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DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. DMEA-3195

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To:	400	Date	10-19-53
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JUL 12 1954

3195

Mr. John B. White, President-Treasurer
Noonday Mines, Limited
Post Office Box 71
Wells, Nevada

Re: Docket No. DMEA 3195 - Tungsten
Noonday mine
Elko County, Nevada

Dear Mr. White:

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 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
7-7-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. 3
R. W. Geehan, USBM
T. P. Thayer, USGS

July 8, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $43,333.33
Docket No. DMEA 3195 - Tungsten
Noonday Mines, Limited
Noonday mine
Elko County, Nevada

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

1. The Applicant proposed to sink a 100-foot shaft and crosscut 225 feet to intersect 4 dikes that are exposed in the open cuts.

2. The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes and near the borders of the dikes contact metamorphism has formed tactite zones. The tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. The ore bodies are small and discontinuous forming roughly tabular pods and lenses, the largest of which is 8 feet long and 0.5 to 1.0 foot wide and may average 0.75 percent WO_3. The average size of the scheelite concentrations is, however, more nearly 3 feet long and 0.5 foot wide and may be expected to extend downward from 2 feet to 3 feet.

3. Because of the small size of the mineralized lenses, the examining field team recommended denial of the subject application for exploration assistance.

4. The Field Team concurs with the recommendations of the examiners.

5. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

FARUTLEDGE:foc
7-8-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

COPY

COPY

June 28

230 WA SFF /I-BOM/

SAN FRANCISCO CALIF 6-28-54 1045A

GEORGE C SELFRIDGE, CHAIRMAN

OPERATING COMMITTEE, DEFENSE MINERALS EXPLORATION ADMINISTRATION,

INTERIOR BLDG WA

SUBJECT. DOCKET NO. DMEA-3195 - TUNGSTEN, NOONDAY MINE, ELKO COUNTY,

NEVADA

REFERENCE IS TO REPORT ON NOONDAY MINE SENT YOU WITH ME MOMORANDUM DATED JUNE 24. GEOLOGICAL SURVEY INFORMS ME IT IS REWRITTING PAGE 6 AND REVISING FIGURE 3 WHICH WILL STRENGTHEN DENIAL RECOMMENDATION. WILL AIRMAIL REVISIONS WHEN RECEIVED FROM SURVEY.

H C MILLER EXECUTIVE OFFICER DEMA FIELD TEAM, REGION

DMEA-3195 24 6 3

EW 1050A

rec'd 7/1/54

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

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

June 29, 1954

Air Mail

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-3195 - Tungsten
Noonday Mines, Limited
Noonday Mine
Elko County, Nevada

Reference is made to my teletype to you dated June 28, 1954, informing you that Page 6 of the report on the subject property (dated June 22, 1954) was being rewritten and Figure 3 of the report revised.

Attached are four copies of the revised Page 6 and Figure 3. Kindly insert this page and Figure in the report in place of the corresponding page and Figure you now have in the report.

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

Attachments

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno (With attachments)

Cleared OC
7-2-54

300 feet and are irregularly spaced in an area 200 feet wide and 1500 feet in length.

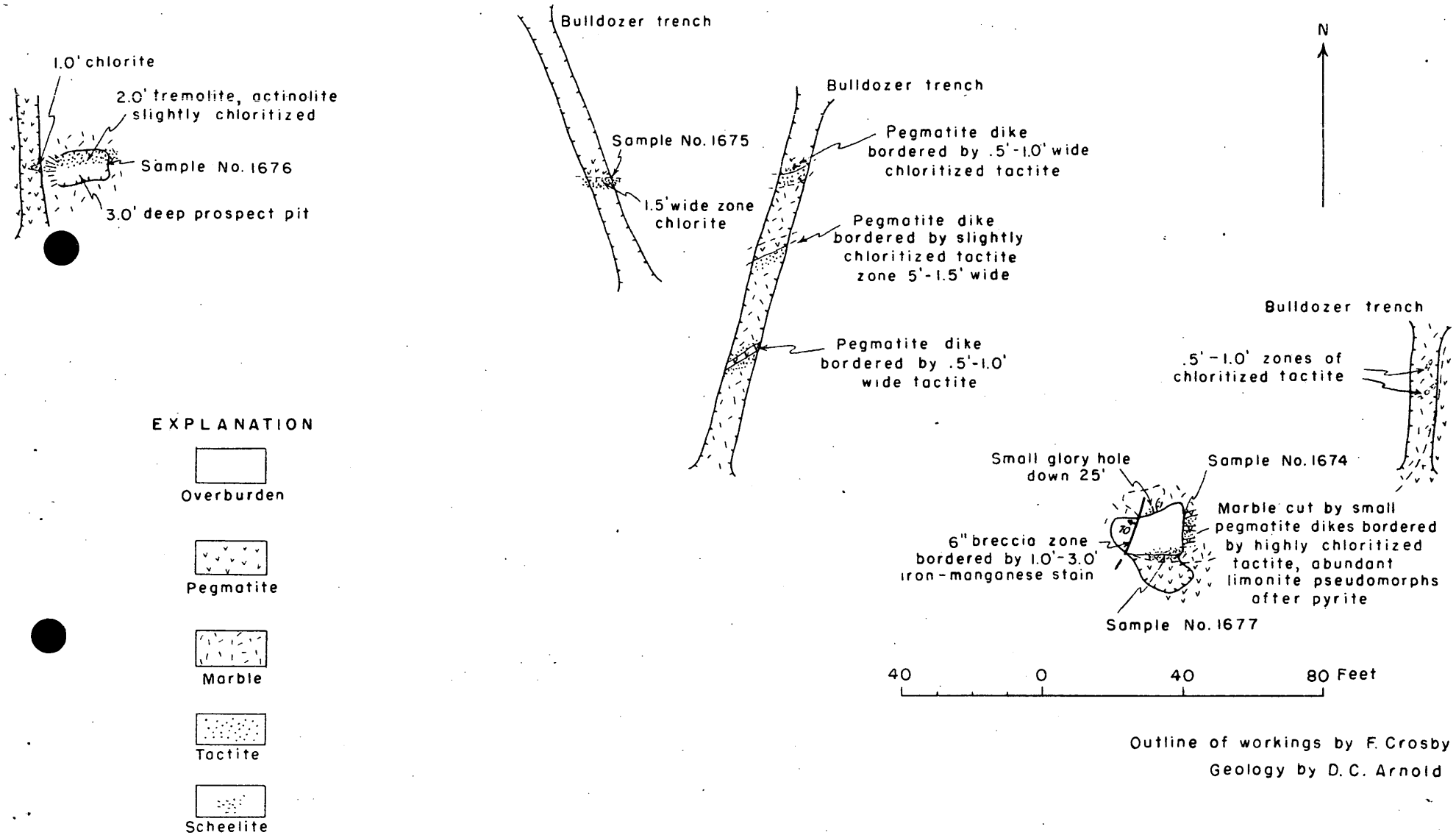
GEOLOGY AND ORE DEPOSITS

The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes composed of feldspar, quartz, and muscovite. Near the borders of the dikes contact metamorphism has formed tactite zones composed of tremolite, actinolite, epidote, and garnet; the tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. The ore bodies are small and discontinuous forming roughly tabular pods and lenses, the largest of which is 8 feet in longest dimension and .5 to 1.0 foot wide which may average .75 percent WO_3; the average size of the scheelite concentrations is however more nearly 3 feet long and .5 foot wide and may be expected to extend downward from 2 feet to 3 feet.

SAMPLING

Because of the sporadic occurrences of tungsten found in the surface and underground openings, no attempt was made to systematically sample the deposit. For the purpose of determining the approximate grade of the ore exposed in the better mineralized sections, a series of four samples were taken. Their positions are shown on figure 3.



Outline of workings by F. Crosby
Geology by D. C. Arnold

SKETCH MAP OF WORKINGS ON HIGH ORE NO. 6 CLAIM
NOONDAY CLAIMS LTD., ELKO COUNTY, NEVADA

FIGURE 3

400

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

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

June 24, 1954

WSM

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-3195 - Tungsten
Noonday Mines Limited
Noonday Mine
Elko County, Nevada

Reference is to your subject letter dated November 6, 1953, requesting a review and field examination of the subject property.

The property was examined on May 18, 1954, and there are attached four copies of a report entitled "DMEA-3195, Noonday Mine, Elko County, Nevada, (Tungsten)," by D. C. Arnold, Geologist, U. S. Geological Survey, and W. T. Benson, Mining Engineer, U. S. Bureau of Mines, dated June 22, 1954.

According to the report, the engineer and geologist are in agreement that it is unlikely that further exploration would indicate sufficient ore to justify a Government loan and, therefore, have recommended that the application be denied.

I concur with their recommendations.

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

Attachment

Copy to: Roscoe Smith, USCC
A. C. Johnson, Reno

Closed 8.C.
7-2-54

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3195, Noonday Mine

Elko County, Nevada

(Tungsten)

D. C. Arnold, Geologist
U. S. Geological Survey

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

June 22, 1954

EXAMINATION REPORT

Docket No.: DMEA-3195 (Tungsten)

Name and address of applicant: Noonday Mines Limited
John B. White, President
P. O. Box 71
Wells, Nevada

Name and location of property: Noonday Mine
Elko County, Nev.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Mr. John B. White, president, Noonday Mines Limited, P. O. Box 71, Wells, Nev., applied to the Defense Minerals Exploration Administration for Government assistance in a $40,000.00 program to explore for tungsten on the Noonday Mines property situated 55 miles southwest of Wells, Elko County, Nev.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III to determine whether tungsten showings on the High Ore No. 6 claim were sufficient to justify the project proposed by the applicant and to obtain data necessary to complete a contract. Accordingly, an examination was made on May 18, 1954 by a geologist of the U.S. Geological Survey and an engineer of the U.S. Bureau of Mines.

The applicant proposed to rebuild about two miles of road, construct a small mine plant, sink a shaft to a depth of 100 feet, and crosscut from the bottom of the shaft to intercept dikes exposed in surface cuts, estimated to cost $40,000.00.

In the vicinity of the mine workings, the predominant rock is limestone that has been recrystallized to marble by contact metamorphism. The marble has been invaded by pegmatite dikes. Near the borders of the dikes, contact metamorphism has formed tactite zones composed of the usual contact minerals. The tactite zones rarely exceed two or three feet in width, except where they extend out along fractures. In places, the tactite has been almost completely altered to chlorite.

The largest concentration of scheelite occurs in the chloritized tactite but some scheelite is found in relatively unaltered tactite, and a little is found in the pegmatite dikes. Although the best ore occurs in the chloritized tactite, the ore bodies are discontinuous, forming roughly small tabular pods at or near the surface.

While a small tonnage of ore may be recovered, it appears unlikely that the property would yield sufficient ore to justify a loan. It is therefore recommended that the application for a loan be denied.

INTRODUCTION

In connection with an application for exploration assistance, Docket DMEA-3165, the property of the Hemsday Mines tungsten prospect was examined May 18, 1954 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 the Hemsday Mines Limited. John H. White's (President-Treasurer) application for aid in exploring tungsten showings found on their High Ore group of claims.

DESCRIPTION OF PROPERTY

Property holdings comprise 10 unpatented lode mining claims known as the Galena No. 1, Cerrusite No. 1, the Viola No. 1 and No. 2, and the High grade group 1 to 6 (referred to as tungsten claims) which claims are also known as the Viola 1 and 2 and the High Ore 1 to 6, situated in the Ruby Mountain Mining District, sec. 2, T. 30 N., R. 50 E., Elko County, Nev., about 55 miles southwest of Wells the supply and shipping point on the Western Pacific Railroad.

To reach the property from Wells, Highway 93 is followed south 29 miles to the Ruby Valley turnoff . The Ruby Valley road (State Highway 11) is then traveled southwesterly 26 miles to the Neenday Mines turnoff. From this point, a fair mountain road is traveled west 2.5 miles to the High Ore claim, which lies near the crest and on the north side of an eastward trending low ridge on the south slope of Battle creek.

COMPETENCY OF APPLICANT

The Neenday Mines Limited during the past few years developed a lead-zinc mine on the north end of the property. The work was under the direction of Fred H. Crosby, who has had 15 years experience in carrying on mining operations in various localities. Mr. Crosby would have charge of the program proposed in connection with this exploration project.

HISTORY

The claims were located by W. H. Lambert and H. M. Bowring; and by Decree of the District Court, County of Elko, State of Nevada, the above two mentioned men, as a partnership, are the owners and possessors of the said mining claims. They were secured by the Meneday Mines Limited on an option to purchase May 24, 1951. Included in the assignment were the Galena No. 1 and the Corrusha No. 1 claims on which considerable work has been done, and a small production made. Production from these claims was stopped when the price of lead and zinc declined below 13 cents per pound.

Work on the High Ore No. 6 claim, on which the tungsten showings are found, were partially exposed by bulldozer trenches during the summer of 1953. During the period of World War I considerable surface and underground work was done, and an undisclosed amount of tungsten produced. Aside from the few surface trenches, no concerted effort has been made by the Meneday Company to systematically develop the tungsten bearing area. According to Mr. Crosby, most of the company's efforts are being spent in prospecting the Utah plateau area for uranium.

PHYSICAL FEATURES

The claims are located in the low foothills on the east flank of the Ruby Mountains in an area of moderately low relief at an altitude of about 7,000 feet. Climate in the area is temperate with long, cold winters and cool summers. Precipitation occurs usually as snow with occasional

rains during the fall and spring months. Winter weather is sometimes severe enough to impede or stop mining operations for several weeks at a time. For domestic and mining use, water is available from Battle Creek which courses through the property. During late fall this source may not be adequate. Vegetation on the property consists of sagebrush, mountain mahogany with some cottonwood and aspen along the creek bottom.

Transmitted electric power is not available, and for generation of power it would be necessary to supply fuel oil in drums from Wells, 55 miles northeast.

HOUSING FACILITIES

Housing facilities include a well-equipped boarding and bunk house and an office which are sufficient to accommodate a crew of 10 to 12 men.

EQUIPMENT

Equipment on the property includes a 400 cubic feet compressor powered by a 105 horsepower Diesel engine, mucking machine, seven ore cars, electric welder, fuel tank, compression drills, 3 kw generator set, 60 kw generator set, a hoist powered by a 52 horsepower motor, and a limited supply of small hand tools.

DEVELOPMENT

In addition to ten surface trenches of varying lengths which were recently excavated, development openings consist of two shallow shafts and three crosscut adits. The underground openings approximate about

300 feet and are irregularly spaced in an area 200 feet wide and 1500 feet in length.

GEOLOGY AND ORE DEPOSITS

The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes composed of feldspar, quartz, and muscovite. Near the borders of the dikes contact metamorphism has formed tactite zones composed of tremolite, actinolite, epidote, and garnet; the tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. Although the best ore occurs in the chloritized tactite, the ore bodies are discontinuous, forming roughly tabular pods and lenses as much as 12 feet in longest dimension which may average 0.86 percent WO_3.

SAMPLING

Because of the sporadic occurrences of tungsten found in the surface and underground openings, no attempt was made to systematically sample the deposit. For the purpose of determining the approximate grade of the ore exposed in the better mineralized sections, a series of four samples were taken. Their positions are shown on figure 3.

Details regarding them follows:

Sample No.	%, WO_3	Description
1674	0.25	Cut across 2.5 feet, face of stub drift off 30-foot inclined shaft.
1675	2.49	Chip across 15 inches in second dozer cut west of inclined shaft, 18 feet in from south end of cut.
1676	0.01	Cut across 2 feet north side pit, 500 feet west of inclined shaft.
1677	1.09	Cut across 6 feet in footwall of inclined shaft; 8 feet below surface; about a 6-inch thickness of chloritic material.

ORE RESERVES

In general, the better scheelite-bearing areas occur in small discontinuous pods at or near the surface. Workings on the High Ore No. 6 claim contain about 10 tons of measured and indicated ore averaging 0.88 percent WO_3; an additional 30 tons of ore of the same grade can be inferred. As the scheelite near the workings on the High Ore No. 7 claim occurs only as float, ore reserves on that section of the property could not be estimated.

PROPOSED EXPLORATION

The applicants propose to rebuild two miles of road from the present camp to where a shaft would be sunk; level off the surface for a combined compressor and hoist house 20 by 36 feet, a shop and a dry room, sink a 9 by 6 foot 2-compartment shaft to a depth of 100 feet, and to crosscut 225 feet from the bottom of the shaft in a southeasterly direction

to intercept dikes exposed in the open cuts on surface. Should the initial work meet with successful results, it may be necessary to drift and crosscut a maximum of 1,000 feet.

The applicant estimates the proposed work would cost $40,000.00 and would require eight months to complete.

The applicants proposal to sink a 100-foot shaft and crosscut to the dikes appears premature in view of the surface showings. As only a small amount of work has been done on the surface, it would be advisable for the applicant to do additional trenching and bulldozing to determine if underground work is justified.

CONCLUSIONS

The scheelite-bearing areas are confined to small discontinuous pods at or near the surface. Practically all of the old underground workings encountered pegmatite at shallow depths. While a small tonnage of ore may be recovered it appears unlikely that the property would yield sufficient ore to justify a loan. It is therefore recommended that the application for a loan be denied.

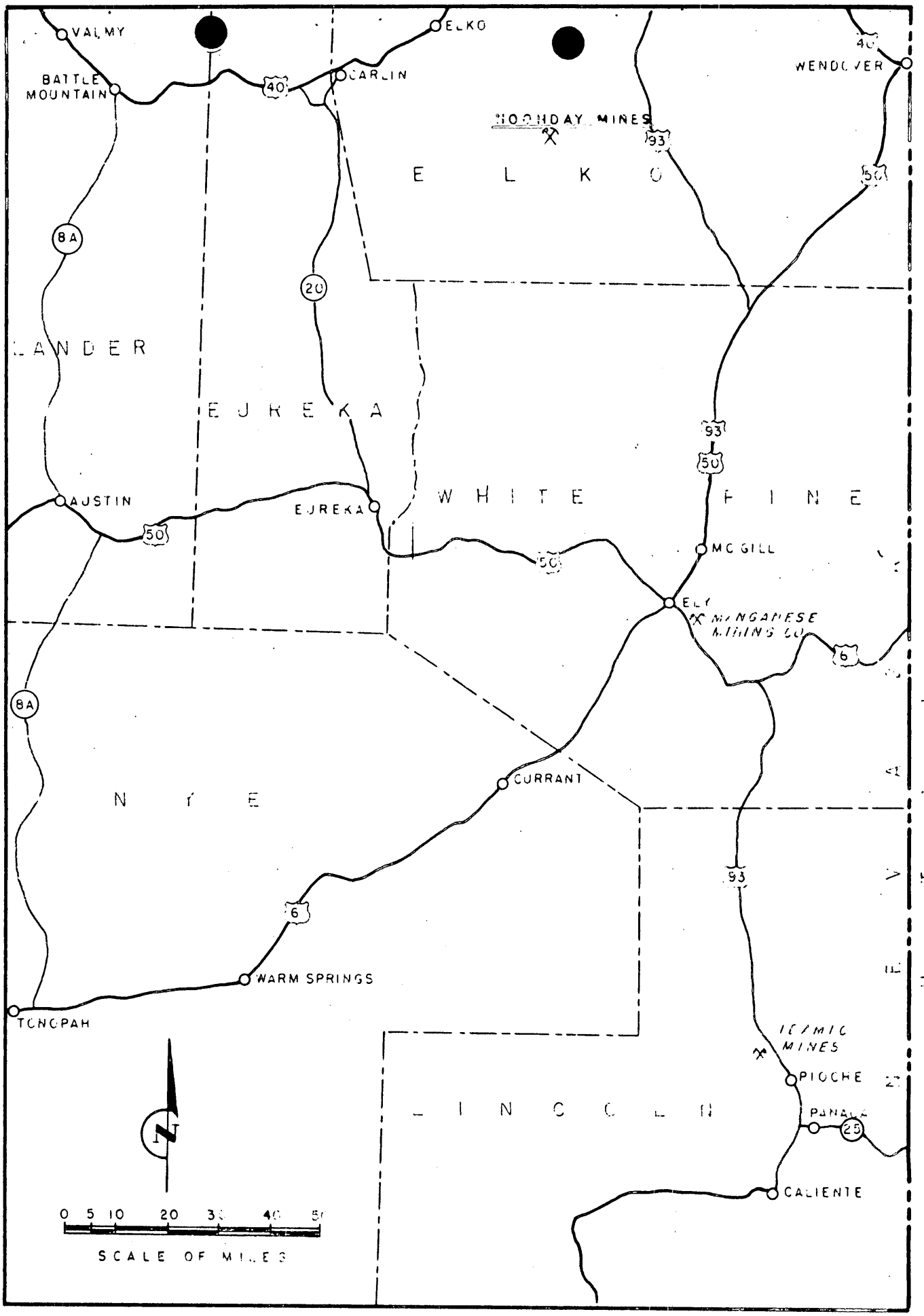
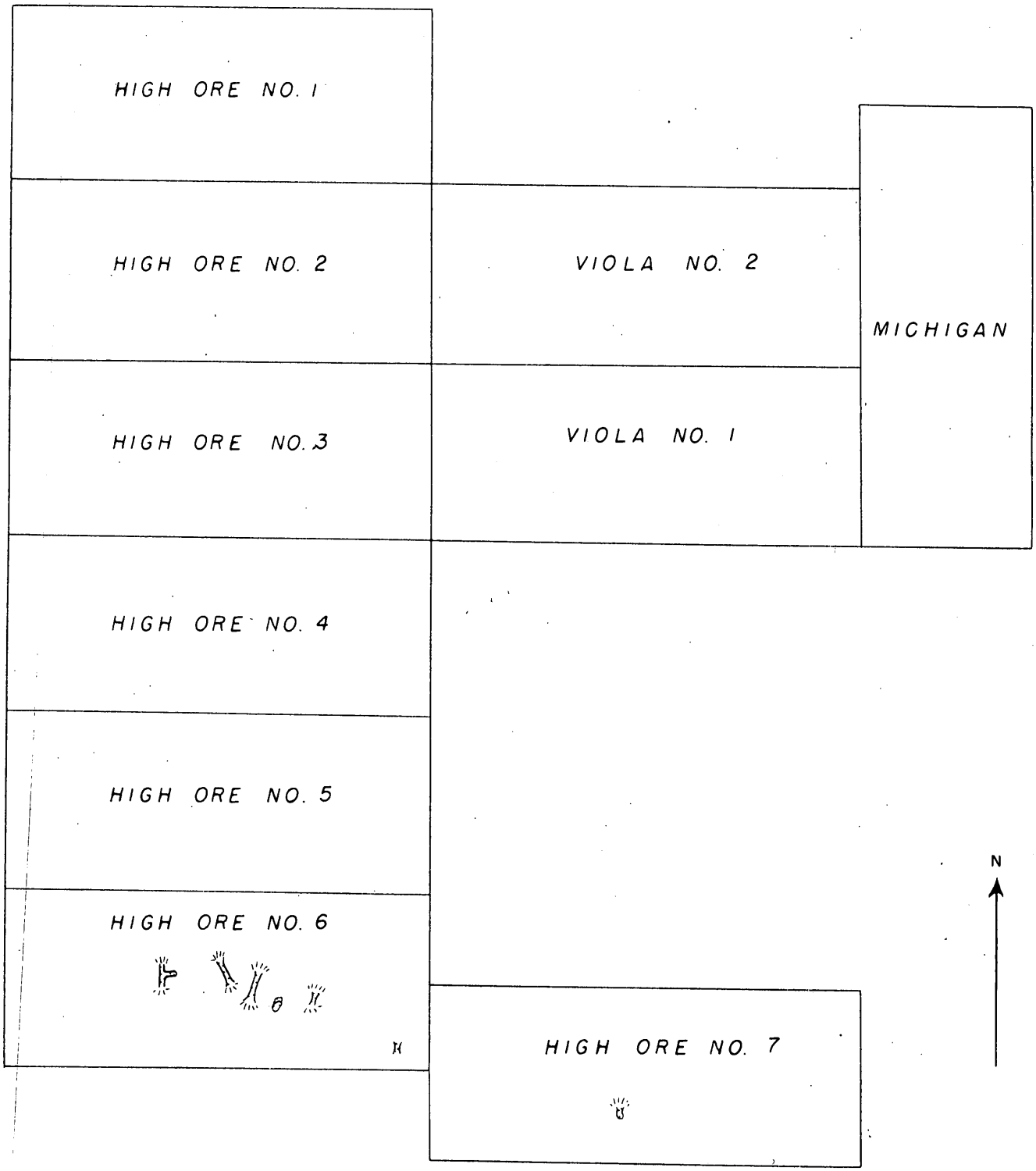


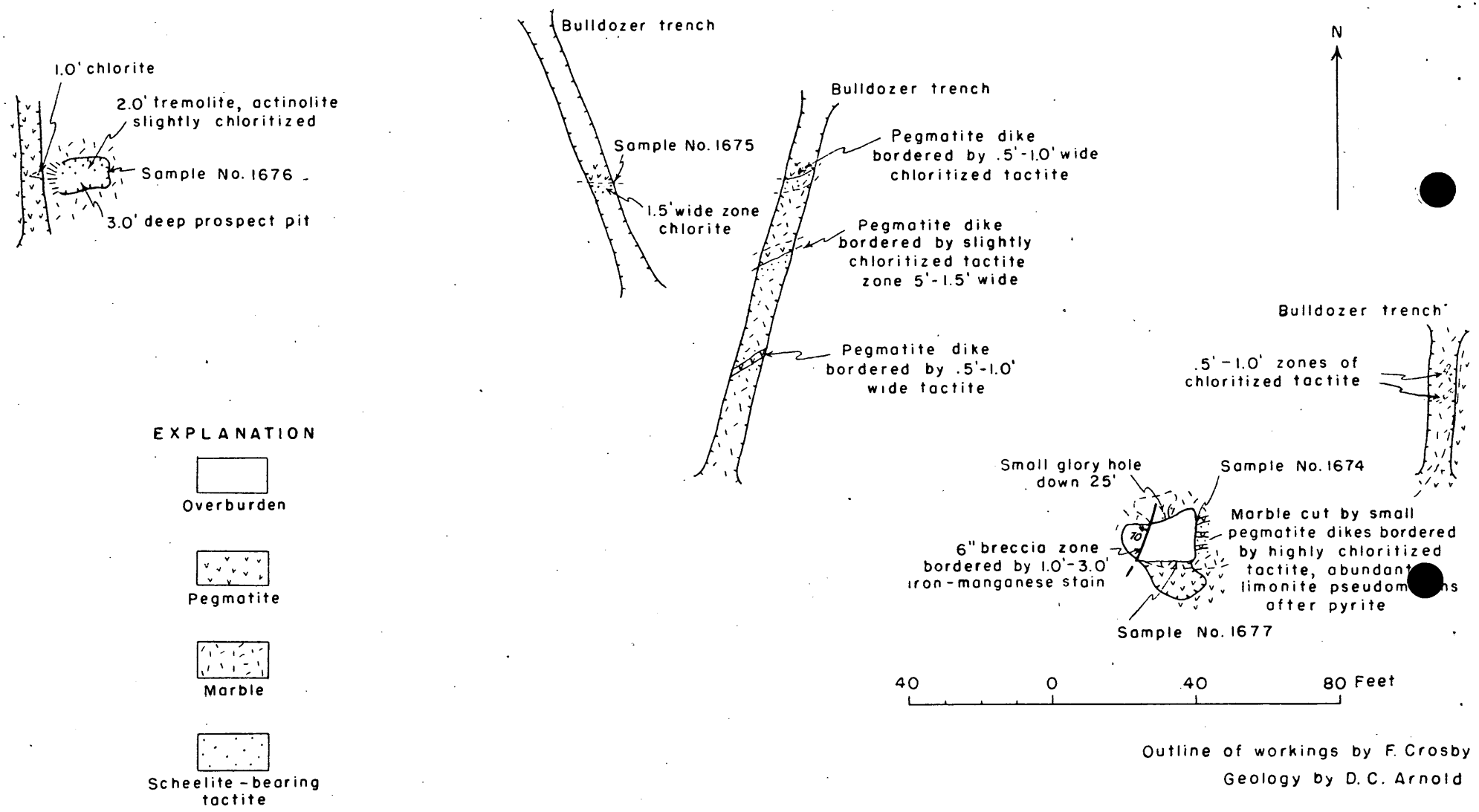
FIGURE 1. LOCATION MAP.



CLAIM MAP SHOWING LOCATION OF WORKINGS
NOONDAY MINES LTD., ELKO COUNTY, NEVADA

300 0 300 600 Feet

FIGURE 2



Outline of workings by F. Crosby
Geology by D. C. Arnold

SKETCH MAP OF WORKINGS ON HIGH ORE NO. 6 CLAIM
NOONDAY CLAIMS LTD., ELKO COUNTY, NEVADA

FIGURE 3

NOV 4 1953

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

Re: Docket No. DMEA 3195 - Tungsten
Moonday Mines, Limited
Moonday mine
Elko County, Nevada

Dear Mr. Miller:

Reference is made to the subject application for exploration assistance, which is being referred to your office for review and a field examination.

A copy of a memorandum of October 26, 1953, by T. P. Thayer, U. S. Geological Survey, is enclosed for our information.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosure

APPROVED:

J. H. Hedges

Member, Bureau of Mines

A. R. Kinkel, Jr.

Member, Geological Survey

JHopkins/ls 11/4/53

CC: DOCKET
FT, REG. 3
CODE 400
OPER. COMM.
T. P. THAYER, USGS
R. W. GEEHAN, USBM
ADM. READING FILE

NOV 6 1953

Mr. John D. White, President-Treasurer
Moonda Mines, Limited
Post Office Box 1
Wells, Nevada

Re: Docket No. DMEA 3195 - Tungsten
Moonday Mines, Limited
Moonday mine
Elko County, Nevada

Dear Mr. White:

Your application for assistance in exploring a tungsten occurrence on mining claims of the Moonda Mines, Ltd., Elko County, Nevada, has been reviewed by the Iron and Ferro-Alloys Division, DMEA, and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for further consideration and a field examination of the property.

The regional office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mitzender

Administrator

JHopkins/ls 11/4/53

cc: Docket
FT, Reg. 3
Code 400
Oper. Comm.
Adm. Read. File
R. W. Gaehan, USBM
T. P. Thayer, USGS

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

400

October 26, 1952

Memorandum

To: [illegible] Martin, [illegible]

From: [illegible] Thayer, [illegible]

Subject: [illegible] 2195-Tungsten
Moonday Mines Limited
[illegible] Box 71
Ely, Nevada

The applicant proposes to spend $40,000 to sink a shaft 100 feet and do a lot of drifting on scheelite bearing chloritic dikes in limestone and pegmatite. Some assays are given purporting to indicate ore up to 5.72 percent WO_3 in widths up to 3 feet or thereabouts.

The applicant's map shows open cuts or trenches, on the veins and dikes, but apparently does not show the work planned.

The Geological Survey has no information on a deposit at the location given, and the docket will have to be referred to the field for evaluation as to worthiness for a project and formulation of a program.

[illegible] Thayer

Copy retained 602

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1953

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. DM69-3195
Metal or Mineral
Date Received 10-19-53
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: [illegible]

(*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.

5. *The exploration project.*—(*a*) [redacted]he mineral or minerals for which you wi[redacted]xplore .....

.....

(*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.

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated ....., 195[redacted]

.....
(Applicant)

By .....

.....

.....

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 15 1953

1. Name of applicant.-

(a.) Bearing Mines Limited
P. O. Box 71
Wells, Nevada.

(b.) Bearing Mines Limited is a corporation organized under the laws of the State of Nevada. Said corporation was organized on the 14th day of June, 1951, with head office from the First National Bank, 19 East First Street, Reno, Nevada.

(c.) The officers of the corporation are:

John B. Mills, President-Treasurer,
Fred L. Grady, Vice-President,
Hallie G. Mills, Secretary, address of the above named officers P. O. Box 71, Wells, Nevada.
William Mills, Vice-President, address P. O. Box 57, Ventura, Utah.

(d.) Not a partnership, but a corporation.

Address:
Bearing Mines Limited
P. O. Box 71
Wells, Nevada.

2. Applicant's property rights.-

(a.) The legal description of the land upon which we wish to explore, including all land which we control that may be benefited by the exploration:

High Ore No. 1 recorded in Book 20 of Mining Locations, page 277, High Ore No. 2 recorded in Book 20 of Mining Locations, page 277, High Ore No. 3 recorded in Book 20 of Mining Locations, page 278, High Ore No. 4 recorded in Book 20 of Mining Locations, page 279, High Ore No. 5 recorded in Book 20 of Mining Locations, page 277, High Ore No. 6 recorded in Book 20 of Mining Locations, page 280, Delta No. 1 recorded in Book 20 of Mining Locations, page 276, Delta No. 2 recorded in Book 20 of Mining Locations, page 276 and

High Ore No. 7 recorded in Book 21 of Mining Locations on page 76. The Location Notices and Affidavit are recorded in the office of the County Recorder of Elko County, State of Nevada.

All of the above mentioned unpatented mineral claims are located in Section 31 township 38 Mining Range 58 East in Elko County, State of Nevada.

(b.) The mine name by which the property is known is Stanley Mine.

(c.) We are the purchaser under contract of the High Ore No. 1; High Ore No. 2; High Ore No. 3; High Ore No. 4; High Ore No. 5; High Ore No. 6; Delta No. 1; Delta No. 2 and the owner of High Ore No. 7.

(d.) Attached hereto is a copy of the contract to purchase between H. E. Lindell, Ole Taylor and John R. Miller, the Vendor, dated May 8, 1951, extension of option to purchase and an assignment of the option to purchase by John R. Miller to the applicant, Stanley Mines Limited.

(e.) There are no liens or encumbrances against the High Ore No. 7 unpatented mineral claim owned by the Stanley Mines Limited.

(f.) The book and page numbers of each recorded location notice are hereinbefore set forth.

Address
Stanley Mines Limited
P. O. Box 71
Delta, Nevada.

OPTION TO PURCHASE

This Agreement made this 24th day of May, A.D. 1951:

Between: W. H. LAMBERT, of the City of Ely, State of Nevada, (Hereinafter called "the Vendor")
and
JOHN B. WHITE, of the City of Spokane, State of Washington, (Hereinafter called "the Vendee")

Whereas the Vendor is a member of a mining partnership of which the members are H. M. Bowring and himself, this having been established by Decrees of the District Court, County of Elko, State of Nevada; And Whereas the Court has Decreed that such partnership is the owner and possessor of said mining claims known and described as:

Galena No. 1 and Cerrusite No. 1 (referred to as lead claims) all located as unpatented mining claims near Battle Creek in Elko County, State of Nevada, and whereas the Vendor also holds title as an individual to the unpatented mining claims on Battle Creek in Elko County, Nevada, described as Viola No. 1, Viola No. 2 (having the camp buildings located thereon) and Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6 (referred to as tungsten claims), which claims are also known as Voila No. 1 & 2 and High Ore No. 1 to 6.

And Whereas the Vendor is desirous of disposing of said mineral claims and having the property operated and the Vendee is interested in operating and acquiring same.

WITNESSETH:

FIRST OPTION

1. That in pursuance of the premises and in consideration of the sum of Five Hundred Dollars ($500.00) now paid by the Vendee to the Vendor on the date hereof, the receipt whereof the Vendor hereby acknowledges, and subject to the provisions hereinafter contained, the Vendor hereby grants to the Vendee;

(a) The exclusive option to purchase and to acquire all the right, title and interest to the Vendor therein to the lead claims Galena No. 1 and Cerrusite No. 1, by payment of the further sum of Nine Thousand Five Hundred Dollars ($9,500.00).

(b) The right to go upon the property for a period of 90 days and do exploration work as he desires without damage to the property, and during such period ship no ore from the property.

The Vendor and the Vendee agree:

(c) To place in Escrow with the First National Bank of Nevada in Ely, Nevada, a Deed conveying all his right, title and interest in the claims known as Galena No. 1 and Cerrusite No. 1.

(d) Upon payment of the purchase price amounting to Nine Thousand Five Hundred Dollars ($9,500.00) the said bank shall deliver to the Vendee the Deed above referred to.

(e) The bank shall return to the Vendor said Deed if the balance of the said purchase price is not paid into the bank on or before ninety (90) days from date hereto. Deposit of Cashier's Check for the above amount being deemed sufficient payment if honored.

(f) That the Vendee shall have the right to occupy and use all the Vendor's buildings and it is understood upon the payment of the purchase price herein mentioned that all equipment located on the property shall become the property of the Vendee, it being understood that the Vendor is conveying and selling his partnership interest.

SECOND OPTION

2. IT IS AGREED:

(a) That the Vendor in consideration of the premises and subject to the provisions hereafter contained grants to the Vendee:

(b) The exclusive option to purchase the mining claims known as the Viola No. 1, Viola No. 2, Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6, upon payment of the further sum of Ten Thousand Dollars ($10,000.00) within a period of two and one half years. (11-24-53).

The Vendor and Vendee agree:

(c) The Vendee shall have the exclusive possession of the mining claims known as Viola No. 1 and Viola No. 2 for campsite purposes, but Vendee shall permit the Vendor to lease the Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6 to PERRY STEDMAN or some other responsible party providing such lease provides that twenty five percent (25%) of the net smelter returns or amounts paid by a legitimate buyer of Tungsten Ore are applied in payment as a credit upon the purchase price of the Tungsten claims.

(d) That the Vendee shall pay to the Vendor ten percent (10%) of the net smelter returns from all ore shipped from the Galena No. 1 and Cerrusite No. 1, referred to as lead claims, and such net smelter returns it is understood, constituting the amount of the smelter check less charges, freight and transportation.

(e) Upon the receipt of Ten Thousand Dollars ($10,000.00) from royalties that the vendor agrees as aforestated, the bank shall deliver to the Vendee a Deed placed in Escrow, whereby the Vendor conveys to the Vendee all his right, title, interest in and to the said Tungsten claims together with all buildings, machinery, tools and equipment thereon.

IT IS UNDERSTOOD:

(f) Each payment as contemplated on account of the purchase price for the Tunsten claims shall be paid to the First National Bank of Ely, Nevada, for deposit to the credit of the Vendor, or the Vendor and the Vendee may in writing agree upon another bank as such depository.

(g) That balances of the purchase price remaining unpaid shall become due and payable two and one half (2½) years after date of this Option; otherwise this option to terminate and be deemed of no further force and effect.

(h) That the Vendee shall do the assessment work on the Tungsten claims if no leases authorized to work by the Vendor is so engaged, but the Vendee may avoid doing assessment work on any one or more of the Tungsten claims by giving notice to the Vendor of his election to abandon such claims, and forwarding to the Vendor a quit claim deed conveying any interest it may have under the terms of this option.

COVENANTS OF VENDOR 3. The Vendor covenants and agrees with the Vendee:

(a) That the Vendor has a good title to the Tungsten claims, and the right to enter into this agreement.

(b) That the property is clear of all encumbrances and that the Vendor has done nothing whereby it may be encumbered.

(c) That the Vendee shall have possession of the Tungsten mining claims.

(d) That upon the termination of the option the Vendee shall have ninety (90) days of seasonable weather within which to remove from the property all his machinery, equipment, tools and supplies, whether or not any of the same shall be affixed to the land, this to include as well any buildings, commonly known as portable.

(e) That if the Vendee extracts and disposes of any Tungsten Ore he shall account and pay to the Vendor royalty of twenty five percent (25%) of the net smelter returns to apply upon the purchase price.

(f) That the Vendee without the consent of the Vendor may assign this option.

COVENANTS OF VENDEE 4. That the Vendee covenants and agrees with the Vendor;

(a) That he will indemnify the Vendor against and save the Vendor harmless from any and all claims for materials and wages or either of them arising from the operations of the Vendee on the property.

(b) That all operations, which the Vendee shall do will be done in a good and minerlike manner.

(c) That the Vendee will allow the Vendor or his agent authorised in writing in that behalf, at reasonable intervals and times, to inspect all assay returns and to inspect the property and mining operations.

(d) That in the event of the option not being exercised, all installments and royalty paid on the purchase price shall be retained by the Vendor.

Notice by Vendor 5. Any notice from the Vendor to the Vendee shall be in writing and shall be given by the following methods:

(a) By personal service on the Vendee.

(b) By prepaid registered letter addressed to the Vendee at P. O. Box 1732, Spokane, Washington.

Notice by Vendee 6. Any notice by the Vendee to the Vendor shall be in writing and given by one of the following methods:

(a) By personal service.

(b) By registered letter, postage prepaid, addressed to the Vendor, P. O. Box 637, Ely, Nevada.

7. In any case of notice by air mail registered letter, notice shall be deemed to have been served on the other party on the 10th day after mailing the letter, and after any service the party claimed in default shall have twenty (20) days to obviate any alleged breach of this contract.

8. The Vendee upon giving notice to the Vendor of his election to terminate this option, shall not be liable thereafter to pay any further sum or to exercise this option. It is understood that the Vendee is not liable for any assessment work to be performed prior to July 1, 1951.

9. Time shall be the essence of this agreement.

10. This agreement shall enure to the benefit of and be binding upon the heirs, executors, administrators, successors and assigns, respectively, of the parties hereto.

IN WITNESS WHEREOF the parties hereto have set their hand and seals this day and year above written.

W. H. LAMBERT
W. H. LAMBERT, Vendor

JOHN B. WHITE
JOHN B. WHITE, Vendee

I hereby sell, assign, set over and convey all my right title and interest in the foregoing option to purchase dated the 24th day of May, 1951, to Moonday Mines Limited, a Nevada Corporation.

JOHN B. WHITE
John B. White

STATE OF NEVADA,)
) SS.
COUNTY OF WHITE PINE)

On this 24th day of May, 1951, personally appeared before me, a Notary Public in and for said County and State, W. H. LAMBERT and JOHN B. WHITE, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Option to Purchase first above written.

NANCY MILLER
NOTARY PUBLIC

EXTENSION OF OPTION TO PURCHASE

This Agreement made this 20th day of July, 1953:
Between: W. H. Lambert of the City of Ely, State of Nevada, (hereinafter called the Vendor)

and

John B. White, of the City of Spokane, State of Washington, (Hereinafter called the Vendee)

Whereas the Vendor and the Vendee entered into an Option to Purchase certain mineral claims now comprising the Viola No. 1; Viola No. 2; High Ore No. 1; High Ore No. 2; High Ore No. 3; High Ore No. 4; High Ore No. 5 and High Ore No. 6 in the Ruby Mountain Mining District, County of Elko, State of Nevada on which a balance on the purchase price amounting to the sum of Nine Thousand Six Hundred Fifty Three Dollars Thirty Six Cents ($9,653.36) still remains unpaid and

Whereas the Vendor has agreed with the Vendee to extend the original Option to Purchase referred to above for an additional year,

WITNESSETH:

Now therefore in consideration of the premises and the sum of One Dollar ($1.00) in hand paid the Vendor extends the time of fullfillment of the Option to Purchase from the 24th day of November, 1953 until the 24th day of November, 1954, and it is understood all the terms and conditions of the Option to Purchase are to remain in full force and effect.

IN WITNESS WHEREOF the parties hereto have set their hands and seals this day and year above written.

W. H. LAMBERT
W. H. Lambert, Vendor

JOHN B. WHITE
John B. White, Vendee

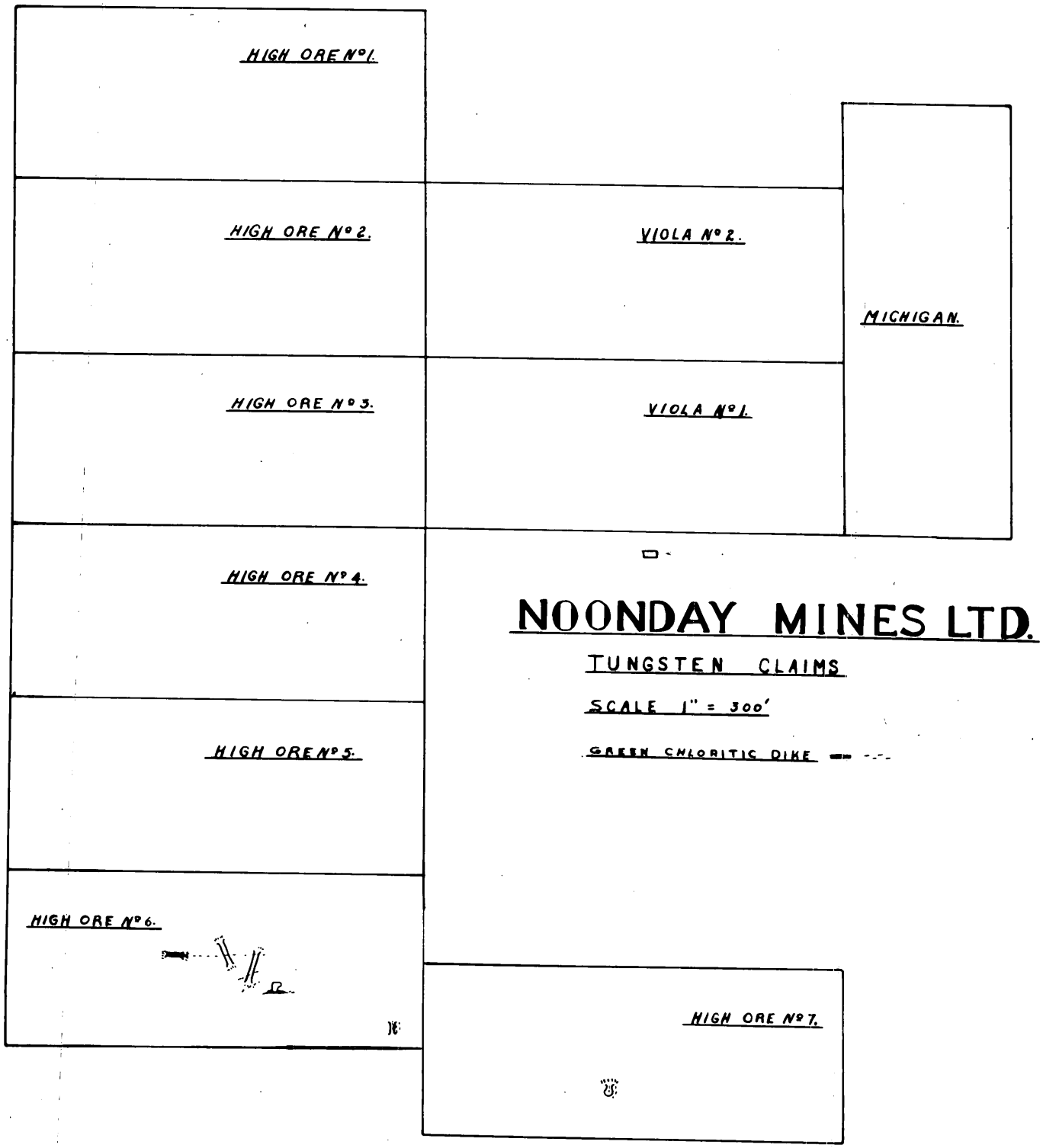
State of Nevada)
) ss.
County of White Pine)

On this 22nd day of July, 1953, personally appeared before me, a Notary Public in and for said County and State, W. H. LAMBERT, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Extension of Option to Purchase first above written.

HORACE B. BATH
Notary Public

Horace B. Bath, Notary Public
My Commission expires July 18, 1957.


HIGH ORE Nº 1.
HIGH ORE Nº 2.
VIOLA Nº 2.
MICHIGAN.
HIGH ORE Nº 3.
VIOLA Nº 1.
HIGH ORE Nº 4.
NOONDAY MINES LTD.
TUNGSTEN CLAIMS
SCALE 1" = 300'
GREEN CHLORITIC DIKE
HIGH ORE Nº 5.
HIGH ORE Nº 6.
HIGH ORE Nº 7.

4. Physical description.

(a.) The county road for the most part is Macadam, with a half or more passed of the county land and land, with an intermediate width and length.

Green Schoolhouse Lake Extends the line having to general on East, West side and digging to the North about 3/4 degree. Schoolhouse is well developed through the lines of which open cuts have exposed that appear to be a lime producing a picture as seen on the map.

The applicant is directly interested in constructing a satisfactory result from any work done, for the reason it gives a improved state and is capable by produce a improved lime.

The property is easily accessible by 3 miles of road from the county highway, and to reach your applicant's camp on Little Lake. The Valley, Ferrelle, Grant Parish road from as Highway No. 99 to miles and that from Lockwood to the junction of No. 95 mile. The Lake Valley road and Sellers Side road for 22 miles to your applicant's property.

(b.) There are no oil or gas prospects.

(c.) The county road is passable and connection lines through the lines, channel angles into other claims the lines have exposed in the lake, giving an average width of measure 2 to 4 feet and an average of 4.25 deep.

To produce the ability to produce one, there is believe a large amount of lime can be developed, which will justify the cost of the one and the transport a of a mill for selling the result.

There are abundant forests.

Your applicant has no explanatory report.

(d.) Since (c.) shows the accessibility of the property and cost of the applicant's camp is located on the mill road to close proximity to the Red River channel station.

The distance from Mills, Lincoln, the supply and shipping point is 3 miles and is accessible by good road to mill of which is paved and the other 7 miles a good parochial county road.

(e.) Lime, extensive, complex, ordinary, white and pure are all available, and it may be stated such is to discount there.

Respectfully
Lecany Lime Limited
P. O. Box 71
Mills, Lincoln.

5. The exploration project.

(a.) The mineral the child is also to explore is Magnet (Lodestone) [illegible].

(b.) The mine of coal will have to be probable, from the present map to where a shaft should be sunk.

The surface will have to be located on the a outlined compound and lands lands 25' x 30', a step and a day room.

[illegible] 5' x 6', a compressor should be sunk 100 feet.

A [illegible] connected from the bottom of the shaft down to a small horizontal direction should be made and a other connected to the open air on surface. Lights and accessories to shaft will be from lines on [illegible] map, outlines the proposed underground property.

It may be necessary to sink and connect 2,100 feet to shaft with the surface drainage, if the [illegible] work makes this necessary.

(c.) The work on the [illegible] should be done, the machine possibilities and be supplied within a month. The date of an exploration project should be approved.

(d.) Regarding the expenditure, [illegible] of the applicant with relation to the ability to carry out such kind of the project, this applicant has spent up a little; the deposit during the 2 years have gone, an interest claims to the health of the claims in which this [illegible] should be located. This work has required the expenditure of a large amount of capital. [illegible] the [illegible] time had [illegible] of this work. He has had [illegible] years of experience in mining [illegible], specialists and will keep charge of the progress [illegible] in connection with this exploration project.

[illegible]
[illegible] Mines Bureau
[illegible] Ave. [illegible]
[illegible], Ohio.

6.- Estimate of costs.-

(a.) Subscribing [illegible].- Nil

(b.) Labor, supervision, remuneration.-

2 Miners at $15.00 per day for period of 365 days	$ 7,300.00
4 Workers @ $4.00 " " " " " " "	5,840.00
1 Supervisor at $250.00 per month	3,000.00
1 Geological Consultant	500.00

(c.) Operating materials and supplies.-

5,000 gallons Diesel at 20¢ per gal.	1,000.00
1,000 " Gasoline at 20¢	200.00
250 " Oil at 70¢	175.00
100 lbs. Grease at 40¢ per lb.	40.00
20 [illegible] at $[illegible]	[illegible]
10 Rock Drill at $[illegible] per day	[illegible]
[illegible]	[illegible]
[illegible]	300.00
[illegible]	150.00
[illegible]	150.00
[illegible]	500.00
[illegible]	500.00
[illegible]	500.00
[illegible]	90.00
[illegible]	500.00

(d.) [illegible].-

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
3 [illegible]	[illegible]
2 [illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
2 [illegible]	[illegible]
[illegible]	[illegible]

(e.) Transportation and repairs.-

(f.) [illegible].-

1 [illegible]	[illegible]
Rental [illegible] and cooling equipment and [illegible]	1,000.00

(g.) Miscellaneous.-

Industrial Insurance	1,750.00
[illegible] Tax	625.00
Unemployment	400.00
[illegible]	520.00

(h.) Contingencies.- Repairs, Credits, Interest [illegible]

Address

Boomday Mines Limited
P.O. Box 71
Dello, Novada.

7. (a.) The applicant is prepared to furnish not more 25 per cent, ten thousand dollars ($10,000.00) of the proposed project forty thousand dollars ($40,000.00) in accordance with the regulation on Government participation (Sec. 7 WPA No. 1).

(b.) Is a truck of scrap cut on diameter of $400.00 per month for the use of our equipment.

Address
Goodsby Mines Limited
P. O. Box 71
Wells, Nevada.

400

Docket
Surname
Rutledge
Martin
Geehan
Newcomb
Hedges
Gould
Selfridge
Johnson

JUL 12 1954

Mr. John B. White, President-Treasurer
Noonday Mines, Limited
Post Office Box 71
Wells, Nevada

Re: Docket No. DMEA 3195 - Tungsten
Noonday mine
Elko County, Nevada

Dear Mr. White:

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 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
7-7-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.
FT. Reg. 3
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.

Docket
Surname
Rutledge
Mgrtler
Geehan
Newcomb
Hedges

July 8, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $43,333.33
Docket No. DMEA 3195 - Tungsten
Noonday Mines, Limited
Noonday mine
Elko County, Nevada

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

1. The Applicant proposed to sink a 100-foot shaft and crosscut 225 feet to intersect 4 dikes that are exposed in the open cuts.

2. The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes and near the borders of the dikes contact metamorphism has formed tactite zones. The tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. The ore bodies are small and discontinuous forming roughly tabular pods and lenses, the largest of which is 8 feet long and 0.5 to 1.0 foot wide and may average 0.75 percent WO_3. The average size of the scheelite concentrations is, however, more nearly 3 feet long and 0.5 foot wide and may be expected to extend downward from 2 feet to 3 feet.

3. Because of the small size of the mineralized lenses, the examining field team recommended denial of the subject application for exploration assistance.

RCh.

4. The Field Team concurs with the recommendations of the examiners.

5. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

W. S. Martin, Chief
Iron and Ferro-Alloys Division

FARUTLEDGE:foc
7-8-54
cc to: Docket
Code 400
Adm. Reading File
Operating Comm.

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

July 8, 1954

MEMORANDUM

To: Administrator, DMEA

From: Chief, Iron and Ferro-Alloys Division

Subject: Denial of exploration project in the amount of $43,333.33
Docket No. DMEA 3195 - Tungsten
Noonday Mines, Limited
Noonday mine
Elko County, Nevada

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

1. The Applicant proposed to sink a 100-foot shaft and crosscut 225 feet to intersect 4 dikes that are exposed in the open cuts.

2. The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes and near the borders of the dikes contact metamorphism has formed tactite zones. The tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. The ore bodies are small and discontinuous forming roughly tabular pods and lenses, the largest of which is 8 feet long and 0.5 to 1.0 foot wide and may average 0.75 percent WO_3. The average size of the scheelite concentrations is, however, more nearly 3 feet long and 0.5 foot wide and may be expected to extend downward from 2 feet to 3 feet.

3. Because of the small size of the mineralized lenses, the examining field team recommended denial of the subject application for exploration assistance.

4. The Field Team concurs with the recommendations of the examiners.

5. The Commodity Divisions of the Bureau of Mines and Geological Survey concur in the denial.

W S Martin

W. S. Martin, Chief
Iron and Ferro-Alloys Division

Docket

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

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

June 29, 1954

WSM

Air Mail

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-3195 - Tungsten
Noonday Mines, Limited
Noonday Mine
Elko County, Nevada

Reference is made to my teletype to you dated June 28, 1954, informing you that Page 6 of the report on the subject property (dated June 22, 1954) was being rewritten and Figure 3 of the report revised.

Attached are four copies of the revised Page 6 and Figure 3. Kindly insert this page and Figure in the report in place of the corresponding page and Figure you now have in the report.

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

Fig 3 now has "Tactite" and "Scheelite" separately instead of "Scheelite-bearing tactite". It's hard to distinguish the symbols without color
WSM
7/1/54

Attachments

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno (With attachments)

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

300 feet and are irregularly spaced in an area 200 feet wide and 1500 feet in length.

GEOLOGY AND ORE DEPOSITS

The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes composed of feldspar, quartz, and muscovite. Near the borders of the dikes contact metamorphism has formed tactite zones composed of tremolite, actinolite, epidote, and garnet; the tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. The ore bodies are small and discontinuous forming roughly tabular pods and lenses, the largest of which is 8 feet in longest dimension and .5 to 1.0 foot wide which may average .75 percent WO_3; the average size of the scheelite concentrations is, however, more nearly 3 feet long and .5 foot wide and may be expected to extend downward from 2 feet to 3 feet.

SAMPLING

Because of the sporadic occurrences of tungsten found in the surface and underground openings, no attempt was made to systematically sample the deposit. For the purpose of determining the approximate grade of the ore exposed in the better mineralized sections, a series of four samples were taken. Their positions are shown on figure 3.

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

Docket

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

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

June 24, 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-3195 - Tungsten
Noonday Mines Limited
Noonday Mine
Elko County, Nevada

Reference is to your subject letter dated November 6, 1953, requesting a review and field examination of the subject property.

The property was examined on May 18, 1954, and there are attached four copies of a report entitled "DMEA-3195, Noonday Mine, Elko County, Nevada, (Tungsten)," by D. C. Arnold, Geologist, U. S. Geological Survey, and W. T. Benson, Mining Engineer, U. S. Bureau of Mines, dated June 22, 1954.

According to the report, the engineer and geologist are in agreement that it is unlikely that further exploration would indicate sufficient ore to justify a Government loan and, therefore, have recommended that the application be denied.

I concur with their recommendations.

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

Attachment

Copy to: Roscoe Smith, USGS
A. C. Johnson, Reno

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DOUGLAS McKAY, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA-3195, Noonday Mine

Elko County, Nevada

(Tungsten)

D. C. Arnold, Geologist
U. S. Geological Survey

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

June 22, 1954

Reviewed by
DMEA OPERATING COMMITTEE
7-2-54
(date)

EXAMINATION REPORT

Docket No.: DMEA-3195 (Tungsten)

Name and address of applicant: Noonday Mines Limited
John B. White, President
P. O. Box 71
Wells, Nevada

Name and location of property: Noonday Mine
Elko County, Nev.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Mr. John B. White, president, Noonday Mines Limited, P. O. Box 71, Wells, Nev., applied to the Defense Minerals Exploration Administration for Government assistance in a $40,000.00 program to explore for tungsten on the Noonday Mines property situated 55 miles southwest of Wells, Elko County, Nev.

A field examination was requested by the Executive Officer, DMEA Field Team, Region III to determine whether tungsten showings on the High Ore No. 6 claim were sufficient to justify the project proposed by the applicant and to obtain data necessary to complete a contract. Accordingly, an examination was made on May 18, 1954 by a geologist of the U.S. Geological Survey and an engineer of the U.S. Bureau of Mines.

The applicant proposed to rebuild about two miles of road, construct a small mine plant, sink a shaft to a depth of 100 feet, and crosscut from the bottom of the shaft to intercept dikes exposed in surface cuts, estimated to cost $40,000.00.

In the vicinity of the mine workings, the predominent rock is limestone that has been recrystallized to marble by contact metamorphism. The marble has been invaded by pegmatite dikes. Near the borders of the dikes, contact metamorphism has formed tactite zones composed of the usual contact minerals. The tactite zones rarely exceed two or three feet in width, except where they extend out along fractures. In places, the tactite has been almost completely altered to chlorite.

The largest concentration of scheelite occurs in the chloritized tactite but some scheelite is found in relatively unaltered tactite, and a little is found in the pegmatite dikes. Although the best ore occurs in the chloritized tactite, the ore bodies are discontinuous, forming roughly small tabular pods at or near the surface.

While a small tonnage of ore may be recovered, it appears unlikely that the property would yield sufficient ore to justify a loan. It is therefore recommended that the application for a loan be denied.

INTRODUCTION

In connection with an application for exploration assistance, Docket DMEA-3165, the property of the Noonday Mines tungsten prospect was examined May 18, 1954 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 the Noonday Mines Limited, John B. White's (President-Treasurer) application for aid in exploring tungsten showings found on their High Ore group of claims.

DESCRIPTION OF PROPERTY

Property holdings comprise 10 unpatented lode mining claims known as the Galena No. 1, Cerrusite No. 1, the Viola No. 1 and No. 2, and the High grade group 1 to 6 (referred to as tungsten claims) which claims are also known as the Viola 1 and 2 and the High Ore 1 to 6, situated in the Ruby Mountain Mining District, sec. 2, T. 30 N., R. 50 E., Elko County, Nev., about 55 miles southwest of Wells the supply and shipping point on the Western Pacific Railroad.

To reach the property from Wells, Highway 93 is followed south 29 miles to the Ruby Valley turnoff. The Ruby Valley road (State Highway 11) is then traveled southwesterly 26 miles to the Noonday Mines turnoff. From this point, a fair mountain road is traveled west 2.5 miles to the High Ore claim, which lies near the crest and on the north side of an eastward trending low ridge on the south slope of Battle creek.

COMPETENCY OF APPLICANT

The Noonday Mines Limited during the past few years developed a lead-zinc mine on the north end of the property. The work was under the direction of Fred H. Crosby, who has had 15 years experience in carrying on mining operations in various localities. Mr. Crosby would have charge of the program proposed in connection with this exploration project.

HISTORY

The claims were located by W. H. Lambert and H. M. Bowring; and by Decrees of the District Court, County of Elko, State of Nevada, the above two mentioned men, as a partnership, are the owners and possessors of the said mining claims. They were secured by the Noonday Mines Limited on an option to purchase May 24, 1951. Included in the assignment were the Galena No. 1 and the Cerrusite No. 1 claims on which considerable work has been done, and a small production made. Production from these claims was stopped when the price of lead and zinc declined below 13 cents per pound.

Work on the High Ore No. 6 claim, on which the tungsten showings are found, were partially exposed by bulldozer trenches during the summer of 1953. During the period of World War I considerable surface and underground work was done, and an undisclosed amount of tungsten produced. Aside from the few surface trenches, no concerted effort has been made by the Noonday Company to systematically develop the tungsten bearing area. According to Mr. Crosby, most of the company's efforts are being spent in prospecting the Utah plateau area for uranium.

PHYSICAL FEATURES

The claims are located in the low foothills on the east flank of the Ruby Mountains in an area of moderately low relief at an altitude of about 7,000 feet. Climate in the area is temperate with long, cold winters and cool summers. Precipitation occurs usually as snow with occasional

rains during the fall and spring months. Winter weather is sometimes severe enough to impede or stop mining operations for several weeks at a time. For domestic and mining use, water is available from Battle Creek which courses through the property. During late fall this source may not be adequate. Vegetation on the property consists of sagebrush, mountain mahogany with some cottonwood and aspen along the creek bottom.

Transmitted electric power is not available, and for generation of power it would be necessary to supply fuel oil in drums from Wells, 55 miles northeast.

HOUSING FACILITIES

Housing facilities include a well-equipped boarding and bunk house and an office which are sufficient to accommodate a crew of 10 to 12 men.

EQUIPMENT

Equipment on the property includes a 400 cubic foot compressor powered by a 105 horsepower Diesel engine, mucking machine, seven ore cars, electric welder, fuel tank, compression drills, 3 kw generator set, 60 kw generator set, a hoist powered by a 52 horsepower motor, and a limited supply of small hand tools.

DEVELOPMENT

In addition to ten surface trenches of varying lengths which were recently excavated, development openings consist of two shallow shafts and three crosscut adits. The underground openings approximate about

300 feet and are irregularly spaced in an area 200 feet wide and 1500 feet in length.

GEOLOGY AND ORE DEPOSITS

The rock in the mine area is limestone that has been recrystallized to marble by regional and contact metamorphism. The marble has been invaded by pegmatite dikes composed of feldspar, quartz, and muscovite. Near the borders of the dikes contact metamorphism has formed tactite zones composed of tremolite, actinolite, epidote, and garnet; the tactite zones rarely exceed two or three feet in width except where they extend out along fractures. In places the tactite has been almost completely altered to chlorite.

The largest concentrations of scheelite occur in the chloritized tactite but some scheelite is found in relatively unaltered tactite and a little is found in the pegmatite dikes. Although the best ore occurs in the chloritized tactite, the ore bodies are discontinuous, forming roughly tabular pods and lenses as much as 12 feet in longest dimension which may average 0.86 percent WO_3.

See Revised p. 6

SAMPLING

Because of the sporadic occurrences of tungsten found in the surface and underground openings, no attempt was made to systematically sample the deposit. For the purpose of determining the approximate grade of the ore exposed in the better mineralized sections, a series of four samples were taken. Their positions are shown on figure 3.

Details regarding them follows:

Sample No.	%, WO_3	Description
1674	0.25	Cut across 2.5 feet, face of stub drift off 30-foot inclined shaft.
1675	2.49	Chip across 15 inches in second dozer cut west of inclined shaft, 18 feet in from south end of cut.
1676	0.01	Cut across 2 feet north side pit, 500 feet west of inclined shaft.
1677	1.09	Cut across 6 feet in footwall of inclined shaft; 8 feet below surface; about a 6-inch thickness of chloritic material.

ORE RESERVES

In general, the better scheelite-bearing areas occur in small discontinuous pods at or near the surface. Workings on the High Ore No. 6 claim contain about 10 tons of measured and indicated ore averaging 0.88 percent WO_3; an additional 30 tons of ore of the same grade can be inferred. As the scheelite near the workings on the High Ore No. 7 claim occurs only as float, ore reserves on that section of the property could not be estimated.

PROPOSED EXPLORATION

The applicants propose to rebuild two miles of road from the present camp to where a shaft would be sunk; level off the surface for a combined compressor and hoist house 20 by 36 feet, a shop and a dry room, sink a 9 by 6 foot 2-compartment shaft to a depth of 100 feet, and to crosscut 225 feet from the bottom of the shaft in a southeasterly direction

to intercept dikes exposed in the open cuts on surface. Should the initial work meet with successful results, it may be necessary to drift and cross-cut a maximum of 1,000 feet.

The applicant estimates the proposed work would cost $40,000.00 and would require eight months to complete.

The applicants proposal to sink a 100-foot shaft and crosscut to the dikes appears premature in view of the surface showings. As only a small amount of work has been done on the surface, it would be advisable for the applicant to do additional trenching and bulldozing to determine if underground work is justified.

CONCLUSIONS

The scheelite-bearing areas are confined to small discontinuous pods at or near the surface. Practically all of the old underground workings encountered pegmatite at shallow depths. While a small tonnage of ore may be recovered it appears unlikely that the property would yield sufficient ore to justify a loan. It is therefore recommended that the application for a loan be denied.

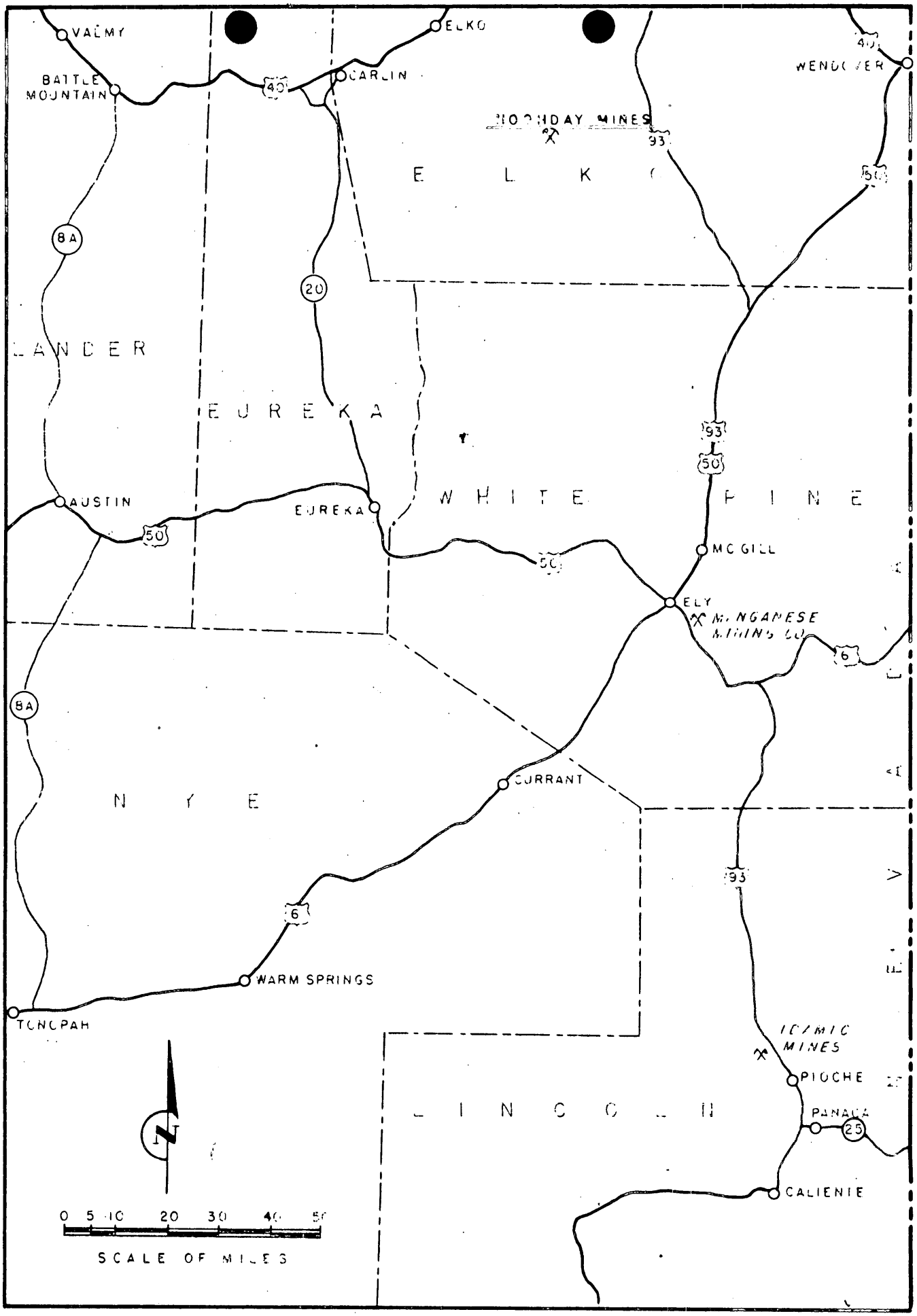
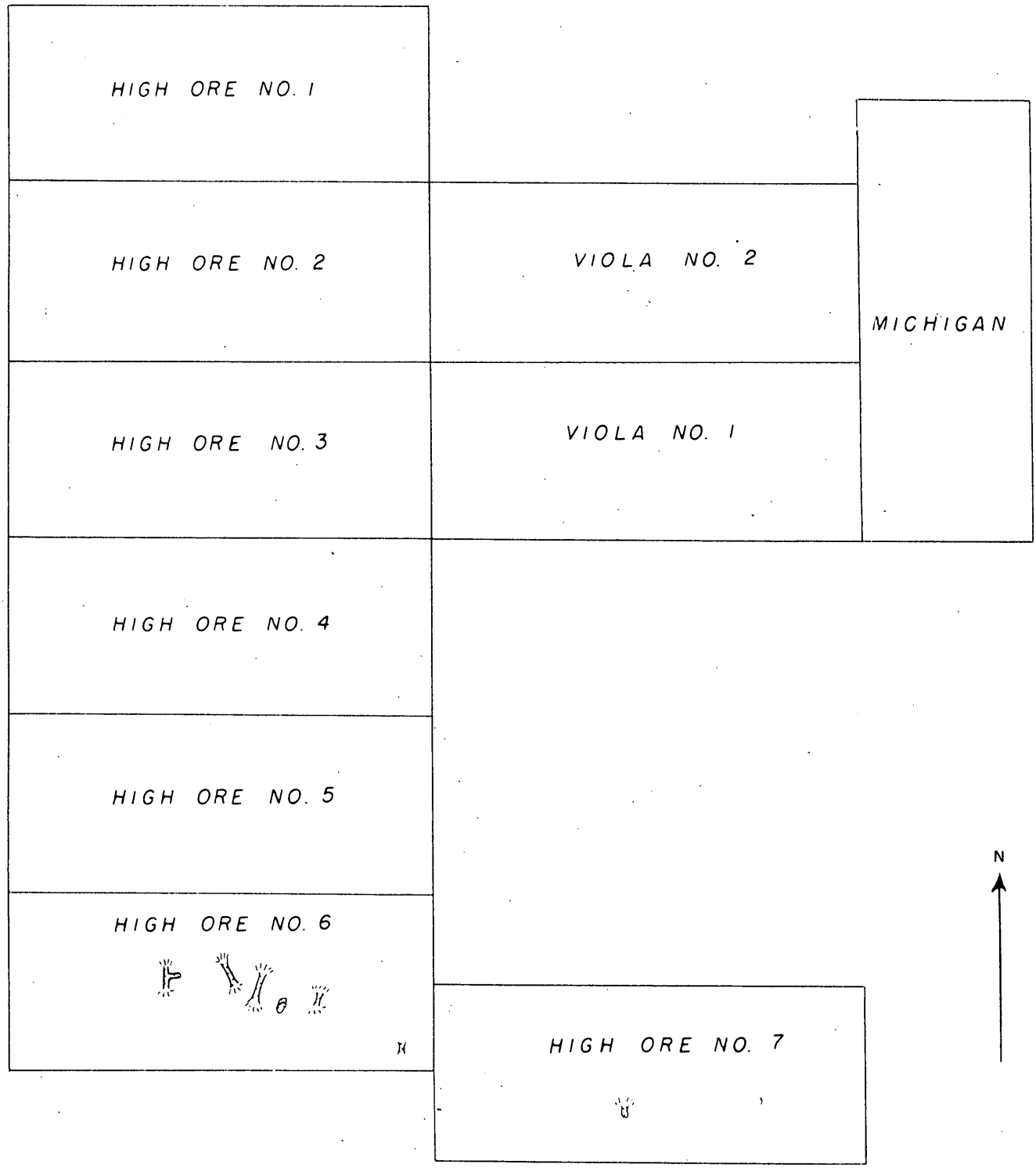


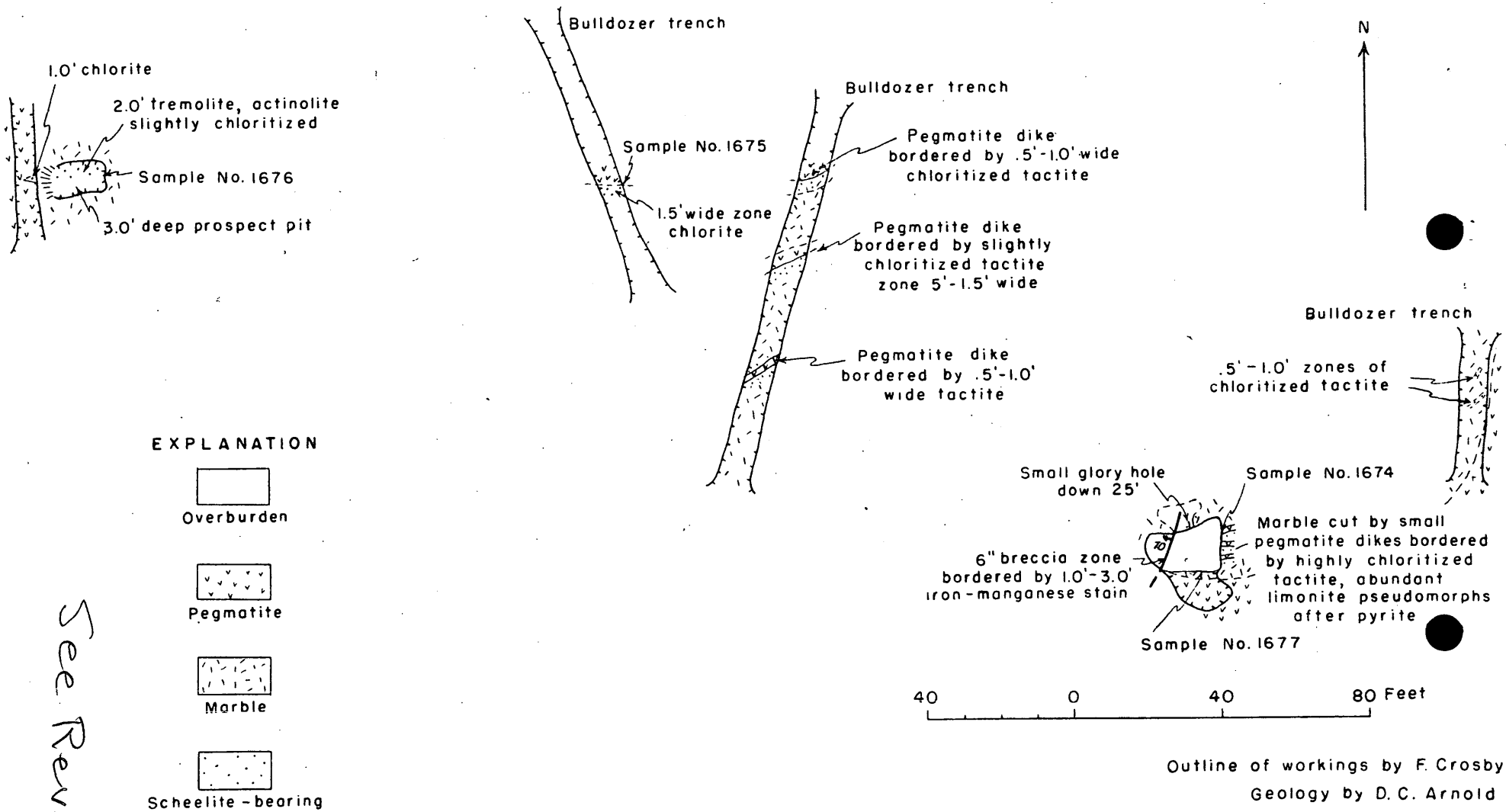
FIGURE 1 LOCATION MAP



CLAIM MAP SHOWING LOCATION OF WORKINGS
NOONDAY MINES LTD., ELKO COUNTY, NEVADA

300 0 300 600 Feet

FIGURE 2



Outline of workings by F. Crosby
Geology by D. C. Arnold

See Revised Fig. 3

SKETCH MAP OF WORKINGS ON HIGH ORE NO. 6 CLAIM
NOONDAY CLAIMS LTD., ELKO COUNTY, NEVADA

FIGURE 3

Docket

JUN 2 8 1954

RECEIVED
JUN 28 3 04 PM '54
GENERAL SERVICES ADMIN.
PUBLIC BLDGS SERVICE
BND OF ... OPERATIONS

WSM

230 WA SFF /I-BOM/

SAN FRANCISCO CALIF 6-28-54 1045A

GEORGE C SELFRIDGE, CHAIRMAN

OPERATING COMMITTEE, DEFENSE MINERALS EXPLORATION ADMINISTRATION, INTERIOR BLDG WA

SUBJECT. DOCKET NO. DMEA-3195 - TUNGSTEN, NOONDAY MINE, ELKO COUNTY, NEVADA

REFERENCE IS TO REPORT ON NOONDAY MINE SENT YOU WITH ME MOMORANDUM DATED JUNE 24. GEOLOGICAL SURVEY INFORMS ME IT IS REWRITTING PAGE 6 AND REVISING FIGURE 3 WHICH WILL STRENGTHEN DENIAL RECOMMENDATION. WILL AIRMAIL REVISIONS WHEN RECEIVED FROM SURVEY.

H C MILLER EXECUTIVE OFFICER DMEA FIELD TEAM, REGION

DMEA-3195 24 6 3

EW 1050A

400

FILE COPY
SURNAME:

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

Hopkins
Martin
Geehan
Selfridge
Johnson

NOV 6 1953

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

Re: Docket No. DMEA 3195 - Tungsten
Noonday Mines, Limited
Noonday mine
Elko County, Nevada

Dear Mr. Miller:

Reference is made to the subject application for exploration assistance, which is being referred to your office for review and a field examination.

A copy of a memorandum of October 26, 1953, by T. P. Thayer, U. S. Geological Survey, is enclosed for your information.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosure

APPROVED:

J. H. Hedges
Member, Bureau of Mines

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

JHopkins/ls 11/4/53

CC: DOCKET
FT, REG. 3
CODE 400
OPER. COMM.
T. P. THAYER, USGS
R. W. GEEHAN, USBM
ADM. READING FILE

R.C.G. 11-6-53

FILE COPY
SURNAME:

Hopkins
Martin
Geehan
Hedges
Gilbreath
Jenkins
Johnson

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

NOV 6 1953

Mr. John B. White, President-Treasurer
Noonday Mines, Limited
Post Office Box 71
Wells, Nevada

Re: Docket No. DMEA 3195 - Tungsten
Noonday Mines, Limited
Noonday mine
Elko County, Nevada

Dear Mr. White:

Your application for assistance in exploring a tungsten occurrence on mining claims of the Noonday Mines, Ltd., Elko County, Nevada, has been reviewed by the Iron and Ferro-Alloys Division, DMEA, and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for further consideration and a field examination of the property.

The regional office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

JHopkins/ls 11/4/53

cc: Docket
FT, Reg. 3
Code 400
Oper. Comm.
Adm. Read. File
R. W. Geehan, USBM
T. P. Thayer, USGS

R.C.J. 11-6-53

IN REPLY REFER TO:

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

October 26, 1953

Memorandum

WSM

To: W. S. Martin, DMEA

From: T. P. Thayer, USGS

Subject: DMEA 3195-Tungsten
Noonday Mines Limited
P. O. Box 71
Wells, Nevada

The applicant proposes to spend $40,000 to sink a shaft 100 feet and do a lot of drifting on scheelite bearing chloritic dikes in limestone and pegmatite. Some assays are given purporting to indicate ore up to 5.72 percent WO_3 in widths up to 3 feet or thereabouts.

The applicant's map shows open cuts or trenches, on the veins and dikes, but apparently does not show the work planned.

The Geological Survey has no information on a deposit at the location given, and the docket will have to be referred to the field for evaluation as to worthiness for a project and formulation of a program.

T. P. Thayer

T. P. Thayer

Copy retained 400

Mr. John B. White-President-Treasurer
Noonday Mines Limited
Post Office Box 71
Wells, Nevada

October 19, 1953

Subject: DMEA-3195
Re: Exploration Assistance
Noonday Mine

Dear Mr. White:

The receipt of your application dated October 10, 1953, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3195 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-3195 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

Robert E. Adams
Chief, Operations Control
and Statistics Division

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

October 19, 1953

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number DMEA-3195

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

DMEA - Noonday Mines Limited

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.

Defense Minerals Administration
RECEIVED
OCT 16 1953

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

October 14, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Loan Application Forms MF-103 - Tungsten
Noonday Mines Limited
P. O. Box 71, Wells, Nevada

Attached are three sets of MF-103 forms received in our mail from Mr. James B. White, President, Noonday Mines Limited, making application for a loan totalling $40,000.00. The fourth set has been retained for our records.

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

Attachment

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

Defense Minerals Administration
RECEIVED
OCT 16 1953

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

October 14, 1953

Memorandum

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

From: Executive Officer, DMEA Field Team, Region III

Subject: Loan Application Forms MF-103 - Tungsten
Noonday Mines Limited
P. O. Box 71, Wells, Nevada

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

Attachment

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 19 1953

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-3195
Metal or Mineral
Date Received 10-19-53
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: Noonday Mines Limited
P. O. Box 71
Wells, Nevada.
(Attached hereto are the answers to the questions asked numbered 1 to 7 inclusive)

(*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.

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

.....

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[x] Money [x] 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 October 10, 1953.

Noonday Mines Limited
(Applicant)

By John B. White, Treasurer

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

DEPARTMENT OF THE INTERIOR
Bureau Mines Administration
RECEIVED
OCT 16 1953

1. Name of applicant.-

(a.) Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

(b.) Noonday Mines Limited is a corporation organized under the Laws of the State of Nevada. Such corporation was organized on the 18th day of June, 1951, with head office Room 414 First National Bank, 15 East First Street, Reno, Nevada.

(c.) The officers of the corporation are:

John B. White, President-Treasurer,
Fred H. Crosby, Vice-President,
Nellie G. White, Secretary, address of the above named officers P. O. Box 71, Wells, Nevada.
William Smith, Vice-President, address P. O. Box 37, Wendover, Utah.

(d.) Not a partnership, but a corporation.

Address:
Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

3. Applicant's property rights.-

(a.) The legal description of the land upon which we wish to explore, including all land which we control that may be benefited by the exploration:

High Ore No. 1 recorded in Book 29 of Mining Locations, page 257, High Ore No. 2 recorded in Book 29 of Mining Locations, page 257, High Ore No. 3 recorded in Book 29 of Mining Locations, page 258, High Ore No. 4 recorded in Book 29 of Mining Locations, page 258, High Ore No. 5 recorded in Book 29 of Mining Locations, page 259, High Ore No. 6 recorded in Book 29 of Mining Locations, page 259, Voila No. 1 recorded in Book 29 of Mining Locations, page 256A, Voila No. 2 recorded in Book 29 of Mining Locations, page 256A and

High Ore No. 7 recorded in Book 31 of Mining Locations on page 78. The Location Notices are filed and recorded in the Office of the County Recorder of Elko County, State of Nevada.

All of the above mentioned unpatented mineral claims are located in Section 2; Township 30 North; Range 58 East in Elko County, State of Nevada.

(b.) The mine name by which the property is known is Noonday Mine.

(c.) We are the purchaser under contract of the High Ore No. 1; High Ore No. 2; High Ore No. 3; High Ore No. 4; High Ore No. 5; High Ore No. 6; Voila No. 1; Voila No. 2 and the owner of High Ore No. 7.

(d.) Attached hereto is a copy of the contract to purchase between W. H. Lambert, the Vendor and John B. White, the Vendee, dated May 24, 1951, extensions of Option to Purchase and an assignment of the Option to Purchase by John B. White to the applicant, Noonday Mines Limited.

(e.) There are no liens or encumbrances against the High Ore No. 7 unpatented mineral claim owned by the Noonday Mines Limited.

(f.) The book and page numbers of each recorded Location Notice are hereinbefore set forth.

<u>Address</u>
Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

OPTION TO PURCHASE

This Agreement made this 24th day of May, A.D. 1951:

Between: W. H. LAMBERT, of the City of Ely, State of Nevada, (Hereinafter called "the Vendor")
and
JOHN B. WHITE, of the City of Spokane, State of Washington, (Hereinafter called "the Vendee")

Whereas the Vendor is a member of a mining partnership of which the members are H. M. Bowring and himself, this having been established by Decrees of the District Court, County of Elko, State of Nevada; And Whereas the Court has Decreed that such partnership is the owner and possessor of said mining claims known and described as:

Galena No. 1 and Cerrusite No. 1 (referred to as lead claims) all located as unpatented mining claims near Battle Creek in Elko County, State of Nevada, and whereas the Vendor also holds title as an individual to the unpatented mining claims on Battle Creek in Elko County, Nevada, described as Viola No. 1, Viola No. 2 (having the camp buildings located thereon) and Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6 (referred to as tungsten claims), which claims are also known as Voila No. 1 & 2 and High Ore No. 1 to 6.

And Whereas the Vendor is desirous of disposing of said mineral claims and having the property operated and the Vendee is interested in operating and acquiring same.

WITNESSETH:

FIRST OPTION

1. That in pursuance of the premises and in consideration of the sum of Five Hundred Dollars ($500.00) now paid by the Vendee to the Vendor on the date hereof, the receipt whereof the Vendor hereby acknowledges, and subject to the provisions hereinafter contained, the Vendor hereby grants to the Vendee;

(a) The exclusive option to purchase and to acquire all the right, title and interest to the Vendor therein to the lead claims Galena No. 1 and Cerrusite No. 1, by payment of the further sum of Nine Thousand Five Hundred Dollars ($9,500.00).

(b) The right to go upon the property for a period of 90 days and do exploration work as he desires without damage to the property, and during such period ship no ore from the property.

The Vendor and the Vendee agree:

(c) To place in Escrow with the First National Bank of Nevada in Ely, Nevada, a Deed conveying all his right, title and interest in the claims known as Galena No. 1 and Cerrusite No. 1.

(d) Upon payment of the purchase price amounting to Nine Thousand Five Hundred Dollars ($9,500.00) the said bank shall deliver to the Vendee the Deed above referred to.

(e) The bank shall return to the Vendor said Deed if the balance of the said purchase price is not paid into the bank on or before ninety (90) days from date hereto. Deposit of Cashier's Check for the above amount being deemed sufficient payment if honored.

(f) That the Vendee shall have the right to occupy and use all the Vendor's buildings and it is understood upon the payment of the purchase price herein mentioned that all equipment located on the property shall become the property of the Vendee, it being understood that the Vendor is conveying and selling his partnership interest.

SECOND OPTION

2. IT IS AGREED:

(a) That the Vendor in consideration of the premises and subject to the provisions hereafter contained grants to the Vendee:

(b) The exclusive option to purchase the mining claims known as the Viola No. 1, Viola No. 2, Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6, upon payment of the further sum of Ten Thousand Dollars ($10,000.00) within a period of two and one half years. (11-24-53).

The Vendor and Vendee agree:

(c) The Vendee shall have the exclusive possession of the mining claims known as Viola No. 1 and Viola No. 2 for campsite purposes, but Vendee shall permit the Vendor to lease the Highgrade No. 1, Highgrade No. 2, Highgrade No. 3, Highgrade No. 4, Highgrade No. 5 and Highgrade No. 6 to PERRY STEDMAN or some other responsible party providing such lease provides that twenty five percent (25%) of the net smelter returns or amounts paid by a legitimate buyer of Tungsten Ore are applied in payment as a credit upon the purchase price of the Tungsten claims.

(d) That the Vendee shall pay to the Vendor ten percent (10%) of the net smelter returns from all ore shipped from the Galena No. 1 and Cerrusite No. 1, referred to as lead claims, and such net smelter returns it is understood, constituting the amount of the smelter check less charges, freight and transportation.

(e) Upon the receipt of Ten Thousand Dollars ($10,000.00) from royalties that the vendor agrees as aforestated, the bank shall deliver to the Vendee a Deed placed in Escrow, whereby the Vendor conveys to the Vendee all his right, title, interest in and to the said Tungsten claims together with all buildings, machinery, tools and equipment thereon.

IT IS UNDERSTOOD:

(f) Each payment as contemplated on account of the purchase price for the Tunsten claims shall be paid to the First National Bank of Ely, Nevada, for deposit to the credit of the Vendor, or the Vendor and the Vendee may in writing agree upon another bank as such depository.

(g) That balances of the purchase price remaining unpaid shall become due and payable two and one half (2½) years after date of this Option; otherwise this option to terminate and be deemed of no further force and effect.

(h) That the Vendee shall do the assessment work on the Tungsten claims if no leasee authorized to work by the Vendor is so engaged, but the Vendee may avoid doing assessment work on any one or more of the Tungsten claims by giving notice to the Vendor of his election to abandon such claims, and forwarding to the Vendor a quit claim deed conveying any interest it may have under the terms of this option.

COVENANTS
OF VENDOR 3. The Vendor covenants and agrees with the Vendee:

(a) That the Vendor has a good title to the Tungsten claims, and the right to enter into this agreement.

(b) That the property is clear of all encumbrances and that the Vendor has done nothing whereby it may be encumbered.

(c) That the Vendee shall have possession of the Tungsten mining claims.

(d) That upon the termination of the option the Vendee shall have ninety (90) days of seasonable weather within which to remove from the property all his machinery, equipment, tools and supplies, whether or not any of the same shall be affixed to the land, this to include as well any buildings, commonly known as portable.

(e) That if the Vendee extracts and disposes of any Tungsten Ore he shall account and pay to the Vendor royalty of twenty five percent (25%) of the net smelter returns to apply upon the purchase price.

(f) That the Vendee without the consent of the Vendor may assign this option.

COVENANTS
OF VENDEE 4. That the Vendee covenants and agrees with the Vendor;

(a) That he will indemnify the Vendor against and save the Vendor harmless from any and all claims for materials and wages or either of them arising from the operations of the Vendee on the property.

(b) That all operations, which the Vendee shall do will be done in a good and minerlike manner.

(c) That the Vendee will allow the Vendor or his agent authorized in writing in that behalf, at reasonable intervals and times, to inspect all assay returns and to inspect the property and mining operations.

(d) That in the event of the option not being exercised, all installments and royalty paid on the purchase price shall be retained by the Vendor.

Notice by Vendor 5. Any notice from the Vendor to the Vendee shall be in writing and shall be given by the following methods:

(a) By personal service on the Vendee.

(b) By prepaid registered letter addressed to the Vendee at P. O. Box 1732, Spokane, Washington.

Notice by Vendee 6. Any notice by the Vendee to the Vendor shall be in writing and given by one of the following methods:

(a) By personal service.

(b) By registered letter, postage prepaid, addressed to the Vendor, P. O. Box 637, Ely, Nevada.

7. In any case of notice by air mail registered letter, notice shall be deemed to have been served on the other party on the 10th day after mailing the letter, and after any service the party claimed in default shall have twenty (20) days to obviate any alleged breach of this contract.

8. The Vendee upon giving notice to the Vendor of his election to terminate this option, shall not be liable thereafter to pay any further sum or to exercise this option. It is understood that the Vendee is not liable for any assessment work to be performed prior to July 1, 1951.

9. Time shall be the essence of this agreement.

10. This agreement shall enure to the benefit of and be binding upon the heirs, executors, administrators, successors and assigns, respectively, of the parties hereto.

IN WITNESS WHEREOF the parties hereto have set their hand and seals this day and year above written.

W. H. LAMBERT
W. H. LAMBERT, Vendor

JOHN B. WHITE
JOHN B. WHITE, Vendee

I hereby sell, assign, set over and convey all my right title and interest in the foregoing option to purchase dated the 24th day of May, 1951, to Noonday Mines Limited, a Nevada Corporation.

JOHN B. WHITE
John B. White

STATE OF NEVADA,)
) SS.
COUNTY OF WHITE PINE)

On this 24th day of May, 1951, personally appeared before me, a Notary Public in and for said County and State, W. H. LAMBERT and JOHN B. WHITE, known to me to be the persons described in and who executed the foregoing instrument, who acknowledged to me that they executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Option to Purchase first above written.

NANCY MILLER
NOTARY PUBLIC

EXTENSION OF OPTION TO PURCHASE

This Agreement made this 20th day of July, 1953:
Between: W. H. Lambert of the City of Ely, State of Nevada, (hereinafter called the Vendor)

and

John B. White, of the City of Spokane, State of Washington, (Hereinafter called the Vendee)

Whereas the Vendor and the Vendee entered into an Option to Purchase certain mineral claims now comprising the Viola No. 1; Viola No. 2; High Ore No. 1; High Ore No. 2; High Ore No. 3; High Ore No. 4; High Ore No. 5 and High Ore No. 6 in the Ruby Mountain Mining District, County of Elko, State of Nevada on which a balance on the purchase price amounting to the sum of Nine Thousand Six Hundred Fifty Three Dollars Thirty Six Cents ($9,653.36) still remains unpaid and

Whereas the Vendor has agreed with the Vendee to extend the original Option to Purchase referred to above for an additional year,

WITNESSETH:

Now therefore in consideration of the premises and the sum of One Dollar ($1.00) in hand paid the Vendor extends the time of fullfillment of the Option to Purchase from the 24th day of November, 1953 until the 24th day of November, 1954, and it is understood all the terms and conditions of the Option to Purchase are to remain in full force and effect.

IN WITNESS WHEREOF the parties hereto have set their hands and seals this day and year above written.

W. H. LAMBERT
W. H. Lambert, Vendor

JOHN B. WHITE
John B. White, Vendee

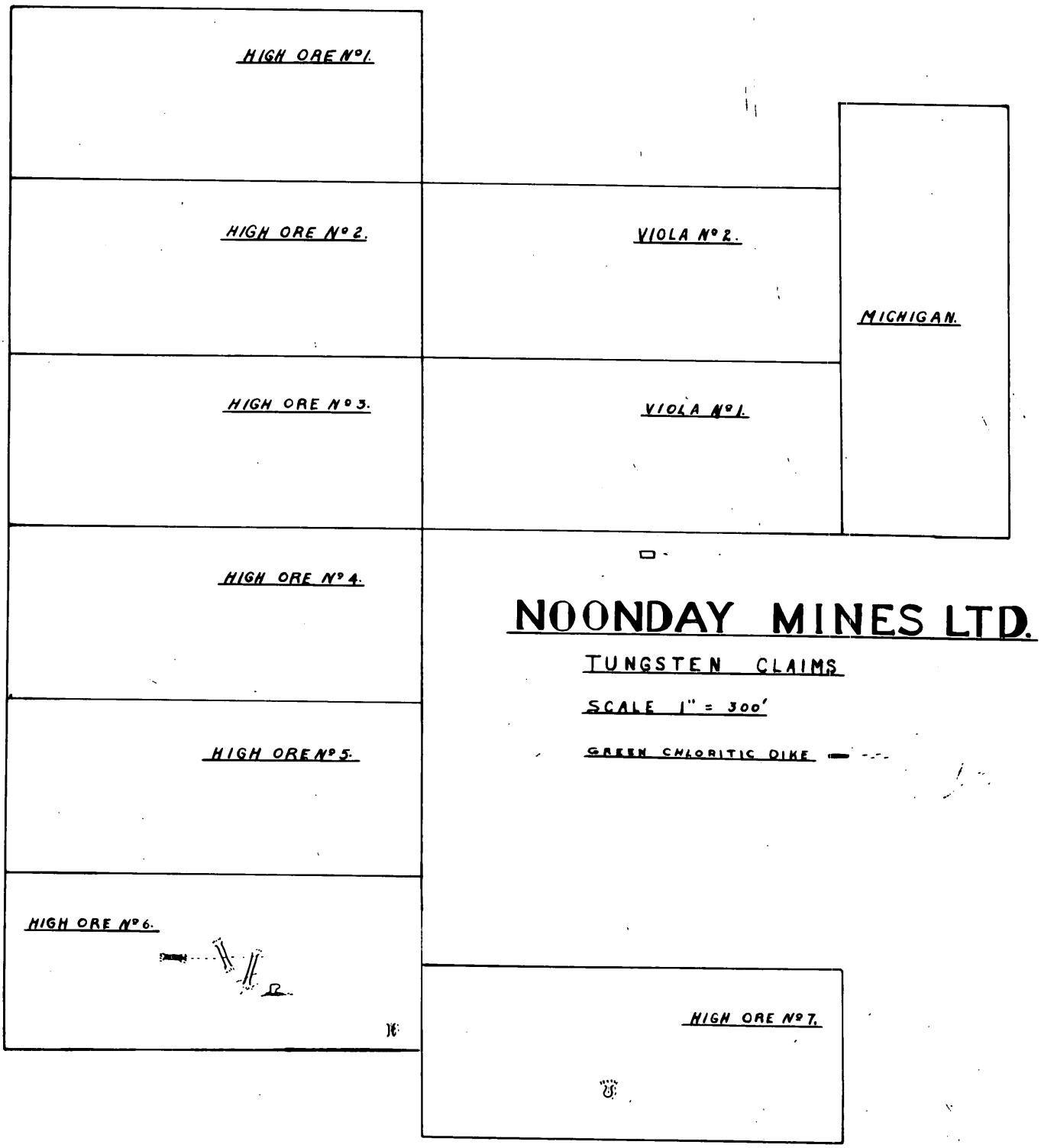
State of Nevada)
) ss.
County of White Pine)

On this 22nd day of July, 1953, personally appeared before me, a Notary Public in and for said County and State, W. H. LAMBERT, known to me to be the person described in and who executed the foregoing instrument, who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in this Extension of Option to Purchase first above written.

HORACE B. BATH
Notary Public

Horace B. Bath, Notary Public
My Commission expires July 18, 1957.


HIGH ORE Nº 1.
HIGH ORE Nº 2.
VIOLA Nº 2.
MICHIGAN.
HIGH ORE Nº 3.
VIOLA Nº 1.
HIGH ORE Nº 4.
NOONDAY MINES LTD.
TUNGSTEN CLAIMS
SCALE 1" = 300'
GREEN CHLORITIC DIKE
HIGH ORE Nº 5.
HIGH ORE Nº 6.
HIGH ORE Nº 7.

4. Physical description.-

(a.) The country rock for the most part is Pegmatite, with a belt or roof pennant of Lime running East and West, with undetermined widths and lengths.

Green Chloritic Dikes intrude the Lime having in general andEast West strike and dipping to the North about 65 degrees. Scheelite is well decimated through the Dikes of which open cuts have exposed what appear to be 4 Dikes presenting a picture as shown on the map.

Your applicant is directly interested in accomplishing a satisfactory result from any work done, for the reason it owns 1 unpatented claim and is acquiring by purchase 8 unpatented claims.

The property is easily accessible by 2½ miles of road from the county highway, and to reach your applicant's camp on Battle Creek from Wells, Nevada, travel South from there on Highway No. 93 29 miles and then turn South Westerly at the junction of No. 93 with the Ruby Valley Road and follow this road for 26 miles to your applicant's property.

(b.) There are no ore reserves.

(c.) The country rock is Pegmatite and Chlorite Dikes intrude the Lime. Channel samples were taken where the Dikes were exposed in the cuts, giving an average width of width of 2 to 5 feet and an average of 2.31 WO3.

Our reasons for wishing to explore are, that we believe a large body of tungsten ore can be developed, which will justify the mining of the ore and the installation of a mill for raising the grade.

Maps are attached hereto.

Your applicant has no engineering report.

(d.) Under (a.) above the accessibility of the project was set forth. Applicant's camp is located on the mill site in close proximity to the Tungsten mineral claims.

The distance from Wells, Nevada, the supply and shipping point is 55 miles and is accessible by good road 48 miles of which is paved and the other 7 miles a good graveled county road.

(e.) Labor, materials, supplies, equipment, water and power are all available, and it may be stated such is no deterrant factor.

Address:
Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

5.- The exploration project.-

(a.) The mineral for which we wish to explore is Tungsten (Scheelite) WO_3.

(b.) Two miles of road will have to be rebuilt, from the present camp to where a shaft should be sunk.

The surface will have to be leveled off for a combined compressor and hoist house 20' x 36', a shop and a dry room.

A shaft 9' x 6', 2 compartment should be sunk 100 feet.

A 225foot cross-cut from the bottom of the shaft driven in a South Easterly direction should intercept the 4 dikes exposed in the open cuts on surface. Drifts and cross-cuts as shown with broken lines on attached map, outline the proposed underground program.

It may be necessary to drift and cross-cut 1,000 feet to check all the surface showings, if the initial work meets with successful results.

(c.) The work can be started within 30 days, the weather permitting, and be completed within 8 months from the date of an exploration project contract being approved.

(d.) Regarding the operating experience of the applicant with relation to the ability to carry out such exploration project, this applicant has opened up a lead, zinc deposit during the 2 years last past, on mineral claims to the North of the claims on which this Tungsten deposit is located. This work has required the expenditure of a large amount of capital. Fred H. Crosby has had charge of this work. He has had some 15 years of experience in carrying on mining operations and will have charge of the program proposed in connection with this exploration project.

Address:
Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

6.- Estimate of costs.-

(a.) Independent Contracts.- None

(b.) Labor, supervision, consultants.-

2 Miners at $15.00 per day for period of 240 days	$ 7,200.00
4 Muckers " $14.00 " " " " " " "	13,440.00
1 Supervisor at $500.00 per month " "	4,000.00
1 Geological Consultant	500.00

(c.) Operating materials and supplies.-

9,600 gallons Diesel at 20¢ per gal.	1,968.00
1,500 " Gasoline at 30¢ "	450.00
100 " Oil at 77¢ "	77.00
100 lbs. Grease at 65¢ per lb.	65.00
20 M Feet of Timber at $80.00 per M	1,600.00
10 Tons Rail at $100.00 per ton	1,000.00
250 Cases Powder at $10.85 ea.	2,700.00
1,000 Bits	200.00
600 Ties	160.00
1,500 feet air pipe at 50¢ per foot	750.00
500 " " " " $1 " "	500.00
1,500 " water line	300.00
3 Kegs Spikes	39.00
2,500 feet Electrical Wire-Globes etc.	250.00

(d.) Operating Equipment.-

1 Compressor Ingersoll-Rand 400 cu. ft. powered with 105 H.P. G.M. Diesel value	$ 8,000.00	
1 Eimco B 12 Car Loader	3,300.00	
7 Ore Cars	1,050.00	
1 Electric Welder	250.00	
1 Fuel Tank	400.00	
Machine Drills, Tools etc.	1,750.00	
1 Generator Set 3 KW	250.00	
1 " " 60 KW	7,300.00	
400 feet 7/8" Cable	200.00	
1 Hoist powered with 52H.P. Motor . .	2,500.00	
Use allowance monthly on basis 1/60th.	$25,000.00	x 1/60 = 333.33

(e.) Rehabilitation and repairs.- None

(f.) New buildings, improvements, installation.-

1 Building to be erected as compressor and hoist structure and moving equipment into same	1,000.00

(g.) Miscellaneous.-

Industrial Insurance	1,724.00
F.I.C.A. Tax	665.00
Unemployment	492.00
Accounting	400.00

(h.) Contingencies.- Repairs, freight, Caterpillar work 520.00

$40,000.00

+3333.33 wsy

Address

Noonday Mines Limited
P.O. Box 71
Wells, Nevada.

40,000.00
3,333.33

7. (a.) The Applicant is prepared to furnish our share 25 per cent, ten thousand dollars ($10,000.00) of the proposed project forty thousand dollars ($40,000.00) in accordance with the regulations on Government participation (Sec. 7 DMEA No. 1).

(b.) On a basis of money and an allowance of $400.00 per month for the use of our equipment.

4160.67

Address
Noonday Mines Limited
P. O. Box 71
Wells, Nevada.

Mr. Geo. C. Selfridge

~~Mr. Mellon~~

Room 46 24

Interior

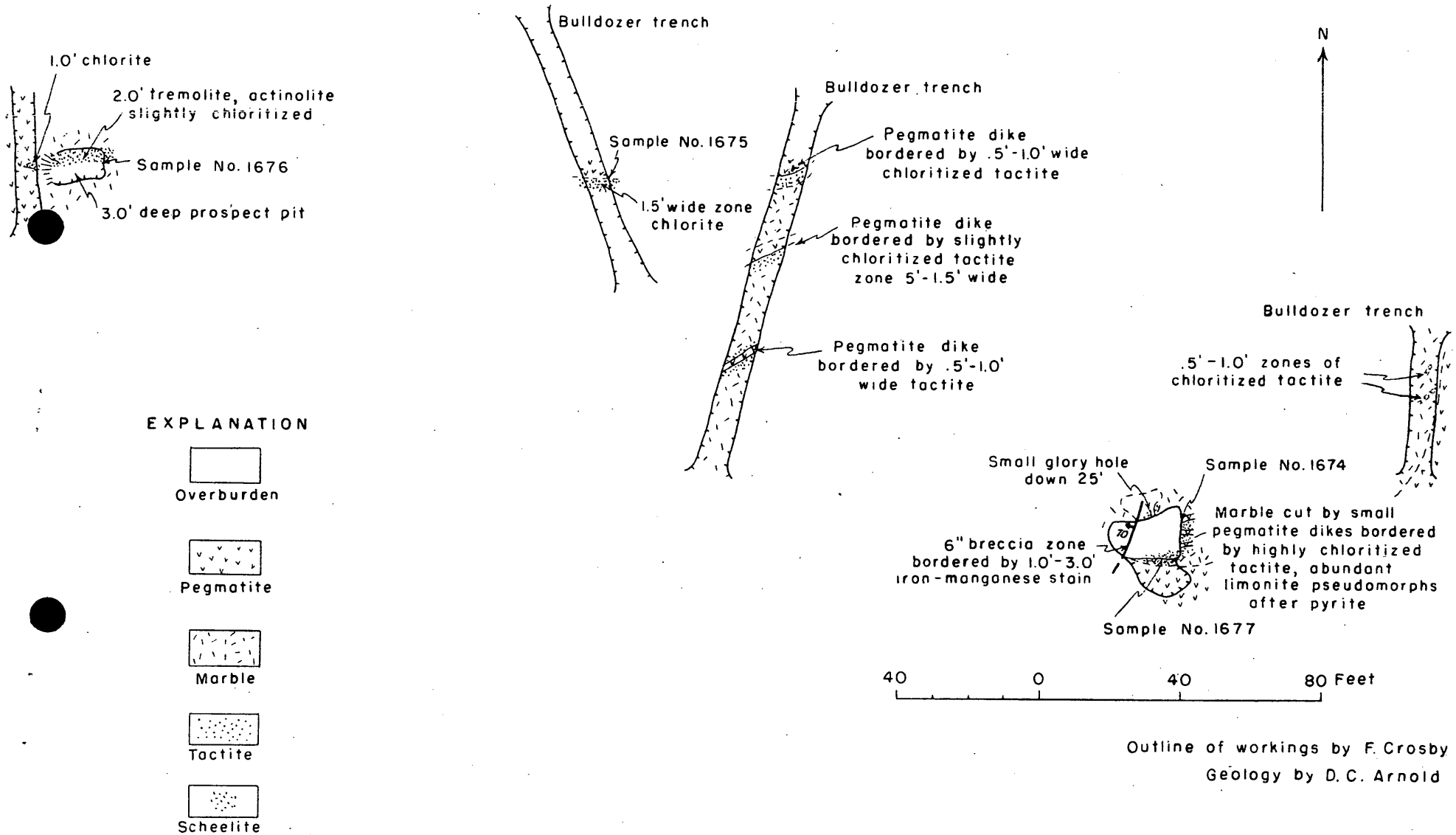
[illegible] 1 NRFI

Amber
3195

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

OFFICIAL BUSINESS

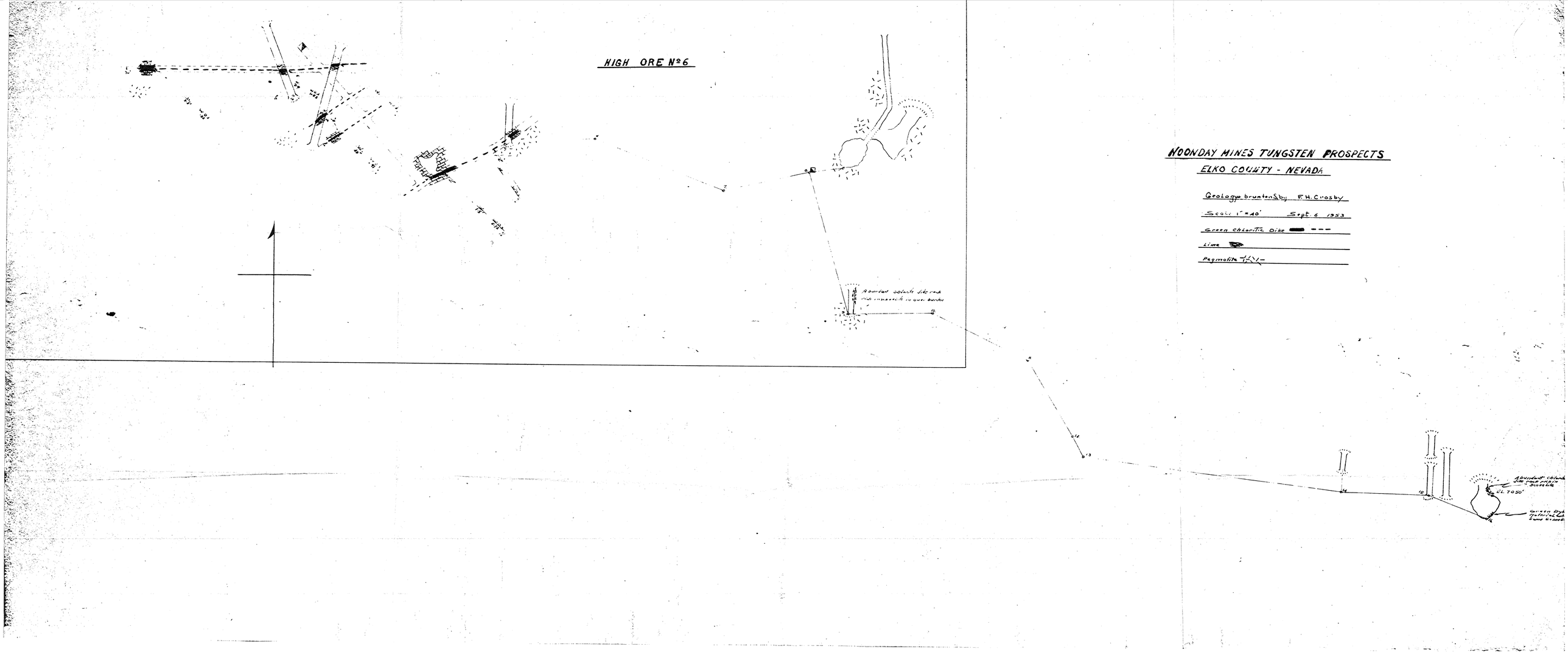
PENALTY FOR PRIVATE USE TO AVOID
PAYMENT OF POSTAGE, $300
(PMGC)

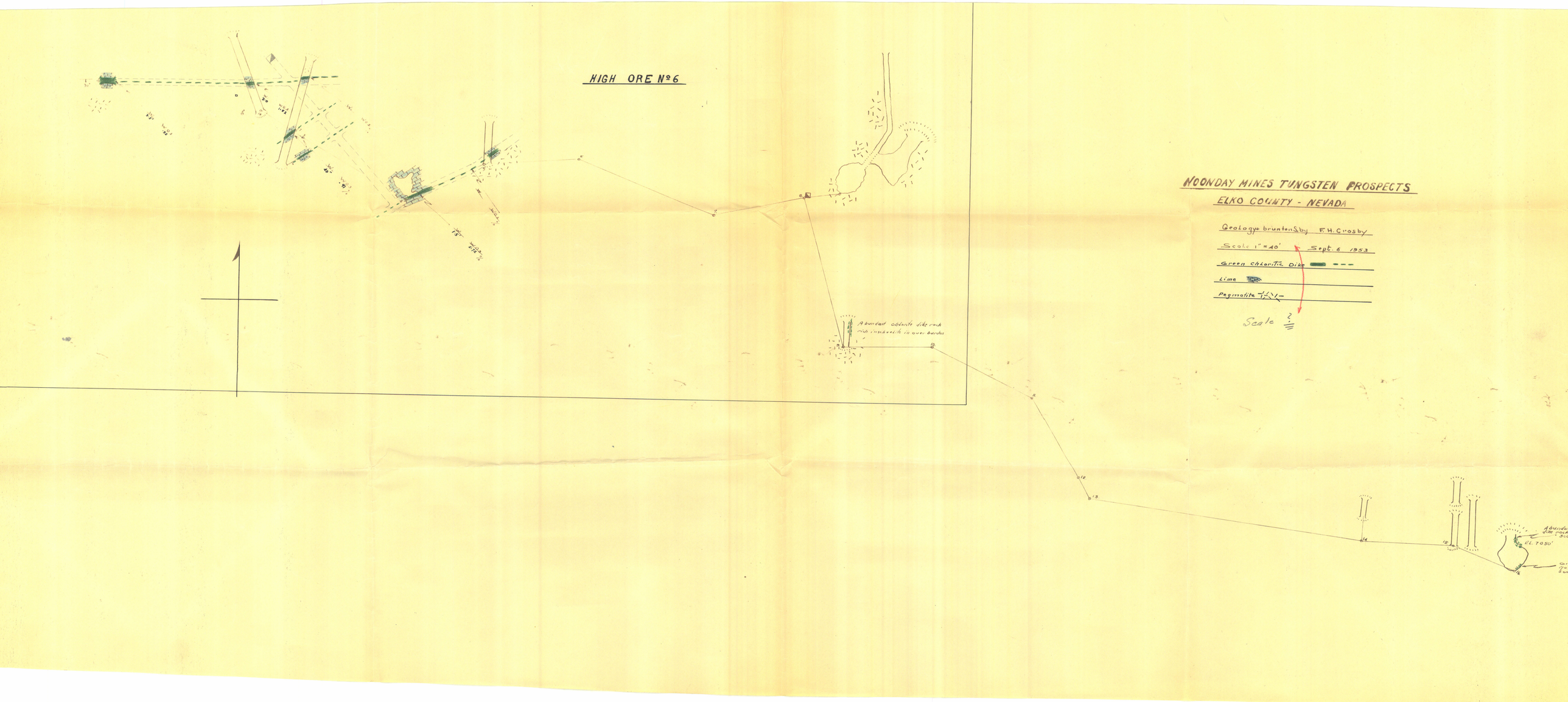


Outline of workings by F. Crosby
Geology by D. C. Arnold

SKETCH MAP OF WORKINGS ON HIGH ORE NO. 6 CLAIM
NOONDAY CLAIMS LTD., ELKO COUNTY, NEVADA

FIGURE 3


HIGH ORE No 6
NOONDAY MINES TUNGSTEN PROSPECTS
ELKO COUNTY - NEVADA
Geology brunton & by F.H. Crosby
Scale 1" = 40'
Sept. 6 1953
Green Chlorite Dike
Lime
Pegmatite
EL 7050'


HIGH ORE Nº 6
NOONDAY MINES TUNGSTEN PROSPECTS
ELKO COUNTY - NEVADA
Geologye bruntonS by F.H. Crosby
Scale 1" = 40'
Sept. 6 1953
Green Chloritic Dike
Lime
Pegmatite
Scale
A bundant chloritic dike rock with cinnabrite in over burden
EL 7050'