DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 3438

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This document has been recorded as

Exploration Assistance

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.

Cys to USBM & USGS

Routing Slip

To:	400	Date	8/9/54
To:	Oper Com	Date	8-20-54
To:	Oper Com	Date	11-17-54
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NOV 17 1954

Messrs. Burns, Tinlin, Weber, Kyer, and Ball
Route 1, Box 327A
Rosamond, California

Re: Docket No. DMEA 348 - Tungsten
Mill Creek Scheelite deposit
San Bernardino County, California

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced 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, although noting the occurrence of a small amount of tungsten mineralization on your property, indicates to us that the probability of disclosing minable tungsten ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARSTIEDGE:fcc
11-16-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

November 16, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $25,300.00
Docket No. DMEA 3438 - Tungsten
Burns, Timlin, Weber, Eyer, and Ball
Mill Creek Scheelite deposit
San Bernardino County, California

The denial of the subject application is recommended by this Division based on the following information:

1. The applicants did not detail their exploration program. However, during the examination, it was determined that they really desired a production loan to enable them to mine the marble for its extremely small percentage of scheelite.

2. The Mill Creek scheelite deposit is located at an old limestone quarry on Mill Creek, about 23 miles east of Redlands, California. Here a crystalline limestone some 60 to 70 feet thick occurs between granite walls. The limestone deposit has been developed by a quarry the face of which is approximately 150 feet long by 60 feet high, and the outcrop of the limestone may be traced for over half a mile eastward, locally showing traces of scheelite.

3. Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Numerous pods of tactite, averaging 3 inches in thickness and 2 feet in length, are exposed in the old quarry face but equal less than five percent of the rock. At the east end of the cut, a 12-foot drift follows two thin seams of tactite, and in the face of the drift, a pod of tactite 2 feet in diameter is exposed. Samples cut from these exposures of tactite were assayed and contained less than 0.01 percent WO_3.

4. The applicants also reported uranium on the property. Traverses made across the claims and adjacent area with a Precision Model III Scintillator did not disclose anything above the background count of 0.02 MR/HR.

5. The examining field team recommended denial of the subject application.

6. The Field Team concurs with the recommendations of the examining engineer and geologist.

7. The Commodity Division of the Geological Survey recommends denial.

8. The Commodity Division of the Bureau of Mines concurs in the denial.

F. A. Rutledge, Acting Chief
Iron and Ferro-Alloys Division

FARutledge:fcc
11-16-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

IN REPLY REFER TO:

400

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

November 12, 1954

Re: DMEA-3430
Mill Creek Claims
San Bernardino Co.,
Calif.
$25,300 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

The absence of extensive tactite zones and the very low grade of the tungsten mineralization in the marble on the property indicate that further exploration is not warranted.

I concur with the Field Team's conclusions, and recommend this application be denied.

E. L. Newcomb

ELNewcomb:hlm
G-11/12/54

Copy to: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
R. W. Geehan, 3513

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

400

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 2, 1954

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 No. DMEA-3438 - Tungsten
Burns, Timlin, Weber, Myer, and Bell
Mill Creek Scheelite deposit
San Bernardino County, California

Reference is to your (W. S. Martin) letter dated August 23, 1954, requesting a field examination of the subject property.

Accordingly, the property was examined on September 28, and there are attached four copies of an examination report entitled "DMEA-3438, Mill Creek Scheelite Deposit, San Bernardino County, California," by W. T. Benson, Mining Engineer, U. S. Bureau of Mines, and E. H. Pampeyan, Geologist, U. S. Geological Survey, dated October 28, 1954.

The engineer and geologist are in agreement that a loan on this property should be denied. In the area that was proposed for exploration, numerous dikes and sills cut the marble and the occurrence of granite in the face of the cut indicates that this pendant does not extend very far below the surface. Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Samples cut from these exposures of tactite assayed less than 0.01 WO_3. The assay results of the samples taken from representative sections of the tungsten areas indicate that no appreciable amount of scheelite can be produced from the property.

Mr. Roscoe Smith and I concur with the examining engineer and geologist that DMEA assistance is not warranted on this property.

H. C. MILLER

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

Reviewed by
DMEA OPERATING COMMITTEE
11-18-54

Attachment

Copy to: Roscoe Smith, USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3438, Mill Creek Scheelite Deposit

San Bernardino County, California

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

E. H. Pampeyan, Geologist
U. S. Geological Survey

October 28, 1954

11-12-54

EXAMINATION REPORT

Docket No.: DMEA-3438 (Tungsten)

Name and address of applicant: Robert Burns
Rt. 1, Box 327
Beaumont, Calif.

Name and location of property: Mill Creek Scheelite Deposit
San Bernardino County, California

SUMMARY

Mr. Robert Burns and associates of the Mill Creek Scheelite Co. applied to the Defense Minerals Exploration Administration for Government assistance to explore for tungsten on the Mill Creek Scheelite group of four unpatented lode mining claims, situated in Mill Creek canyon, 23 miles east of Redlands, San Bernardino County, Calif.

A joint Bureau of Mines-Geological Survey examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine whether tungsten showings on the property were sufficient to justify the project proposed by the applicant and to obtain data to complete a contract, if one were warranted. Accordingly, a field examination was made on September 28, 1954 by a geologist of the Geological Survey and an engineer of the Bureau of Mines.

The applicants proposed to rehabilitate, equip, and develop a low grade scheelite-bearing marble exposed in a limestone quarry estimated to cost $25,300. No plan of exploration was listed in the application and none was discussed by the applicant at the time of the field teams examination. They appeared to have no objective other than mining the marble for the small percentage of scheelite present.

It is recommended that the applicants request for a DMEA loan be denied because of the low grade, the adverse geological setting, and the absence of ore sections that could be profitably mined.

INTRODUCTION

In connection with an application for exploration assistance, docket DMEA-3436 (Tungsten), the Mill Creek Scheelite deposit was examined by an engineer of the Bureau of Mines and a geologist of the Geological Survey for the purpose of inspecting development openings that pertained to Robert Burns application for aid in exploring showings of tungsten found on the Mill Creek Scheelite group of claims.

DESCRIPTION OF PROPERTY

Property holdings comprise four unpatented lode mining claims known as the Mill Creek Scheelite and the Mill Creek Scheelite No. 1, No. 2, and No. 3, situated on the south slope of Mill Creek canyon, sec. 15, T. 1 S., R. 1 E., San Bernardino County, Calif.,

about 23 miles east of Redlands, the supply and shipping point on the Southern Pacific Railroad.

ACCESSIBILITY

The property is accessible from Redlands, 23 miles west of the property, by 21 miles of hard-surfaced road to Fallvale camp in Mill Creek canyon and 2 miles of rough and unimproved road to the property, which lies in the canyon bottom and on the north slope of Mill Creek canyon.

HISTORY

Originally, the Mill Creek Scheelite claims were controlled by the Mill Creek Limestone Co., John D. Scouller, vice president, 6009 Santa Monica Bvd., Los Angeles, Calif., who operated the property during the period 1942 and 1943. In 1947, the property was leased to Douglas Lime Products Co., L. C. Douglas, president, Wrightwood, Calif.

Judging from the size of the quarry, it is possible 5,000 tons or more of limestone was produced by the Mill Creek Limestone Co. and the Douglas Lime Products Co.

The presence of tungsten on the property was determined by Mr. Burns during the early part of this year. Upon investigation, Mr. Burns ascertained the ground had been abandoned by the original owners, the Mill Creek Limestone Co. As a result, the quarry and

adjoining areas were relocated by Robert Burns and associates. No additional exploratory work has been done by the present locators, nor has any tungsten been produced from the property.

PHYSICAL FEATURES

The claims are located on the north slope and near the head of Mill Creek canyon in an area of steep and rugged topography at an elevation of 6850 feet. Climate in the area is typical of the southwestern, near coastal areas, with long, hot summers and moderate winters. Precipitation occurs usually as rain with occasional snows during the winter months. A fair stand of oak, pine, fir and cedar constitute the vegetation on the property. The pine and fir are suitable for building and mining needs. During the winter and spring months, water is available from the stream that courses through the canyon. This source dries during the late fall months. For domestic use, water is available the year around from a spring north of the camp.

Transmitted electric power is not available. For generation of power, it would be necessary to supply fuel oil from Redlands, 23 miles west.

HOUSING FACILITIES

Housing facilities on the property consist of a large house which is sufficient to accommodate a crew of 8 to 10 men.

EQUIPMENT

No equipment for mining is on the property.

COMPETENCY OF APPLICANT

The applicant, Mr. Robert Burns, according to his statement, has had 50 years of varied mining experience. He should be competent to surpervise operations on which assistance has been requested.

GEOLOGY

The San Bernardino Mountains in the vicinity of Mill Creek are composed of Lower Paleozoic (?) metamorphic rocks which have been intruded by Jurassic crystalline rocks. Small amounts of tactite near the intrusive contacts contain traces of scheelite.

The metamorphic rocks on the Mill Creek claims are marble and biotite-quartz schist which strike northeast and dip 38-50 degrees northwest. These rocks, in a pendant about 70 feet thick and a half mile long, are surrounded by coarse-grained biotite granite and are cut by many aplite dikes and sills 1-2 feet thick. Irregular pods and stringers of fine-grained epidote-garnet-quartz tactite 1-4 inches thick occur scattered through the marble, commonly parallel to the bedding planes. In the area of proposed exploration, the numerous dikes and sills which cut the marble (a few of which are shown on fig. 2), and the occurrence of granite in the face of the cut, indicate that this pendant does not extend very far below the surface.

ORE DEPOSITS

Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Numerous pods of tactite, averaging 3 inches in thickness and 2 feet in length, are exposed in the old quarry face but equal less than five percent of the rock. At the east end of the cut, a 12-foot drift follows two thin seams of tactite, and in the face of the drift, a pod of tactite 2 feet in diameter is exposed. Samples cut from these exposures of tactite were assayed and contained less than 0.01 percent WO_3. A sample representative of the quarry face 120 feet long and 60 feet high assayed less than 0.01 percent WO_3.

The marble extends east from the Mill Creek claims and locally shows traces of scheelite. Most of the metamorphosed limestone in the San Bernardino Mountains, however, contains traces of scheelite. Tungsten ore could not be produced profitably from this grade of deposit.

Marble was the only commodity produced from the Mill Creek claims; the most recent activity was in 1943 1/. Total production was about [illegible],000 tons of lime.

The applicant reported uranium on the property. Traverses were made across the claims and adjacent area with a Precision Model

1/ California Journal of Mines and Geology, 1947, Limestone in California, vol. 43, No. 3, July, pp. 292-293.

III Scintillator but did not disclose anything above the background count of 0.02 MR/HR.

SAMPLING

A series of five samples were taken from surface and underground openings for the purpose of determining if any of the exposed areas contained tungsten in quantities sufficient to be profitably mined under existing conditions. Their descriptions and assay results are as follows:

Sample No.	% WO_3	Description
1722	*0.01	Cut across 2.5 feet white lime on hanging wall side of face of 12-foot drift.
1723	*0.01	Cut across 3 feet iron-stained pod in face of 12-foot drift.
1724	*0.01	Chip across 8 small iron-stained streaks 1" to 6" thick in face of pit.
1725	*0.01	Chip across 35 feet of crystalline lime in face of pit.
1726	*0.01	Chip across 6-foot iron-stained outcrop in creek bottom 500 feet east of ore bin.

*Less than.

ORE RESERVES

There are no measured, indicated or inferred tungsten ore reserves on the property.

PROPOSED EXPLORATION

The applicants proposed to do 600 feet of drifting, repair the

road, survey the claims, recondition the camp buildings and equip the property with necessary mining machinery estimated to cost $25,300.

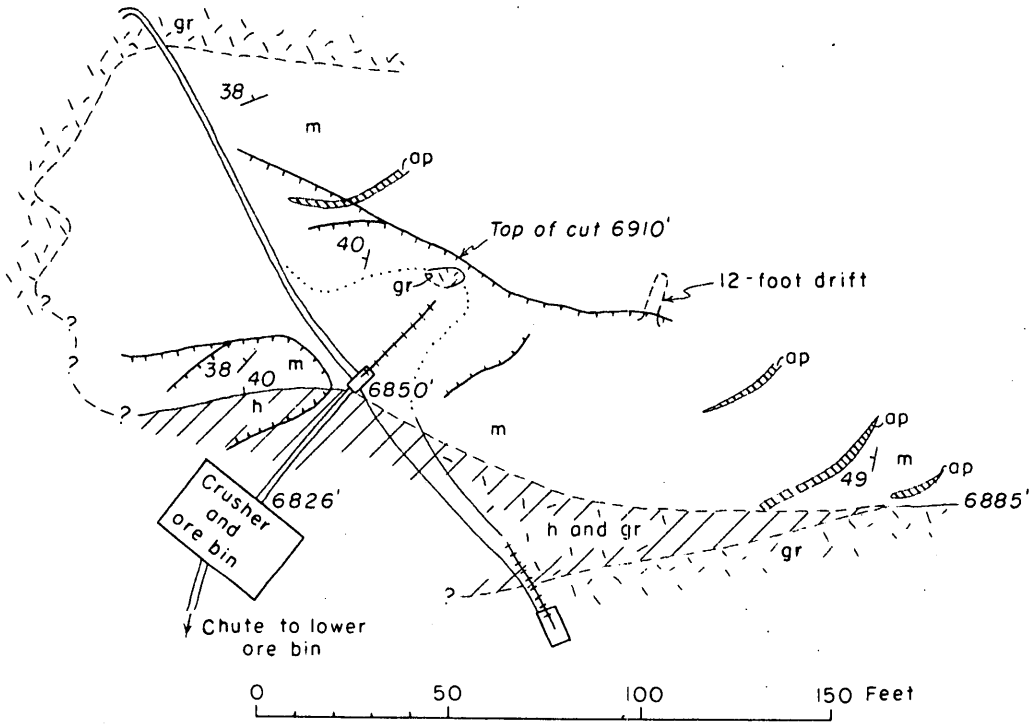
Resulting from the field team's examination, it was determined the applicants only objective was to mine the marble for the extremely small percentage of scheelite present. This, of course, would not be exploration work.

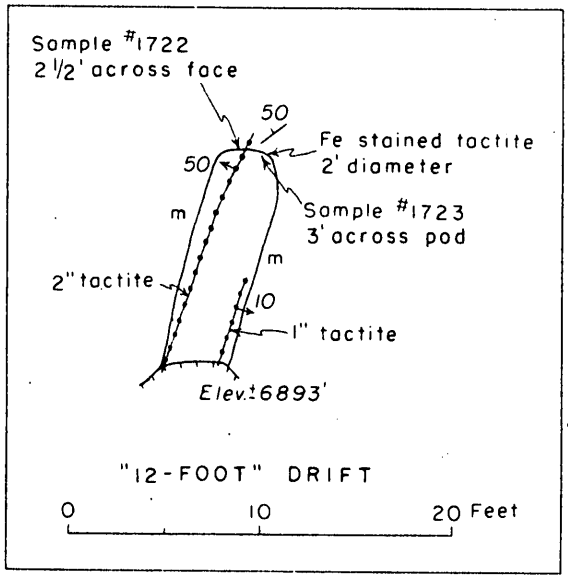
No revision of the applicants program is suggested, partly because there is no proposed program and partly because the marble is already adequately exposed for sampling and development.

CONCLUSIONS AND RECOMMENDATIONS

Assay results of samples taken from representative sections show there are no areas from which any appreciable amount of scheelite could be produced.

It is recommended that the applicants request for Government aid be denied.





EXPLANATION

ap — Aplite

gr — Granite

h — Schist

m — Marble (With small pods of tactite parallel to bedding)

Brunton and tape map by E. H. Pampeyan, U.S.G.S.
September 1954

SKETCH MAP OF THE MILL CREEK SCHEELITE DEPOSIT
SAN BERNARDINO COUNTY, CALIFORNIA

Figure 2

AUG 23 1954

Burns, Timlin, Weber, Eyer, and Bell
Route 1, Box 327A
Beaumont, California

Re: Docket No. DMEA 3438 - Tungsten
Mill Creek Scheelite deposit
San Bernardino County, California

Gentlemen:

The above-docketed application for exploration assistance has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 420 Customhouse Building, 555 Battery Street, San Francisco 11, California, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittenderf

Administrator

FARUTIEDGE:foc
8-19-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. III
R. W. Geehan, USBM
E. L. Newcomb, USGS

400

AUG 2 0 1954

400

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Customhouse Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 3438 - Tungsten
Barns, Timlin, Weber, Ryer, and Bell
Mill Creek Scheelite deposit
San Bernardino County, California

Dear Mr. Miller:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

The Applicants' references to the Douglas Lime Products Co. and the Lamb Bros. limestone deposits provide only indirect descriptions of the subject property, whereas the location and description identify the Mill Creek Limestone Company's deposit as the site of the referenced exploration project (See Limestone in California by Clarence A. Logan, California Journal of Mines and Geology, Vol. 43, No. 3, July 1947, Pages 288, 290 and 292-293).

However, since the last named deposit was operated as late as 1942-43 by the Mill Creek Limestone Company and leased in 1947 to the Douglas Lime Products Company, the validity of the Applicant's claims should be ascertained.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

APPROVED:

J. H. Hedges

Member, Bureau of Mines

D. M. Larrabee

Member, Geological Survey

FARutledge:foc
8-19-54
cc to:Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. III
R. W. Geehan, USBM
E. L. Newcomb, USGS

P. S. Two copies of the printed map and of the sketch map that accompanied the application are enclosed for your information.

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

400

August 13, 1954

Memorandum

To: W. S. Martin, DMEA

From: Robert W. Geehan

Subject: DMEA 3438 - Tungsten
Mill Creek Scheelite

It is recommended that this application be referred to the field team. No record of a previous examination can be located.

The application does not provide any data regarding location of work, and it may be desirable to request a map prior to examination.

/s/ Robert W. Geehan

Robert W. Geehan

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. 3438
Metal or Mineral Tungsten
Date Received
Estimated Cost $25,300
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: ROBERT BURNS, Rt. 1, Box 327A, Beaumont, Calif.; J. J. TIMLIN, Rt. 1, Box 327A, Beaumont, Calif.; F. L. WEIKE, 11163 Riverside Drive, No. Hollywood, Calif.; WILLIAM K. KYER, 30 Woodruff Avenue, Arcadia, California; KENNETH G. HALL, 5932 N. Bartlett Ave., San Gabriel, 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 Mill Creek Scheelite SE¼ of SW¼ in Section 15; Mill Creek Scheelite No. 1 West side ½ of SE¼ Section 15; Mill Creek Scheelite No. 2 SW¼ of SE¼ of Section 15; Mill Creek Scheelite No. 3 SW¼ of SE¼ of Section 15, Township 1 No. R 1 East.

(*b*) State any mine name by which the property is known. Mill Creek Scheelite Mines

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 323, Pages 173-174-175-176

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. Statement attached

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. See attached.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See attached.

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

16—66551-1

Ample manpower nearby and also all supplies and material nearby. Water ample for milling on property. 1½ miles to power line.

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See attached.

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

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

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

(*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.). See attached.

(*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. See attached.

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

(*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. See attached.

(*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. See attached.

(*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 See attached.

(*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. See attached.

(*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. See attached.

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

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

☒ Money ☐ Use of equipment owned by you ☐ Other

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 July 21, 1954

Robert Burns
F. L. Weber by Robt Burns
John J. Pimlin
(Applicant)
By William K. Eyer
Kenneth H. Bell

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

4 a. Physical Description: Refer to California Journal of Mines and Geology, Volume 43--No. 3 July 1947, Page 288, Douglas Lime Products Co. Also Page 290, Lamb Bros. Lime Deposit.

4 b. No Scheelite production. Quarry is 150 ft. long by 60 ft. high. Bulk assay of all lime is .15 Scheelite with stringers 1 inch to 4 ft. wide running 2% Scheelite to .55 Scheelite.

4 c. Crystaline Limestone Deposit 60 to 70 ft. wide between granitic walls. Slope is North 50° East dip 45° NW outcrop can be traced for one mile or more eastward 300 ft. above Mill Creek Canyon. No Engineer's Report has been made.

We have an additional discovery 60 ft. wide which assay 8½ ft. Channel cut shows .19--WO3 and 15 ft. .38 WO3 and 8 ft. .14. All assays cut were on surface. No development work.

4 d. We have put in a good road to mine buildings. Distance to Redlands, Calif., is 20 miles.

6.

Repairing Road from buildings to mine for bulldozer & quarry work by contract.	Estimate	$ 1,500.00
Tunnel work contract @ $15.00 per ft. Total 600 Ft.		9,000.00
Surveying Claims		800.00
Camp Buildings Reconditioned		2,000.00
Compressor		5,000.00
Drilling Equipment		2,000.00
Miscellaneous		5,000.00
	Total	$ 25,300.00

5 d. The work is to be supervised by Robert Burns, who has had 50 years experience in mining in the United States in all classes tin, gold and silver mining and developing mines in tunnel and shaft sinking; and also diamond drilling experience in scheelite mines.

Direct technical supervision will be by Kenneth G. Bell at present superintendent of the Kennedy Minerals Co. of Los Angeles. Mr. Bell is a chemist and assayer with wide experience in the chemical and metallurgical fields having been employed by such firms as The American ~~[illegible]~~ Potash & Chemical Corp., Darwin Mines, Red Top Mining Corp., and for the past twelve years has had charge of the operations of The Kennedy Minerals Co., in the development and supervisory areas.

COPY

DOCKET
SURNAME

400

Rutledge
McDaris
Newcomb
Hedges
Selbridge
Johnson

NOV 1 7 1954

Messrs. Burns, Timlin, Weber, Ryer, and Bull
Route 1, Box 327A
Beaumont, California

Re: Docket No. DMEA 3436 - Tungsten
Mill Creek Scheelite deposit
San Bernardino County, California

Gentlemen:

Your application for aid for an exploration project and other data available to us in Washington concerning the above-referenced 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, although noting the occurrence of a small amount of tungsten mineralization on your property, indicates to us that the probability of disclosing minable tungsten ore reserves by your proposed program is not sufficiently promising to justify Government participation. Under these circumstances, we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

FARUTLEDGE:foc
11-16-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. REG. III
R. W. Geehan, USBM
Thor H. Kiilsgaard, USGS

R.C.J.

DOCKET
SURNAME
Rutledge
McGrafin

November 16, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $25,300.00
Docket No. DMEA 3438 - Tungsten
Burns, Timlin, Weber, Ryer, and Ball
Mill Creek Scheelite deposit
San Bernardino County, California

The denial of the subject application is recommended by this Division based on the following information:

1. The applicants did not detail their exploration program. However, during the examination, it was determined that they really desired a production loan to enable them to mine the marble for its extremely small percentage of scheelite.

2. The Mill Creek scheelite deposit is located at an old limestone quarry on Mill Creek, about 23 miles east of Redlands, California. Here a crystalline limestone zone 60 to 70 feet thick occurs between granite walls. The limestone deposit has been developed by a quarry the face of which is approximately 150 feet long by 60 feet high, and the outcrop of the limestone may be traced for over half a mile eastward, locally showing traces of scheelite.

3. Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Numerous pods of tactite, averaging 3 inches in thickness and 2 feet in length, are exposed in the old quarry face but equal less than five percent of the rock. At the east end of the cut, a 12-foot drift follows two thin zones of tactite, and in the face of the drift, a pod of tactite 2 feet in diameter is exposed. Samples cut from these exposures of tactite were assayed and contained less than 0.01 percent WO_3.

4. The applicants also reported uranium on the property. Traverses made across the claims and adjacent area with a Precision Model III Scintillometer did not disclose anything above the background count of 0.02 MR/HR.

R.C.G.

5. The examining field team recommended denial of the subject application.

6. The Field Team concurs with the recommendations of the examining engineer and geologist.

7. The Commodity Division of the Geological Survey recommends denial.

8. The Commodity Division of the Bureau of Mines concurs in the denial.

F. A. Rutledge, Acting Chief
Iron and Ferro-Alloys Division

FARutledge:foc
11-16-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

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

November 16, 1954

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $25,300.00
Docket No. DMEA 3438 - Tungsten
Burns, Timlin, Weber, Eyer, and Bell
Mill Creek Scheelite deposit
San Bernardino County, California

The denial of the subject application is recommended by this Division based on the following information:

1. The applicants did not detail their exploration program. However, during the examination, it was determined that they really desired a production loan to enable them to mine the marble for its extremely small percentage of scheelite.

2. The Mill Creek scheelite deposit is located at an old limestone quarry on Mill Creek, about 23 miles east of Redlands, California. Here a crystalline limestone some 60 to 70 feet thick occurs between granite walls. The limestone deposit has been developed by a quarry the face of which is approximately 150 feet long by 60 feet high, and the outcrop of the limestone may be traced for over half a mile eastward, locally showing traces of scheelite.

3. Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Numerous pods of tactite, averaging 3 inches in thickness and 2 feet in length, are exposed in the old quarry face but equal less than five percent of the rock. At the east end of the cut, a 12-foot drift follows two thin seams of tactite, and in the face of the drift, a pod of tactite 2 feet in diameter is exposed. Samples cut from these exposures of tactite were assayed and contained less than 0.01 percent WO_3.

4. The applicants also reported uranium on the property. Traverses made across the claims and adjacent area with a Precision Model III Scintillator did not disclose anything above the background count of 0.02 MR/HR.

5. The examining field team recommended denial of the subject application.

6. The Field Team concurs with the recommendations of the examining engineer and geologist.

7. The Commodity Division of the Geological Survey recommends denial.

8. The Commodity Division of the Bureau of Mines concurs in the denial.

F. A. Rutledge

F. A. Rutledge, Acting Chief
Iron and Ferro-Alloys Division

Docket

IN REPLY REFER TO:

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 15 1954

November 12, 1954

Re: DMEA-3438
Mill Creek Claims
San Bernardino Co.,
Calif.
$25,300 - Tungsten

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

From: E. L. Newcomb, U. S. Geological Survey

Subject: Concurrence with Field Team recommendation for denial

The absence of extensive tactite zones and the very low grade of the tungsten mineralization in the marble on the property indicate that further exploration is not warranted.

I concur with the Field Team's conclusions, and recommend this application be denied.

E. L. Newcomb

E. L. Newcomb

Docket

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

RECEIVED

420 Custom House
555 Battery Street
San Francisco 11, Calif.

November 2, 1954

Memorandum

WSM

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket No. DMEA-3438 - Tungsten
Burns, Timlin, Weber, Eyer, and Bell
Mill Creek Scheelite deposit
San Bernardino County, California

Reference is to your (W. S. Martin) letter dated August 23, 1954, requesting a field examination of the subject property.

Accordingly, the property was examined on September 28, and there are attached four copies of an examination report entitled "DMEA-3438, Mill Creek Scheelite Deposit, San Bernardino County, California," by W. T. Benson, Mining Engineer, U. S. Bureau of Mines, and E. H. Pampeyan, Geologist, U. S. Geological Survey, dated October 28, 1954.

The engineer and geologist are in agreement that a loan on this property should be denied. In the area that was proposed for exploration, numerous dikes and sills cut the marble and the occurrence of granite in the face of the cut indicates that this pendant does not extend very far below the surface. Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Samples cut from these exposures of tactite assayed less than 0.01 WO_3. The assay results of the samples taken from representative sections of the tungsten areas indicate that no appreciable amount of scheelite can be produced from the property.

Mr. Roscoe Smith and I concur with the examining engineer and geologist that DMEA assistance is not warranted on this property.

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

Closed
GC 11-12-54

Attachment

Copy to: Roscoe Smith, USGS

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 8 - 1954

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3438, Mill Creek Scheelite Deposit

San Bernardino County, California

W. T. Benson, Mining Engineer
U. S. Bureau of Mines

E. H. Pampeyan, Geologist
U. S. Geological Survey

October 28, 1954

EXAMINATION REPORT

Docket No.: DMEA-3438 (Tungsten)

Name and address of applicant: Robert Burns
Rt. 1, Box 327
Beaumont, Calif.

Name and location of property: Mill Creek Scheelite Deposit
San Bernardino County, California

SUMMARY

Mr. Robert Burns and associates of the Mill Creek Scheelite Co. applied to the Defense Minerals Exploration Administration for Government assistance to explore for tungsten on the Mill Creek Scheelite group of four unpatented lode mining claims, situated in Mill Creek canyon, 23 miles east of Redlands, San Bernardino County, Calif.

A joint Bureau of Mines-Geological Survey examination was requested by the Executive Officer, DMEA Field Team, Region III, to determine whether tungsten showings on the property were sufficient to justify the project proposed by the applicant and to obtain data to complete a contract, if one were warranted. Accordingly, a field examination was made on September 28, 1954 by a geologist of the Geological Survey and an engineer of the Bureau of Mines.

The applicants proposed to rehabilitate, equip, and develop a low grade scheelite-bearing marble exposed in a limestone quarry estimated to cost $25,300. No plan of exploration was listed in the application and none was discussed by the applicant at the time of the field teams examination. They appeared to have no objective other than mining the marble for the small percentage of scheelite present.

It is recommended that the applicants request for a DMEA loan be denied because of the low grade, the adverse geological setting, and the absence of ore sections that could be profitably mined.

INTRODUCTION

In connection with an application for exploration assistance, docket DMEA-3438 (Tungsten), the Mill Creek Scheelite deposit was examined by an engineer of the Bureau of Mines and a geologist of the Geological Survey for the purpose of inspecting development openings that pertained to Robert Burns application for aid in exploring showings of tungsten found on the Mill Creek Scheelite group of claims.

DESCRIPTION OF PROPERTY

Property holdings comprise four unpatented lode mining claims known as the Mill Creek Scheelite and the Mill Creek Scheelite No. 1, No. 2, and No. 3, situated on the south slope of Mill Creek canyon, sec. 15, T. 1 S., R. 1 E., San Bernardino County, Calif.,

about 23 miles east of Redlands, the supply and shipping point on the Southern Pacific Railroad.

ACCESSIBILITY

The property is accessible from Redlands, 23 miles west of the property, by 21 miles of hard-surfaced road to Fallvale camp in Mill Creek canyon and 2 miles of rough and unimproved road to the property, which lies in the canyon bottom and on the north slope of Mill Creek canyon.

HISTORY

Originally, the Mill Creek Scheelite claims were controlled by the Mill Creek Limestone Co., John D. Scouller, vice president, 6009 Santa Monica Bvd., Los Angeles, Calif., who operated the property during the period 1942 and 1943. In 1947, the property was leased to Douglas Lime Products Co., L. C. Douglas, president, Wrightwood, Calif.

Judging from the size of the quarry, it is possible 5,000 tons or more of limestone was produced by the Mill Creek Limestone Co. and the Douglas Lime Products Co.

The presence of tungsten on the property was determined by Mr. Burns during the early part of this year. Upon investigation, Mr. Burns ascertained the ground had been abandoned by the original owners, the Mill Creek Limestone Co. As a result, the quarry and

adjoining areas were relocated by Robert Burns and associates. No additional exploratory work has been done by the present locators, nor has any tungsten been produced from the property.

PHYSICAL FEATURES

The claims are located on the north slope and near the head of Mill Creek canyon in an area of steep and rugged topography at an elevation of 6850 feet. Climate in the area is typical of the southwestern, near coastal areas, with long, hot summers and moderate winters. Precipitation occurs usually as rain with occasional snows during the winter months. A fair stand of oak, pine, fir and cedar constitute the vegetation on the property. The pine and fir are suitable for building and mining needs. During the winter and spring months, water is available from the stream that courses through the canyon. This source dries during the late fall months. For domestic use, water is available the year around from a spring north of the camp.

Transmitted electric power is not available. For generation of power, it would be necessary to supply fuel oil from Redlands, 23 miles west.

HOUSING FACILITIES

Housing facilities on the property consist of a large house which is sufficient to accommodate a crew of 8 to 10 men.

EQUIPMENT

No equipment for mining is on the property..

COMPETENCY OF APPLICANT

The applicant, Mr. Robert Burns, according to his statement, has had 50 years of varied mining experience. He should be competent to surpervise operations on which assistance has been requested.

GEOLOGY

The San Bernardino Mountains in the vicinity of Mill Creek are composed of Lower Paleozoic (?) metamorphic rocks which have been intruded by Jurassic crystalline rocks. Small amounts of tactite near the intrusive contacts contain traces of scheelite.

The metamorphic rocks on the Mill Creek claims are marble and biotite-quartz schist which strike northeast and dip 38-50 degrees northwest. These rocks, in a pendant about 70 feet thick and a half mile long, are surrounded by coarse-grained biotite granite and are cut by many aplite dikes and sills 1-2 feet thick. Irregular pods and stringers of fine-grained epidote-garnet-quartz tactite 1-4 inches thick occur scattered through the marble, commonly parallel to the bedding planes. In the area of proposed exploration, the numerous dikes and sills which cut the marble (a few of which are shown on fig. 2), and the occurrence of granite in the face of the cut, indicate that this pendant does not extend very far below the surface.

ORE DEPOSITS

Scheelite, the only tungsten mineral seen on the property, occurs locally in tactite in the recrystallized limestone. Numerous pods of tactite, averaging 3 inches in thickness and 2 feet in length, are exposed in the old quarry face but equal less than five percent of the rock. At the east end of the cut, a 12-foot drift follows two thin seams of tactite, and in the face of the drift, a pod of tactite 2 feet in diameter is exposed. Samples cut from these exposures of tactite were assayed and contained less than 0.01 percent WO_3. A sample representative of the quarry face 120 feet long and 60 feet high assayed less than 0.01 percent WO_3.

The marble extends east from the Mill Creek claims and locally shows traces of scheelite. Most of the metamorphosed limestone in the San Bernardino Mountains, however, contains traces of scheelite. Tungsten ore could not be produced profitably from this grade of deposit.

Marble was the only commodity produced from the Mill Creek claims; the most recent activity was in 1943 [1/]. Total production was about 5,000 tons of lime.

The applicant reported uranium on the property. Traverses were made across the claims and adjacent area with a Precision Model

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1/ California Journal of Mines and Geology, 1947, Limestone in California, vol. 43, No. 3, July, pp. 292-293.

III Scintillator but did not disclose anything above the background count of 0.02 MR/HR.

SAMPLING

A series of five samples were taken from surface and underground openings for the purpose of determining if any of the exposed areas contained tungsten in quantities sufficient to be profitably mined under existing conditions. Their descriptions and assay results are as follows:

Sample No.	%, WO_3	Description
1722	*0.01	Cut across 2.5 feet white lime on hanging wall side of face of 12-foot drift.
1723	*0.01	Cut across 3 feet iron-stained pod in face of 12-foot drift.
1724	*0.01	Chip across 8 small iron-stained streaks 1" to 6" thick in face of pit.
1725	*0.01	Chip across 35 feet of crystalline lime in face of pit.
1726	*0.01	Chip across 6-foot iron-stained outcrop in creek bottom 500 feet east of ore bin.

*Less than.

ORE RESERVES

There are no measured, indicated or inferred tungsten ore reserves on the property.

PROPOSED EXPLORATION

The applicants proposed to do 600 feet of drifting, repair the

road, survey the claims, recondition the camp buildings and equip the property with necessary mining machinery estimated to cost $25,300.

Resulting from the field team's examination, it was determined the applicants only objective was to mine the marble for the extremely small percentage of scheelite present. This, of course, would not be exploration work.

No revision of the applicants program is suggested, partly because there is no proposed program and partly because the marble is already adequately exposed for sampling and development.

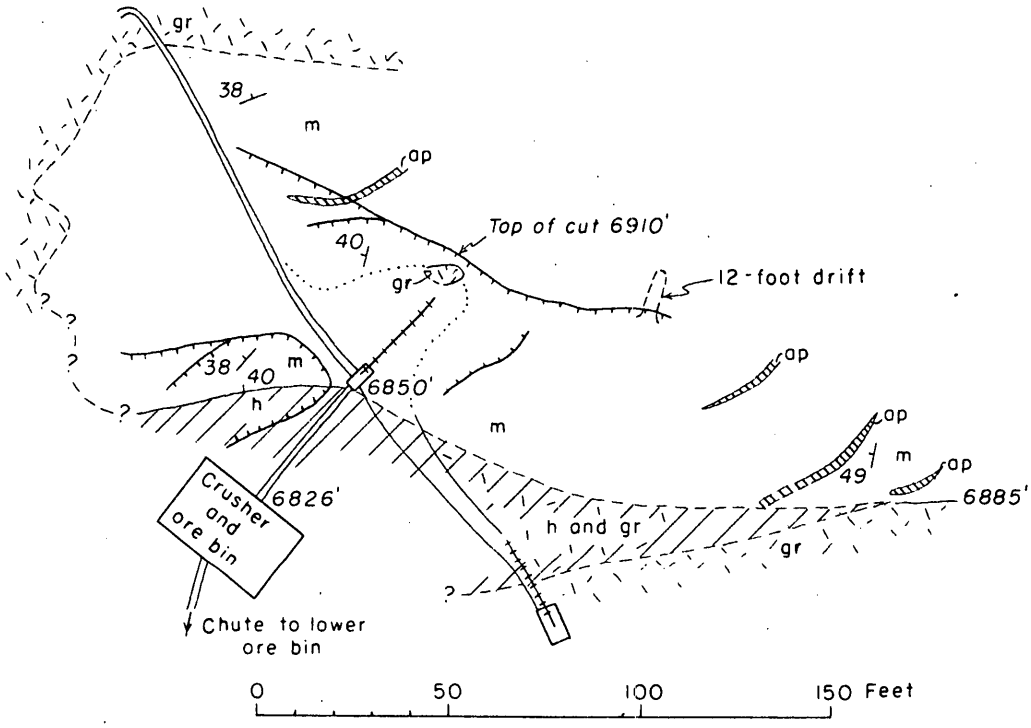
CONCLUSIONS AND RECOMMENDATIONS

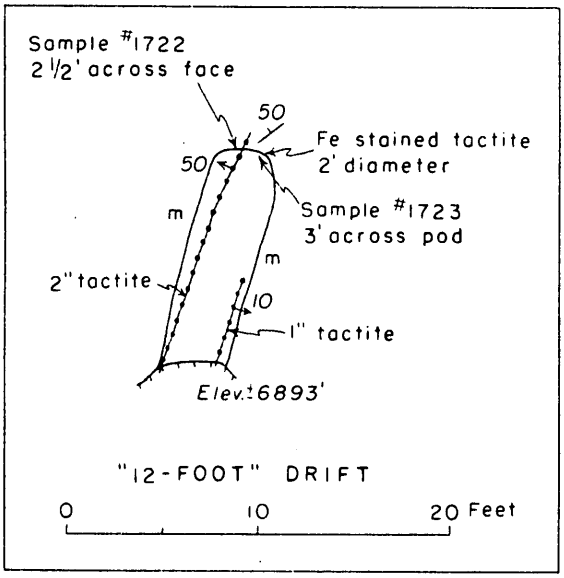
Assay results of samples taken from representative sections show there are no areas from which any appreciable amount of scheelite could be produced.

It is recommended that the applicants request for Government aid be denied.

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 3438
(TUNGSTEN)





EXPLANATION

ap — Aplite

gr — Granite

h — Schist

m — Marble (With small pods of tactite parallel to bedding)

Brunton and tape map by E. H. Pampeyan, U.S.G.S.
September 1954

SKETCH MAP OF THE MILL CREEK SCHEELITE DEPOSIT
SAN BERNARDINO COUNTY, CALIFORNIA

Figure 2

Miss Scott - Code 400

Our acknowledgment of the application (addressed to Robert Burns) was returned by the post office, which advised that the addressee was unknown. We then forwarded it to Weber and asked him to notify us as to what address we should use. This is his reply.

Howard

Beaumont, Calif
August 28, 1954

United States Dept of the Interior
Washington 25, D. C.

Gentlemen:

WBM

In response to your letter of August 10, 1954 I wish to advise the person to whom correspondence should be directed is Robert Burns Rte 1 Box 327 Beaumont, California.

Docket number DMEA-3438
Mill Creek Scheelite Mines.

Yours very truly,

(Mrs) F. L. Weber
11163 Riverside Dr
North Hollywood, Calif

400

DOCKET
SURNAME
Rutledge
Martin
Trow
Hedges
Larrabee

AUG 23 1954

Burns, Timlin, Weber, Eyer, and Bell
Route 1, Box 327A
Beaumont, California

Re: Docket No. DMEA 3438 - Tungsten
Mill Creek Scheelite deposit
San Bernardino County, California

Gentlemen:

The above-docketed application for exploration assistance has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 420 Customhouse Building, 555 Battery Street, San Francisco 11, California, for a field examination of the property.

Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittenderf

Administrator

FARUTIEDGE:foc
8-19-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. III
R. W. Geehan, USBM
E. L. Newcomb, USGS

DOCKET
SURNAME
Rutledge
Martin
Tree
J. Johnson

AUG 2 1 1954

Mr. H. C. Miller, Executive Officer
DMEA Field Team, Region III
420 Customhouse Building
555 Battery Street
San Francisco 11, California

Re: Docket No. DMEA 3438 - Tungsten
Burns, Timlin, Weber, Eyer, and Bell
Mill Creek Scheelite deposit
San Bernardino County, California

Dear Mr. Miller:

The above-docketed application for exploration assistance is being referred to your office for a field examination of the property.

The Applicants' references to the Douglas Lime Products Co. and the Lamb Bros. limestone deposits provide only indirect descriptions of the subject property, whereas the location and description identify the Mill Creek Limestone Company's deposit as the site of the referenced exploration project (See Limestone in California by Clarence A. Logan, California Journal of Mines and Geology, Vol. 43, No. 3, July 1947, Pages 288, 290 and 292-293).

However, since the last named deposit was operated as late as 1942-43 by the Mill Creek Limestone Company and leased in 1947 to the Douglas Lime Products Company, the validity of the Applicant's claims should be ascertained.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (JHB)

APPROVED:

J. H. Hedges
Member, Bureau of Mines (JHB)

D. M. Larrabee
Member, Geological Survey (JHB)

FARutledge:foc
8-19-54
cc to:Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. III
R. W. Geehan, USBM
E. L. Newcomb, USGS

P. S. Two copies of the printed map and of the sketch map that accompanied the application are enclosed for your information.

Docket

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

August 13, 1954

Memorandum

WSM

To: W. S. Martin, DMEA

From: Robert W. Geehan

Subject: DMEA 3438 - Tungsten
Mill Creek Scheelite

It is recommended that this application be referred to the field team. No record of a previous examination can be located.

The application does not provide any data regarding location of work, and it may be desirable to request a map prior to examination.

Robert W. Geehan
Robert W. Geehan

copy keyed in 400

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

August 13, 1954

Memorandum

To: W. S. Martin, DMEA

From: Robert W. Geehan

Subject: DMEA 3438 - Tungsten
Mill Creek Scheelite

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The application does not provide any data regarding location of work, and it may be desirable to request a map prior to examination.

/s/ Robert W. Geehan

Robert W. Geehan

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

August 10, 1954

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 received from Region III.

DMEA - 3438 Robert Burns, et al.

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

August 10, 1954

Mr. Robert Burns, et al.
Rt. 1
Box 327A
Beaumont, Calif.

Subject: DMEA-3438
Re: Exploration Assistance
Mill Creek Scheelite Mines

Gentlemen:

The receipt of your application dated July 21, 1954 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3438 and referred to the Iron and Ferro Alloys Division.

Kindly refer to in any future correspondence relating to your application.

Sincerely yours,

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 5, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for Exploration Loan - Tungsten
Robert Burns et al.
Beaumont, California

Attached are three copies of an application for an exploration loan (Form MF-103) received in this office on August 4, 1954. A fourth copy is being retained for our use.

Only one map, one sketch map, and one set of assay certificates accompanied the application. The map and sketch map should be returned to us if a field examination is requested.

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

Attachments

Copy to: Roscoe Smith, USGS

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

420 Custom House
555 Battery Street
San Francisco 11, Calif.

August 5, 1954

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for Exploration Loan - Tungsten
Robert Burns et al.
Beaumont, California

Attached are three copies of an application for an exploration loan (Form DF-103) received in this office on August 4, 1954. A fourth copy is being retained for our use.

Only one map, one sketch map, and one set of assay certificates accompanied the application. The map and sketch map should be returned to us if a field examination is requested.

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

Attachments

Copy to: Roscoe Smith, USGS

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. 3438
Metal or Mineral Tungsten
Date Received
Estimated Cost $25,300
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: ROBERT BURNS, Rt. 1, Box 327A, Beaumont, Calif.; J. J. TIMLIN, Rt. 1, Box 327A, Beaumont, Calif.; F. L. WEBER, 11163 Riverside Drive, No. Hollywood, Calif.; WILLIAM K. EYER, 30 Woodruff Avenue, Arcadia, California; KENNETH C. BELL, 5932 N. Bartlett Ave., San Gabriel, 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 Mill Creek Scheelite SE¼ of SW¼ in Section 15; Mill Creek Scheelite No. 1 West side ½ of SE¼ Section 15; Mill Creek Scheelite No. 2 SW¼ of SE¼ of Section 15; Mill Creek Scheelite No. 3 SW¼ of SE¼ of Section 15, Township 1 So. R 1 East.

(*b*) State any mine name by which the property is known. Mill Creek Scheelite Mines

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

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it None

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. Book 323, Pages 173-174-175-176

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. Statement attached

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None

(*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. See attached.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points. See attached.

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

16—66551-1

Ample manpower nearby and also all supplies and material nearby. Water ample for milling on property. 1½ miles to power line.

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

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc. See attached.

(*c*) The work will start within 10 days and be completed within 24 months from the date of an exploration project contract.

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

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

(*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.). See attached.

(*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. See attached.

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

(*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. See attached.

(*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. See attached.

(*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. See attached.

(*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. See attached.

(*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. See attached.

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated July 21, 1954

Robert Burns
F. L. Weber by Robt Burns
John J. Pamlin
(Applicant)
By Nathan C. Egger
Kenneth G. Bell

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

4 a. Physical Description: Refer to California Journal of Mines and Geology, Volume 43--No. 3 July 1947, Page 288, Douglas Lime Products Co. Also Page 290, Lamb Bros. Lime Deposit.

4 b. No Scheelite production. Quarry is 150 ft. long by 60 ft. high. Bulk assay of all lime is .15 Scheelite with stringers 1 inch to 4 ft. wide running 2% Scheelite to .55 Scheelite.

4 c. Crystaline Limestone Deposit 60 to 70 ft. wide between granitic walls. Slope is North 50° East dip 45° NW outcrop can be traced for one mile or more eastward 300 ft. above Mill Creek Canyon. No Engineer's Report has been made.

We have an additional discovery 60 ft. wide which assay 8½ ft. Channel cut shows .19--WO3 and .15 ft. .38 WO3 and 8 ft. .14. All assays cut were on surface. No development work.

4 d. We have put in a good road to mine buildings. Distance to Redlands, Calif., is 20 miles.

6.

Repairing Road from buildings to mine for bulldozer & quarry work by contract.	Estimate	$ 1,500.00
Tunnel work contract @ $15.00 per ft. Total 600 Ft.		9,000.00
Surveying Claims		800.00
Camp Buildings Reconditioned		2,000.00
Compressor		5,000.00
Drilling Equipment		2,000.00
Miscellaneous		5,000.00
	Total	$ 25,300.00

5 d. The work is to be supervised by Robert Burns, who has had 50 years experience in mining in the United States in all classes tin, gold and silver mining and developing mines in tunnel and shaft sinking; and also diamond drilling experience in scheelite mines.

Direct technical supervision will be by Kenneth G. Bell at present superintendent of the Kennedy Minerals Co. of Los Angeles. Mr. Bell is a chemist and assayer with wide experience in the chemical and metallurgical fields having been employed by such firms as The American ~~[illegible]~~ Potash & Chemical Corp., Darwin Mines, Red Top Mining Corp., and for the past twelve years has had charge of the operations of The Kennedy Minerals Co., in the development and supervisory areas.

FORM 1

COPY

LABORATORY REPORT

SMITH-EMERY COMPANY

CHEMICAL ENGINEERS AND CHEMISTS
METALLURGICAL AND TESTING ENGINEERS
920 SANTEE STREET
LOS ANGELES 15

OUR NEW ADDRESS
781 E. WASHINGTON BLVD.
LOS ANGELES 21, CALIFORNIA

ALL REPORTS ARE SUBMITTED AS THE CONFIDENTIAL PROPERTY OF CLIENTS, AUTHORIZATION FOR PUBLICATION OF OUR REPORTS, CONCLUSIONS, OR EXTRACTS FROM OR REGARDING THEM IS RESERVED PENDING OUR WRITTEN APPROVAL AS A MUTUAL PROTECTION TO CLIENTS, THE PUBLIC AND OURSELVES.

LABORATORY No. 384097 *Date* May 14, 1954

Sample Ore

Received 5-10-54 *Marked* "Burns No. 1"

Submitted by Kenneth G. Bell,
5932 North Bartlett Avenue,
San Gabriel, California.

REPORT OF DETERMINATIONS

Tungsten Trioxide (WO_3) ----------	0.55%
Molybdenum (Mo) ----------	0.02%

Respectfully submitted,

Smith-Emery Co.
CHEMISTS AND ENGINEERS
EOS

ING
INGS
and
SUPERVISION OF
ORE SHIPMENTS.

Established 1916

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

May 21/54

Mr.K.G.Bell
San Gabriel
Calif

Subject : Assays of Ore.

Marked :	Tungstic Oxide (WO_3)
Mill	.10 %
Tunnel -3' cut	.56 %

Charges : $ 6.00

Respectfully submitted

Ed. Eisenhauer Jr

Ed.Eisenhauer,Jr

ESTABLISHED 1916

EISENHAUER LABORATORIES

ENGINEERING DIVISION
316 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIFORNIA

ED. EISENHAUER, JR.
L. C. PENHOEL

PHONE: VANDIKE 9328

June 9/54

Mr. K. Bell
San Gabriel
Calif

Subject : Assays of Ore.

Marked :	Tungstic Oxide (WO_3)	Gold	Silver
Dark Rock-Quarry Dump-Brown	.62 %	trace	.14 oz
White Lime	.15 %		

Charges : $ 7.2 5

Respectfully submitted

Ed. Eisenhauer, Jr

SUPERVISION OF
ORE SHIPMENTS

Established 1916

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

June 28/54

Mr.K.Bell
San Gabriel
Calif

Subject : Assay of Ore.

Marked : Float from Dike

Tungstic Oxide(WO_3) .38 %

Charges : 3.00

Respectfully submitted
Ed. Eisenhauer Jr
Ed.Eisenhauer,Jr

Paid

ORE TESTING
SAMPLINGS
and
SUPERVISION OF
ORE SHIPMENTS

Established 1916

Phone
VAndike 9328

ED. EISENHAUER, Jr.

ASSAYER -- METALLURGIST -- CHEMIST

320-322 SOUTH SAN PEDRO STREET
LOS ANGELES 13, CALIF.

July 2/54

Mr.W.K.Eyer
Arcadia
Calif

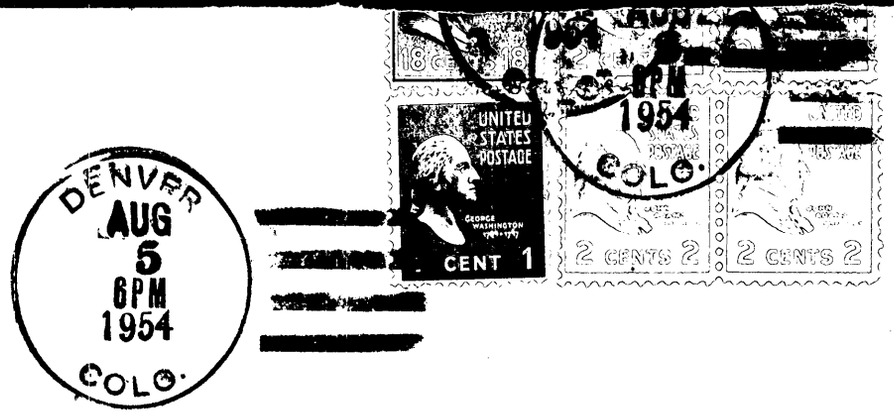
Subject : Assays of Ore

Marked :	Tungstic Oxide(WO_3)
1-8½'channel cut	.19 %
2-Bed Rock outcrop	.14 %

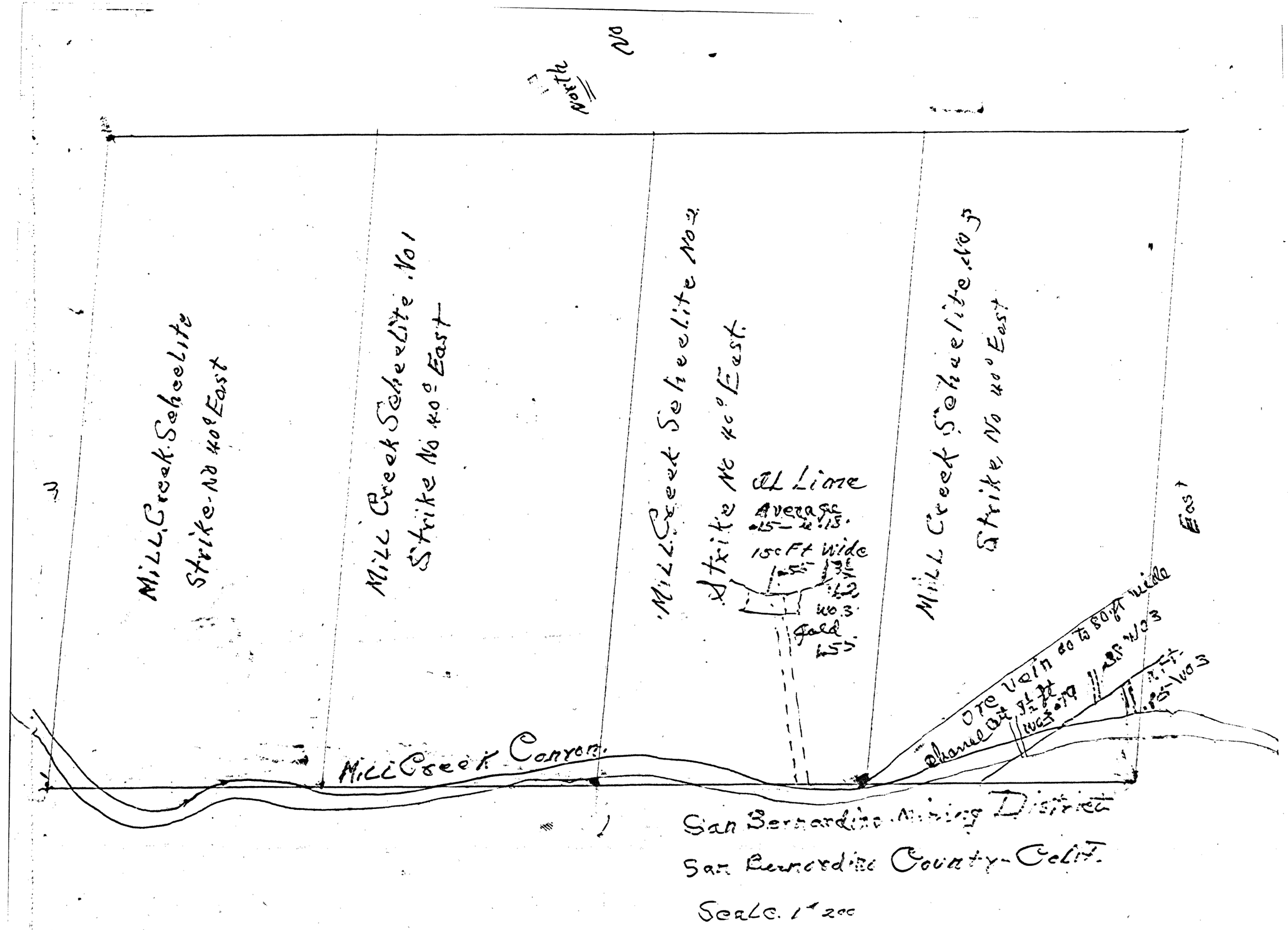
Charges : $ 6.00

Respectfully submitted

Ed.Eisenhauer,Jr



Defense Minerals Exploration Administration
U.S.Dept. of the Interior
Interior Bldg.
Washington 25, D.C.


North
W
Mill Creek Scheelite
Strike No 40° East
Mill Creek Scheelite No 1
Strike No 40° East
Mill Creek Scheelite No 2
Strike No 40° East
Mill Creek Scheelite No 3
Strike No 40° East
East
Lime
Average
150 Ft wide
Gold
Ore vein 60 to 80 ft wide
Channel cut
Mill Creek Canyon
San Bernardino Mining District
San Bernardino County - Calif.
Scale 1" 200

Legend County Ord. 699 - Closure

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SAN BERNARDINO NATIONAL FOREST

MAIN DIVISION – EAST

CALIFORNIA REGION

SCALE IN MILES 0 1 2 3 4 5

LEGEND

- National Forest Boundary
- Adjacent National Forest Boundary
- Good motor road
- Poor motor road
- Trail
- Railroad
- Supervisor's headquarters
- Guard or ranger station permanently occupied
- Permanent lookout station
- Main motor highway

NOTE: HUNTERS, ARCHERS, RIFLEMEN: CHECK LOCALLY FOR BOUNDARIES OF 'NO SHOOTING ZONES'

LEGEND

UNCOLORED — THRU-WAYS AND AREAS OPEN YEARLONG TO PUBLIC USE.

AREAS IN WHICH PUBLIC ENTRY IS RESTRICTED DURING FIRE SEASON BY ORDER OF REGIONAL FORESTER.

FIRE PREVENTION MAP

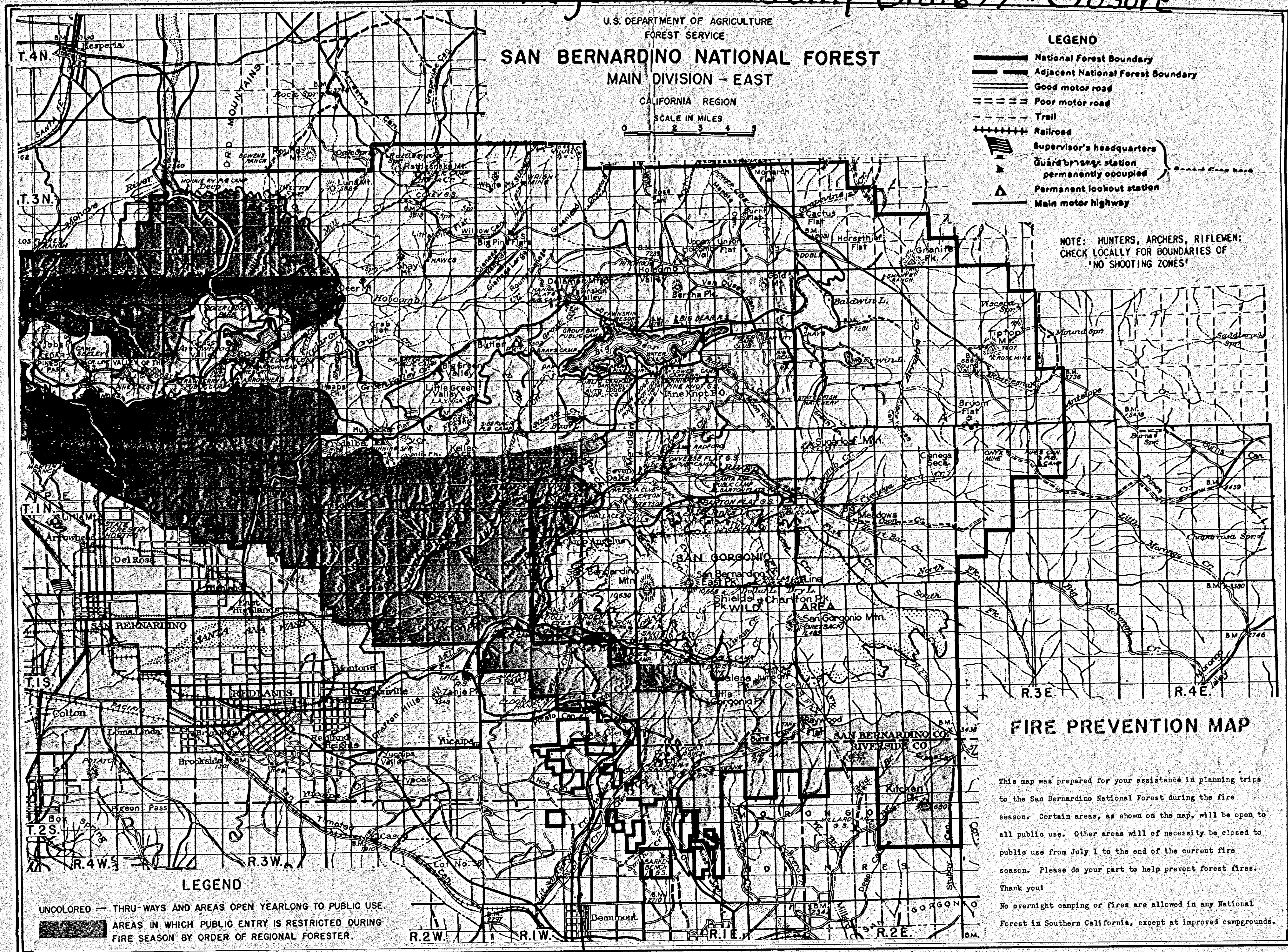
This map was prepared for your assistance in planning trips to the San Bernardino National Forest during the fire season. Certain areas, as shown on the map, will be open to all public use. Other areas will of necessity be closed to public use from July 1 to the end of the current fire season. Please do your part to help prevent forest fires. Thank you!

No overnight camping or fires are allowed in any National Forest in Southern California, except at improved campgrounds.

AGRICULTURE - FOREST SERVICE - SAN FRANCISCO - '53

This line traces to

legend [shaded box] County Ord. 699 - Closure



AGRICULTURE - FOREST SERVICE - SAN FRANCISCO - '53

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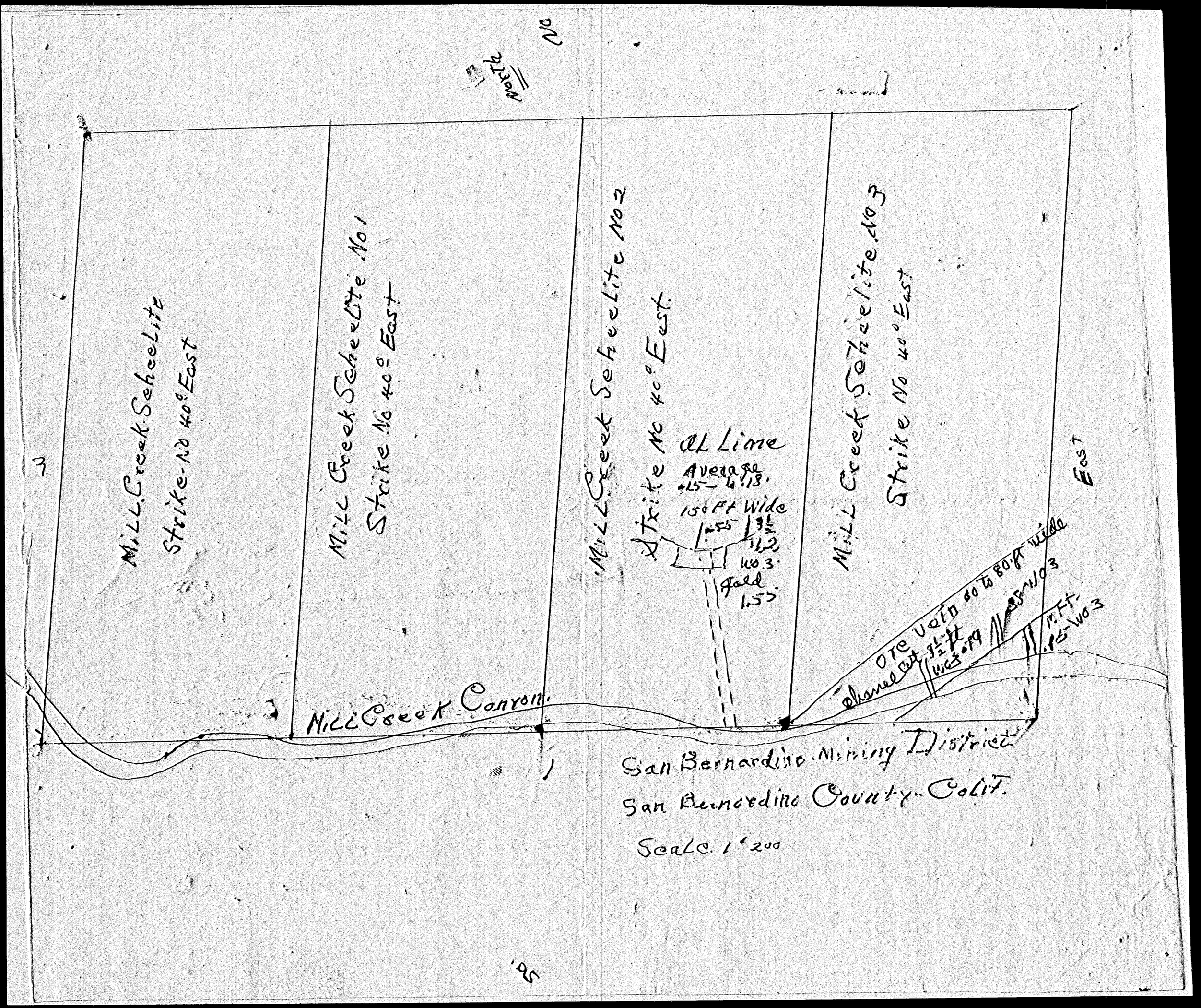
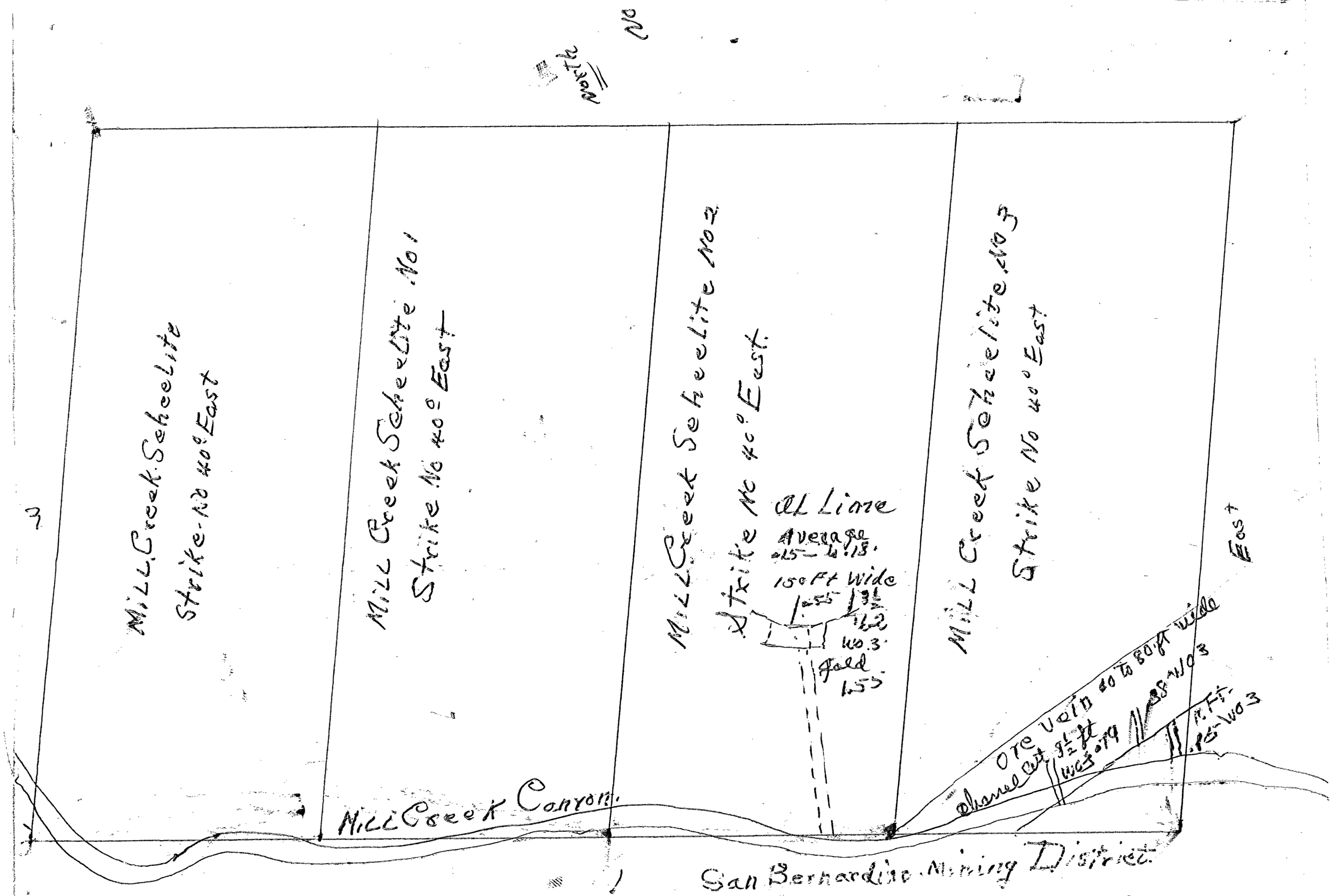

North
Mill Creek Scheelite
Strike No 40° East
Mill Creek Scheelite No 1
Strike No 40° East
Mill Creek Scheelite No 2
Strike No 40° East
Mill Creek Scheelite No 3
Strike No 40° East
Al Lime
Average
.25 — 4.13.
150 Ft Wide
No. 3
Fold
1.55
Ore Vein 60 to 80 ft wide
channel cut 1½ ft
No 3
No 3
Mill Creek Canyon
East
San Bernardino Mining District
San Bernardino County Calif.
Scale. 1" 200



San Bernardino Mining District
San Bernardino County - Calif.
Scale. 1" = 200

legend COUNTY Ord. 699 - Closure

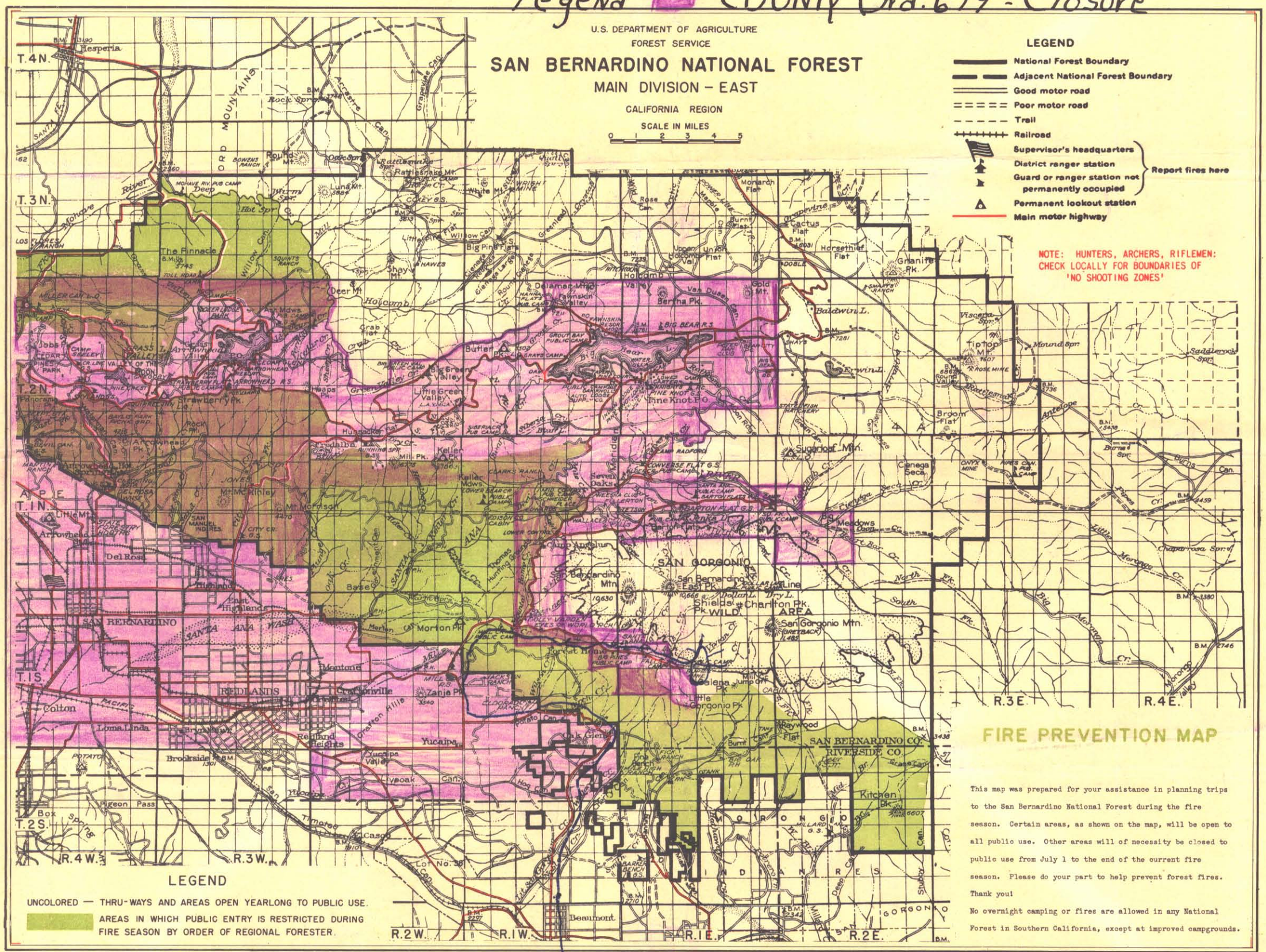
U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

SAN BERNARDINO NATIONAL FOREST

MAIN DIVISION – EAST

CALIFORNIA REGION

SCALE IN MILES
0 1 2 3 4 5



AGRICULTURE - FOREST SERVICE - SAN FRANCISCO - '53

This line traces to