cw

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

DOCKET COPY
Surname:
Hopkins
Houk
Irving 10/25/56
Nelson
Lamb
Kilsgaard
Selfridge
Johnson

OCT 29 1956

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-4298-mica
Joe C. Vance
The Big Andy Mine
Avery County, North Carolina

Dear Mr. Vance:

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

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

Careful study of all our information indicates to us that the probability of disclosing significant reserves of mica is not sufficiently promising to justify Government participation. We regret to advise you, 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. Mittendorf

Administrator

JHopkins:ms 10/16/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.J.

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

October 17, 1956

Memorandum

To: Mr. C. O. Mittendorf, Administrator

From: Lawrence G. Houk, Chief
Nonmetallic Minerals Division

Subject: A denial of exploration assistance and Summary Report

By: James Hopkins

1. Docket No. DMEA-4298-mica
Property: The Big Andy Prospect
Located in Avery County, North Carolina
Applicant:
Joe C. Vance
Plumtree, North Carolina
Application:
dated May 17, 1956
Proposes:

Driving 150 feet adit drift	$6,750.00
Building construction	115.00
Total estimated cost	$6,865.00

No contract - application denied

2. Comments:

The applicant proposes to explore a new prospect on land where a significant discovery had already been made and certified by the Government.

It is reported that a block of mica weighing 100# was recovered from the prospect during World War II which sold for $60.00.

The applicant has done about 5 hours of bulldozing and exposed 20 feet of a pegmatite that is 12 inches to 18 inches wide.

The examiners found the pegmatite to be one of a series or sequence of lenticular, concordant pegmatites that are common to this area. These structures typically pinch and swell and may occur en echelon at somewhat higher or lower "stratigraphic" intervals. Along a single strong pegmatite a pinch-out may occur anytime and typically stops exploration efforts.

2. Comments: (continued)

The pegmatite is composed of predominantly sodic plagioclase, disseminated quartz with some microcline and minor coarsely crystalline biotite. Muscovite is rather abundant and is ruby colored.

The pegmatite pinches out to the east and reaches a maximum of about 4 feet in thickness to the west.

About 20 feet west of the exposure, the Guy and Housten tunnel (now caved) has been driven on the pegmatite for about 80 feet.

Because of the overlap on leased areas and the uncertain continuity of this lenticular pegmatite, apparently adequately explored by the G & H tunnel, the Field Team reconsidered their approval of an exploration project and now recommends that the application be denied.

The Nonmetallic Minerals Division concurs in the recommendation.

The Commodity Divisions of Geological Survey and the Bureau of Mines also concur.

James Hopkins

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

October 25, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

From: Donald R. Irving, Acting Chief, Branch of Ceramic and Fertilizer Materials

Subject: DMEA-4298 (mica)

Applicant: Joe C. Vance

Name and Location of Property: The Big Andy Mine, Avery County, N. C.

Date of Field Team Report: 9/27/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 10/25/56

Field Team Recommendation: Recommended denial.

Comments:

In the light of additional information which indicates a considerable portion of the ground has been adequately prospected, and overlapping of leased areas, the field team revised their previous opinion and now recommend denial.

Recommendation:

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

Donald R Irving
Donald R. Irving

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

RECEIVED
OCT - 1 1956

September 27, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region V

Subject: Docket No. DMEA-4298 (Mica)
Joe C. Vance, Plumtree, North Carolina
The Big Andy, Avery County, North Carolina

Reference is made to your letter of August 30.

Mr. Bergman, on his recent visit to Washington, discussed all the items in the letter with Mr. Houk and staff. As a result of this discussion, and because of the overlapping leased areas, it was agreed that the application should be denied.

The Field Team is in agreement with that decision.

Robert A. Laurence
Robert A. Laurence

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

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From: Executive Officer, DMEA Field Team, Region V

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The Big Andy, Avery County, North Carolina

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The Field Team is in agreement with that decision.

Robert A. Laurence

RAL/mg
cc
Oper. Comm. (3)
V. J. Lynch
L. E. Shirley
File

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

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From: Executive Officer, DMEA Field Team, Region V

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The Big Andy, Avery County, North Carolina

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The Field Team is in agreement with that decision.

Robert A. Laurence

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L. E. Shirley
File

Docket Copy
Surname:

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

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

Subject: Docket No. DMEA-4298 - Mica
Joe C. Vance
Big Andy Prospect
Avery County, North Carolina

Dear Mr. Laurence:

Reference is made to the Field Team Report of August 15, 1956, recommending Government participation in exploring a flat lying lenticular pegmatite.

Before proceeding with processing this application we will appreciate receiving your comments on the following:

1. What is the past production from the Guy Houston Adit? Nature of cave in the Guy Houston Adit, and will the Operator clean it up for inspection?

2. What is the past production of Joe Davis Rock Mine? Is this mine in operation, and do the workings extend into the Big Andy leased area?

3. The apparent overlap of the Big Andy property on the Shuffle Vance (DMEA-3813, certified) property. The proposed adit appears to parallel the west boundary of both the Big Andy lease and the Shuffle Vance lease at a point 20' from the southwest corner. A sketch showing our interpretation of the relationship between the leases is enclosed for verification.

4. From what source was information obtained for the statement, "Typically the smaller lenses are very rich in mica".

5. Why does Shuffle Vance mica have to be mixed with other mica for sale at Government purchasing depot? The operator's statement on Sales Invoice Lot 264A of 4/26/56 is inadequate. It should list the sellers and forward the original bill of sale for each purchase.

6. Are vertical up holes warranted in the shallow "back"?

We are inclined to deny this application because of the apparent lease overlap, the project work being so close to property line, and because the limited target area appears to have been adequately explored by the nearby Guy Houston Adit.

When the above information is received, we will evaluate the recommendation for a project at the subject prospect.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCB)

Approved:

Frank D. Lamb (GCB)

Member, Bureau of Mines

W. P. Williams (GCB)

Member, Geological Survey

Enclosure

LGHouk:gad 8/29/56
Copy to: Admr. R. File
Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk

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

August 21, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4298 (mica)

Applicant: J. Vance

Name and Location of Property: Big Andy Prospect, Avery County, N. C.

Date of Field Team Report: 8/15/56

Date Rec'd. by Br. of Ceramic & Fertilizer Materials: 8/20/56

Field Team Recommendation: Recommend a 2-stage, unit-cost contract.

Comments:

1. A mica-rich lenticular pegmatite was observed.

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

3. Total estimated costs are in the amount of $5,519.00.

Recommendation:

I concur with the field team's recommendation for a 2-stage, unit-cost contract.

W. F. Dietrich

W. F. Dietrich

RECEIVED
AUG 23 1956

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

August 21, 1956

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Defense Minerals Exploration Administration

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W. F. Dietrich

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

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Signed
W. F. Dietrich

IN REPLY REFER TO:

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

August 20, 1956

Re: DMEA 4298 (mica)
Joe Vance
Big Andy prospect
Avery Co., N. C.
Appl. Est. - $6,865.00
Rec'd. Est. - $5,519.00

Memorandum

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

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

Subject: Review of Field Team report.

The applicant requested assistance in exploring a narrow, flat lying, mica rich pegmatite by drifting.

The examiners consider the showing worth development and recommend:-- Stage I, 100 feet of drift and 140 feet of percussion drill holes. If the drill holes locate other lenses of pegmatite, above or below the adit, 50 feet of winze, raise or crosscut would be approved as Stage II work.

I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

RECEIVED
AUG 21 1956

IN REPLY REFER TO:

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

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I concur with the recommendation of the examiners and the Field Team.

N. E. Nelson

N. E. Nelson

NENelson:iml
G-8/20/56

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

RECEIVED
AUG 21 1956

IN REPLY REFER TO:

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

August 20, 1956

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cc: Director's reading, 4212
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Docket file
W. F. Dietrich, 3061

RECEIVED
AUG 21 1956

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

August 15,1956

RECEIVED
AUG 17 1956

Memorandum

To: Operating Committee - DMEA - Washington

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

Subject: Field Examination Report: DMEA-4298 (mica)
Joe Vance, Plumtree, .N.C., applicant
Big Andy Prospect, Avery County, N.C.

Enclosed are four copies of the subject examination report, and nine extra copies of the map.

The Doublehead Mountain area contains a number of these rather flat lenses of pegmatite, and this one appears to offer promise for exploration. It is somewhat like the Shuffle Vance pegmatite.

Because of the possibility of nearby lenses which could be explored and mined from the same adit, a small expenditure for short, percussion drill holes into the back and floor are recommended as part of the contract.

We recommend approval of a unit-cost contract as outlined in the report.

V. J. Lynch,
Member
Bureau of Mines

Robert A. Laurence, Executive Officer
DMEA Region V

Reviewed by
DMEA OPERATING COMMITTEE
8-20-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

FIELD EXAMINATION REPORT
FIELD TEAM, REGION V

On

DMEA-4298 (mica)BIG ANDY MINE
Avery County, N. C.

RECEIVED
AUG 17 1956

By

S. C. Bergman, Geologist
~~xBuxeauxofxMinex~~
Geological Survey

and

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

DMEA OPERATING COMMITTEE
8-20-56
(date)

August 15, 1956

FIELD EXAMINATION REPORT

ON

DMEA-4298 (mica) BIG ANDY PROSPECT

Applicant: Joe Vance, Plumtree, North Carolina

Summary:

A flat-dipping, mica-rich pegmatite is exposed in an adit and shallow open cut. It is a pinching and swelling lenticular type, part of a thick vertical sequence of similar structures common to the southern part of Doublehead Mountain. The examiners recommend that the down dip extension of the exposed structure be followed along strike and crosscut at intervals on favorable structures.

Location:

The prospect site is about 700 feet S 60° W of the Shuffle Vance Mine (DMEA-3813) and 1.32 airline miles N 62° W from Plumtree Avery County, N. C. It is situated on the southwest slopes of Doublehead Mountain at an elevation of approximately 3700 feet. (Carvers Gap,N.C. Quad.TVA Ed.1934.1/24,000)

Introduction:

About 2 hours was spent on June 18, 1956 in examining the property. The examiners were accompanied by Mr. T. B. Vance, Mr. Joe Vance, Andy Benfield and Ira Vance. The site is near the crest of a southeast trending ridge. A rather steeply inclined jeep road follows this ridge from U.S. Highway 19E near Plumtree and is unaccessible in wet weather. A steep east-west trending cliff occurs about 25 feet south of the site. The Joe Davis Rock Mine, a large, at least 25 ft thick, pegmatite series, is located in this cliff about 30 feet vertically below the subject pegmatite.

There is no equipment, buildings or supplies at the mine site. The applicants have had previous experience with DMEA operations and are qualified to undertake a venture underlined in the conclusions.

Geology:

A flat-dipping concordant pegmatite has been cut in a shallow open cut and an adjacent 80-foot adit (Guy and Houston Tunnel -see map). The pegmatite is part of a thick vertical sequence of shallow-dipping concordant, dilation type (lenticular)

structures which are prevalent on the slopes of Doublehead Mountain. It strikes roughly a few degrees west of north and dips from near horizontal to 20° east. The pegmatite pinches out to the east and reaches a maximum of about 4 feet in thickness to the west. These structures typically pinch and swell and may occur en echelon at somewhat higher or lower "stratigraphic" intervals. Experience gained in exploring nearby Shuffle Vance Mine (DMEA-3813) indicated that careful control of the vertical interval by percussion drilling would be helpful in exploring these particular pegmatites. Along a single strong pegmatite a pinch-out may occur anytime and typically stops most exploration efforts. It is recommended that the foliate pinchout planes be followed in order to determine the density of pegmatite along that plane. Typically the smaller lenses are very rich in muscovite so that a certain amount of dead drifting is justified to determine the density of structures. Percussion drilling should be used at about 10-foot intervals in the floor and ceiling to determine the number of pegmatites in the vertical plane.

The pegmatite is composed of predomantly sodic plagioclase, disseminated quartz with some microcline and minor coarsely crystalline biotite. Muscovite is rather abundant and is ruby colored, flat and essentially free from mineral staining. Only a rare ~~xpprx~~ speck of biotite was observed intergrown with muscovite.

Conclusions:

A mica-rich sequence of lenticular pegmatites occur at the Prospect site. It is proposed that 100 feet of adit be driven along the indicated strike of the downdip extension of the exposed pegmatite. At intervals of 10 feet along the adit starting 30 ft from the portal, percussion drill holes should be driven, 10 feet vertically in the back and 10 feet into the floor, to intercept parallel or enechelon pegmatite structures. About 50 feet of crosscut, incline, raise, or winze should be allowed to follow up the interception of favorable structures in the adit or in the drill holes. The additional 50 feet of work should be considered as Stage II, dependant upon the results of adit and drilling.

Estimated Costs:

STAGE I : Drive 100 feet of drift along the project strike of the body and drill not more than 140 feet of percussion drill holes at intervals in the drift to intercept parallel pegmatite bodies.

100 feet of drift (50 shifts)

Construct:

Toolhouse	$75.00
Powder & Exploder Magazines	40.00

Labor:

1-Foreman-miner @ $1.50/hr	600.00
2-Laborers @ $1.00/hr.	800.00

Equipment (rental)

Air Compressor-105 c.f.m. @ $200/Mo.	500.00
Rock hammer @ Jackleg @ $50/Mo.	125.00

Supplies:

Gasoline and oil	225.00
Explosives	300.00
Drill steel	150.00
Timber -2000 bf @ $65/M	130.00
Small tools,pipe,etc.	110.00
Miscellaneous	100.00
Sale tax	30.00
Liability Ins. & Soc.Sec.	150.00
Percussion drill test holes, 140 ft @ $0.60/ft..	84.00

Total estimated Cost of STAGE I..... $$3,419.00

STAGEII.- If results of percussion drilling in Stage I are favorable - sink 50 feet of winze and/or raise and/or crosscut, at best point of pegmatite interception to be determined by the Field Team.

50 ft of 5' x 7' winze, raise or crosscut
(timber where necessary - 30 shifts)

Labor:

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

Equipment (rental)

Compressor-portable- 105 c.f.m. @ $200/Mo.	300.00
Hoist @ $70/Mo	105.00
Rock hammer @ $50/Mo.	75.00

Supplies:

Gasoline and oil	125.00	
Explosives	200.00	
Drill Steel	100.00	
Timber -1500 b.f. @ $65/M	100.00	
Miscellaneous	75.00	
Sales Tax	12.00	
Social Security & Liability Ins.	108.00	
Estimated cost of Stage II.....		$2,100.00
Estimated total cost of Stages I and II		$5,519.00

August 15, 1956

z

S. C. Bergman, Geologist
U. S. G. S.

and
A. L. Peyton, Mining Engineer
L. E. Shirley, Mining Engineer
U. S. B. M.

DOCKET COPY
Surname:

Chin
Houk
Martin
F E Johnston

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

JUN - 1 1956

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

Re: Docket No. DMEA-4298-mica
Joe C. Vance
The Big Andy 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 dated May 22 and 25, 1956, by Mr. N. E. Nelson, USGS, and Mr. W. F. Dietrich, USBM, respectively, relating to the project are enclosed.

The applicant is the operator of contract No. Idm-E925 (Docket No. DMEA-4055). In view of our experience with him regarding costs, it may be necessary to discuss his proposed costs on this application if the examiners find that an exploration project is warranted.

Please have the applicant supply the book and page of recording of the tract of land involved. A location map should be prepared showing the outline of the leased area related to the location of the proposed DMEA work. A tie from one of the corners of the leased area to a permanent corner of the tract or to some permanent immovable object or monument should be made.

Sincerely yours,

W. S. Martin
ACTING Chairman, Operating Committee (WSM)

Approved:

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

Thor H. Kiilsgaard (WSM)
Member, Geological Survey

JHopkins:ms 5/29/56

Copy to: Docket
Operating Committee
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

Enclosures:4

R.C.B.

DOCKET COPY
Surname:

Houk
Geehan
Kiilsgaard
Martin
Zumwalt

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

600

JUN - 1 1956

Mr. Joe C. Vance

Plumtree, North Carolina

Re: Docket No. DMEA-4298-mica
Joe C. Vance
The Big Andy Mine
Avery County, North Carolina

Dear Mr. Vance:

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

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

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins:ms 5/29/56
Copy to: Docket
Operating Committee
Field Team, Region V
Mr. Kiilsgaard, 5222
Mr. Dietrich, 3061
Mr. Houk
Admr. R. File

R.C.K.

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

RECEIVED
MAY 28 1956

May 25, 1956

Memorandum

To: Nonmetallic Minerals Division
Defense Minerals Exploration Administration

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

Subject: DMEA-4298 (mica)

Applicant: Joe C. Vance

Name and Location of Property: The Big Andy, Avery County N. C.

Date Application Rec'd. by Br. of Ceramic & Fertilizer Materials: 5/21/56

Comments:

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

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

3. Total estimated costs are in the amount of $6865.00.

Recommendation:

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

W. F. Dietrich

W. F. Dietrich

IN REPLY REFER TO:

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

RECEIVED
MAY 23 1956

May 22, 1956

Re: DMEA 4298
Joe C. Vance
Big Andy Prospect
Mitchell County, N. C.
$6,865.00 - Mica

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring by drift a very narrow pegmatite from which a large block of mica was taken during World War II. About 20 feet of the pegmatite has been exposed by bulldozing.

Perhaps the 20-foot exposure will permit judging the potential of the pegmatite. If deemed insufficient the exposing of a greater length may make such an appraisal possible.

Referral to the Field Team for appropriate action is recommended.

N. E. Nelson

N. E. Nelson

May 21, 1956

Mr. Joe C. Vance
Plumtree, N.C.

Subject: DMEA-4298
Re: Exploration Assistance
The Big Andy

Dear Mr. Vance

The receipt of your application dated May 17, 1956 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4298 and referred to the Nonmetallic Minerals Division.

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

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
MAY 21 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-4298
Metal or Mineral MICA
Date Received 5/21/56
Estimated Cost $6,865.00
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: JOE C. VANCE

PLUMTREE, NORTH CAROLINA

(*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.

ALL OF THE FOLLOWING QUESTIONS ANSWERED ON TWO ATTACHED SHEETS OF PAPER

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

LEASE ATTACHED

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

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

(*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

(*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.

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

(*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 ..... days and be completed within ..... months from the date of an exploration project contract.

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations. 25 Yrs. experience, personally supervised by Mr.

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)?

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

☒ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated May 17th, 1956

JOE C. VANCE
(Applicant)

By Joe C. Vance

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

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

RECEIVED
MAY 21 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Avery, State of North Carolina, described ~~as follows:~~1/

In Lease True copy of which is attached to Application

_____,

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

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

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; ~~and~~/

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

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

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 17 day of May, 1956.

[illegible] [Seal]

[Seal]

[Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

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EXPLORATION PROJECT CONTRACT
Operator_____
Docket No. DMEA-_____
Contract No. Idm-E_____
Contract Date_____

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3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 17 day of May, 1956.

T B Vance [Seal]

[Seal]

[Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

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

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MAY 21 1956

CONSENT TO LIEN

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3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: None

Dated this 27 day of May, 1956

T B Vance [Seal]

[Seal]

[Seal]

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

_____

[Corporate Seal]

MF-203
Revised March 24, 1955

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Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

RECEIVED
MAY 21 1956

CONSENT TO LIEN

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Referring to that certain land in the County of Avery, State of North Carolina, described as follows:1/

In lease two copy of which is attached to application

_____,

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

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

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3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

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

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3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 195_6.

T B Vince [Seal]

_____ [Seal]

_____ [Seal]

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

_____

[Corporate Seal]

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PRUSUANT TO DMEA ORDER 1,

Under the defense production act of 1950, as mended.

RECEIVED
MAY 21 1956

1- (a) Joe C. Vance, Plumtree, N.C.

(b) Individual

(c) Not applicable

(d) Not applicable

2- General Instructions

3- (a) Land owned by T. B. Vance, Plumtree, N. C. and leased to the applicant. Copy of lease herewith attached.

(b) The Big Andy

(c) Lessee

(d) Copy of Lease attached.

(e) None

(f) Not applicable.

4- A new prospect. There was about three days work done here by a prospector who recovered a large block of mica (along with small blocks) which weighed around 100 lbs. and sold for $60.00 during World War II, but due to lack of machinery it was not worked any more. Applicant has done about 5 hours work with a bulldozer and has exposed around 20 feet of mica bearing pegmatite which is from 12 to 18 inches wide. There is a very good dirt road leading into the property easly accessibil by jeep or truck.

(b) There has only been the production named above but the pegmatite looks very good and the mica that has been recovered was of a good grade of Ruby Mica.

(c) No maps nor geological surveys are available but it is located on a mica producing ridge or mountain. The pegmatite lays in a hard rock formation and contains ruby mica but it will require machinery and blasting to open it up for production.

(d) It is located on the side of the mountain off the main highway but has a jeep

Application for Aid- The Big Andy.

and/or truck road leading into the property and mine. The Big Andy Prospect is about 1½ miles from Plumtree, N. C. and 13 miles north of Spruce Pine, N.C.

(e) There is plenty of manpower, materials, supplies, water, power and equipment available.

5- (a) Mica

(b) I would like to cut a tunnel into the pegmatite, following the mica streak for 150 feet.

(c) 15 days and finish in six months.

6- (a) The proposed exploration would be done in terms of an independant contract on a cost of unit basis and would consist of the following:

Tool house.....	1 unit @	$75.00	$ 75.00
Powder Magazine.....	1 unit @	25.00	25.00
Exploder Magazine	1 unit @	15.00	15.00
150 foot tunnel	150 units @	45.00	6750.00
Total cost of project			$6865.00

(b,c,d,e,) Not applicable

(f) Buildings named above in (a).

(g,h,) Not applicable

7- (a) Yes

(b) Money

CERTIFICATION OF THE FOREGOING TWO PAGES SIGNED BY THE APPLICANT ON FORM MF-103 herewith attached, also copy of lease, Owners consent to Lien and sketch of mine attached.

MINING LEASE

RECEIVED
MAY 21 1956

State of North Carolina Avery County County:

This indenture made this 17 day of May, 1956

between T. B. Vance

of Plumtree, Avery County and State of North Carolina as party of the first part, and known as lessor, and Joe C. Vance

of Plumtree, Avery County and State of North Carolina, party of the second part and known as lessee.

WITNESSETH, That the party of the first part in consideration of One Dollar in hand received and hereby acknowledged by the lessor, and in consideration of the agreements hereinafter contained, on the part of the party of the second part to be performed, hereby bargains, leases and grants to the party of the second part, and his heirs and assigns, for the period of five years from the date of this agreement, the following described real property, for mining purposes, in the County and State first above written to wit:

The "Big Andy" Mine situated and being on tract of land known as Big Doublehead in Toe River Township, Avery County, N. C. and described as follows: consisting of about five acres at the south end of Big Double Mountain and begining at a Split Locust tree 290 feet above the mine and running north 320 feet to a Oak, thence east 590 feet to a stake in the field, thence south 610 feet to a Locust Tree, thence west 600 feet to a Poplar tree, thence ~~280 feet to the~~ north 280 feet to the begining.

TO HAVE AND TO HOLD the said lands to him, for mining purposes, the said lessee and his heirs and assigns for the aforesaid period of five years in compliance with the condition of this instrument, for the purpose and with the right to dig, quarry, search, explore for, obtain, and remove any kind of minerals, metals or fossils, and particularly mica, and to conduct the same to any extent the said party of the second part, the lessee, may desire. And it is hereby agreed between the parties to this agreement that the party of the second part is to have the use of any unoccupied buildings on said lands for mining purposes, and that he shall have the right to erect such buildings as he needs to carry on such mining operations during the period of this lease, and that the party of the second part shall keep the same in as good condition as when received, unavoidable accidents excepted. And it is also agreed by the party of the second part that no unnecessary damage is to be done to the lands herein leased during the period of this lease and the continuance of said lease, but the said party of the second part shall have the right to take from said lands leased to the party of the second part any wood or timber the party of the second part may need to carry on said mining operations or which may be needed to carry on the addition to existing buildings or to erect new buildings or sheds on said lands. (Timber of high or special market value is excepted and shall not be used by the lessee.) And it is hereby agreed that the party of the second part, the lessee, is to have the right-of-way of ingress and egress to said mines or land upon which exploration is being conducted.

AND IT IS FURTHER AGREED That the party of the second part, the lessee hereby agrees to pay to the said party of the first part, or his or their heirs or assigns, a rental royalty of 1/8th. of all mica and the prevailing royalty on other minerals.

on the minerals taken and sold from said mines which shall be for the use of the said lands for the aforesaid period of five years. The said amounts shall be payable on the computation of selling bills on the tenth day of each month covering sales made during the previous month. Any minerals other than those set forth above which may be taken and sold shall be paid for and at the usual royalty rate of the minerals taken.

AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, shall have the option to renew this lease and to extend the period of its running for an additional five years from the date of its present termination. The option shall be exercised by giving formal written notice to the party of the first part or by the continuation of any mining operation then being conducted. The lessor reserve the right to use the land, or convey the same not conflicting with this lease, but under any conveyance the terms of this lease must be recognized by the grantee, purchaser, or assigns thereof. And it is agreed that the lessee may assign this mining lease or any part thereof and that he may sublease.

~~AND IT IS FURTHER AGREED That the lessee, the party of the second part, his heirs or assigns, is hereby given an option to purchase all the right, title and interest, legal and equitable, to and in the real estate described and set forth in this lease for a total purchase price of _____ said purchase price to be paid in full within three years from the date of this instrument and it is agreed that all rental royalties paid to the party of the first part shall apply toward and be a part of the total purchase price above set forth, and that at such time that the total purchase price is paid in the form of royalties or a lump sum payment or a combination of both, the party of the first part will execute a special warranty deed to the party of the second part and that a tender of the remaining purchase price at any time within the next three years shall entitle the party of the second part to specific performance of this option contract.~~

BUT IT IS EXPRESSLY AGREED That unless mineral or fossil material of practical value for mining purposes shall be found within a period of two years from the date of this instrument, the lease may be terminated by the lessee at any time thereafter on thirty days notice to the lessor. The lessee agrees that during the period of this lease or the continuance of this lease work in said mines or exploration for new mines within the area leased shall not cease longer than ninety days at any one time, unavoidable accidents excepted.

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

Witness: Guy Blevins

T B Vance (Seal)

(Seal)

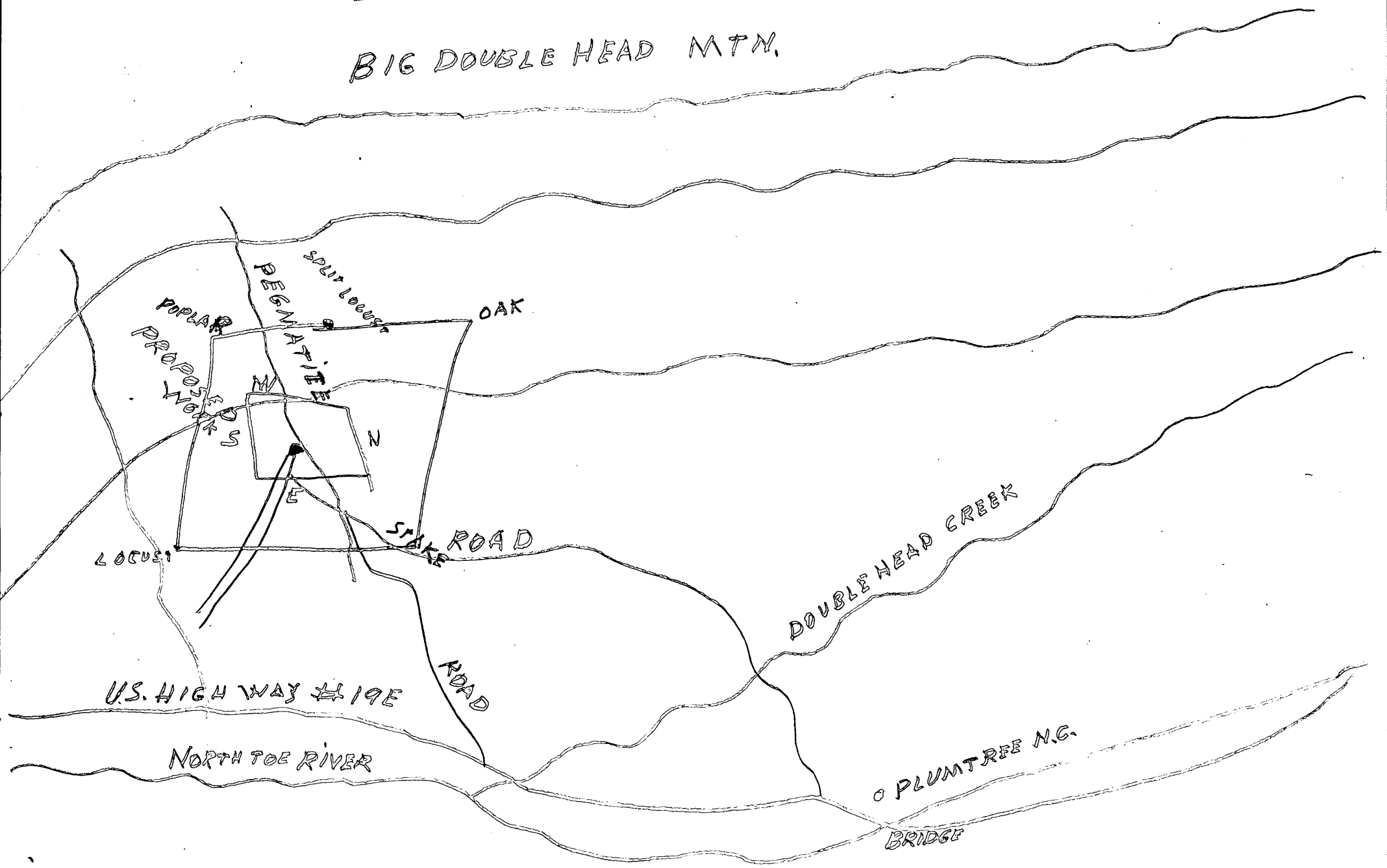
(Seal)

DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1201 N. DIVISION STREET
SPOKANE 2, WASHINGTON

Mr. George C. Selfridge, Chairman
DMEA Operating Committee
Department of the Interior
Washington 25, D. C.

SKETCH OF BIG ANDY MINE

BIG DOUBLE HEAD MTN.



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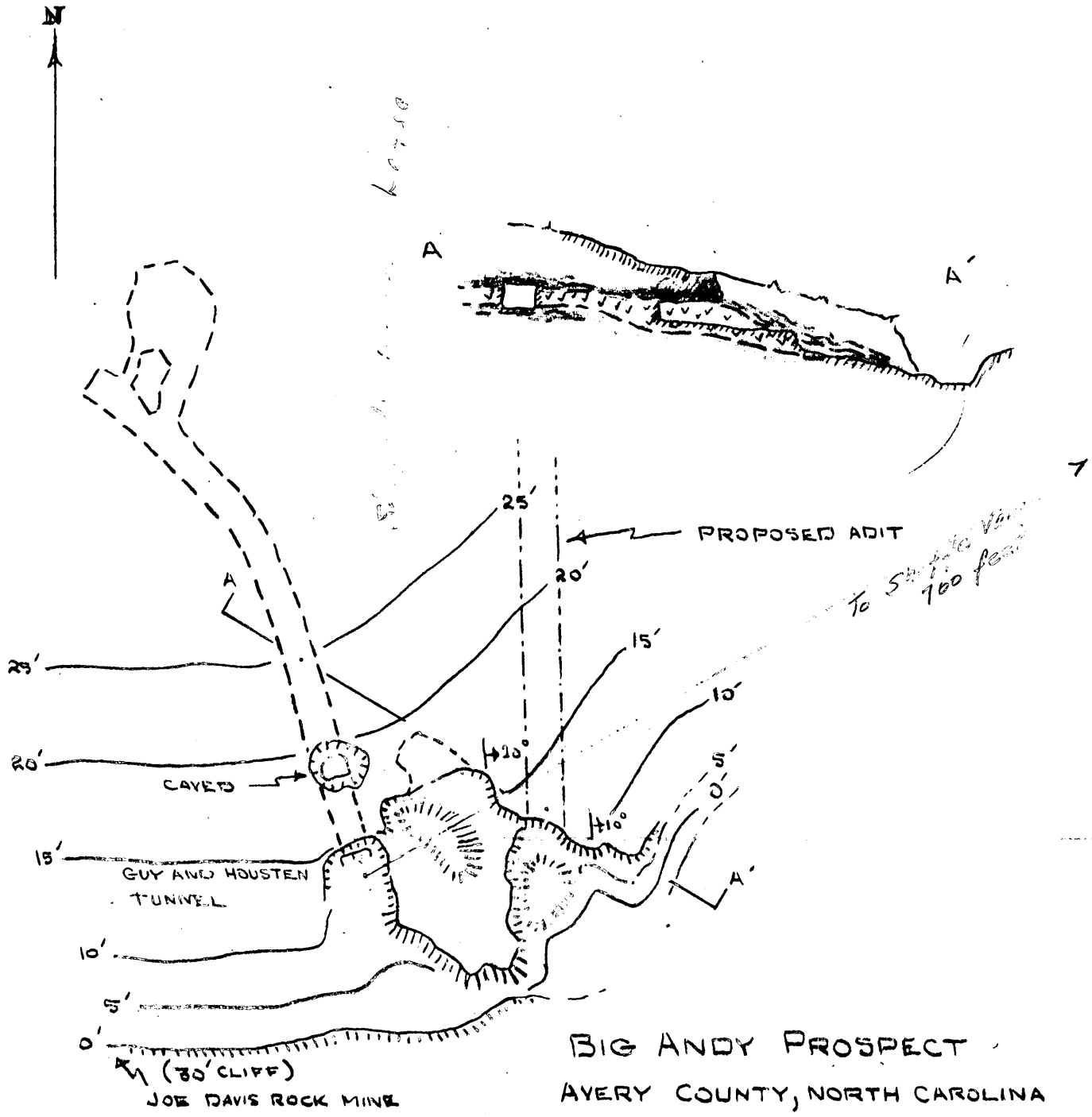

BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- ROCK CUT
- DUMP

SCALE: 1" = 20'

7/56

Dr. Cody, Geol.

33574

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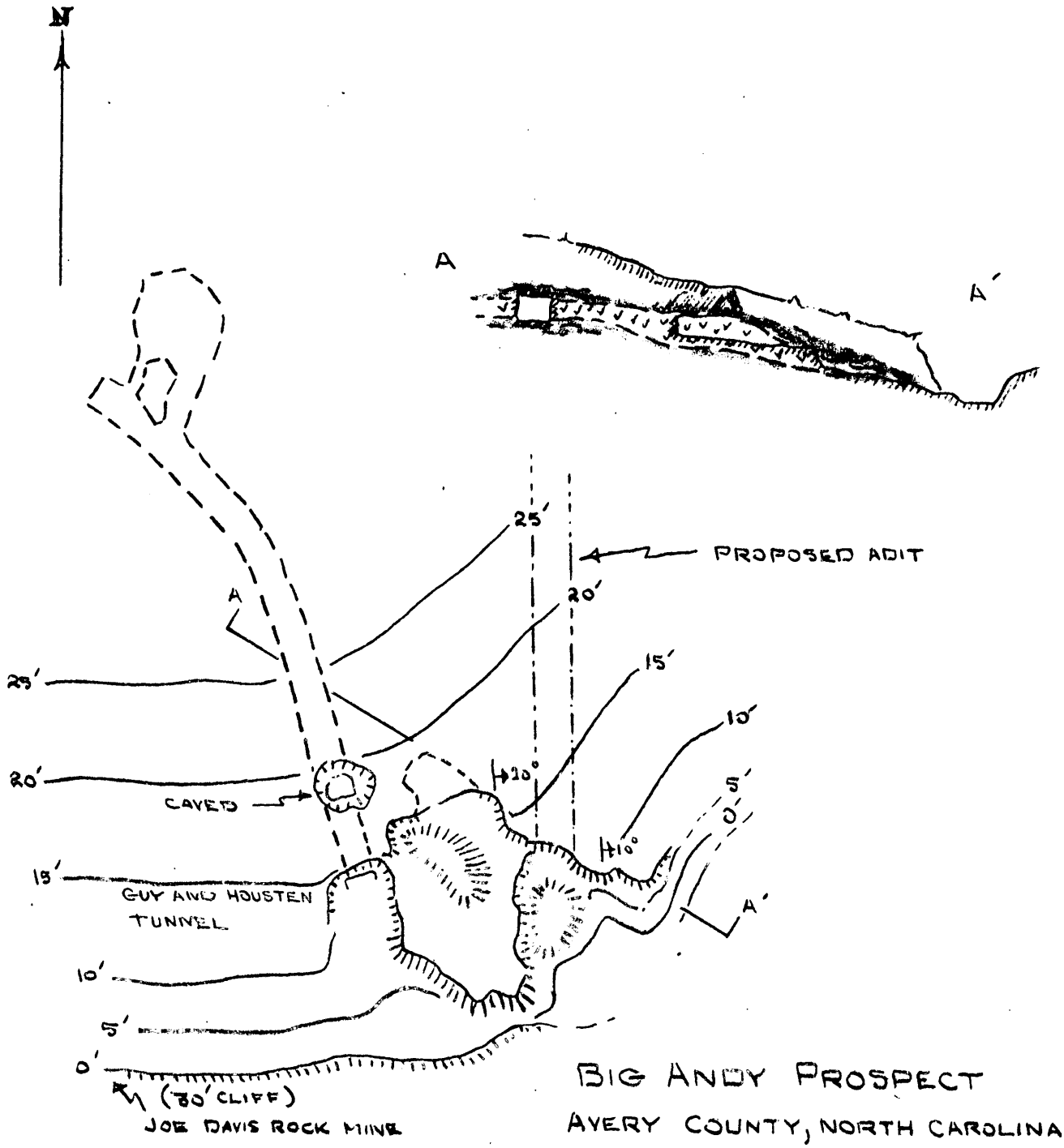

BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- ROCK CUT
- DUMP

SCALE: 1" = 20'

7/56

APR 27 1995
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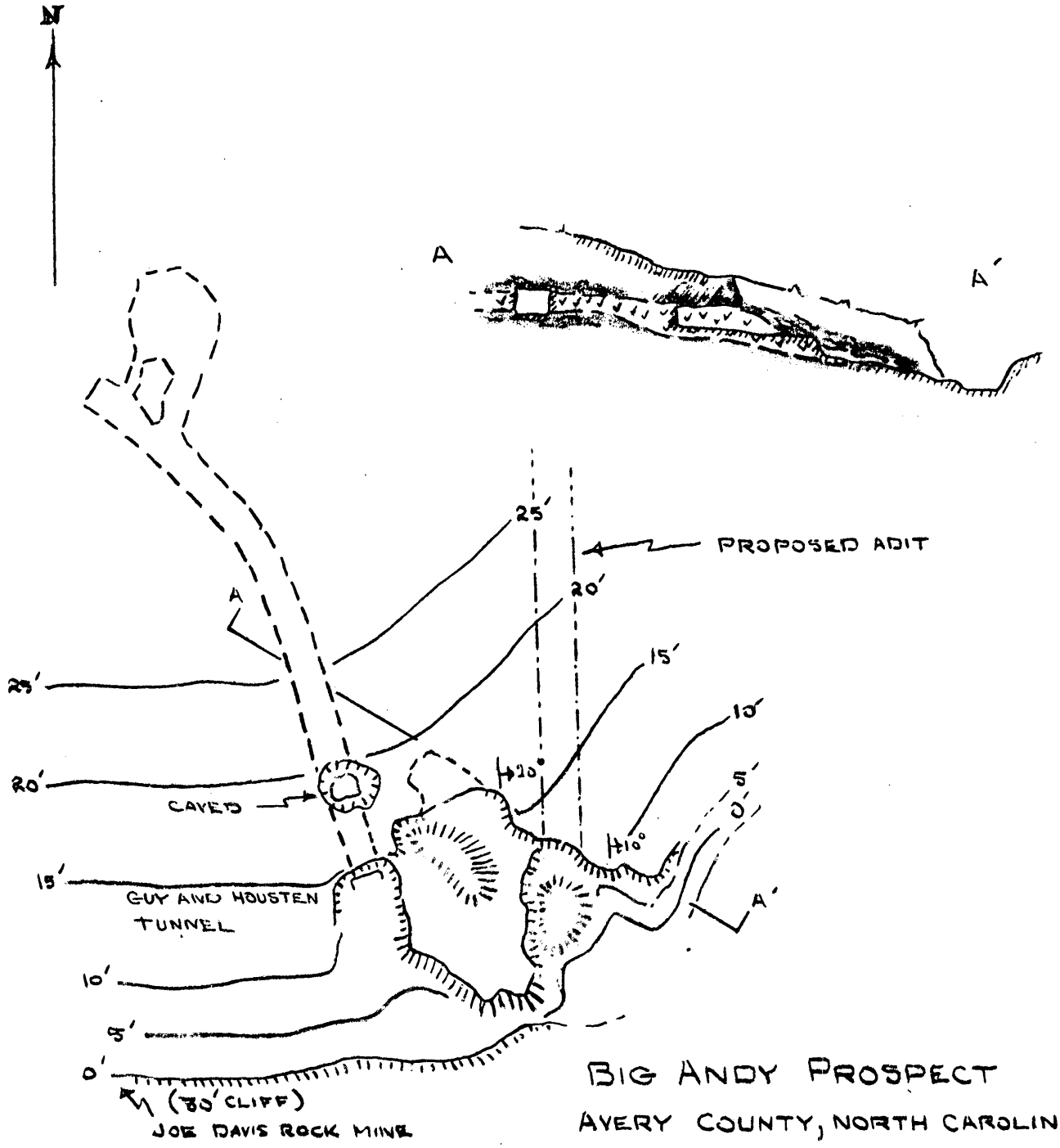

BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- ROCK CUT
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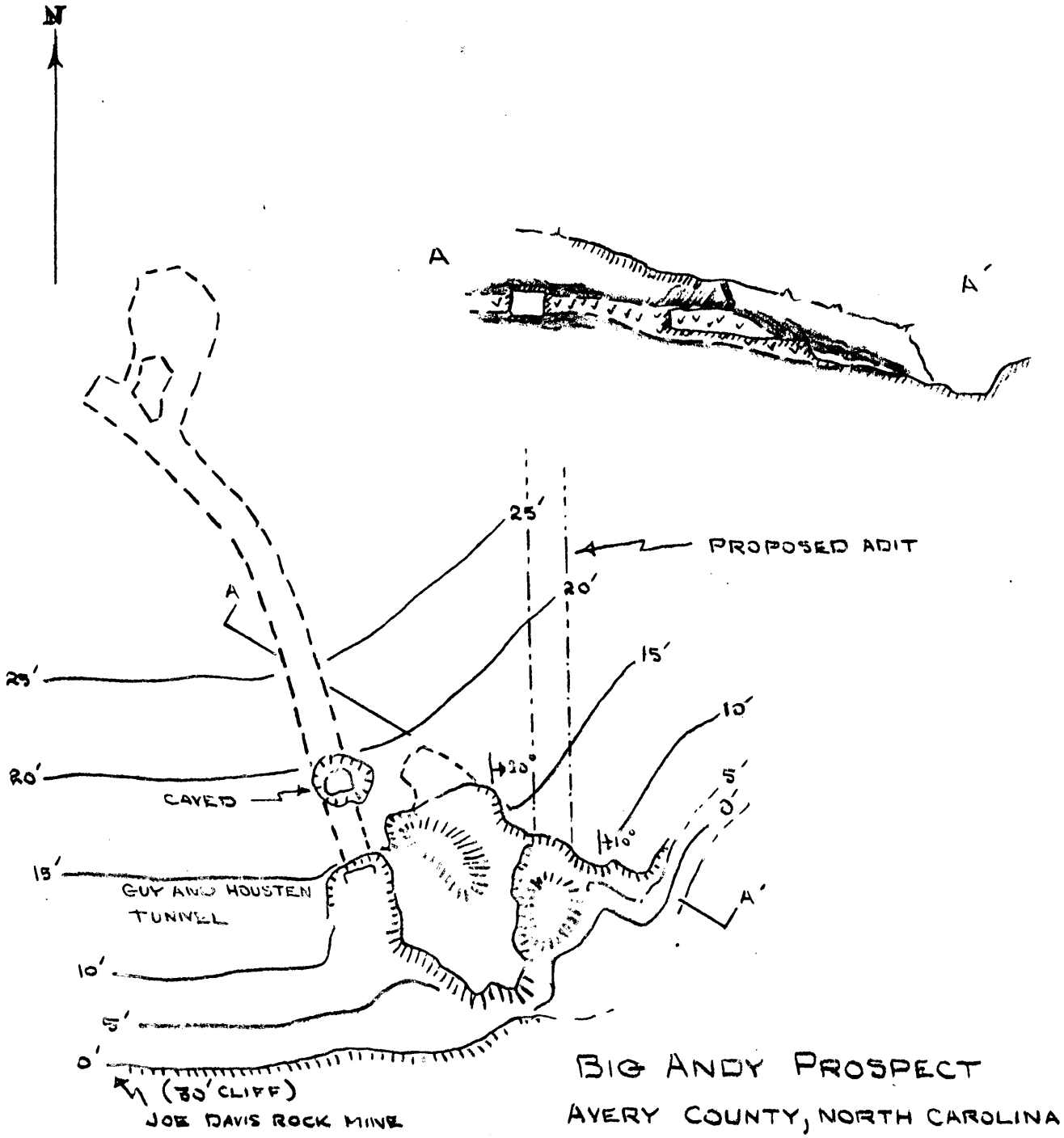
SCALE: 1" = 20'

7/56



BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

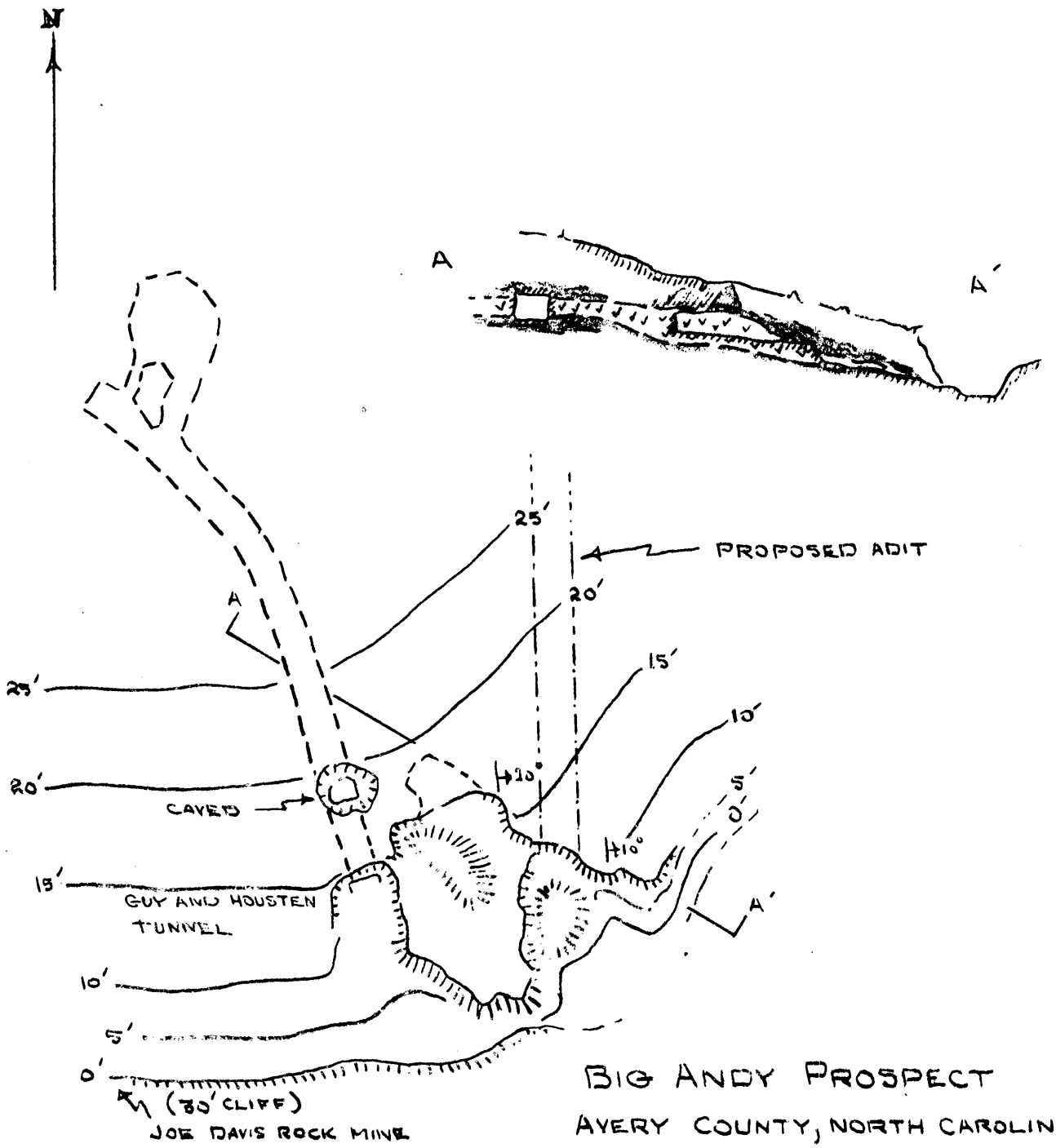
LEGEND

- PEGMATITE
- MICA GNEISS AND SCHIST
- ROCK CUT
- DUMP

SCALE: 1" = 20'

7/56

RECEIVED
AUG 17 1995
OSTI



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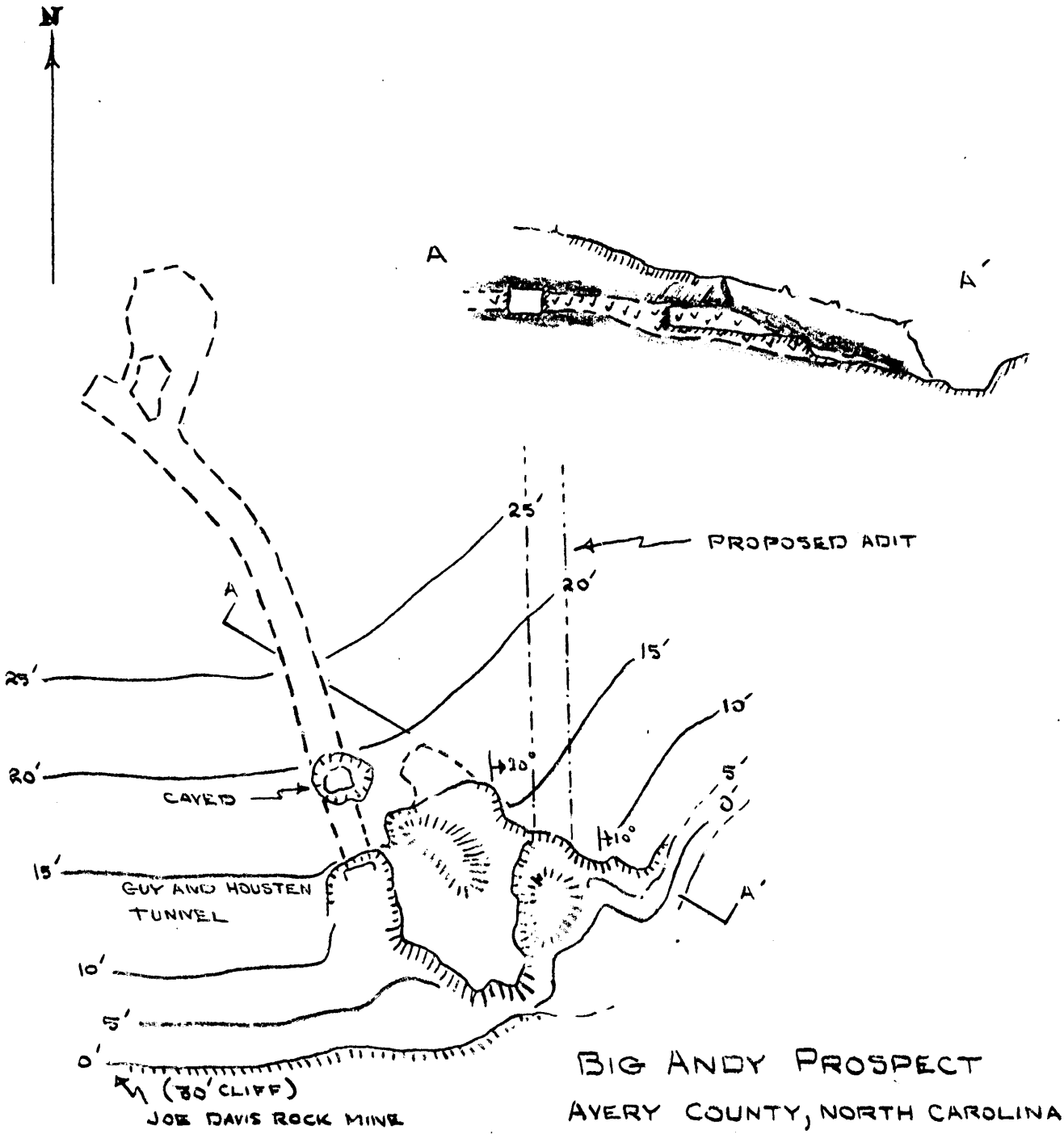

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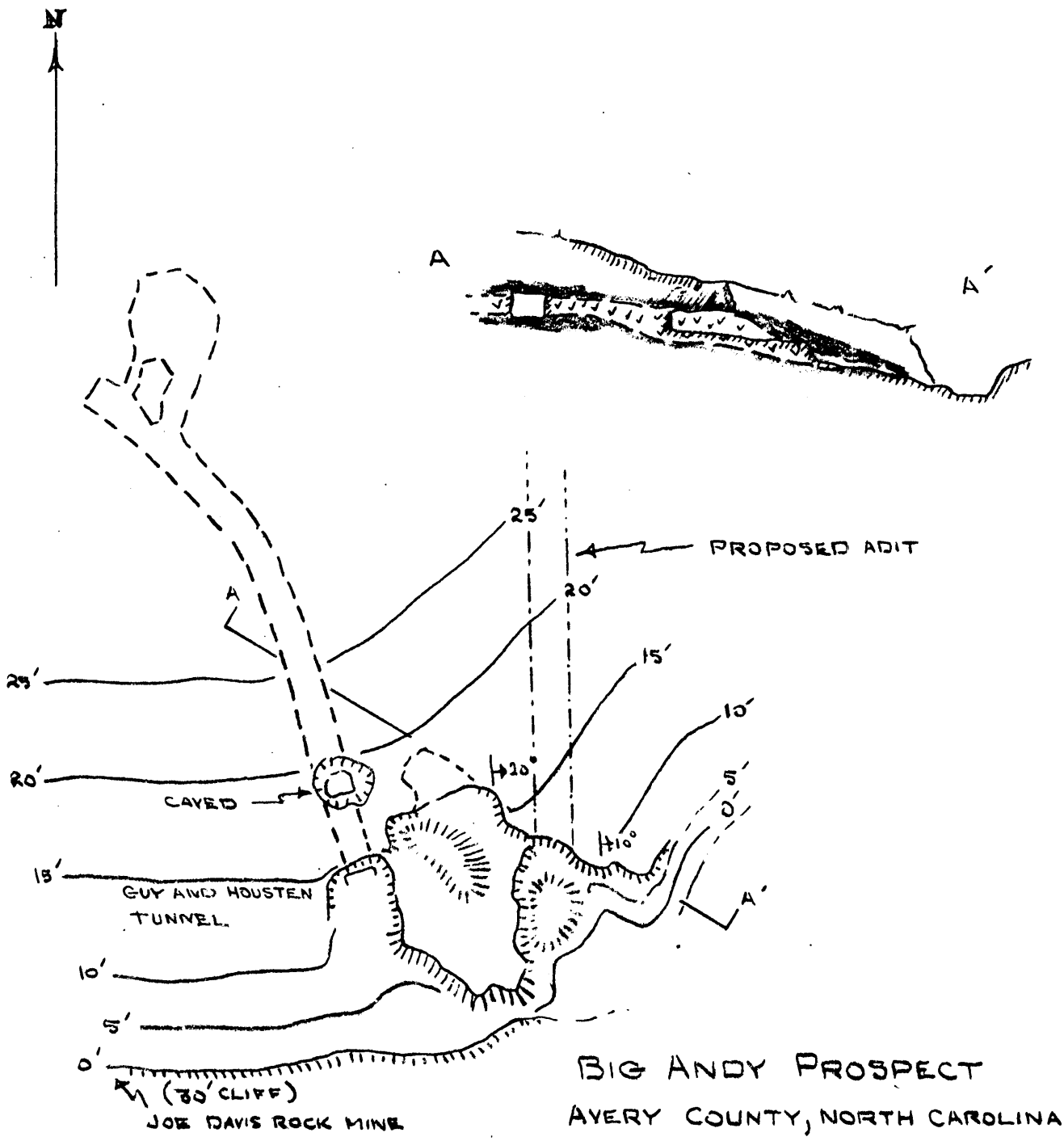

BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

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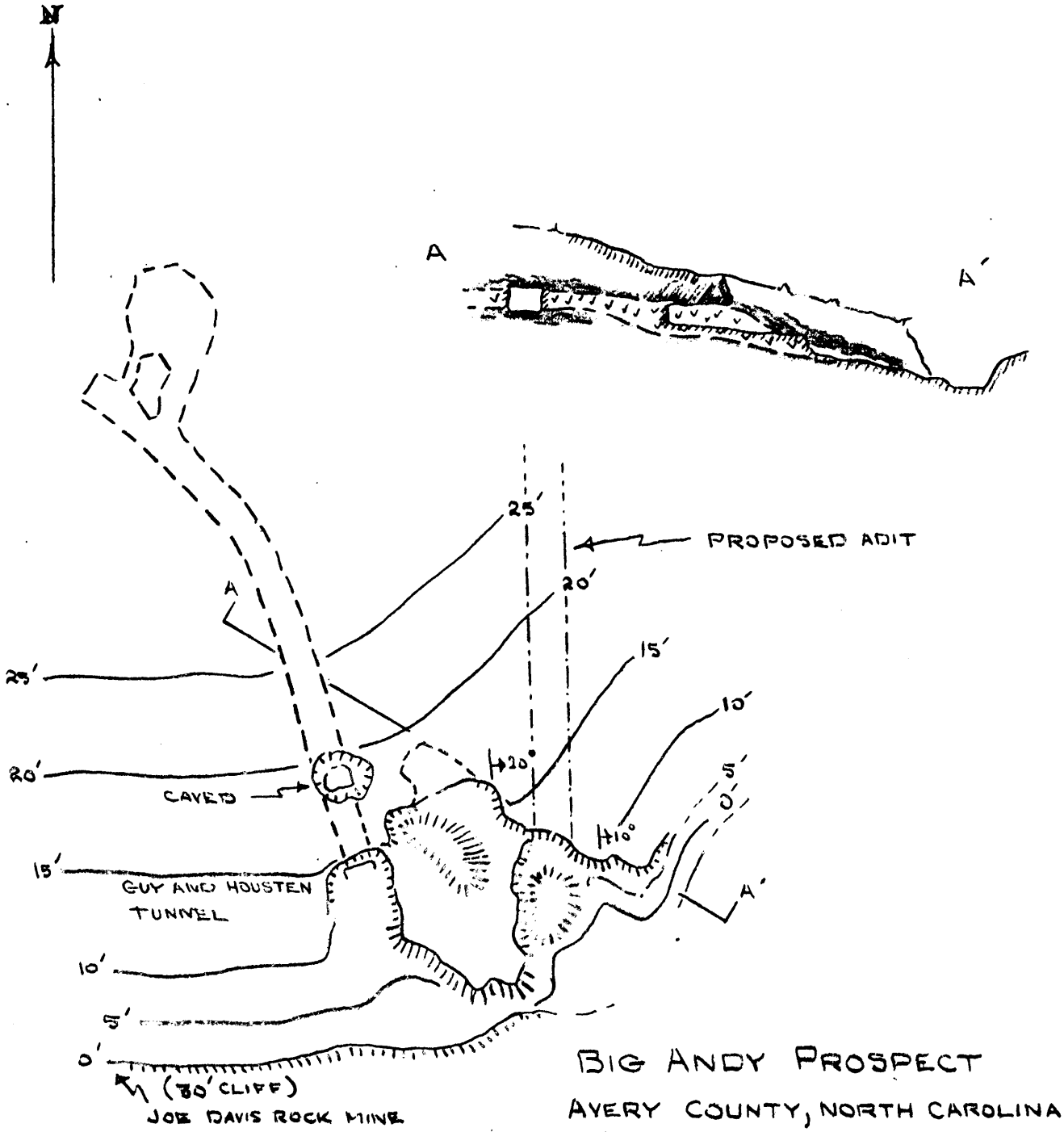
7/56

CLEARINGHOUSE



BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

- PEGMATITE
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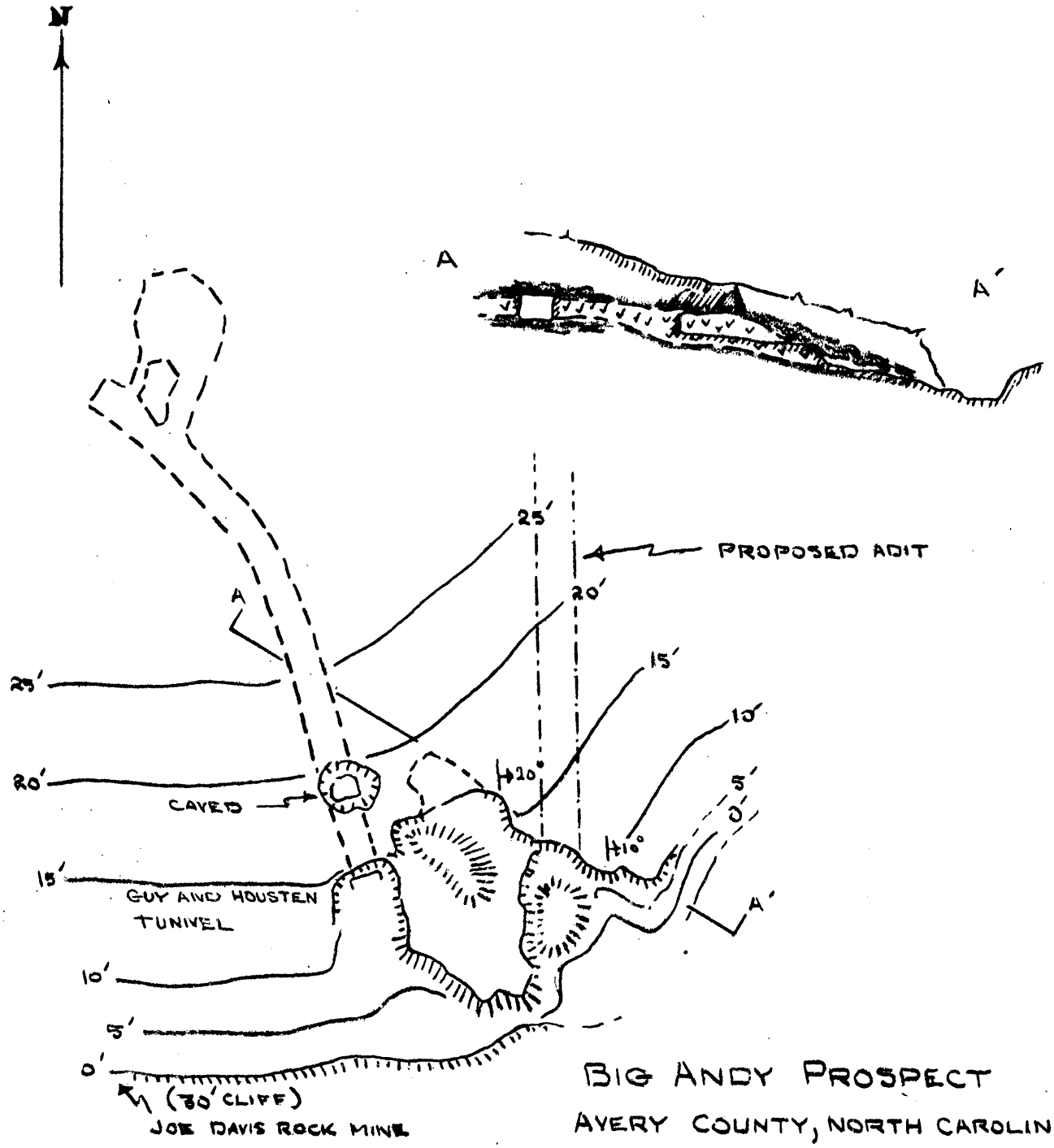
- DUMP

SCALE: 1" = 20'

7/86

AUG 17 1955
CHANGED



BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

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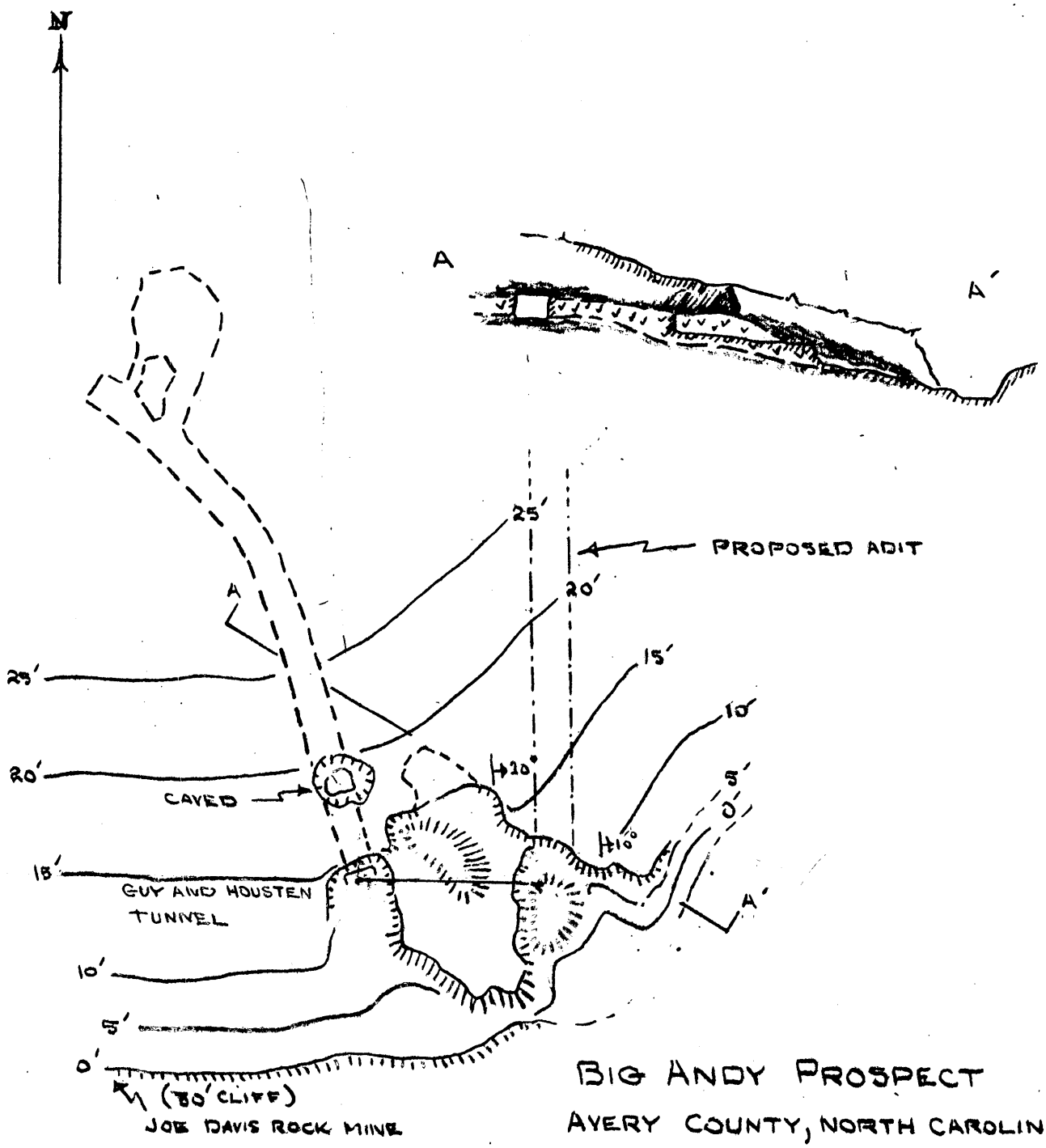
7/56

RECEIVED
APR 1 7 1995



BIG ANDY PROSPECT

AVERY COUNTY, NORTH CAROLINA

DMEA - 4298

LEGEND

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SCALE: 1" = 20'

7/56

RECEIVED
AUG 17 1953