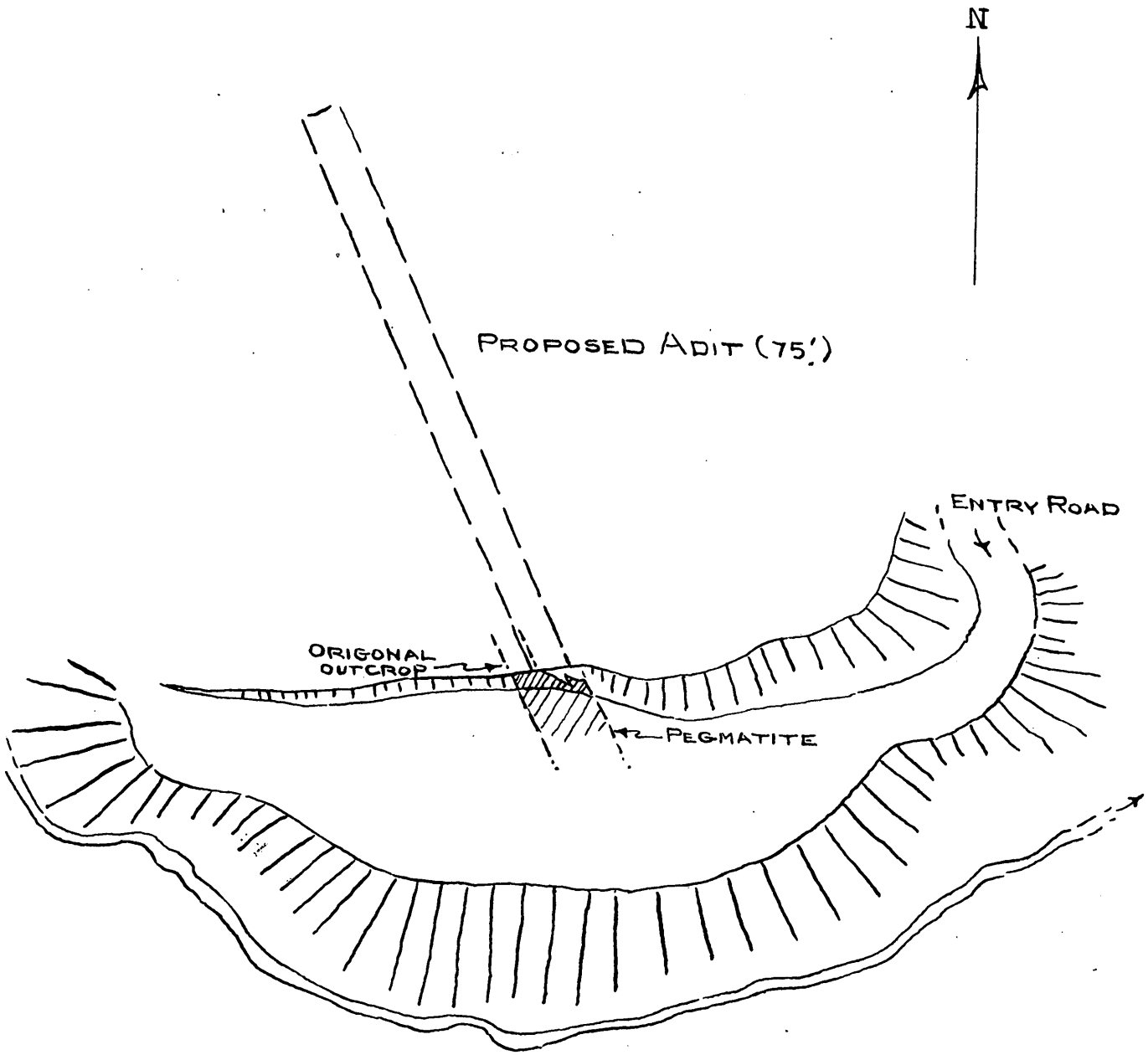
Examined: Nov. 18, 1955

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

and

Lawrence E. Shirley, Mining Engineer
Bureau of Mines


N
EXISTING ADITS
N40°W
65
25'
10'
0'
PEGMATITE
PROPOSED SHAFT
N 30°W
ENTRY ROAD
HOLLAND NO. 2 PROSP.
DMEA-4023(MICA)
SCALE: 1" = 20'
12/53 SCB



HOLLAND No. 1 PROSPECT
DMEA-4024 (MICA)

SCALE: 1" = 20'

12/55 SCB

DESCRIPTION OF B. M. HOLLAND LAND

B. M. HOLLAND

FRANKLIN, NORTH CAROLINA

RECEIVED
DEC 19 1955

BEGINNING at locust near a gap in a mountain, runs S. 66 W. 60 poles to a chestnut, thence the same direction to a stake in N. P. Jones line, thence W. with said Jones line, to a large chestnut on the bank of a branch; thence down said branch, or its meanders to a stake near a large chestnut, near W. B. Gribble old barn, thence Southward to said chestnut, thence with a conditional line Southward to a forked chestnut, near the road, thence Southward direction crossing said road and up a small ridge, to the top of the main ridge, to a stake, thence up main ridge as its meanders, to a stake, in W. B. Gribble back line, thence North to a stake S. 65 E. 115 poles to the BEGINNING, Containing 100 acres more or less.

BEING AND COMPREHENDING the same lands and premises described in and conveyed by a deed dated January 8, 1953, from Harrison Cowan and wife, Eva A. Cowan, to R. V. McMahan, et al, which deed is duly recorded in Jackson County Register of Deeds Office. Deed Book 200 at Page 16, to which reference is hereby had.

This information only used on Contract Form

Annex I was prepared by using the "Calls" shown on Field Team's "Plat of Holland Property."

DESCRIPTION OF B. M. HOLLAND LAND

B. M. HOLLAND

FRANKLIN, NORTH CAROLINA

DEC 19 1936

BEGINNING at locust near a gap in a mountain, runs S. 66 W. 30 poles to a chestnut, thence the same direction to a stake in M. P. Jones line, thence W. with said Jones line, to a large chestnut on the bank of a branch; thence down said branch, or its meanders to a stake near a large chestnut, near W. B. Dribble old barn, thence southward to said chestnut, thence with a conditional line Southward to a forked chestnut, near the road, thence Southward direction crossing said road and up a small ridge, to the top of the main ridge, to a stake, thence up main ridge as its meanders, to a stake, in W. B. Dribble back line, thence North to a stake S. 65 E. 115 poles to the BEGINNING, Containing 100 acres more or less.

BEING AND CONTAINING the same lands and premises described in and conveyed by a deed dated January 8, 1923, from Harrison Cowan and wife, Eva A. Cowan, to R. V. McMahan, et al, which deed is duly recorded in Jackson County Register of Deeds Office. Deed Book 200 at Page 16, to which reference is hereby had.

Docket Copy
Surname:

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

600

OCT 28 1955

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

Subject: Docket No. DMEA-4024 - Mica
B. M. Holland
Holland Prospect No. 1
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 October 20 and 21, 1955, by W. F. Dietrich, USBM, and H. E. Nelson, USGS, respectively, relating to the project are enclosed.

If surface excavations are recommended for the proposed trenching and shaft site, detailed estimated costs for this work should be reported as costs per cubic yard in lieu of hours and cost of tractor or manual labor time.

Holland Prospect No. 1 and Holland Prospect No. 2 appear to be two separate pegmatite located on a 100-acre tract of land owned by Mr. B. M. Holland. If the examiners determine during the field examination that both prospects warrant exploration work, it is suggested that the feasibility of combining the work under one contract be considered and discussed with the applicant. However, if a contract is recommended for Prospect No. 1 alone, please request the applicant to furnish a description of the 10-acre tract by metes and bounds referenced to a permanent landmark. If your office recommends an exploration program approved by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property line.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:
/s/ Robert W. Geeham (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

Enclosures 4

R.C.L.

Docket Copy
Surname:

Hopkins
Stevens
Selfridge
Johnson

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

OCT 28 1955

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

Subject: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland Prospect No. 2
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 October 20, and 21, 1955, by W. F. Dietrich, USBM, and N. E. Nelson, USGS, respectively, relating to the project are enclosed.

If surface excavations are recommended for the proposed trenching and shaft site, detailed estimated costs for this work should be reported as costs per cubic yard in lieu of hours and cost of tractor or manual labor time.

Holland Prospect No. 1 and Holland Prospect No. 2 appear to be two separate prospects located on a 100-acre tract of land owned by Mr. B. M. Holland. If the examiners determine during the field examination that both prospects warrant exploration work, it is suggested that the feasibility of combining the work under one contract be considered and discussed with the applicant. However, if a contract is recommended for Prospect No. 2 alone, please request the applicant to increase the size of the tract to approximately five acres and furnish a description of the tract by metes and bounds referenced to a permanent landmark. If your office recommends an exploration program as submitted or revised by the applicant, please furnish the necessary information to draft a contract. In this connection we will require nine copies of a map showing the proposed work and pegmatite exposures in relation to the property line.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Approved:

/s/ Robert W. Geehan (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

Enclosures 4

Docket Copy
Surname:

Phillips
F/L Kinsence
Kiilsgaard
Gelhan
Selfridge

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

Mr. B. M. Holland
General Delivery
Franklin, North Carolina

OCT 28 1955

Re: Docket No. DMEA-4024 - Mica
B. M. Holland
Holland Prospect No. 1
Macon County, North Carolina

Dear Mr. Holland:

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,

Frank E. Johnson

Acting Administrator

JHopkins:gad 10/27/55
Copy to: Admr. R. File
Docket
Field Team, Region V
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

R.C.L.

Docket Copy
Surname:

Hopkins
J L Kinsman
Kilsgaard
Geehan
Selfridge

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

OCT 28 1955

Mr. B. M. Holland
General Delivery
Franklin, North Carolina

Re: Docket No. DMEA-4023 - Mica
B. M. Holland
Holland Prospect No. 2
Macon County, North Carolina

Dear Mr. Holland:

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,

Frank E. Johnson

Acting Administrator

JHopkins:gad 10/28/55
Copy to: Admr. R. File
Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Mr. Hopkins

RCB.

IN REPLY REFER TO:

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

RECEIVED
OCT 21 1955

October 21, 1955

Re: DMEA 4024
B. M. Holland
Holland No. 2 prospect
Macon Co., N. C.
$2,220 - Mica

Memorandum

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

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

Subject: Review of application.

This application pertains to a property probably in the vicinity of the subject of application DMEA 4023, of the same person.

Some mica was recovered in bulldozing the sidehill outcrop. Such information suggests a staged project involving bulldozing and an adit on the vein is warranted.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
OCT 21 1955

October 21, 1955

Re: DMEA 4023
B. M. Holland
Holland prospect
Macon Co., N. C.
$4,410 - Mica

Memorandum

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

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

Subject: Review of application.

The applicant considers the type of pegmatite exposed indicative of mica at depth. At any rate bulldozing has been done and enough pegmatite may have been uncovered to permit an appraisal of the probabilities.

A staged work program, including a thorough stripping, may be warranted.

Referral to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

October 20, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4024 (mica)

Applicant: B. M. Holland

Name and Location of Property: _____ North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/19/55

Comments:

1. No data available in this office on this property and there is insufficient information given in the application to assist a preliminary appraisal.

2. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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

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

October 20, 1955

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4023 (mica)

Applicant: B. M. Holland

Name and Location of Property: _____ North Carolina

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/19/55

Comments:

1. The area to be explored is only 3 acres and additional acreage should be included in the application if possible.

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

3. Although it would be desirable for the applicant to furnish more complete information, it appears that a visit by an examiner would furnish more useful data.

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

October 19, 1955

Subject: DMEA-4024
Re: Mine No. 1

B.M. Holland
General Dilivery
Franklin, N.C.

Dear Sir:

The receipt of your application dated October 15, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4024 and referred to the Non-Mettalic 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

October 19, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-4024 B.M. Holland (Mine No. 1)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

WASHINGTON 25, D.C.

RECEIVED
OCT 1 0 1955

October 17, 1955

4024

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Applications from B. M. Holland, Franklin, N. C.
Holland Prospect No.1, Jackson County, N. C. (mica)
Holland Prospect No.2, Jackson County, N.C. (mica)

Enclosed are three copies each of two applications received heretoday. We are keeping the fourth copies for our use.

Although the applicant states that these prospects are in Macon County, it is probable that they are actually in Jackson County. This description indicates that they are on the same Betty's Creek as Bettys Creek Mine No. 3 (DMEA-3188) which is in Jackson County.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

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

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED OCT 19 1955

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. 4029
Metal or Mineral Mica
Date Received 10-19-55
Estimated Cost 2,220.
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: B. M. Holland, General Delivery, Franklin, 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: SEE ATTACHED SUPPLEMENT

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

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

(*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.

RECEIVED
OCT 17 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Strategic Ruby 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 30 days and be completed within 4 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

[ ] Money [X] Use of equipment owned by you [X] Other (Labor)

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 October 14, 1955

B M Holland
(Applicant)

By

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

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

SUPPLEMENT TO MF-103
B. M. Holland
General Delivery
Franklin, N. C.
October 14, 1955

3a: BEGINNING at a stake on the bank of a small branch in the line common to Jones and Holland, runs up said branch as it meanders to the government line; thence with the government line with its various courses and distances to a point in said line in the middle of Betties Creek, thence down Betties Creek to the B. M. Holland Road, thence down said road to the corner common to Jones, thence with the line common to Jones and Holland to the BEGINNING CORNER, Containing 10 acres more or less.

4a: No former operations on subject property, except for several hours of bulldozing by applicant.

4b: No past or current production except for several blocks of mica recovered in bulldozing set out in 4a.

4c: Bulldozing operations set out in 4a uncovered the outcropping of mica vein bedded in and around quartz. Indications are this vein runs back into the hill-slope on a slightly down-hill angle, making it ver suseptible to a tunnel operation. The material uncovered in the bulldozing gives very good indication of the possibility that a rich deposit not more than 60 feet from the place uncovered.

4d: There is a good access road to the mine located just off of Betties Creek Road, which runs into U.S. Highway #23 about equal distance between Franklin and Sylva, North Carolina, both towns being available for shipping, supply and residence points available adjacent to the property.

4e: Material, supplies and equipment are readily available in Franklin and Sylva, North Carolina. There is ample man power available in the immediate community and water and electric power are available on the premises.

5b: It is proposed that approximately 10 hours of bulldozing be utilized to remove about 10 foot of earth overburdene from which point a tunnel be driven back into the hill following the indicated vein for a distance of 60 feet, or until sheet mica of marketeable quality and quanity is uncovered, which ever distance is the least

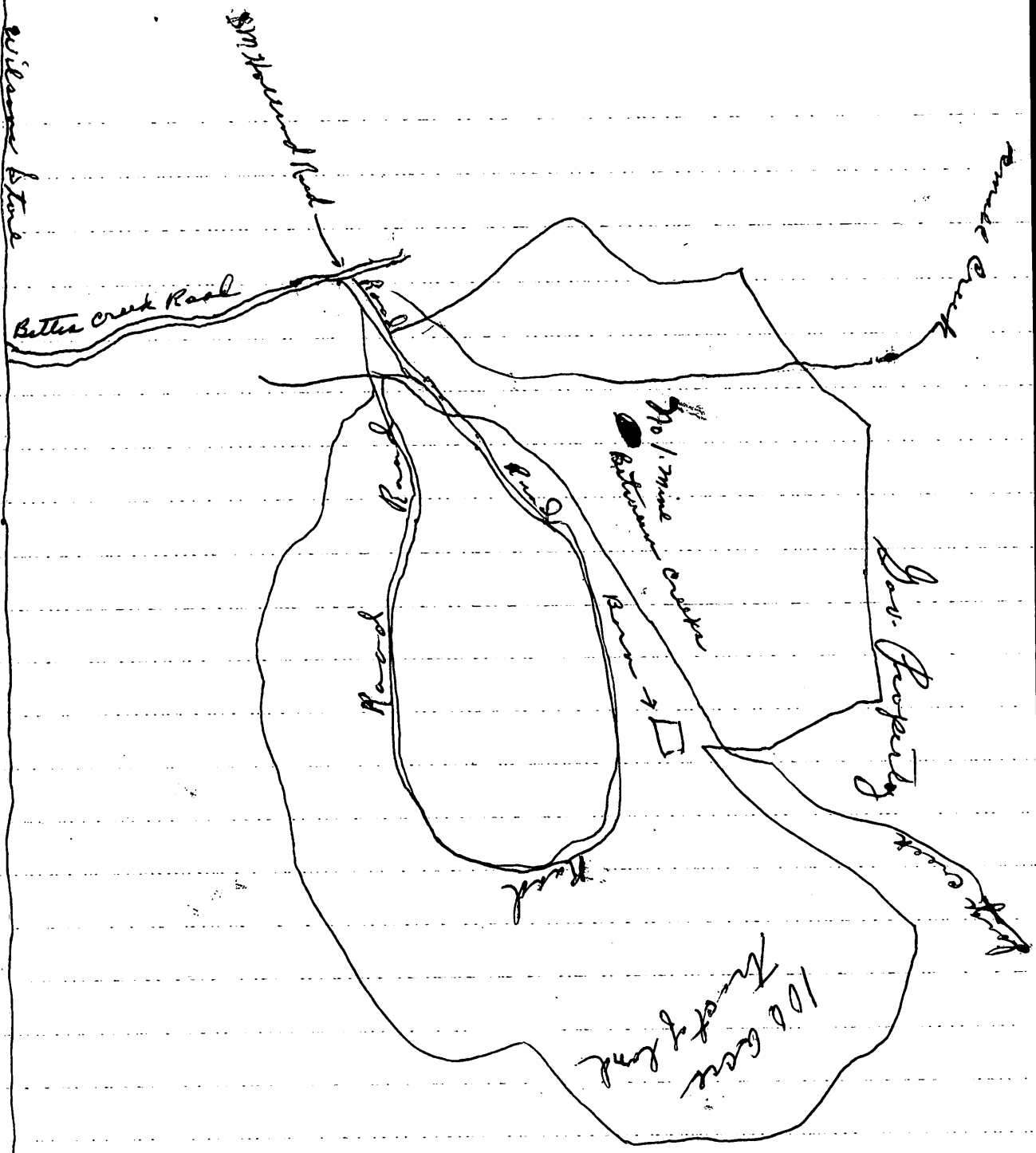
5d: The applicant has been associated with the mining and exploration for mica for a period of over 20 years, working sometimes for other companys and individuals and working sometimes as self-employed. The applicant will supervise the operations proposed.

6: The cost of the above may be estimated as follows:

Bulldozing:	
12 hours at $10 per hour	$120
Labor: (40 working days)	
2 laborers at $1 per hour	$640
1 laborer at $1.25 per hour	$400
Equipment Rental:	
Air Compressor and jack hammer 2 months at $125	$250
Sheds:	
Shed to house jack hammer and small tools	$50
Mica shed	$50
Small Tools and Equipment Including Replacements:	$175
Misc. Supplies Including Explosives:	$210
Timbers for Tunnel:	$175
Contingencies:	$150
TOTAL ESTIMATED COST	$2,220

Franklin

No 1. Mine



Sylvan

October 19, 1955

Subject: 4023
Re:
No. 2.

B.M. Holland
General Delivery
Franklin, N.C.

Dear Sir:

The receipt of your application dated October 15, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4023 and referred to the Non-Mettalic 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

60932

October 19, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region V

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

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

DMEA-4023 B.M. Holland (Mine No. 2)

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

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

RECEIVED
OCT 19 1955

October 17, 1955

DMEA 4023

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Applications from B. M. Holland, Franklin, N. C.
Holland Prospect No1, Jackson County, N. C. (mica)
Holland Prospect No.2, Jackson County, N.C. (mica)

Enclosed are three copies each of two applications received heretoday. We are keeping the foutth copies for our use.

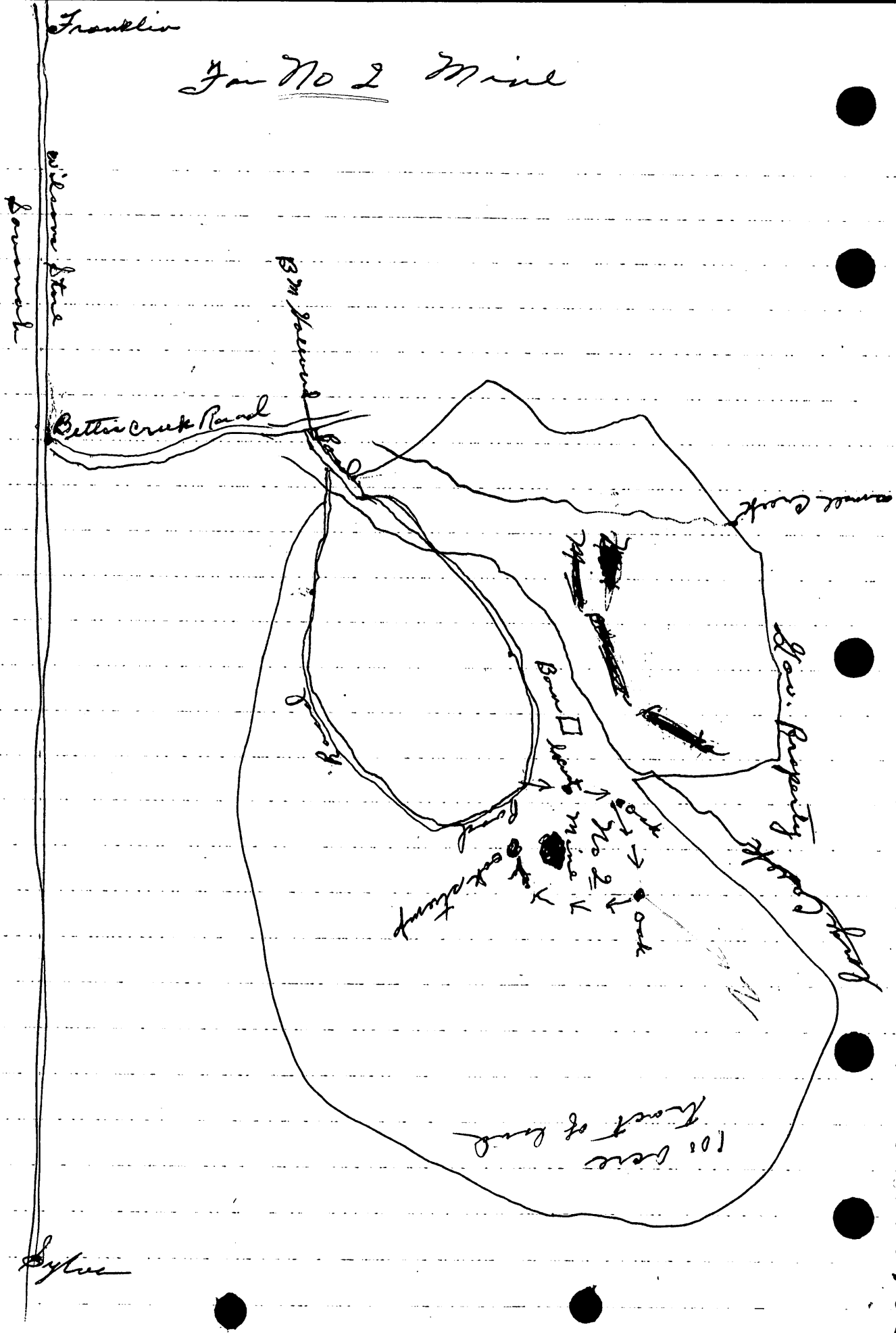
Although the applicant states that these prospects are in Macon County, it is probable that they are actually in Jackson County. This description indicates that they are on the same Betty's Creek as Bettys Creek Mine No. 3 (DMEA-3188) which is in Jackson County.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch, Member
Bureau of Mines

RAL/sm
cc:
Lynch
Shirley
Files

Jon No 2 Mine


Franklin
Wilson State
Sawmill
Bettis Creek Road
B M Yarnell Road
Pond
Barn
house
mine
No 2
Oak
Oak clump
Pond
Lot. Property
Lot 1000
Land of Land
Sylva

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
OCT 19 1955

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. 4023
Metal or Mineral Mica
Date Received 10-19-55
Estimated Cost 4410.
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: B. M. Holland, General Delivery, Franklin, 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 SEE ATTACHED SUPPLEMENT

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

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

(*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, shipping supply and residence points.

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

RECEIVED
OCT 17 1955
U. S. Geological Survey
Geologic Division
Knoxville, Tenn.

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Strategic Ruby 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 30 days and be completed within 8 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☒ Other (Labor)

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 October 15, 1955

B M Holland
(Applicant)

By

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

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

SUPPLEMENT TO MF-103
B. M. Holland
General Delivery
Franklin, N. C.
October 14, 1955

3a: BEGINNING at a stake on the bank of B. M. Holland road, runs north 300 feet to a large oak, thence northeast 400 feet to a large oak on the hill; thence south-east ~~400 feet to a large oak on the hill; thence southeast~~ 600 feet to an oak stump, thence south 200 feet to the BEGINNING CORNER, containing 3 acres be the same more or less.

4a: No former operations on subject property, except for a small tunnel dug by a former owner, and some recent bulldozing operations by the applicant.

4b: Past production unknown.

4c: Bulldozing operations uncovered an outcropping vein, and that part uncovered is a very good indication of the possibility of a rich deposit imbedded in the hard quartz vein further down.

4d: There is a good access road to the mine located just off of Betties Creek Road, which runs into U. S. Highway #23 about equal distance between Franklin and Sylva, North Carolina, both towns being available for shipping, supply and residence points available adjacent to the property.

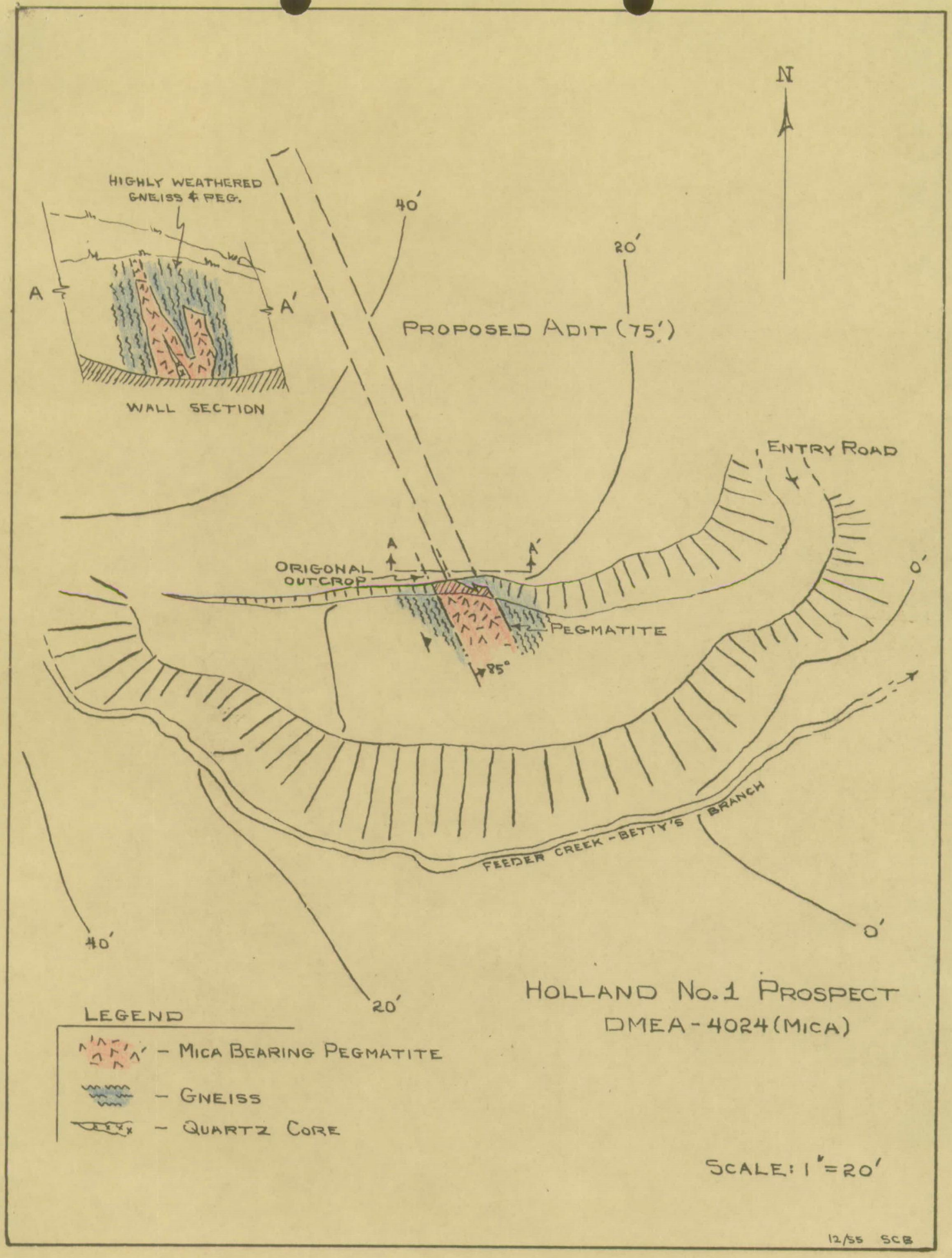
4e: Material, supplies and equipment are readily available in Franklin and Sylva, North Carolina. There is ample man power available in the immediate community and water and electric power are available on the premises.

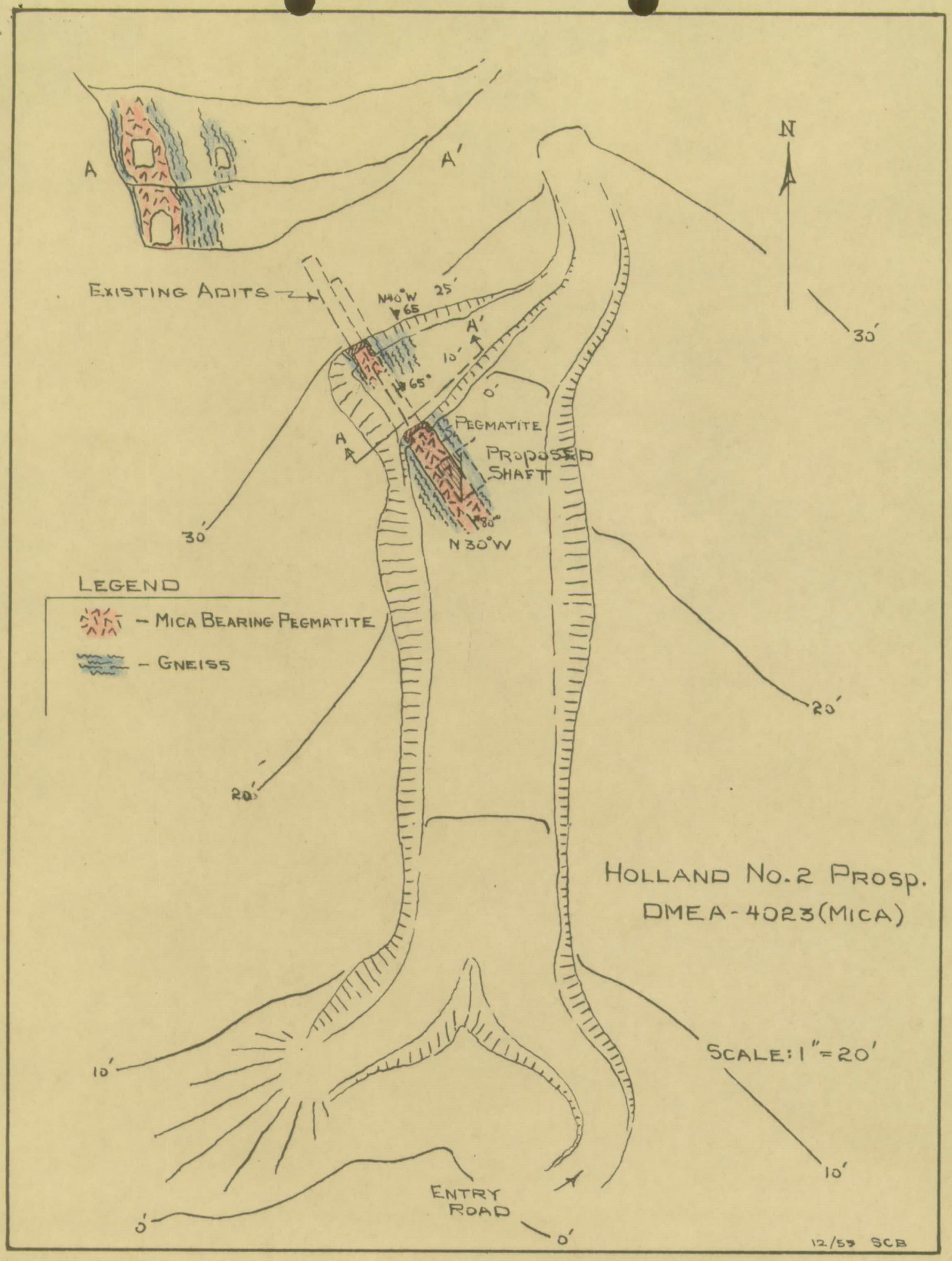
5b: It is proposed that shaft be sunk 50 feet in depth following the general direction of the vein set out above, and at that depth 50 feet of tunnel be driven, 25 feet in a general northern direction and 25 feet to the southeast.

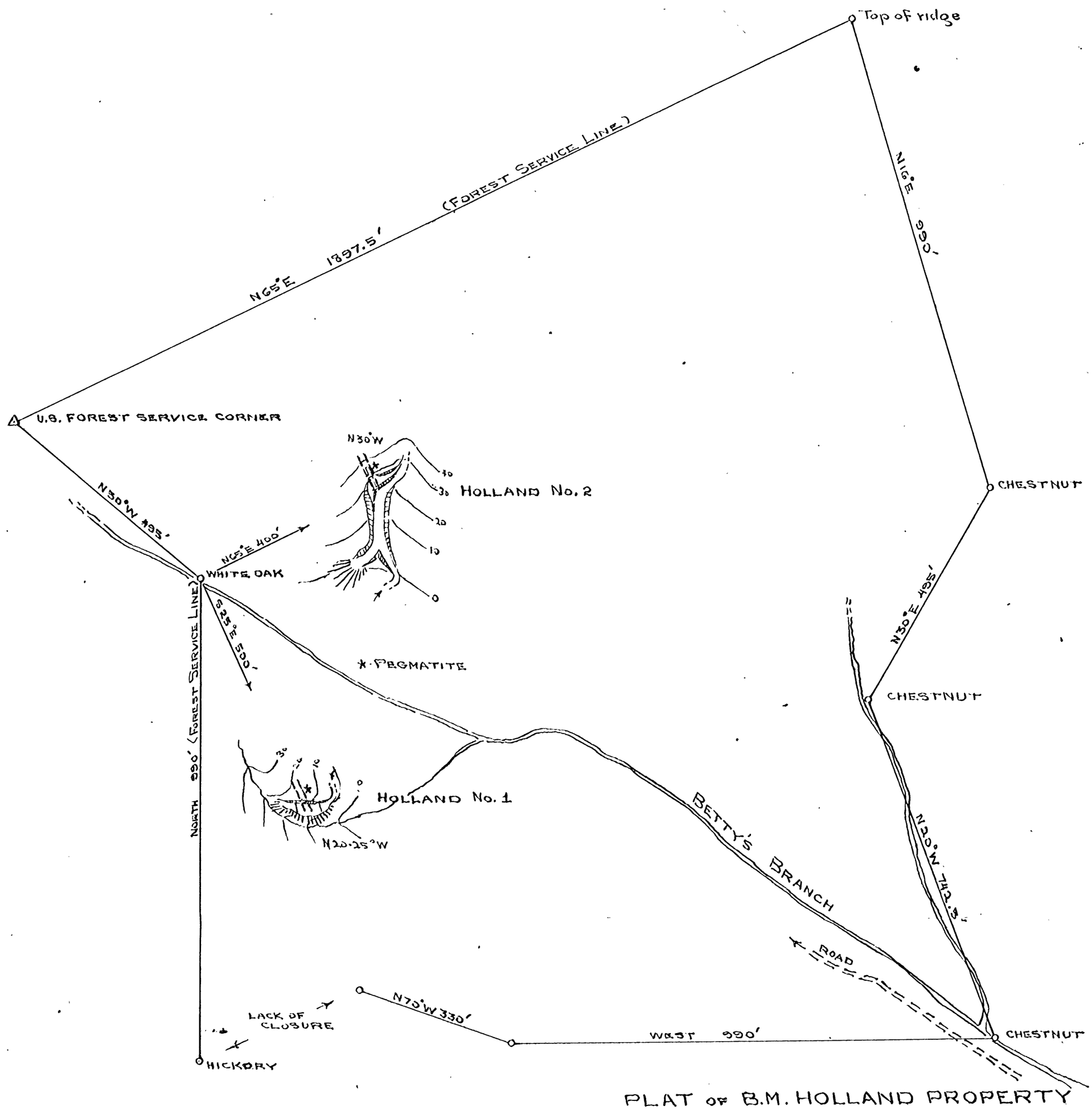
5d: The applicant has been associated with the mining and exploration for mica for a period of over 20 years, working sometimes for other companys and individuals and working sometimes as self-employed. The applicant will supervise the operations proposed.

6: The Costs if the above may be estimated as follows:

Labor: (90 working days)	
2 laborers at $1 per hour	$1440.
1 laborer at $1.25 per hour	900.
Equpipment Rental:	
Aif compressor and jack hammer	
4 months at $125 per month	600.
Hoist:	
4 months at $150 per month	200.
Sheds:	
Shed to house hoist	50.
Mica and small tool shed	75.
Small Tools add Equipment (including replacements	250.
Explosives:	375.
Misc. Supplies	60.
Timbers for tunnel and shaft	250.
Contengencies (5%)	210.
TOTAL ESTIMATED COST	$4,410.


N
HIGHLY WEATHERED GNEISS & PEG.
A
A'
WALL SECTION
40'
20'
PROPOSED ADIT (75')
ENTRY ROAD
ORIGONAL OUTCROP
A
A'
PEGMATITE
85°
0'
FEEDER CREEK - BETTY'S BRANCH
40'
20'
0'
HOLLAND No. 1 PROSPECT
DMEA - 4024 (MICA)
LEGEND
- MICA BEARING PEGMATITE
- GNEISS
- QUARTZ CORE
SCALE: 1" = 20'
12/55 SCB


A
A'
N
EXISTING ADITS
N40°W
65
25'
A'
10'
65°
0'
PEGMATITE
A
PROPOSED SHAFT
80°
N 30°W
30'
30'
LEGEND
- MICA BEARING PEGMATITE
- GNEISS
20'
20'
HOLLAND NO. 2 PROSP.
DMEA-4023(MICA)
SCALE: 1" = 20'
10'
10'
ENTRY ROAD
0'
0'
12/59 SCB

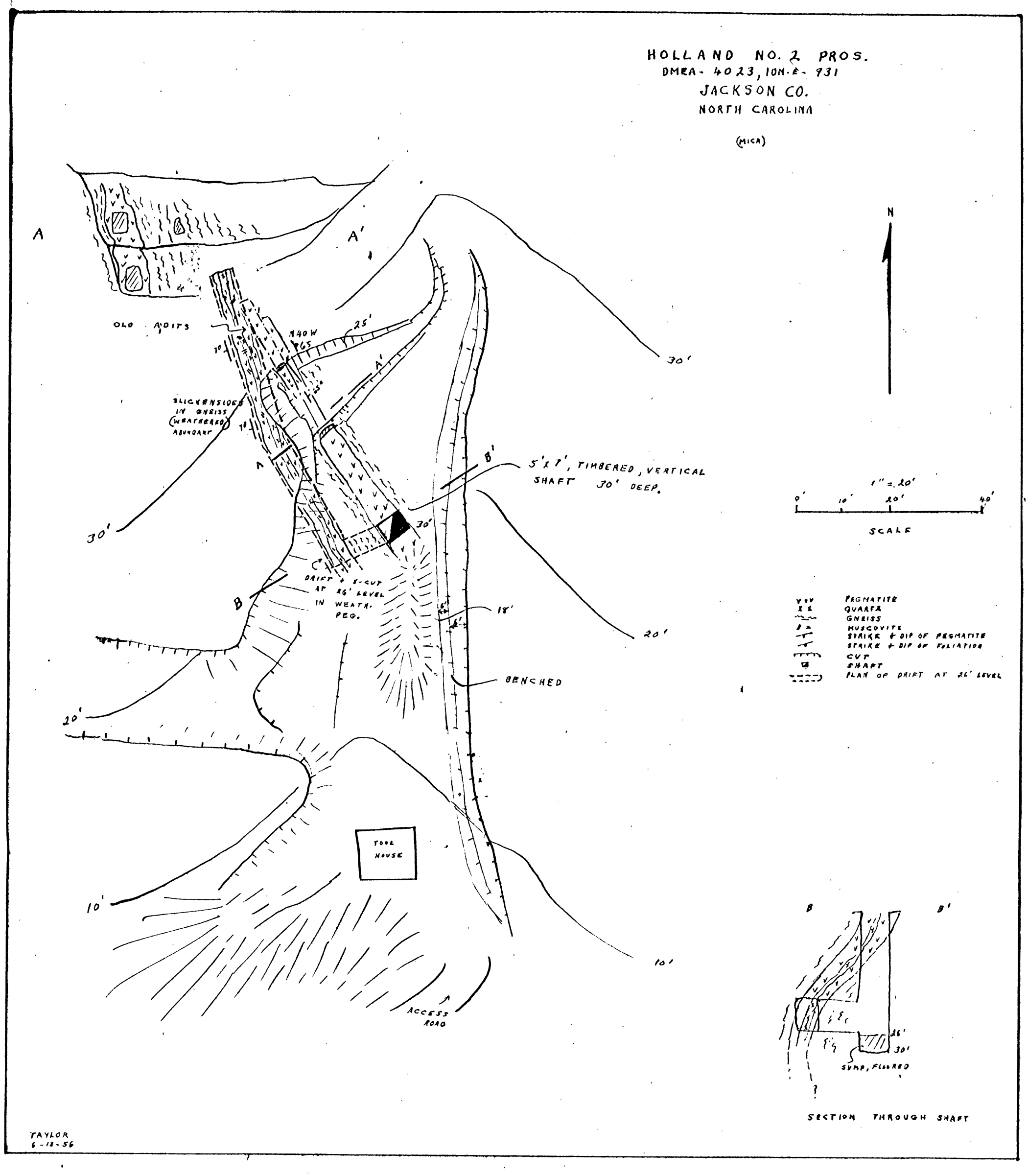


PLAT OF B.M. HOLLAND PROPERTY
JACKSON COUNTY N.C.

SCALE: 1" = 200'

HOLLAND NO. 2 PROS.
DMRA - 4023, 10M-E - 931
JACKSON CO.
NORTH CAROLINA

(MICA)



TAYLOR
6-13-56

HOLLAND NO. 1 PROS.

DMEA - 4023, IDM-E 931

JACKSON CO., N.C.

(MICA)

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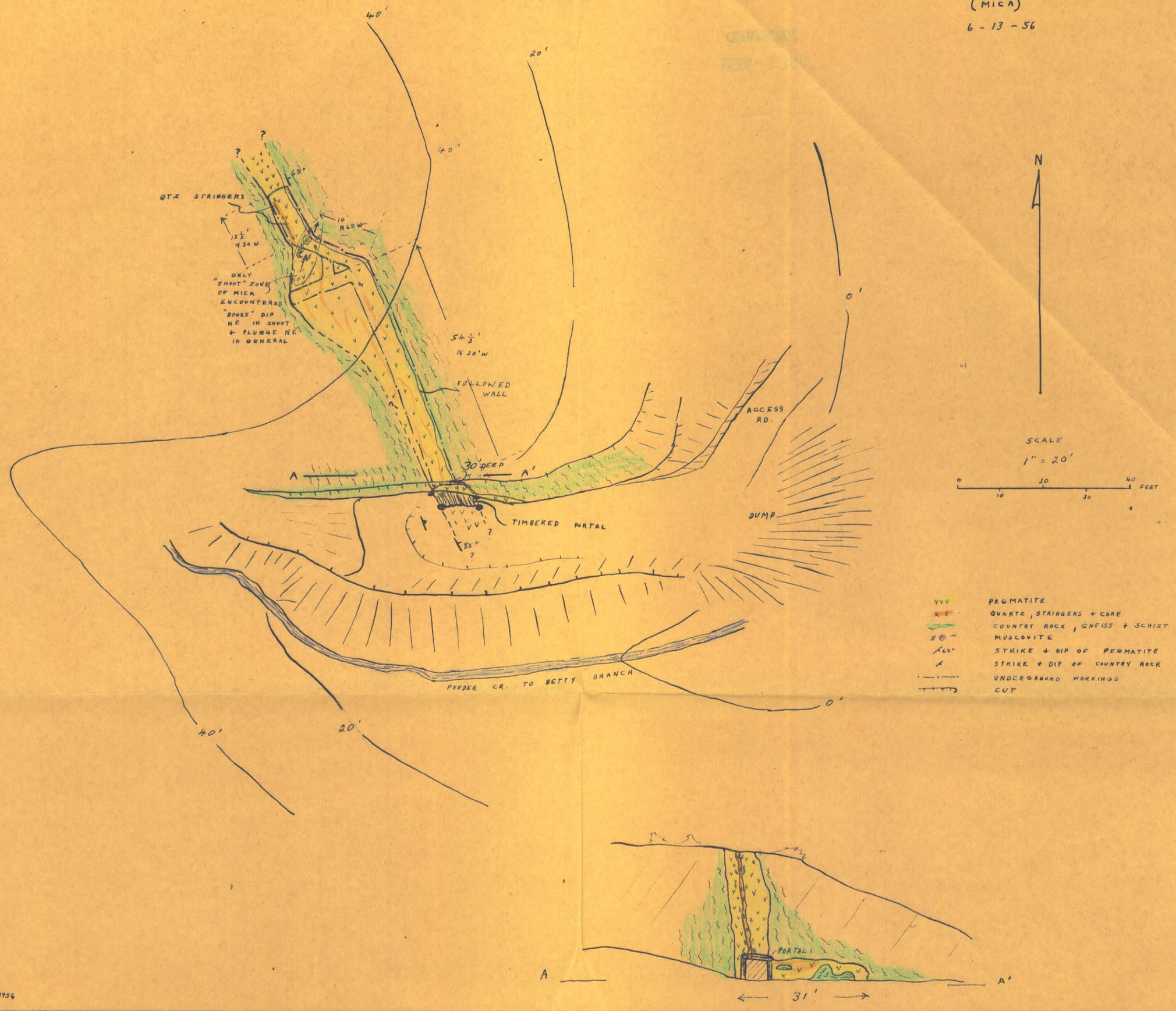

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