DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA ~~DMA~~ Docket No. 2644

DO NOT DETACH THIS SLIP

Action on this document is recorded and controlled in Reports and Records Branch. Any movement of this document between divisions or offices of DMA or movement outside DMA must be reported to the Reports and Records Branch. Actions taken that affect status of the case must also be reported.

This document has been recorded as

EXPLORATION PROJECT

Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip- Copies to USBM and USGS. One copy retained by Region III.

To:	Code 600, Rm. 4637	Date	8-8-52
To:	Robertson	Date	8/11/52
To:	Op Com	Date	8-18-52
To:	Oper Com	Date	4-10-53
To:	Oper Com	Date	10-2-53
To:		Date	
To:		Date	
To:		Date	
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CONTROLLED DOCUMENT

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

October 20, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Denial and closing.

Docket No. DMEA-2644 - Asbestos
Louis M. Rattaro
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospects
Siskiyou County, California

Property: The mine, known as the Mt. Eddy Asbestos Prospects is located in Sec. 19, T. 41 N., R. 5 W., 5 miles S. W. from Weed, California
Applicant: Louis M. Rattaro, Mt. Shasta Mining Company, 104 - 21st Street, Richmond, California.
Project Requested: 4 to 8 diamond-drill holes totaling a minimum of 1,100 feet to a maximum of 2,300 feet.
Estimated cost: $11,000 to $21,500
Note: This application was filed August 1, 1952. Previously a request had been made with DMPA for a mill, DMPA-2184. This DMPA application was denied and applicant referred to DMEA for exploration project.

Denial and closing: Closed in accordance with Administrator's letter of denial October 5, 1953 (A copy of letter is attached hereto.)

Summary of Docket:

8/1/52 Received memorandum from H. C. Miller, Executive Officer, Region III regarding former DMPA-2184 and enclosed a Supplement Report on the Mt. Eddy Asbestos Prospects prepared by E. J. Matson, U.S. Bureau of Mines. This report outlined a diamond-drilling exploration program. Included were maps, Fig. 1 "Location Map", Fig. 2 "Drilling Plan" and Fig. 3 "General Cross-sections".

8/4/52	Long distance phone call on project between Mr. Miller, Region III and Mr. Houk, Chief, Nonmetallic Minerals Division.
8/8/52	Received application for exploration aid from Mr. Louis M. Rattaro, Mt. Shasta Mining Co., 104-21st Street, Richmond, California.
8/8/52	Application assigned docket number DMEA-2644.
8/11/52	Memorandum from Paul L. Weis, Geological Survey, recommending the program of diamond drilling suggested by E. J. Matson, USBM.
8/21/52	Letter to H. C. Miller, Region III, from Operating Committee pointing out additional information needed. (1) Is applicant an individual or a duly incorporated company? (2) Clarify ownership of S.1/2 of Sec. 19, T.4N., R.5 W. (3) Present core-drilling bids. (4) Book and page number of recorded mining locations. (5) Proper survey tie-in.
4/10/53	Letter to Region III from Operating Committee requesting information on progress being made to clear title and leases.
6/2/53	Executive Officer request Mr. Louis M. Rattaro to clear ownership of property holdings.
6/4/53	Memorandum from Mr. Miller, Region III, advising Operating Committee that Mr. Rattaro wants another week and that there remained only one more signature and that he was doing his best to get it.
7/21/53	Letter to Mr. Rattaro again asking if he has yet cleared title papers for the Mt. Eddy Asbestos Prospects.
7/28/53	Received newspaper clipping reporting that Mr. Louis M. Rattaro had drowned July 20, 1953 while fishing near his home.
8/4/53	Received copy of a letter addressed to Mr. Miller from Al Rattaro, brother of the deceased applicant, reporting that their oldest sister was named Executrix of his brother's estate.
8/14/53	Memorandum from Mr. Miller, Region III, to Operating Committee asking what should be done with application. Also stated that applicant's brother had expressed desire to keep application alive.
8/18/53	Letter to H. C. Miller from Operating Committee suggesting that a denial of application without prejudice would probably be the best solution and successors in interest could submit new application.
8/25/53	Executive Officer, Region III, advised Al Rattaro by letter that application of his deceased brother Louis should be denied and after title papers are in order they could file a new application.

Resume:

The supporting data submitted by the applicant on Form MF-103 was in many respects incomplete, particularly as to rights, titles and lease covering the land of the Mt. Eddy Asbestos Mine. This was taken up with Mr. Louis M. Rattaro and for many months he endeavored to clear titles to put the application in order for processing. However, his death intervened, and clarification of his rights to operate were never completed. Under the circumstances it was deemed best to deny the application, DMEA-2644, without prejudice. Accordingly, a letter of denial was prepared, a copy of which is attached hereto, and sent to Mr. Albert Rattaro, brother of the deceased applicant. The docket is, therefore, closed with this letter of denial.

Jasper T. Robertson

Jasper T. Robertson
Nonmetallic Minerals Division

Attachment

FILE COPY
SURNAME:

Robertson
Hash

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

October 20, 1953

Memorandum

To: Administrator

From: Nonmetallic Minerals Division

Subject: Denial and closing.

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Louis M. Rattaro
Mt. Shasta Mining Company
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H.C.H.
12-7-53

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Jasper T. Robertson
Nonmetallic Minerals Division

Attachment

JTRobertson:gad 10/20/53
Copy to: Admr. R. File
Docket File
Mr. Houk

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

Rewritten by Houk

October 5, 1953

Mr. Albert Rattaro
Box 944
Mt. Shasta, California

Re; Docket No. DMEA-2644 (Asbestos)
Louis M. Rattaro
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Rattaro:

Reference is made to your letter of August 4, 1953, advising Mr. H.C. Miller, Executive Officer, Region III, of the death of your brother, Louis M. Rattaro, doing business as Mt. Shasta Mining Company, and expressing the desire of the estate to proceed with obtaining exploration assistance on the Mt. Eddy Asbestos Prospect.

The application filed August 8, 1952, by the Mt. Shasta Mining Company is therefore denied without prejudice as to the merits of the project. When the decedent's heirs, representatives or other successors in interest have established a sufficient interest in the land for the purpose of a contract this office will be pleased, upon receipt of a new application, to give your proposal every consideration.

Sincerely yours,

/s/
Frank E. Johnson
Acting Administrator

LGHouk/gad 9/11/53
Rewritten by AEKane/ema 10-1-53
cc: Mail & Files
Adm. R. File
Op. Comm.
L. G. Houk
A. E. Kane
J. L. Hofflund
Mr. Thayer
Mr. Hedges
Chron.
Pending
Field Team, Region III

FILE COPY
SURNAME:

140

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

Rewritten by

Houk
AEKane
Burin
Hofflund
Hedges
Jeffrey

OCT - 5 1953

Mr. Albert Rattaro
Box 944
Mt. Shasta, California

Re: Docket No. DMEA-2644 (Asbestos)
Louis M. Rattaro
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

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Sincerely yours,

Frank E. Johnson
Acting Administrator

LGHouk/gad 9/11/53
Rewritten by AEKane/ema 10-1-53
cc: Mails & Files
Adm. R. File
Dp. Comm.
L. G. Houk
A. E. Kane
J. L. Hofflund
Mr. Thayer
Mr. Hedges
Chron.
Pending
Field Team, Reg III (2)

R.C.S. 10-5-53

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

1012 Flood Building
870 Market Street
San Francisco 2, Calif

August 25, 1953

Mr. Albert Rattaro
Box 944
Mt. Shasta, California

Re: Docket DMEA-2644 - Asbestos
Louis Rattaro
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Rattaro:

Reference is to my letter dated August 7, in which I promised to reply to your letter of August 4 upon receipt of instructions from the Washington Office of the Defense Minerals Exploration Administration as to the best procedure to follow should you care to make application for an exploration loan in your name.

Our records show that your brother - Mr. Louis Rattaro, operated as an individual under his own name or as the Mt. Shasta Mining Company. Inasmuch as the application was signed Mt. Shasta Mining Company by Louis Rattaro, the identity of the Mt. Shasta Mining Company must be established now that your brother is deceased.

Probably the best and easiest way to handle the matter is for us to deny the application without prejudice, indicating to the Mt. Shasta Mining Company that when they have established sufficient interest in the land as owner, lessee or otherwise, for the purpose of the exploration contract, the Washington Office of the Defense Minerals Exploration Administration will be pleased to reopen their case upon receipt of a new application.

As you may desire to make a new application for an exploration loan, a set of loan application forms, a copy of DMEA Order 1, and a copy of the booklet entitled, "The Defense Minerals Exploration Program", are enclosed. Please note that applications for a loan must be filed in quadruplicate.

We will be very happy to help you in preparing your application if you should need assistance.

OK

In reviewing our file we find that your brother's last efforts in connection with his application for an exploration loan were to get a clear title to the Mt. Eddy Asbestos Prospect and that he lacked only one signature. Was he able to get that signature?

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Enclosures

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS

FILE COPY
SURNAME:

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

AUG 1 8 1953

Houk
Coffman
Potter
Chandler
Martin
Mitchell

Mr. H. C. Miller
Executive Officer, DMEA
Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Subject: Docket No. DMEA-2644 - Asbestos
Louis Rattaro
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Miller:

Reference is made to a copy of a letter of August 7, 1953, from you to Albert Rattaro, brother of the deceased applicant, on the Mt. Eddy Asbestos Prospect.

Your letter of August 7, 1953, indicates Mr. Louis Rattaro operated as an individual under his own name or as the Mt. Shasta Mining Company. Inasmuch as the application was signed Mt. Shasta Mining Company by Louis Rattaro the identity of the Mt. Shasta Mining Company must be established now that Rattaro is deceased. The simple solution of the problem is probably to deny the application without prejudice indicating to the Mt. Shasta Mining Company that when they have established sufficient interest in the land as owner, lessee, or otherwise, for the purpose of the exploration contract, this office will be pleased to re-open their case upon receipt of a new application.

Sincerely yours,

W. S. Martin
EST
ACTING Chairman, Operating Committee

Approved:

J. H. Hedges
EST
Member, Bureau of Mines

Dan Larrabee
by EST
Member, Geological Survey

LGHouk:gad 8/12/53
Copy to: Admr. R. File
Docket File
Operating Committee
Dr. Bowles, 3520
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

HHH 8-18-53

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 14 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

August 10, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2644 (Asbestos)
Mt. Shasta Mining Company, Mt. Eddy Asbestos Prospect
Siskiyou County, California

Attached is a copy of a letter dated August 4, 1953, from Mr. Albert Rattaro requesting information on what he should do, supposedly to keep the application alive.

The letter which Mr. Rattaro refers to apparently is my letter to Mr. Louis Rattaro dated July 21, 1953, of which you have a copy.

Will you kindly advise as to what I should tell Mr. Albert Rattaro to do to keep the application open.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS

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

Defense Minerals Administration
RECEIVED
AUG 14 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

August 10, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2644 (Asbestos)
Mt. Shasta Mining Company, Mt. Eddy Asbestos Prospect
Siskiyou County, California

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H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS

COPY

MT. SHASTA MINING COMPANY
Metallic & Non-Metallic Minerals

August 4, 1953

Mr. Harold Miller:

Dear Sir:

Excuse me for writing this way but I am Lou Rattaro's brother Albert. Lou was drowned July 20 off Point Richmond while out fishing with another fellow. His body was found next day and his partner's body found six days later. My oldest sister was named Executrix of his Estate. We are going to keep it going. I have been up here at the mine since it started. He always talked about you as one of the best fellows he ever knew.

In his last mail we found a letter from you about keeping the account open for money for drilling purposes. We sure want to do anything we can. We have not looked through all his papers on what he has done up to date, so can you send me any information on what we should do to keep this mine going. Thank you for all you have done.

Sincerely,

/s/ Al

Box 944
Mt. Shasta, Calif.

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration

1012 Flood Bldg.
870 Market Street
San Francisco 3, Calif.

July 21, 1953

Re: Docket DMEA-2644 - Asbestos
Louis Rattaro
Mt. Shasta Mining Company
Richmond, California

San Pablo Man's Body is Found

The body of Lou Rattaro, 45, a San Pablo produce merchant, was recovered today from San Pablo Bay.

He and Charles Benedict, 34, a roofer, went out on the bay yesterday afternoon for a couple of hours of fishing, as Rattaro had done almost every afternoon for the past 20 years.

A Coast Guard helicopter spotted the body near an overturned skiff.

The search continued for Benedict.

July 21 1953

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 27 1953

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

July 21, 1953

Mr. Louis Rattaro
Mt. Shasta Mining Company
104 - 21st Street
Richmond, California

Re: Docket DMEA-2644 (Asbestos)
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Rattaro:

It is now over a month since you informed us of the difficulty you were having in locating the last party whose signature is needed to complete clearing the title to your Mt. Eddy Asbestos Prospect. When you telephoned this office on June 4, you thought that everything would be "signed and sealed" in another week.

To date, however, we have not heard from you concerning the outcome of your efforts to get the remaining signature. We would like to hear from you promptly regarding this matter so our Washington office may be informed on whether or not to keep your application open a short time longer.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Copy to: Operating Committee, DMEA, Washington
E. H. Bailey, USGS

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 9 1953

Office of
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 4, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2644 (Asbestos)
Mt. Shasta Mining Company, Mt. Eddy Asbestos Prospect
Siskiyou County, California

Reference is made to your letter dated April 10, 1953, and to a telephone call to this office during my official trip to Bartlesville, Oklahoma, last week, both questioning whether or not Mr. Rattaro is still interested in an exploration loan.

Mr. Rattaro phoned the office this morning in reply to a letter we sent to him on June 2, informing my secretary that he has succeeded in getting the signatures of all but one of the owners of the property. To date he has not been able to locate that man. Mr. Rattaro asked that he be granted another week's time to secure the lacking signature, or at least to attempt to secure it.

Mr. Rattaro stated that it was quite a surprise to him when only the other day he received a communication from DMPA that his application for a production loan (DMPA-2184) was being certified to RFC.

I will let you know next week whether Mr. Rattaro was successful in obtaining the remaining signature and of his wishes regarding his exploration application.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: E. H. Bailey, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
WASHINGTON
JUN 8 1953

Office of
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 2, 1953

Mr. Louis Battaro
Mt. Shasta Mining
104 - 21st Street
Richmond, California

Re: Docket DMEA-2644 (Asbestos)
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, Calif.

Dear Mr. Battaro:

We have again heard by telephone from the Washington office of the Defense Minerals Exploration Administration. This time we were advised that they intend to disapprove your project, unless they receive formal data relative to the status and clarification of ownership of the property.

We will have to work fast if we are to get through a loan on your property, as the present Act under which loans are made is scheduled to expire June 30, 1953.

May we hear from you regarding the latest developments at a very early date.

Sincerely yours,

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS

FILE COPY
SURNAME:

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

APR 1 0 1953

Mr. H. C. Miller
Executive Officer, DMEA
Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Subject: Docket No. DMEA-2644 - Asbestos
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Miller:

Reference is made to the subject application for exploration assistance on the Mt. Eddy Asbestos Prospect in California.

There has been no action on this application for over six months and we presume that the applicant has lost interest. Please write him inquiring of his wishes in this matter and suggest that he withdraw his application if he is unable to obtain legal rights to conduct an exploration project in Section 19, T 41 N, R 5 W, Siskiyou County, California.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Approved:

J. H. Hedges
Member, Bureau of Mines

A. R. Kinkel, Jr.
Member, Geological Survey

J. C. 4/10/53

LGHouk:gad 4/8/53
Copy to: Admr. R. File
Docket File
Field Team, Region III
Operating Committee
Dr. Bowles, 3522
Mr. Larrabee, G-232 GSA Bldg.
Mr. Houk

FILE COPY
SURNAME:

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

AUG 21 1952

Joseph Selfridge

Mr. H. C. Miller
Executive Officer, DMEA
Field Team, Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Subject: Docket No. DMEA-2644 - Asbestos
Mt. Shasta Mining Company
Mt. Eddy Asbestos Prospect
Siskiyou County, California

Dear Mr. Miller:

Reference is made to your letter of August 6, 1952, on the subject docket (please note DMEA-2644).

The Supplemental Report on the Mt. Eddy Prospect did not follow the outline of Memorandum No. 9 of July 15, 1952, from the Operating Committee to all Field Teams. It is not possible to further process this application until the following information has been received in this office:

1. Name of applicant. Your letter on this point is not clear, but inasmuch as the application is signed for the Mt. Shasta Mining Company by Louis M. Rattaro, it is assumed that the Mt. Shasta Mining Company is the applicant. Kindly verify this.

2. The ownership of the south half of Sec. 19, T41NR5W must be clarified before the application can be processed. If it is found that the Pine Box Manufacturing Company owns the mineral rights in this area, it will be necessary to have a copy of the lease showing the lessor and lessee; six signed copies of Owner's Consent to Lien; a statement by the applicant that the lease is in good standing; and a statement on the length of the lease. If the leases are to Louis M. Rattaro, then Mr. Rattaro must make an assignment of the leases to the Mt. Shasta Mining Company.

3. The applicant should obtain bids from three drilling contractors for each of the two stages of the drilling. A copy of these bids should be submitted to this office. The drilling contractors should be asked to include in their bids the care and transportation of the drill cores to a central point.

4. The book, page, and county of recording of the newly located claims should be sent this office, if the claim locations are found to be valid.

5. We should have a tie-in to a corner to show location of principal open-cut workings, where diamond drilling is to be done, with relation to Section 19.

6. Can the work be done without hindrance of weather; can the work go on in the winter months.

We would prefer to set up the drilling on a unit basis, including moving, boxing, and gathering cores. The items of geologic mapping, sampling, and mineral testing we could set up in a lump contingent sum, say $1,500 or $2,000, and make its use subject to the approval of the Regional Executive Officer.

We would appreciate it if you would call this office, when you have the above information.

Sincerely yours,

8/21

D. C. Lefridge (GHB)

ACTING Chairman, Operating Committee
Defense Minerals Exploration
Administration

Approved:

C. W. Johnson (GHB)
Member, Bureau of Mines

D. M. Lemmon (GHB)
Member, Geological Survey

LGHouk:gad 8/18/52

Copy to: Admin. Reading File
Docket File
Operating Committee (2)
Dr. Bowles, 3522
Mr. Norton, G-232 GSA Bldg.
Mr. Houk

IN REPLY REFER TO:
G-MD-CNM

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

August 11, 1952

J T Robertson

Memorandum

REVIEW OF APPLICATION DMEA-2644 (Asbestos)

To: L. G. Houk, Defense Minerals Exploration Administration
From: P. L. Weis, U. S. Geological Survey
Applicant: Louis M. Rattaro.
Name of property: Mt. Eddy Asbestos Prospect.
Location of property: Siskiyou County, California.
Estimated cost of project: $21,500.
Summary of applicant's proposal: Two stages of exploratory drilling, each to consist of 4 holes including 1,100 feet total footage. Sampling, grading of drill cores.
Sources of information on applicant's property: DMPA field team report (July 16) by Matson and Chidester.
Comments: Both the geologists' report and the engineer's report on the DMPA application recommended exploration. The applicant's proposal is the drilling program recommended in a supplement to the field team report. Some geologic mapping of the property might be in order.
RECOMMENDATION: Approval of the application.

Paul L. Weis

Paul L. Weis

DEPARTMENT OF THE INTERIOR
AUG 11 1952

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-2644
Metal or Mineral
Date Received 8-8-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Louis H. Rattaro, Mt. Shasta Mining Co.
104 - 21st Street, Richmond, California

(*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

(*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.

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG 8 1952

16—66551-1

5. *The exploration project.*—(*a*) S[redacted] the mineral or minerals for which you wis[redacted] 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.

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(*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 August - 6 -, 1955

Mt. Shasta Mining Co.
(Applicant)

By Louis Lattin

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

Louis Rattaro, Mt. Shasta Mining Co.

3 (a) See report by Mr. Matson, Bureau of Mines. Various properties.

(b) Mt. Eddy Mining District.
(c) Claims and leases.
(d) Title search as to ownership at present.
(e) None.
(f) Vol. 262, Pg. 257, County of Siskiyou. S. ½ sec. 19 Town. 41N. Range 5W MDM, So. Siskiyou, State of California. Also see report MF 102 for additional lands.

4 (a) Refer to preliminary report MF100. Also see report of Mr. Matson, Bureau of Mines.
(b) Same as 4 (a).
(c) Same as 4 (a).
(d) Same as 4 (a).
(e) Same as 4 (a).

5 (a) Asbestos.
(b) See report of Mr. Matson, Bureau of Mines.
(c) Work will start as soon as exploratory loan is granted and will be finished within 60 days.
(d) Refer to F.M. 100.

6 (a thru h) Refer to report of Mr. Matson, Bureau of Mines.

7 (a) Yes.
(b) Money.

EXPLORATION

Subject: DMEA-2644
Re: Exploration Assistance
Mt. Eddy Asbestos Prospect
August 8, 1952

Mr. Louis M. Rattaro
Mt. Shasta Mining Co.
104 - 21st Street
Richmond, California

My dear Mr. Rattaro:

This will acknowledge receipt of your application dated August 6, 1952, for a loan under the Defense Production Act of 1950.

Your application was assigned Docket Number DMEA-2644 and referred to the Non-Metallic Minerals Division.

Kindly refer to DMEA-2644 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

7862

August 8, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region III

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 submitted from Region III.

DMEA-2644 - Mt. Shasta Mining Co.

ROBERT E. ADAMS

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

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 8 1952

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

August 6, 1952

Air Mail

Memorandum

To: Defense Minerals Exploration Administration, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for exploration assistance (asbestos)
Re: Docket DMPA-2184, Mt. Eddy Asbestos Prospect, Mt. Shasta Mining Co., Siskiyou County, California

Reference is made to Mr. Houk's telephone call of a week or so ago, requesting copies of Form MF-103 signed by Mr. Rattaro as to ownership of the property involved in the proposed exploration. This has been done, and four copies of MF-103, signed by Mr. Rattaro, are attached.

According to Mr. Rattaro, who is operating as an individual under his own name or as the Mt. Shasta Mining Company, there is some question whether there is need for him to lease the property of the Pine Box Manufacturing Company, that company having acquired the property from the Southern Pacific Railroad. Mineral rights, other than iron and coal, do not seem to be a factor in the change of ownership of Section 19, so Mr. Rattaro has filed six location notices on the property he is interested in exploring for asbestos. His attorney is having a thorough search of the title made, and we should know his conclusions in a few days. If a subordination agreement is needed, Mr. Rattaro said the Pine Box Manufacturing Company has agreed to sign such subordination.

Kindly let us know if we can do anything further to expedite the loan application.

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachments
Copy to: E. H. Bailey, USGS

-103
pril 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-2644
Metal or Mineral
Date Received 8-8-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Louis M. Rattaro, Mt. Shasta Mining Co.
104 - 21st Street, Richmond, California

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Defense Minerals Exploration Administration
AUG 8 1952

16—66551-1

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(*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.

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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Dated August - 6 -, 1952

Mt. Shasta Mining Co.
(Applicant)

By Louis Bartens

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

Louis Rattaro, Mt. Shasta Mining Co.

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7 (a) Yes.
(b) Money.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

Not to be filled in by applicant

Docket No. DMEA-2649
Metal or Mineral
Date Received 8-8-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

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DEPARTMENT OF THE INTERIOR
Science Library
16—66551-1
AUG 8 1952

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Dated August - 6 -, 1952

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By Louis Pattiro

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

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7 (a) Yes.
(b) Money.

August 4, 1952
12:15 PM

Mr. Lawrence G. Houk called Mr. H. C. Miller, Region III (Telephone No. YUKON 2-5800, San Francisco, California)

Mr. Houk advised Mr. Miller that he had received the Rattaro field team report but that he didn't have an application from Rattaro. He also advised Mr. Miller that DMPA has an application for a loan to build a mill, etc. for a loan application.

Mr. Miller said he could get Rattaro and get him to make another application, he seemed to think that Rattaro supposed the loan application would suffice. He advised Mr. Houk that he would get in touch with Mr. Rattaro this morning.

Mr. Houk said he would start to process and hold until the application is received. He also asked Mr. Miller to find out if Rattaro owns the property, and if not to get a subordination agreement, and if not an Owner's Consent to Lien.

Mr. Miller said he would get the information and forward the application as rapidly as possible with the needed Owner's Consent to Lien, if applicable.

August 4, 1952
12:15 PM

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Mr. Houk advised Mr. Miller that he had received the Rattaro field team report but that he didn't have an application from Rattaro. He also advised Mr. Miller that DMPA has an application for a loan to build a mill, etc. for a loan application.

Mr. Miller said he could get Rattaro and get him to make another application, he seemed to think that Rattaro supposed the loan application would suffice. He advised Mr. Houk that he would get in touch with Mr. Rattaro this morning.

Mr. Houk said he would start to process and hold until the application is received. He also asked Mr. Miller to find out if Rattaro owns the property, and if so to get a subordination agreement, and if not an Owner's Consent to Lien.

Mr. Miller said he would get the information and forward the application as rapidly as possible with the needed Owner's Consent to Lien, if applicable.

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Bldg.
870 Market St.
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 1 1952

July 31, 1952

Air Mail

Memorandum

Attn: Mr. L. Houk

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

From: Executive Officer, DMEA Field Team, Region III

Subject: DMPA-2184 (Asbestos), Mt. Eddy Asbestos Prospect, Mt. Shasta Mining Co., Siskiyou County, California

Reference is made to Mr. Houk's telephone call this morning, at which time I told him that a supplemental report on subject property had just come in from our Mining Division.

Enclosed herewith are four copies of supplemental report - DMPA-2184, Mt. Eddy Asbestos Prospect, Mt. Shasta Mining Co., Siskiyou County, Calif., by E. J. Matson, Mining Engineer, U. S. Bureau of Mines, dated July 28, 1952. This supplements report, dated June 16, 1952, by A. H. Chidester, Geologist, and E. J. Matson, Mining Engineer, four copies of which were mailed to DMPA with my memorandum of July 8 in connection with subject docket.

The examining engineer has suggested a drilling program of 2,300 feet. The first phase of this program would be to drill four holes with a minimum footage of 1,100 feet. If the first four holes encountered good grade of asbestos, then four additional holes would be spaced 200 feet apart, horizontal, to intersect the ore zone from 50 to 100 feet below the surface. However, if the first four holes proposed did not encounter a good grade of fiber, the second part of the program would not have to be carried out.

The minimum program would cost approximately $11,000 and the maximum program would cost $21,500.

H. C. Miller
Executive Officer, DMEA Field Team
Region III

Attachment
Copy to: E. H. Bailey, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
OSCAR L. CHAPMAN, SECRETARY

DEFENSE MINERALS ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2644

SUPPLEMENT

DMPA-2184, Mt. Eddy Asbestos Prospect, Mt. Shasta Mining Co.

Siskiyou County, Calif.

E. J. Matson, Mining Engineer
U. S. Bureau of Mines

July 28, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 1 1952

DMEA-2644

SUPPLEMENT

DMPA-2184, MT. EDDY ASBESTOS PROSPECT, MT. SHASTA MINING CO.

Siskiyou County, Calif.

PROPOSED DRILLING PROGRAM

Introduction:

The Mt. Eddy asbestos prospect was examined on May 1, 2, and 3, 1952 by a DMEA Field Team[1/] in regard to a loan application for the construction of a mill on the property in the amount of $48,000.00.

Due to shallow or limited work on the property, the erection of a mill was not justified until further exploratory work indicates a favorable reserve and a better grade of asbestos below the weathered zone.

The applicant at that time was adverse to any exploratory work prior to mill construction. However, since then the applicant has expressed his desire to explore the property under an exploration contract.

The property is fully described in the previous report by the DMEA Field Team and further repetition is unnecessary. This report deals with a proposed exploratory drilling program supplemented by the following illustrations:

Fig. 1 Location map.
Fig. 2 Drilling program (plan)
Fig. 3 Generalized cross-section through proposed holes 1 and 2.

EXPLORATORY DRILLING PROGRAM

It is suggested that the area covering the ground in Figure 2 be accurately mapped by the U.S.G.S. or Bureau of Mines. The enclosed sketch (Fig. 2) is just a crude reconnaissance, made free-hand, in the field. The

1/ E. J. Matson, Mining Engineer, U. S. Bureau of Mines, and A. H. Chidester, Geologist, U. S. Geological Survey.

immediate area as shown would suffice for the drilling program. With the contours firmly established and outcrops and mineralized zone plotted, the spacing and length of holes can be intelligently planned.

Four holes with a total minimum footage of 1,100 feet (as shown by figs. 2 and 3) should be done first. If the first four holes encounter a good grade of asbestos, then four more holes spaced 200 feet apart horizontally to intersect the ore zone 50 to 100 feet below surface should be drilled to complete the exploration of the area. Otherwise, if the first four holes do not encounter a good grade of asbestos, the project should be terminated, with the minimum footage.

Estimation of fiber content should be made by visual inspection and by actual count in the field. After visual inspection in the field, core sections should be sent to Dr. Oliver Bowles, consultant, U. S. Bureau of Mines, South Interior Bldg., Washington 25, D. C. for further analysis.

Other asbestos laboratories where samples apparently could be sent, are as follows:

Union Asbestos & Rubber Co., 1813A S. 54th Ave., Cicero 50, Ill.

Asbestos Corp. of America, 90 West Street, New York 6, N.Y.

Keasbey & Mattison Co., 1950 Mitchell Ave., Ambier, Pa.

The Philip Carey Mfg. Co., Wayne Avenue at Mills, Cincinnati 15, Ohio.

Johns-Manville, 22 E. 40th Ave., New York 16, N.Y.

Powhatan Mining Co., 6725 Windsor Mill Road, Woodlawn, Baltimore 7, Md.

Asbestos Textile Company, Inc., Division of Gatke Corporation, 228 N. La Salle St., Chicago, Ill.

The cost of sending asbestos to the above private firms is not known. In order to get that information the applicant should get in touch with the above firms.

Estimated drilling costs (minimum).

1,100 feet drilling @ $7.00 (contract)	$7,700.00
Supervision, 3 months @ $450.00/mo.	1,350.00
40 core boxes @ $4.50	180.00
Sampler $14/day - 3 months (6 day week)	1,183.00
Sample shipments (mill tests) etc.	587.00
Total	$11,000.00

Bailey + I question need for this sampler NWR

Estimated drilling costs (additional).

1,200 feet drilling @ $6.00 (contract)	$7,200.00
Supervision, 3 months @ $450.00	1,350.00
43 core boxes @ $4.50	193.50
Sampler $14/day - 3 months (6 day week)	1,183.00
Sample shipments (mill tests) etc.	573.50
Total	$10,500.00

Summary (overall costs per foot)

Minimum footage 1,100 feet	$11,000.00	$10.00/ft.
Additional footage 1,200 feet	10,500.00	8.75/ft.
Total: Maximum 2,300 feet	$21,500.00	9.35/ft.

Conclusion:

Drill hole No. 1 could be spotted and drilling commenced without much delay. While this drilling is progressing, the area could be mapped with a plane table for spotting the future holes. Holes should be started BX size and drilled as far as possible with this size bit; thence, reduced to AX size and finally EX size, if needed. Especial care should be undertaken to get good core recovery, as sludges will have no value.

July 31, 1952 11:55 A. M.

Mr. Lawrence G. Houk calling Mr. H. C. Miller, Executive Officer, DMEA Region III, San Francisco, California Telephone No. YUKON 2-5800

Mr. Houk: How is Rattaro coming?

Mr. Miller: That has been examined and we are waiting for the report from Reno.

Mr. Houk: Are they planning on drifting?

Mr. Miller: Trengrove went up there and he might have some ideas. I'll call Reno.

Mr. Houk: Mr. Barr, DMPA wants us to get going on that. They want to set up a program and draw up a contract.

I was wondering when you are talking with Reno what happened to the corundum andalucite concentrates?

Mr. Miller: I can get that from Boulder City.

Mr. Houk: We have an application on that Coranda, and this project might be worthwhile from the abrasive standpoint.

Mr. Miller: The docket has been examined and we are waiting for the report from Reno Bu. Mines and Geological Survey think favorably of it.

Mr. Houk: What are you going to recommend?

Mr. Miller: I have no idea.

Mr. Houk: Has Skartvedt of the DuMontier & Skartvedt project, Indian Camp Asbestos Mine been in to see you?

Mr. Miller: No.

Mr. Houk: He was in here and I told him the size of the ~~land~~ geologic target was too small, if he gets additional land we would be willing to go along and make an examination. I am trying to have the Geological Survey fly over that area to see if the surpentine is ~~apparent~~ mapable and then go in to see. There is no assurance that the Geological Survey will do the work, until the magnetic susceptibility of the samples are determined.

Mr. Miller: The Rattaro report just came in. It was Matson suggesting a drilling program of 2,300 feet. 1) To drill four holes 1100 feet. If these go well four additional holes 200 feet apart. If the first four holes do not encounter a good grade the second will not go through. I $11,000; II $21,500.

Mr. Houk: Asbestos is very much in demand.

Mr. Miller: The lay of the land looks as if $11,000 would be enough. Suppose I shoot this Air Mail today you will have it by tomorrow or the next day.

Mr. Houk: I was thinking perhaps of underground work, drifting?

Mr. Miller: It may or may not be necessary.

Mr. Houk: Do they choose the area to be mapped geologically before the program?

Mr. Miller: From the lay of the land it would not be necessary to do much geologizing there.

Mr. Houk: It is suggested that some geological work be done.

Mr. Miller: I havn't had time to read it through, if looks as if that amount of drilling would make or break the property.

Mr. Houk: Air Mail it and I will make up a contract. On drilling up in that area do costs go up considerably?

Mr. Miller: Around $7 for the first ~~10,10~~ 1,100 feet by contract on this.

Mr. Houk: That is good. Anything else?

Mr. Miller: Only this is a good bet.

Mr. Houk: Mr. Barr, DMPA and Dr. Bowles want to get it started.

It is noted from the Field Team Report that the proposed exploration is in Section 19 T.41 NR5W, and the applicant controls this property through a lease from the Mt. Shasta Pine Box Manufacturing Company. It will be necessary to have a certified copy of this lease together with four copies of the Owner's Consent to Lien.

The applicant should obtain bids from three drilling contractors on the basis of a minimum of 1,100 feet of drilling and a maximum of 2,300 feet of drilling. It is noted that phase one of the drilling contract amounts to $10 per foot. This figure appears rather high.

The need for a sampler and a supervisor on the same project where only diamond drilling is in progress seems to me to be an unnecessary expense. It is recommended that in the drilling contract the contractor be advised that care of the drill core be a part of the contract. It is also recommended that a geologist be hired who could map this area in detail so that the program may go forward in a logical manner.

Please note Memorandum No. 9 from the Operating Committee to the Field Teams of July 15, 1952, subject: Field Team Reports. It is suggested that this form be adhered to whenever possible. Inasmuch as there is urgent need for asbestos, and this property appears to show considerable promise, it is recommended that this application be given every consideration.

IN REPLY REFER TO:

G-MD-CNM

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

July 17, 1952

Memorandum

DMEA-2644

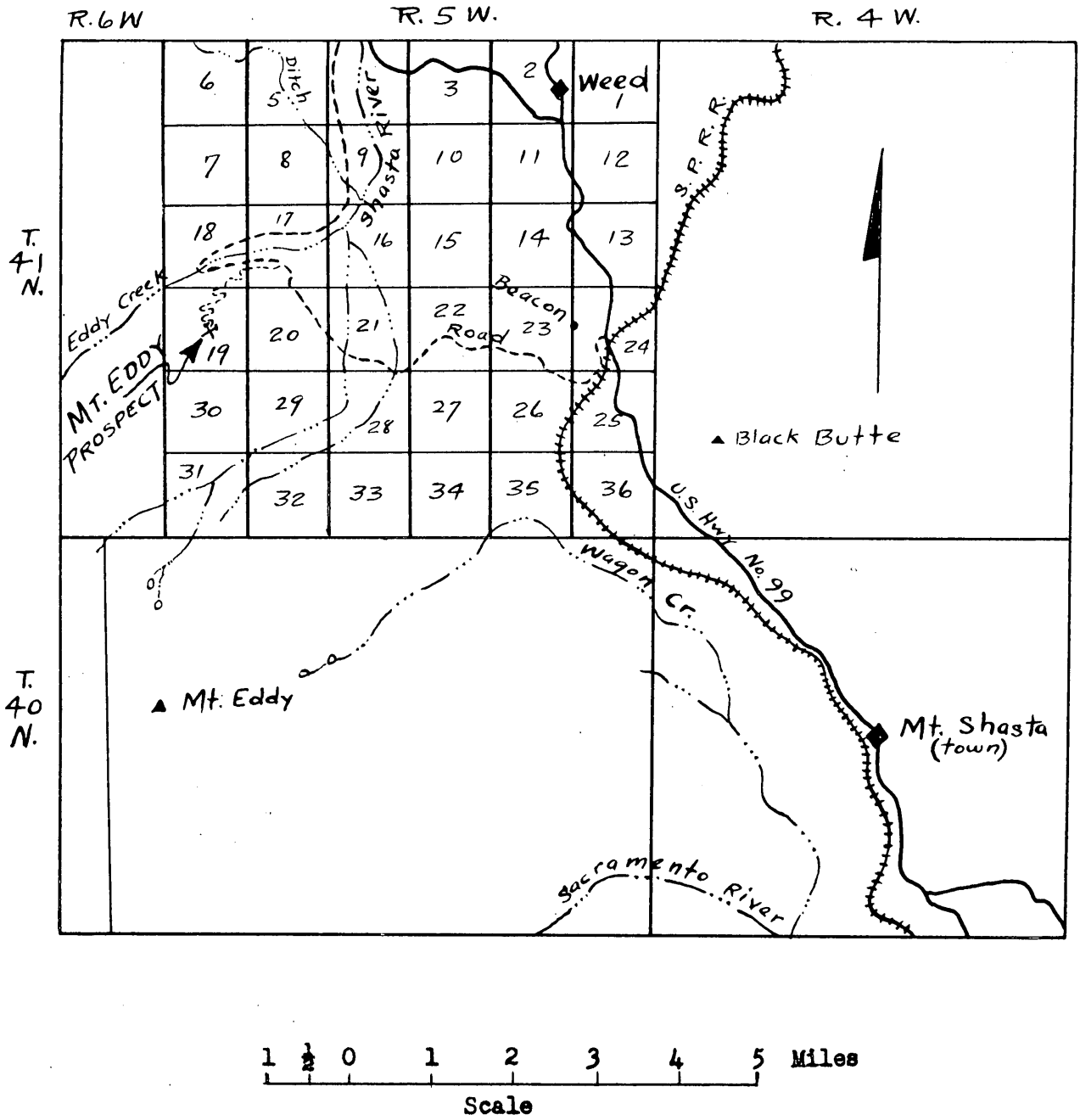
REVIEW OF FIELD TEAM REPORT ON APPLICATION DMPA-2184 (Asbestos)

To: L. G. Houk, Defense Minerals Exploration Administration.
From: P. L. Weis, U. S. Geological Survey.
Applicant: Mr. Rattaro.
Name of property: Mt. Eddy Asbestos Prospect.
Location of property: Siskiyou County, California.
Date of field team report: June 16, 1952.
Authorship of field team report: A. H. Chidester and E. J. Matson.
Field team's recommendation: Deny the application for a development loan, and approve a core drilling project as a substitute project.
Comments: The substitute proposal would presumably be submitted as a DMEA application from Mr. Rattaro. No action is necessary until such an application is submitted.
ACTION SUGGESTED:
Follow field team's recommendation.

Paul L. Weis

Paul L. Weis

JUL 18 1952



Taken from California Dunsmuir Quadrangle - U. S. G. S. - Edition of 1935, surveyed 1931

FIGURE 1. INDEX MAP SHOWING LOCATION OF THE MT. EDDY ASBESTOS PROSPECT SISKIYOU COUNTY, CALIFORNIA

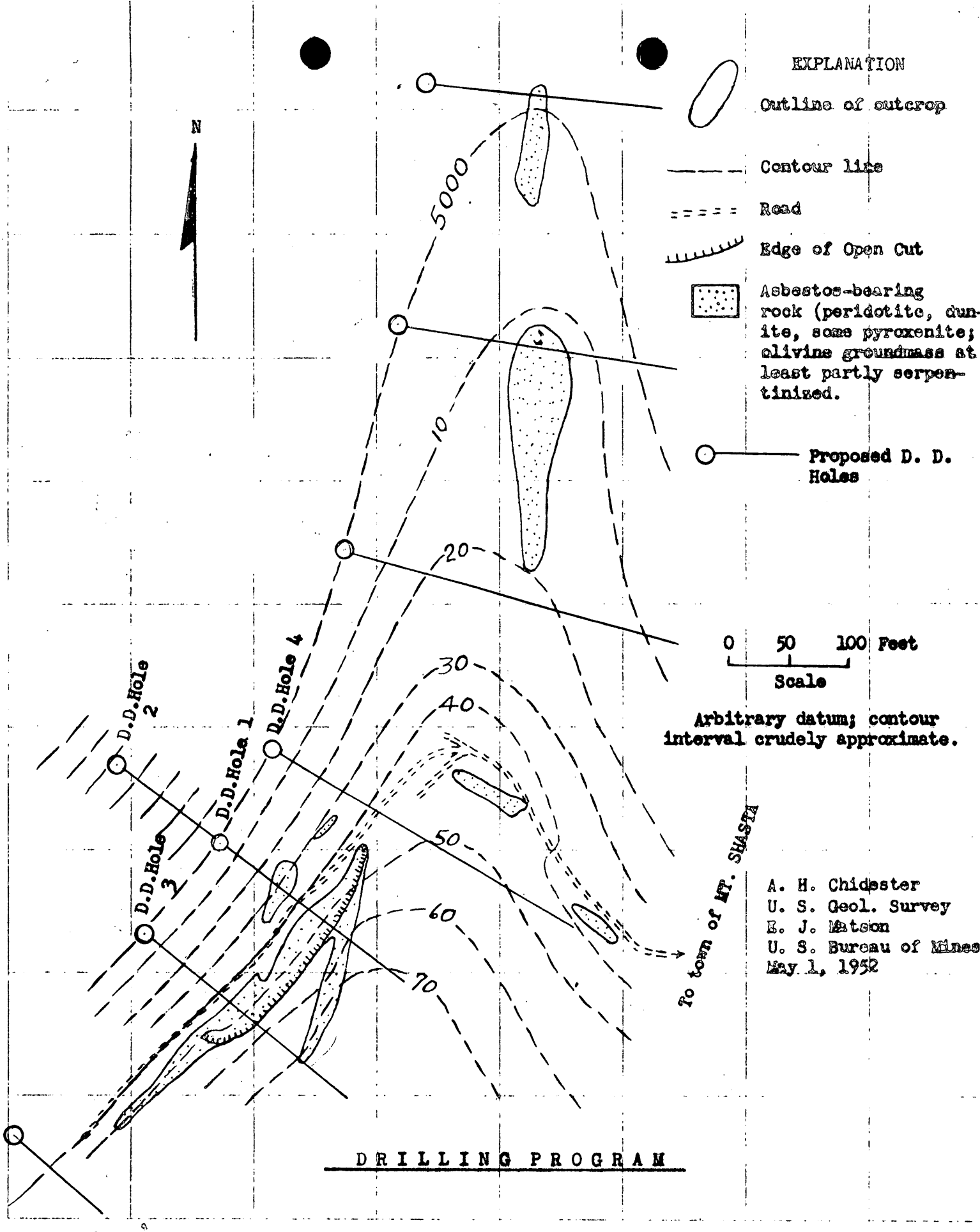
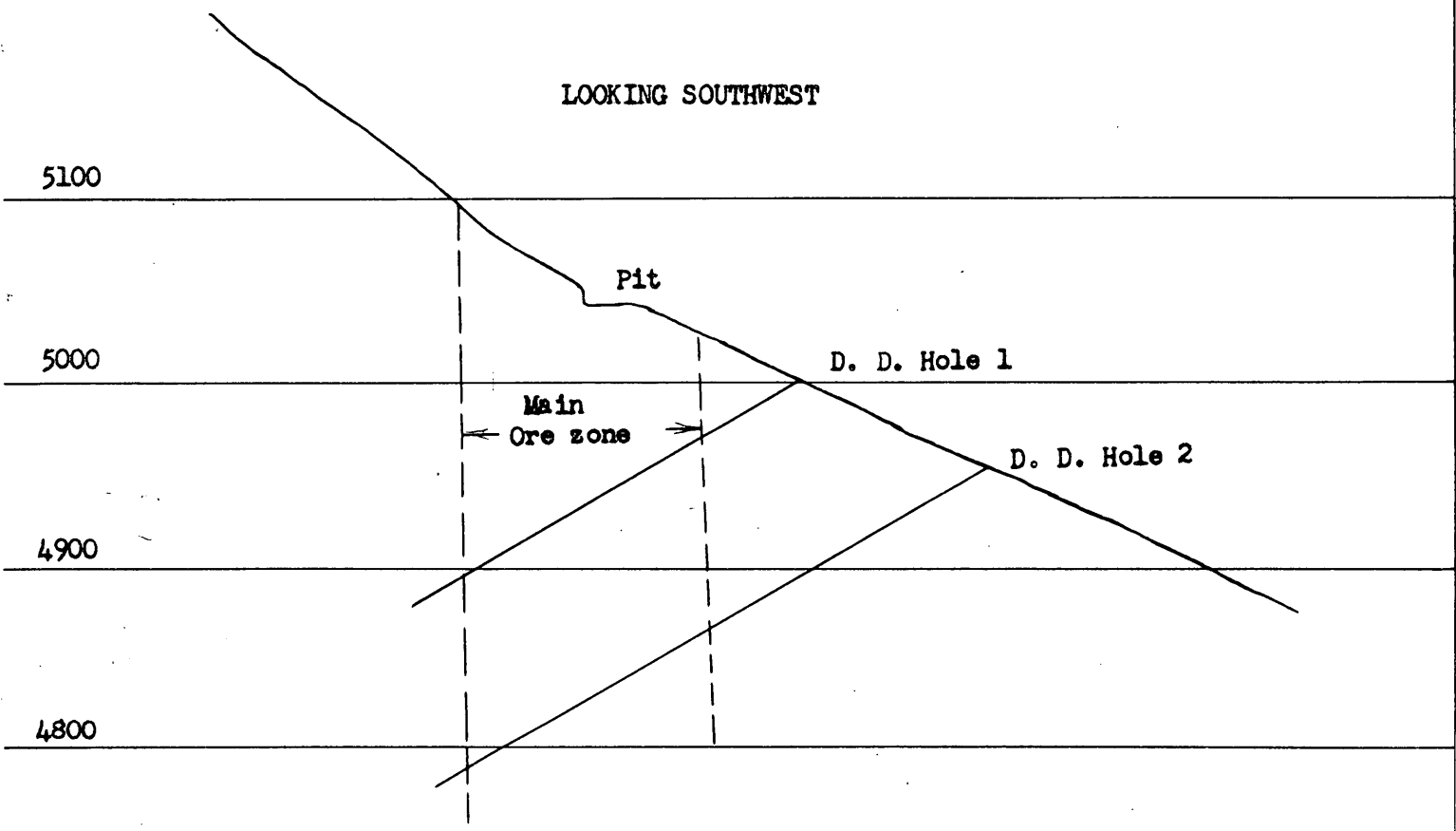


FIGURE 2. SKETCH OF MT. EDDY ASBESTOS PROSPECT SHOWING OUTCROPS AND LOCATION OF WORKINGS
SISKIYOU COUNTY, CALIFORNIA



Hole No.	Inclination (Degrees)	Bearing (Degrees)	Length (Feet)
1	-30	S 67 E*	250
2	-30	" *	350
3	-30	" *	250
4	-30	S 60 E*	250
			1100 Minimum
Four more holes			1200
			2300 Maximum

The four undesignated holes to be drilled if the first four holes warrant this additional drilling. These holes (see fig. 2, Drilling Program) to be spaced 200 feet apart horizontally along the strike of the ore zone and normal to the local strike. Holes to be planned to intersect the ore zone from 50 to 100 feet below surface. Average length of holes 300 feet.

Program to be flexible; spotting of each successive hole to be dependent on the outcome of the previous hole. Locations, inclinations, bearings and length may be changed as more knowledge is gained from each hole drilled.

* Bearings to be checked in field; holes to be pointed normal to local strike.

0 50 100 feet

Scale

FIGURE 3. GENERALIZED CROSS-SECTION THROUGH HOLES 1 & 2 AND PERTINENT INFORMATION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1012 Flood Building
870 Market Street
San Francisco 2, Calif.
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AUG 6 1952 RINCON ANNEX

Air Mail

Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

FIRST CLASS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF CALIFORNIA
REPRESENTED BY THE
DIRECTOR OF PUBLIC WORKS

CALIFORNIA
DUNSMUIR QUADRANGLE

DUNSMUIR, CALIF.
Edition of 1935
reprinted 1948

N4100—W12200/30

THE TOPOGRAPHIC MAPS OF THE UNITED STATES

The United States Geological Survey is making a series of standard topographic maps to cover the United States. This work has been in progress since 1882, and the published maps cover more than 47 percent of the country, exclusive of outlying possessions.

The maps are published on sheets that measure about 16½ by 20 inches. Under the general plan adopted the country is divided into quadrangles bounded by parallels of latitude and meridians of longitude. These quadrangles are mapped on different scales, the scale selected for each map being that which is best adapted to general use in the development of the country, and consequently, though the standard maps are of nearly uniform size, the areas that they represent are of different sizes. On the lower margin of each map are printed graphic scales showing distances in feet, meters, miles, and kilometers. In addition, the scale of the map is shown by a fraction expressing a fixed ratio between linear measurements on the map and corresponding distances on the ground. For example, the scale $\frac{1}{62,500}$ means that 1 unit on the map (such as 1 inch, 1 foot, or 1 meter) represents 62,500 of the same units on the earth's surface.

Although some areas are surveyed and some maps are compiled and published on special scales for special purposes, the standard topographic surveys and the resulting maps have for many years been of three types, differentiated as follows:

1. Surveys of areas in which there are problems of great public importance—relating, for example, to mineral development, irrigation, or reclamation of swamp areas—are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{31,680}$ (1 inch = one-half mile) or $\frac{1}{24,000}$ (1 inch = 2,000 feet), with a contour interval of 1 to 100 feet, according to the relief of the particular area mapped.

2. Surveys of areas in which there are problems of average public importance, such as most of the basin of the Mississippi and its tributaries, are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile), with a contour interval of 10 to 100 feet.

3. Surveys of areas in which the problems are of minor public importance, such as much of the mountain or desert region of Arizona or New Mexico, and the high mountain area of the northwest, are made with sufficient detail to be used in the publication of maps on a scale of $\frac{1}{125,000}$ (1 inch = nearly 2 miles) or $\frac{1}{250,000}$ (1 inch = nearly 4 miles), with a contour interval of 20 to 250 feet.

The aerial camera is now being used in mapping. From the information recorded on the photographs, planimetric maps, which show only drainage and culture, have been made for some areas in the United States. By the use of stereoscopic plotting apparatus, aerial photographs are utilized also in the making of the regular topographic maps, which show relief as well as drainage and culture.

A topographic survey of Alaska has been in progress since 1898, and nearly 44 percent of its area has now been mapped. About 15 percent of the Territory has been covered by maps on a scale of $\frac{1}{500,000}$ (1 inch = nearly 8 miles). For most of the remainder of the area surveyed the maps published are on a scale of $\frac{1}{250,000}$ (1 inch = nearly 4 miles). For some areas of particular economic importance, covering about 4,300 square miles, the maps published are on a scale of $\frac{1}{62,500}$ (1 inch = nearly 1 mile) or larger. In addition to the area covered by topographic maps, about 11,300 square miles of southeastern Alaska has been covered by planimetric maps on scales of $\frac{1}{125,000}$ and $\frac{1}{250,000}$.

The Hawaiian Islands have been surveyed, and the resulting maps are published on a scale of $\frac{1}{62,500}$.

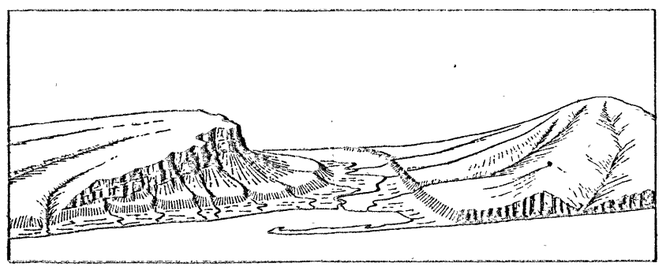
A survey of Puerto Rico is now in progress. The scale of the published maps is $\frac{1}{30,000}$.

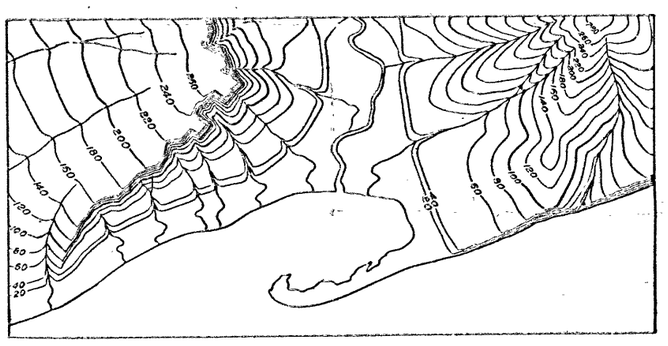
The features shown on topographic maps may be arranged in three groups—(1) water, including seas, lakes, rivers, canals, swamps, and other bodies of water; (2) relief, including mountains, hills, valleys, and other features of the land surface; (3) culture (works of man), such as towns, cities, roads, railroads, and boundaries. The symbols used to represent these features are shown and explained below. Variations appear on some earlier maps, and additional features are represented on some special maps.

All the water features are represented in blue, the smaller streams and canals by single blue lines and the larger streams by double lines. The larger streams, lakes, and the sea are accentuated by blue water lining or blue tint. Intermittent streams—those whose beds are dry for a large part of the year—are shown by lines of blue dots and dashes.

Relief is shown by contour lines in brown, which on a few maps are supplemented by shading showing the effect of light thrown from the northwest across the area represented, for the purpose of giving the appearance of relief and thus aiding in the interpretation of the contour lines. A contour line represents an imaginary line on the ground (a contour) every part of which is at the same altitude above sea level. Such a line could be drawn at any altitude, but in practice only the contours at certain regular intervals of altitude are shown. The datum or zero of altitude of the Geological Survey maps is mean sea level. The 20-foot contour would be the shore line if the sea should rise 20 feet above mean sea level. Contour lines show the shape of the hills, mountains, and valleys, as well as their altitude. Successive contour lines that are far apart on the map indicate a gentle slope, lines that are close together indicate a steep slope, and lines that run together indicate a cliff.

The manner in which contour lines express altitude, form, and grade is shown in the figure below.





The sketch represents a river valley that lies between two hills. In the foreground is the sea, with a bay that is partly enclosed by a hooked sand bar. On each side of the valley is a terrace into which small streams have cut narrow gullies. The hill on the right has a rounded summit and gently sloping spurs separated by ravines. The spurs are truncated at their lower ends by a sea cliff. The hill at the left terminates abruptly at the valley in a steep scarp, from which it slopes gradually away and forms an inclined tableland that is traversed by a few shallow gullies. On the map each of these features is represented, directly beneath its position in the sketch, by contour lines.

The contour interval, or the vertical distance in feet between one contour and the next, is stated at the bottom of each map. This interval differs according to the topography of the area mapped: in a flat country it may be as small as 1 foot; in a mountainous region it may be as great as 250 feet. In order that the contours may be read more easily certain contour lines, every fourth or fifth, are made heavier than the others and are accompanied by figures showing altitude. The heights of many points—such as road intersections, summits, surfaces of lakes, and benchmarks—are also given on the map in figures, which show altitudes to the nearest foot only. More precise figures for the altitudes of benchmarks are given in the Geological Survey's bulletins on spirit leveling. The geodetic coordinates of triangulation and transit-traverse stations are also published in bulletins.

Lettering and the works of man are shown in black. Boundaries, such as those of a State, county, city, land grant, township, or reservation, are shown by continuous or broken lines of different kinds and weights. Public roads suitable for motor travel the greater part of the year are shown by solid double lines; poor public roads and private roads by dashed double lines; trails by dashed single lines. Additional public road classification if available is shown by red overprint.

Each quadrangle is designated by the name of a city, town, or prominent natural feature within it, and on the margins of the map are printed the names of adjoining quadrangles of which maps have been published. More than 4,100 quadrangles in the United States have been surveyed, and maps of them similar to the one on the other side of this sheet have been published.

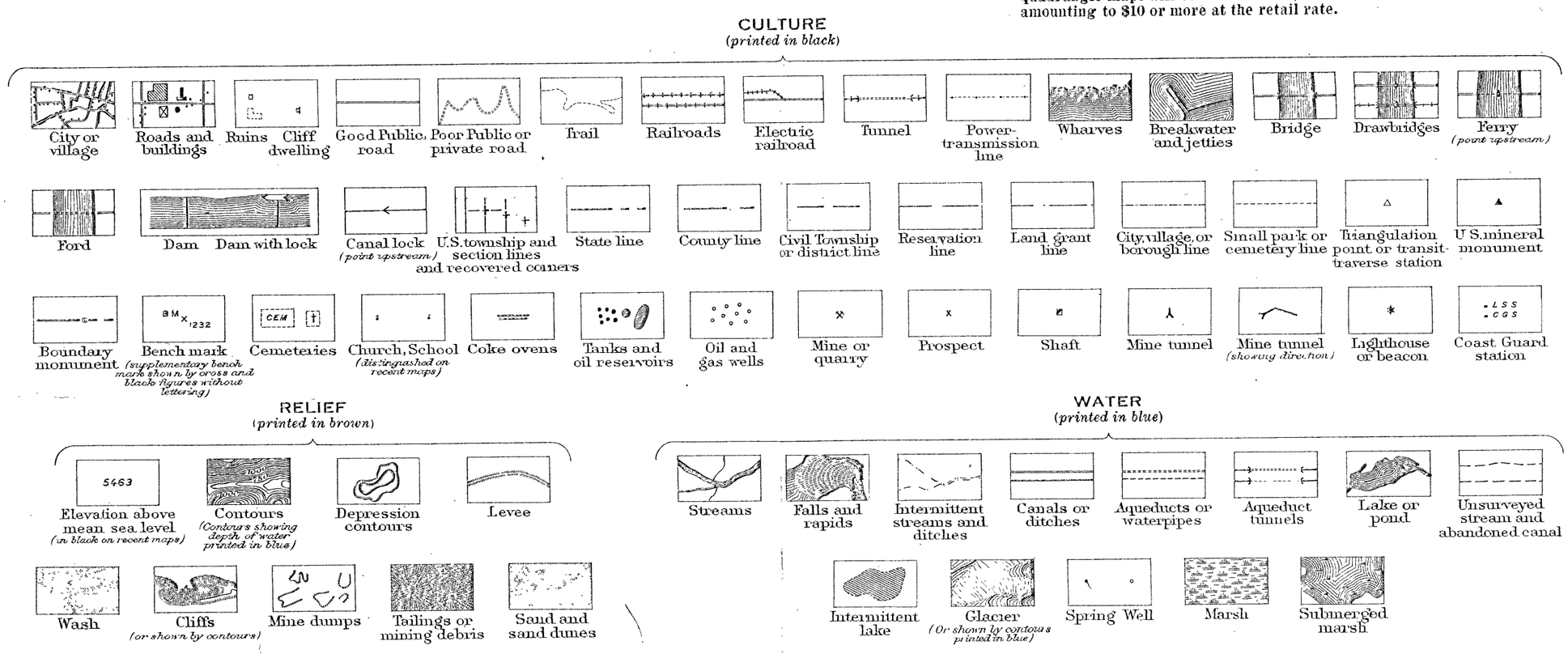
Geologic maps of some of the areas shown on the topographic maps have been published in the form of folios. Each folio includes maps showing the topography, geology, underground structure, and mineral deposits of the area mapped, and several pages of descriptive text. The text explains the maps and describes the topographic and geologic features of the country and its mineral products. Two hundred twenty-five folios have been published.

Index maps of each State and of Alaska and Hawaii showing the areas covered by topographic maps and geologic folios published by the United States Geological Survey may be obtained free. Copies of the standard topographic maps may be obtained for 10 cents each; some special maps are sold at different prices. A discount of 40 percent is allowed on an order amounting to $5 or more at the retail price. The discount is allowed on an order for maps alone, either of one kind or in any assortment, or for maps together with geologic folios. The geologic folios are sold for 25 cents or more each, the price depending on the size of the folio. A circular describing the folios will be sent on request.

Applications for maps or folios should be accompanied by cash, draft, or money order (not postage stamps) and should be addressed to

THE DIRECTOR,
United States Geological Survey,
Washington, D. C.

November 1937.

NOTE:—Effective on and after October 1, 1946, the price of standard topographic quadrangle maps will be 20 cents each, with a discount of 20 percent on orders amounting to $10 or more at the retail rate.

STANDARD SYMBOLS