JUN 1 7 1954

Mr. W. R. Young
Box 25
Minneapolis, North Carolina

Re: Docket No. DMEA-3269 - Mica
Iva Johnson Mine (?) I.M. Johnson Mine
Avery County, North Carolina

Dear Mr. Young:

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

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

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

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

Sincerely yours,

C. O. Mittenderf

Administrator

WCAnderson:gad 6/9/54
Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

June 9, 1954

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: A denial of exploration assistance and summary report.

By: Walter C. Anderson

1. DMEA Docket No. 3269 - Mica

Property: Iva Johnson Mine? I.M. Johnson Mine
Avery County, North Carolina

Applicant: W. H. Young
Box 25, Minneapolis, North Carolina

Application: Form MF-103, date received - March 4, 1954
Work proposed: Adit and laterals totaling 200 feet.
Amount requested: $3,943.37
No contract: Application denied.

2. Comments:

Geological premise: Continuation of a mica-bearing pegmatite.

Geological Criteria:
1. Unzoned pegmatite 20 feet thick.
2. Mica sparsely scattered throughout pegmatite.
3. Very small percent of mica is strategic.

Future possibilities: Remote for finding strategic mica.

Recommendations: Concur with field team that application should be denied. Geological Survey and Bureau of Mines concur.

WCAnderson:gad 6/9/54
Copy to: Admr. R. File
Mr. Houk

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

June 3, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3269 (mica)

Applicant: W. H. Young

Name and Location of Property: Johnson Mine
Avery County, North Carolina

Date of Field Team Report: May 6, 1954

Date Rec'd. by Ceramic & Fertilizer Mtls. Br.: May 13, 1954

Field Team Recommendation:

1. Denial

Comments:

1. Mica found at subject mine not strategic quality.
2. Field Team is of the opinion that mica is not workable on an economic basis.

Recommendation:

I concur in the field team's recommendation to deny exploration at subject mine on the basis of the poor quality of the mica and uneconomic working conditions.

Signed

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNM

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

May 13, 1954

Memorandum

REVIEW OF FIELD TEAM REPORT ON APPLICATION DMEA-3269 (mica)

To: L. O. Houk, Defense Minerals Exploration Administration
From: D. M. Larrabee, U. S. Geological Survey
Applicant: W. H. Young.
Name of property: Johnson Mine.
Location of property: Avery County, North Carolina.
Date of field team report: May 4, 1954
Authorship of field team report: R. H. Teague, L. E. Shirley, and D. H. Amos.
Field team's recommendation: Denial.
Comments: Cannot be worked economically. Mica non-strategic.
ACTION RECOMMENDED: Follow field team's recommendation.

D. M. Larrabee

Larrabee:jeh
5/13/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3 ✓
Larrabee G-230

May 4, 1954

Memorandum

To: Operating Committee - Washington

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

Subject: Examination Report on Johnson Mine, Avery County, N. C.
DMEA-3269 (mica) W. H. Young, applicant

Enclosed are 4 copies of the subject examination report.

We agree with the examiners' conclusion that an exploration contract at the Johnson Mine is not justified, and recommend denial.

Robert A. Lawrence

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

RAL/mm

Reviewed by
DMEA OPERATING COMMITTEE
5-14-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

G.C.
6/15/54

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM, REGION VII

On

DMEA-3269, JOHNSON MINE (mica)
Avery County, N. C.

By

Kefton M. Teague, Geologist
U. S. Geological Survey
***
Lawrence E. Shirley, Mining Engineer
U. S. Bureau of Mines
***
Dewey H. Amos, Geologist
U. S. Geological Survey

May 4, 1954

Reviewed by
DMEA OPERATING COMMITTEE
5-14-54
(date)

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

FIELD EXAMINATION REPORT
ON
DMEA-3269, JOHNSON MINE (mica)
Avery County, North Carolina

Applicant: W. H. Young, Box 25, Minneapolis, North Carolina

Most of the mica at this mine is not of strategic grade. In the opinion of the Field Team this mine is not workable on an economic basis; therefore, the request for exploration assistance should be denied.

The deposit was examined on April 8, 1954. Mr. W. H. Young accompanied the examiners on the inspection which required one and one-half hours.

This mine is not the Iva Johnson Mine, but is probably the mine formerly known as the I. M. Johnson mine. It is located on the south side of Squirrel Creek 0.35 airline miles N. 80° W. of Hughes, Avery County, North Carolina. A graveled secondary road passes within 200 feet of the mine.

There are no surface facilities on the property. The workings consist of a semicircular open cut about 30 feet in radius and a south trending adit 75 feet long from the south face of the cut.

A conformable pegmatite, striking S. 25° E. and dipping 35° SW., is well exposed in the cut and the adit. It is about 20 feet thick and has no apparent zoning. The pegmatite is composed of perthite, quartz, muscovite and biotite. The sparse muscovite is rather evenly scattered through the pegmatite and is small, ruled, curved, heavily mineral stained, tied, and green colored. Only a very small percent is of strategic quality.

According to the applicant the mine was worked during World War II by Dayton Burleson. Records of Colonial Mica Corp. show sales of $800.00 worth of green mica from an I. M. Johnson Mine in Avery County by D. E. Burleson.

As there are at present no indications of any considerable quantity of strategic grade mica and as past work would appear to have been uneconomical, the application for assistance should be denied.

May 5, 1954.

K. H. Teague and D. H. Amos, Geologists
U. S. Geological Survey

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

600

MAR 17 1954

Mr. W. R. Young
Box 25
Minneapolis, North Carolina

Re: Docket No. DMEA-3269 - Mica
Ive Johnson Mine
Avery County, North Carolina

Dear Mr. Young:

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. Lawrence, Executive Officer, DMEA Field Team, Region VII, Room 23, 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 that you may give the members of the field team during the examination will be appreciated.

Your application is returned herewith for signature. Kindly return to this office at your earliest convenience.

Sincerely yours,

C. O. Mittendorf

Administrator

Enclosure

LOHouk:gad 3/15/54

Copy to: Admr. R. File
Docket File
Operating Committee
Field Team, Region VII
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

MAR 1 7 1954

600

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

Subject: Docket No. DMEA-3269 - Mica
W. H. Young
Iva Johnson Mine
Avery 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 from the Geological Survey, dated March 5, 1954 and from the Bureau of Mines, dated March 9, 1954, are enclosed for your information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

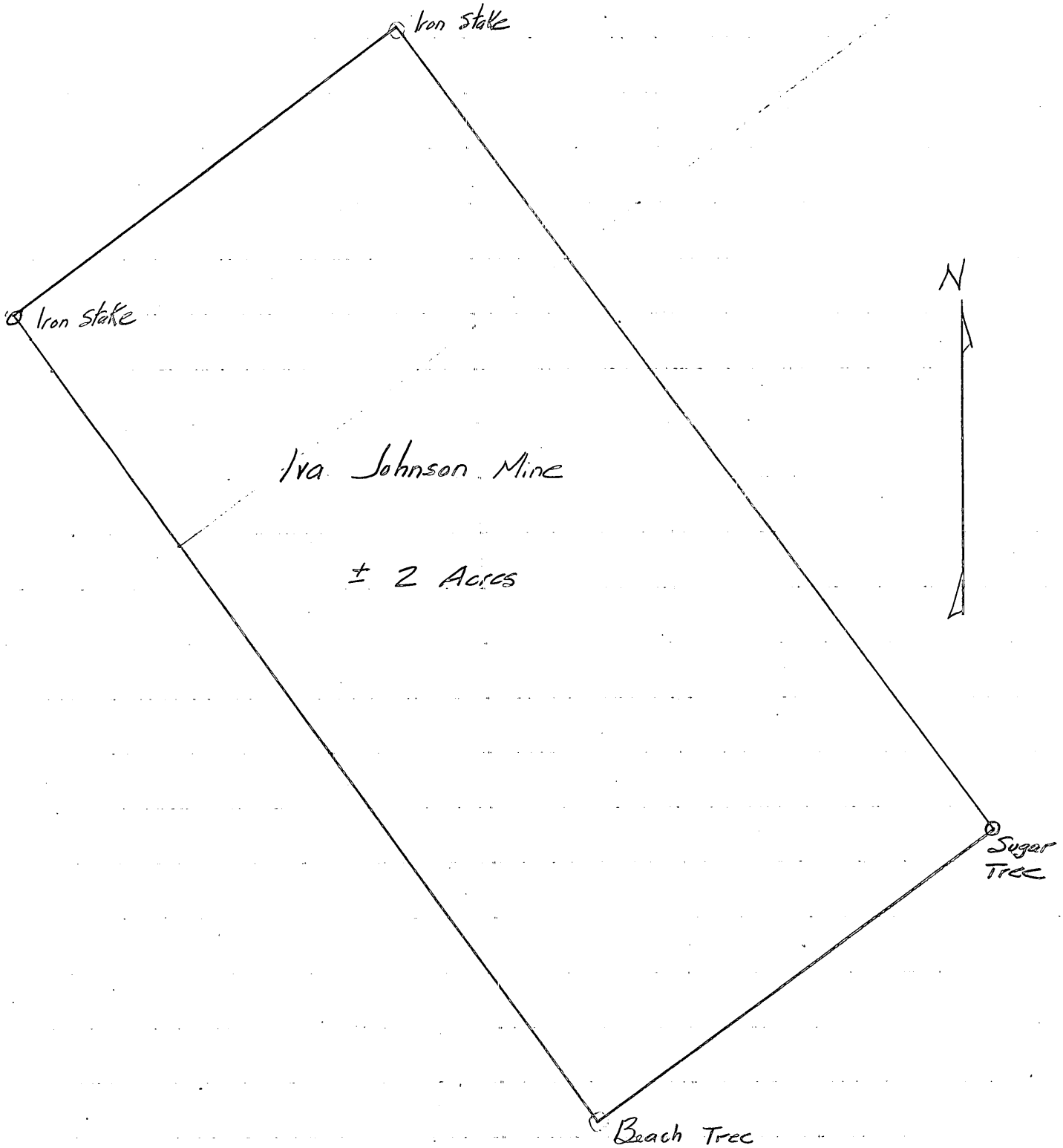
Philip W. Guild

Member, Geological Survey

Enclosures 4

LGHouk:gad 3/10/54
Copy to: Admr. R. File
Docket File
Operating Committee
Mr. Dietrich, 3061
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

DMEA-3269


Iron Stake
Iron Stake
N
Iva Johnson Mine
± 2 Acres
Sugar Tree
Beach Tree

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

March 9, 1954

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Chief, Ceramic and Fertilizer Materials Branch

Subject: DMEA-3269

Applicant: W. H. Young

Name and Location of Property: Iva Johnson Mine
Avery County, North Carolina

Application Rec'd by Ceramic & Fertilizer Mats. Branch: March 5, 1954

Comments:

1. No data are available in this office regarding a mine under the name "Iva Johnson."

2. Applicant estimated costs total $3,943.37.

3. Proposed exploration is for non-ruby mica and is consistent with good engineering practices.

4. Mine is located in an area of productive mica mines.

Recommendation:

It is suggested the field team examine this mine to ascertain if an exploration project is justified for exploration of non-ruby mica. If so, the field team and applicant should agree on a definite exploration plan.

Signed

W. F. Dietrich

IN REPLY REFER TO:

G-MD-CNR

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

March 5, 1954

Memorandum

REVIEW OF APPLICATION DMEA-3269 (MICA)

To: L. G. Houk, Defense Minerals Exploration Administration
From: D. A. Brobst, U. S. Geological Survey
Applicant's name and address: W. H. Young, Box 25, Minneapolis, N.C.
Name of property: Iva Johnson Mine.
Location of property: Along Plumtree Creek Road about 1.5 airline miles due S. of Plumtree, Avery County, N. C. (Mine 32 in plate 1 in U.S.G.S. Bull. 936 A)
Summary of applicant's proposal:

1. Rehabilitate existing adit $750
2. Extend existing adit for 160 ft. }
3. Lateral drifts, not to exceed 100 ft. } . . $3943.37

Sources of information on applicant's property:
A file report by J. C. Olson dated Jan. 10, 1944 - 3 pages.

Comments:

1. It is not clear whether the $750 to rehabilitate the adit is already included in the total of $3943.37 or whether it is in addition to the latter sum.
2. Our records indicate that Colonial Mica Corporation purchased about $18,000 worth of mica from the operators of this mine.
3. Olson's report calls this another "Elk Mine" - thin, discontinuous lenses of peg - which means that any exploration is really mining. We are not eager to explore mines of this type.
4. Olson's report indicates that the best possibilities lie in N. 60 to 70° W. from the room in the Goodman Tunnel, but it is not clear on the application whether the applicant wishes to work at that place.
5. Because the mine has a good production record, the field team should judge this mine after they study the report and visit the property.

RECOMMENDATION:
Field examination.

D. A. Brobst

Brobst:jeh

3/5/54
cc: Director's reading 4212
Branch reading 4212
DMEA 3
Brobst G-230