DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO._____ DMEA NO. 5012

Application
- [x] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [ ] Contract Amendments
- [ ] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington

May 6, 1958

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

Re: New Application (Tungsten-Uranium)
Blue Star Mining & Survey Corp.
Brooks-Ashley Leases
Stevens County, Washington

Dear Mr. Selfridge:

Enclosed are the original and two copies of an application for DMEA aid to explore for tungsten and uranium in Stevens County, Washington.

The application is vague as to justification and program. Apparently the applicant has taken at least five samples, assays of which range from 0.015 to 0.810 percent U_3O_8 and one sample which assayed 28.4 percent WO_3. He proposes to drill 11 diamond drill holes totaling 6,600 feet from 5 drill stations at a total estimated cost of $24,500 or approximately $3.70 per foot.

Accompanying the application are three leases, only one of which is to the applicant corporation. The other two leases apparently have not been assigned to the applicant.

We will schedule an examination as soon as possible at which time we will request lease assignments and consents to lien, and will prepare a map showing the location of the proposed holes. However, we will give this a low priority.

Sincerely yours,

A. E. Weissenborn

A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I

Enclosures

cc: USBM (2)
Albee

Form MF-103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42-R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

BLUE STAR MINING & SURVEY CORPORATION
P.O. BOX 131
COLVILLE, WASHINGTON

Ph: MUtual 4-6120
MUtual 4-4281

RECEIVED
MAY 5 1958
U. S. G. S.

APPLICANT NOT TO USE THIS BLOCK

Docket Number	DMEA-5012
Date Received	5-9-58
Government Participation %	
Region	I
Division Code	400

BUSINESS ORGANIZATION (Check one)

- Individual [ ]
- Corporation [X]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title
Stanley V. Haye, Sr.	P.O. Box 375-Colville, Wn.	President
Samuel M. Gardner	-Loon Lake, Washington	Vice-President
Rita F. Gardner	- " " "	Treasurer
Aletha M. Hutkol	-1917 Everest Ave.-Richland, Washington	Secretary

Mineral(s) for which you wish to explore: Tungsten & Uranium

Estimated Cost of Project: $ 24,500.00

LOCATION OF PROPERTY

Name	County	State
SCHEDULE A	Stevens	Washington

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order-I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

May 1, 1958
Dated

Stanley V. Haye Sr
BY *(Signature)*
Stanley V. Haye, Sr.; President
President
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. (*Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

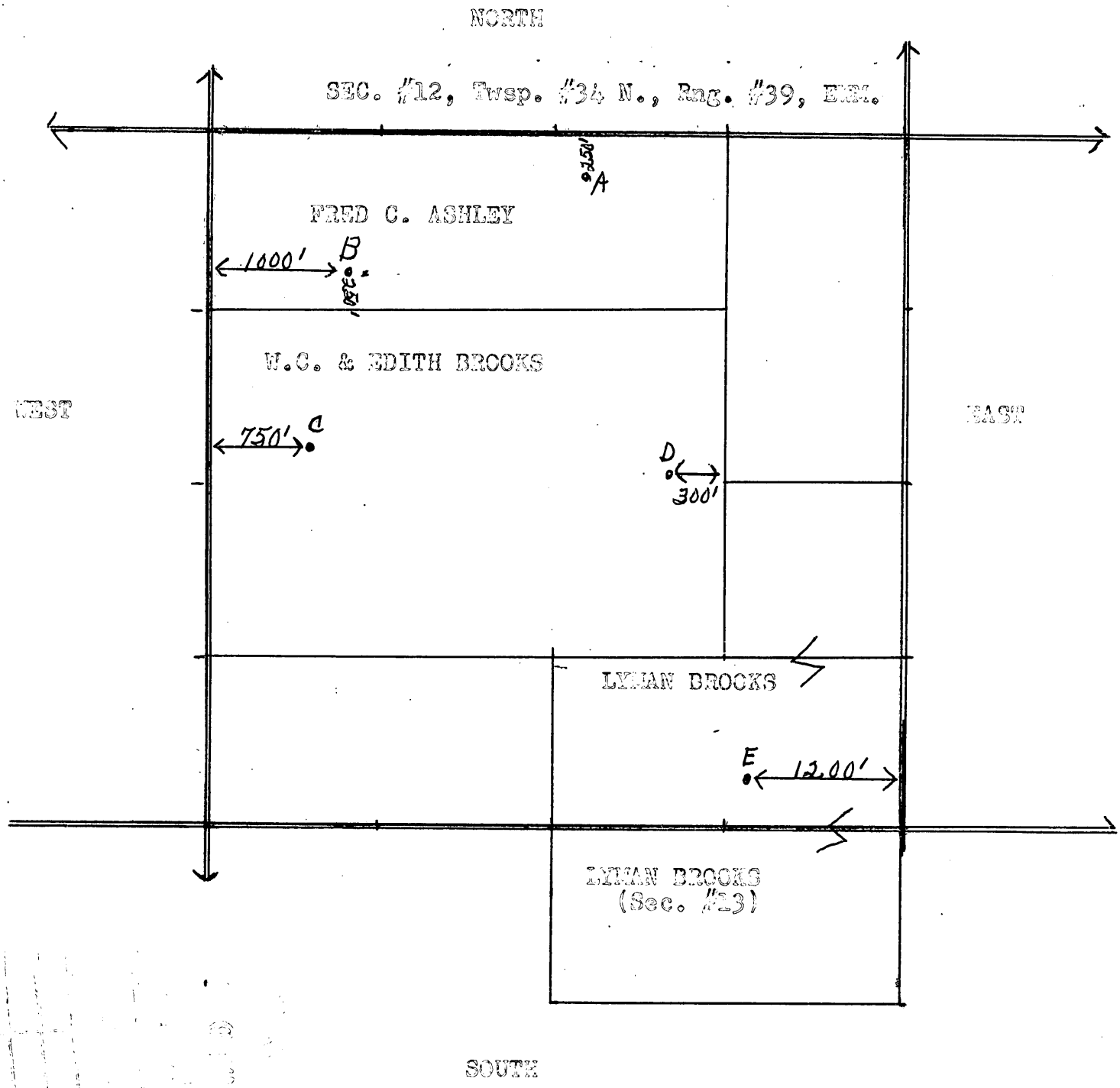
(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you proposed to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *


NORTH
SEC. #12, Twsp. #34 N., Rng. #39, E.W.L.
A
FRED C. ASHLEY
1000'
B
W.C. & EDITH BROOKS
WEST
EAST
750'
C
D
300'
LYMAN BROOKS
E
1200'
LYMAN BROOKS
(Sec. #13)
SOUTH

SCHEDULE A

BLUE STAR MINING & SURVEY CORPORATION

DETAILS RELATIVE TO FORM M-102

MAY 1, 1958

1. APPLICANT'S PROPERTY RIGHTS:

(a) W.C. Brooks lease & legal description:

N½ of SE¼ and S½ of NE¼; also SE¼ of NW¼ and NE¼ of SW¼ of Sec. #12, Twsp. #34 N., Rng. #39, EWM.

LYMAN BROOKS lease & legal description:

S½ of SE¼ of Sec. #12, Twsp. #34 N., Rng. #39, EWM.

FRED C. ASHLEY lease & legal description:

N½ of NW¼ and NW¼ of NE¼ of Sec. #12, Twsp. #34 N., Rng. #39 EWM.

No unpatented claims exist upon said property.

(b) The property is known under the names of the common law title holders as shown in 1(a) above.

(c) The interests are shown in the photostatic copies of leases enclosed as a Lessee.

(d) No lien liens, mortgages or other encumbrances exist against the mining rights of said property.

2.

(a) Maps are enclosed herewith. Only preliminary wagon drilling has thus far been done. Principal spots of interests are shown on the map in Schedule A. Mine operations are contemplated to the extent of the offering circular which is pending certification of the Securities & Exchange Commission as of this date.

(b) The corporation's interest is 100% of all leases heretofore mentioned the photostats of which are enclosed.

(c) No production has existed. Only exploratory work has been done to date.

(d) No ore reserves are known in the present stage.

(e) Only as sketched on map (Exhibit or Schedule A) is description of the geologic features. The test holes and the assays, photostats of which are enclosed, are the main determining factors of the ore known to be existing.

(f) Because of assays, the same of which is furnished. On the two locations of W.C. Brooks & the one of Lyman Brooks an outcrop of Autunite & Uranophane is found from which samples have been taken. A large body of Aplolite, which from testing shows .05% to .12%, borders the Autunite outcrops.

(g) Two are furnished of the original. No rather is necessary; i.e. your office may retain all material contained herein.

3. ACCESSIBILITY OF PROJECT:
(a) The property lies approximately 3 miles east of Arden, Washington. All property is accessible by road.

(b) Not applicable.

4. THE EXPLORATION PROJECT:
(a) This exploration project consists solely of diamond drilling, 11 holes under planning in five(5) locations, with a total footage of 6600 ft. (Sixty-six hundred)

(b) None are contemplated at present. One adjoining may be built in the future depending upon the results of this program.

(c) The work shall start within two weeks after date of approval & five months shall be required to complete it. The anticipated daily average is 60 ft. per day.

5. EXPERIENCE:
Two & one-half years of wagon-drilling & exploration upon the described property.

6. ESTIMATE OF COSTS:
(a) No independent sub-contracts are contemplated. The work shall be done by the corporation.

(b) 1 Core driller @ $2.05 per hr., helper @ $2.60 per hr. and one hauling water @ $2.40 per hr. These are available. Part time geologists are likewise necessary.

(c) All work will be done on a footage basis.

(d)

Operating Equipment	Fair Market Value
1 Ford Truck	$ 600.00
1 Carry-all	800.00
1 Core drill	2000.00
1 Hoist	800.00
Total	$4200.00

The above equipment is owned by the applicant.

(e) Not applicable.

(f) Not applicable.

(g) None contemplated.

7.(a) Yes. We are prepared to furnish our share.

(b) By providing money & use of equipment owned by the corporation.

BLUE STAR MINING & SURVEY CORPORATION

May 2, 1956

By: Grandison G. Noah
Grandison G. Noah: LPA/99X

W.C. & Edith Brook

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON PHONE TE. 8-2918

Date: May 17, 1957

Lab. No. A 1031

Report to: Blue Star Mining & Surveying Co.

Report on: Sample submitted

Sample identification: No. C.B 7

Tests performed and results:

Tungsten, WO_3 = 28.40 %

WASHINGTON TESTING LABORATORIES, INC.

Arthur M. Dryden

Arthur M. Dryden, Chemist

W.C. & Edith Brooks

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON PHONE TE. 8-2918

Date: March 5, 1957

Lab. No. A 870

Report to: Blue Star Mining & Surveying

Report on: Samples submitted

Sample identification: No. 1, 2, 3

Tests performed and results:

	Silver Ounces	Silver 10ths	Gold Ounces	Gold 100ths	Uranium, U_3O_8 %	Molybdenum %
No. 1	-	1	-0-			
2,					.261	
3,						.08

WASHINGTON TESTING LABORATORIES, INC.

Arthur M. Dryden

Arthur M. Dryden, Chemist

Lyman Brooks

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON PHONE TE. 8-2918

Date: January 7, 1957

Lab. No. A 774

Report to: Blue Star Mining & Surveying Co.
208 Collins Bldg.
Colville, Wash.

Report on: Sample submitted

Sample identification: L. B. 7

Tests performed and results:

Percent Uranium (U_3O_8) .185 %

WASHINGTON TESTING LABORATORIES, INC.

Arthur M. Dryden (By LLO)

Arthur M. Dryden, Chemist

Lyman Brooks

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON PHONE TE. 8-2918

Date: November 5, 1956

Lab. No. A 666

Report to: Blue Star Mining & Surveying

Report on: Sample submitted

Sample identification: as below

Tests performed and results:

Sample L B -3 = .180 % U_3O_8

WASHINGTON TESTING LABORATORIES, INC.

Arthur M. Dryden

Arthur M. Dryden, Chemist

W.C. & Edith Brooks

Washington Testing Laboratories, Inc.

N. 118 BROWNE SPOKANE 1, WASHINGTON PHONE TE. 8-2918

Date: October 15, 1956

Lab. No. A 584

Report to: Blue Star Mining & Surveying Co.

Report on: Samples submitted

Sample identification: as below

Tests performed and results:

	U_3O_8 Percent
No.1, C1I	.810
2, UB2	.052

WASHINGTON TESTING LABORATORIES, INC.

Arthur M. Dryden

Arthur M. Dryden, Chemist

Lyman Brooks

July 6, 1956

Lab. No. A 201

Report to: Blue Star Mining & Surveying Co.

Report on: Sample submitted

Tests Results

	U_3O_8	=	.015 %
Check sample	U_3O_8	=	.218 %

WASHINGTON TESTING LABORATORIES, INC.

Arthur N. Dryden, Chemist

#0039

MINING LEASE

THIS AGREEMENT, made and entered into by and between FRED C. ASHLEY and RUBY J. ASHLEY, husband and wife, of Colville, Stevens County, Washington, hereinafter called the lessors, and BLUE STAR MINING AND SURVEY CORPORATION, a Washington Corporation, hereinafter called the Lessee, WITNESSETH:

WHEREAS, Lessors are the owners and in possession of certain property hereinafter more particularly mentioned and described, and

WHEREAS, the proper development of such property, both present and in expectancy and the proper reduction and treatment thereof will necessitate the outlay of large sums of money, and

WHEREAS, Lessee is able and willing to furnish the money for such development work, but only under and in accordance with the terms and conditions hereinafter set forth,

NOW, THEREFORE, FOR AND IN CONSIDERATION OF THE MUTUAL COVENANTS of the parties by each to the other made and herein contained, the parties hereto agree as follows:

1. Lessors have leased, let and demised, and by these presents do lease, let and demise unto the Lessor, the following described premises, situate, lying and being in the County of Stevens, and State of Washington, to-wit:

Northeast Quarter of the Southeast Quarter (NE¼ SE¼) of Section Nine (9); Northwest Quarter of the Southwest Quarter (NW¼ SW¼) and that part of the North Half (N½) of Section Ten (10) lying east of County Road formerly U. S. Highway No. 395; Northwest Quarter (NW¼); West Half of the Southwest Quarter (W½ SW¼) Northeast Quarter of Northeast Quarter (NE¼ NE¼) of Section Eleven (11); North Half of the Northwest Quarter (N½ NW¼) and Northwest Quarter of Northeast Quarter (NW¼ NE¼) of Section Twelve (12); North Half of the Northwest Quarter (N½ NW¼) of Section Fourteen (14); ALL in Township Thirty-four (34) North, Range Thirty-nine (39), E. W. M.,

RESERVING AND EXCEPTING THEREFROM TO THE LESSORS all cultivated land,

to have and to hold the same for the purpose of mining, with no power to assign this lease or any interest thereunder, or sublet the whole or any part of the premises, for the term of one year from the date hereof., to-wit: from September 1, 1955 to September 1, 1956.

2. At any time during the period of said lease, lessee shall have the right to enter into and take exclusive possession of all and singular said above described property and may prospect and explore, test, develop and work at its own discretion and at its own proper charge and expense said property, provided all work done and all improvements made by lessee on said property, or any part thereof, under the terms hereof during the period of said lease, shall be done in a minerlike and proper manner to enable said premises and all thereof to be carefully operated, and so that the minerals therein contained may be extracted in an economical and minerlike manner. All equipment, tools, machinery, structures and personal property of every nature and description brought or placed upon said premises for use in said work shall not become a fixture but shall remain the property of lessee and lessee shall be entitled to removal all of said equipment, tools, machinery, structures and personal property from said premises within thirty days from the expiration of said lease.

LEASE - ASHLEY/Blue Star

3. In the event the lessee shall, during the period of this lease, undertake and carry out investigatinn and exploration work to the cost of at least One Thousand Dollars ($1,000.00) or in the event the lessee shall, during the period of this lease, develop a producing mine, that is to say, a mine from which, under the terms of this lease, the lessors shall receive the sum of Two Hundred Dollars ($200.00) during the period of this lease, the lessee shall have the option to renew this said lease for one year periods thereafter, under the same terms and conditions set forth in this lease.

4. In the event the lessee shall have performed the investigation and exploration work or developed a producing mine as heretofore provided in Section 3 and shall elect to exercise said above mentioned option and renew the said lease for a one year period, it shall so notify the lessors, in writing, on or before the expiration date of this lease. In the event the said renewal is based upon investigation and exploration work performed, the said notice shall contain an itemized list of the said work, which said itemized list the said lessors shall be entitled to check, and if necessary, receive proof as to its accuracy before renewing this said lease.

5. In the event lessee shall elect not to exercise said option, it shall peacably surrender and turn over said properties to lessors in as good condition as they now are in, reasonable wear and tear excepted, and free and clear of any and all liens and incumbrances incurred by lessee in its operations on and about the same. In the event that lessee shall not elect to exercise said above mentioned option, lessee agrees to deliver to lessors free and clear of expenses, copies of all data, plans, analysis, photographs and other determinations and reports that lessee shall have made or caused to be made or otherwise obtained in and about said premises during its possession of the same under said option.

6. In the event of renewal of this lease as hereinabove provided and as a condition precedent to each and every subsequent renewal of said lease, the lessee shall commence work on the premises, and thereafter work them continuously, in a thorough and workmanline manner, keep accurate accounts, and render monthly statements, accompanied by vouchers, to the lessors, their agent, or attorney, showing the amount of all ore taken from the premises and the yield thereof, and also the cost of handling and milling same, not reimbursed or reimbursable by the United States Government, any Department or Agency thereof or by any third party, and pay ten per cent (10%) of the gross yield, less the non-reimbursable hauling and milling to lessors, their agent, or attorney, as rental for the premises. In the event ore from the said premises is not sold to the United States Government or any Department or Agency thereof, the lessors shall be paid a sum equal to 10% of the net smelter returns on all ore or concentrates shipped from the above described property. For the purpose of this agreement, net smelter returns is defined as a total amount receivable from the said ore or concentrates, less cost of shipment and smelting or reduction. All royalties as heretofore provided shall be paid by the smelter, purchaser or consignee of the ores or concentrate directly to the lessors. The smelter or purchaser of the ores or concentrates shall send to the lessors a statement sheet showing the gross amount received or receivable from the said ores or concentrates, less the cost of shipment and smelting or reduction.

7. The lessee, during its possession of the said property, agrees to protect said property and all thereof against all claims of labor and material men and promptly pay all contributions and taxes due to the County of Stevens, the Department of Labor and Industries of the State of Washington, and all other agencies and departments of the State of Washington and the United States of America, caused or arising out of the operation or development of the said premises, or caused or arising out of constructing or making any improvements upon the said demised premises, or the repair and maintenance of the same, and shall, upon request, give proof to the Lessors of the payment of same.

LEASE - ASHLEY/BLUE STAR

8. Lessee, durings its possession of the property, further covenants and agrees to protect the said property and all thereof and the lessors against all liens and liabilities arising out of the acts of the lessee on said property and to permit the lessors to place and maintain such notices thereon as shall be lawfully necessary to protect lessors against such claims, and the lessee further agrees and covenants to hold harmless the lessors against any and all claims for damages or injuries incurred by workmen in its employ at said property or any other person or persons.

9. The lessee furthermore covenants and agrees that the lessors, their agents or attorney shall have the right at any and all times to enter upon and descend into any and all parts of the premises, and that the lessee will render to them all the assistance in his power in so doing, with the use of all passages, ropes, windlasses, ladders and all other means of ingress and egress for such purpose. The lessee covenants and agrees to occupy and hold all crevices, side veins, spurs, feeders, cross-lodes, parallel lodes, or mineral deposits of any kind, which may be discovered in working under this lease, or by the lessee, or any person or persons under it, in any manner, as the property of lessors; with the privilege to lessee of working the same, as an appurtenance of the demised premises during the term of this lease; and not to locate or record the same, or allow the same to be located or recorded, except in the name of the lessors.

10. The lessors do hereby covenant and warrant that they are the owners of the said lands, and that they have a good right to lease the same.

11. It is agreed that any time lost by reason of strikes, riots, acts of God or inevitable delays, is not to run against the time herein specified.

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands this 1st day of September, 1955.

BLUE STAR MINING AND SURVEY CORPORATION,

By: Stanley Gaye Sr.
President

Fred C Ashley
Ruby J Ashley

STATE OF WASHINGTON)
:ss
County of Stevens)

I, Sidney R. Buckley, a Notary Public in and for the State of Washington, do hereby certify that on this day personally appeared before me Fred C. Ashley and Ruby J. Ashley, husband and wife, to me known to be the individuals described in and who executed the within instrument, and acknowledged that they signed the same as their free and voluntary act and deed, for the uses and purposes therein mentioned.

Given under my hand and official seal this 1st day of September, 1955.

Sidney R Buckley
Notary Public in and for the State of Washington, residing at Colville.

#0001

LEASE AGREEMENT

THIS LEASE, executed this 9 day of Aug, 1955, between W. O. BROOKS and Edith Brooks, husband and wife, hereinafter called the LESSORS, and L. E. HAYE and S. V. HAYE, hereinafter called the LESSERS, WITNESSETH:

That the Lessor, in consideration of the royalties hereinafter reserved and the agreements hereinafter expressed, hereby leases to the Lessees the following described property:

> The Northwest quarter of the Northeast quarter and the South-half of the Northeast quarter and the Southeast quarter of Section 11; the Southwest quarter of the Northeast quarter and the South-half of the Northwest quarter, the North-half of the Southwest quarter, the Northwest quarter of the Southeast quarter of Section 12; the North-half of the Northeast quarter of Section 14, all in Township 34N, Range 39 E.W.M., Stevens County, Washington.

This lease shall be for a period of ten (3) years from the date hereof, terminating at midnight on the 9 day of Aug, 1965, unless sooner terminated as hereinafter provided.

The Lessees hereby agree to prospect and mine the above described property in the event that a survey now being conducted by said Lessees shows minerals of commercial qualities and quantities. In the event that said survey does not show minerals of said qualities and quantities this lease shall be null and void.

The Lessees agree to bear the cost of said survey. In consideration of said lease the Lessees agree to pay as rent to the Lessors 50% of the net proceeds of all the ore multed or minted during the continuance of this lease. It is understood and agreed that the cost of smelting and minting shall be deducted from the gross smelting and minting returns to arrive at the net proceeds, in addition to all costs of mining operations.

The Lessees shall pay the costs of prospecting and mining prior to the time that any returns shall accrue and shall be reimbursed for actual expenses out of the first returns.

In the event that the Lessees shall discontinue mining said property for a period of three (3) consecutive years, during the term of this lease or any renewals or extensions thereof, the Lessor may at his option

CORNELIUS & CORNELIUS
ATTORNEYS AT LAW
SPOKANE, WASH.

terminate this lease. Any discontinuance, due to strike, act of God or other cause beyond the control of the Lessees, shall not be considered as a portion of said three year period.

In the event of a discontinuance for three consecutive years, all rights in the above described property shall revert to the Lessor.

If minerals of commercial qualities or quantities are found on said property and the Lessees have kept the terms and conditions of this Lease, then this lease shall not terminate at the end of ~~ten~~ THREE years as above provided but shall continue in effect until terminated by the Lessor as herein provided.

The Lessor shall have the right to inspect all mining operations and mines on said property at any time and shall have the right to inspect any books, smelting or minting returns and any papers or documents having a bearing on the mining operations of said property.

In the event that the Lessees shall fail to carry out any of the terms of this lease the Lessor may, by sixty (60) days written notice to the Lessees, terminate this lease. If the Lessees shall, within said sixty days period comply with the provisions of this lease so as to place it in good standing, said notice shall be of no effect. Any notice given to either party to this lease shall be given by registered mail, addressed to the Lessor at Addy, Washington, and to the Lessees at 1015 Lillian St. Wenatchee Wash., the mailing of said notice as provided herein shall constitute service of said notice.

Lessor hereby certifies that he has the legal title to said property and hereby agrees to cooperate with the Lessees in obtaining a mineral rights for the purpose of this lease.

294375

W. C. Brooks
Edith Brooks
LESSOR

L. E. Hays
S. W. Hayes
LESSEES

INDEXED ✓ RECORDED ✓
COMPARED ✓ PAGED ✓

STATE OF WASHINGTON } ss
COUNTY OF STEVENS

FILED OR RECORDED
VOL. J OF Leases
PAGE 18 REQUEST OF
S. W. Hayes
AUG 9 1955 at 9:29 A.M.
HAZEL EMERY
COUNTY AUDITOR
DEPUTY Dorothy A. Noe

MAIL TO 1015 Lillian St. Wenatchee Wash.

$1.85

CORNELIUS & CORNELIUS
ATTORNEYS AT LAW
SPOKANE, WASH.

#0002

LEASE AGREEMENT

THIS LEASE, executed this 30 day of September, 1955, between Lyman H. Brooks, a bachelor, hereinafter called the LESSOR, and S.V. Haye, hereinafter called the LESSEE, WITNESSETH:

That the Lessor, in consideration of the royalties hereinafter reserved and the agreements hereinafter expressed, hereby leases to the Lessee the following described property:

1. The South-half of the South East quarter; the Northeast quarter of the Southeast quarter both parcels lying in Sec.#12, Twsp.#34, Rng.#39,EWM.
2. The North-half of the Northeast quarter; the Northeast quarter of the Southeast quarter & the South-half of the South-east quarter , all lying in Sec. #13, Twsp.#34, Rng.#39, EWM.
3. The Northwest quarter of Northwest quarter of Northeast quarter of Sec.#24, Twsp.#34,N., Rng.#39, EWM.
4. The Southeast quarter of Northeast quarter of Sec.#13,Twsp.34,N., Rng. #39, EWM.
5. Lots #3 & 4, the Northeast quarter of Southwest quarter & Tax #1 of Sec.#18, Twsp.#34,N., Rng.#40, E.W.M.
6. Lots #3 & 4 and the Southeast quarter of Southwest quarter of Sec.#7, Twsp.#34, Rng.#40, E.W.M., all Townships listed above being North.

(a) This lease shall be for a period of three(3) years from the date hereof, terminating at midnight on the 30 day of September, 1958, unless sooner terminated as hereinafter provided.

(b) The Lessee hereby agrees to prospect and mine the above described property in the event that a survey now being conducted by said Lessee shows minerals of commercial qualities and quantities. In the event that said survey does not show minerals of said qualities and quantities this lease shall be null and void.

(c) The Lessee agrees to bear the cost of said survey. In consideration of said lease the Lessee agrees to pay as rent to the Lessor 50% of the net proceeds of all the ore melted or minted during the continuance of this lease. It is understood and agreed that the cost of smelting and minting shall be deducted from the gross smelting and minting returns to arrive at the net proceeds, in addition to all costs of mining operations.

(d) The Lessee shall pay the costs of prospecting and mining prior to the time that any returns shall accrue and shall be reimbursed for actual expenses out of the first returns.

(e) In the event that the Lessee shall discontinue mining said property for a period of two(2) consecutive years, during the term of this lease or any renewals or extensions thereof, the Lessor may at his option terminate this lease. Any discontinuance, due to strike, act of God or other cause beyond the control of the Lessee, shall not be considered as a portion of said two(2) year period.

(f) In the event of a discontinuance for two(2) consecutive years, all rights in the above described property shall revert to the Lessor.

(g) If minerals of commercial qualities or quantities are found on said property and the Lessee has kept the terms and conditions of this lease, then this lease shall not terminate at the end of three years as above provided but shall continue in effect until terminated by the Lessor as herein provided.

(h) The Lessor shall have the right to inspect all mining operations and mines on said property at any time and shall have the right to inspect any books, smelting or minting returns and any papers or documents having a bearing on the mining operations of said property.

(i) In the event that the Lessee shall fail to carry out any of the terms of this lease ~~xx~~ the Lessor may, by sixty(60) days written notice to the Lessee, terminate this lease. If the Lessee shall, within said sixty(60) days period comply with the provisions of this lease so as to place it in good standing, said notice shall be of no effect. Any notice given to either party to this lease shall be given by registered mail, addressed to the Lessor at, R.F.D. #1-Addy, Washington, and to the Lessee at 1015 Lillian Street-Prosser, Washington, the mailing of said notice as provided herein shall constitute service of said notice.

(j) Lessor hereby certifies that he has the legal title to said property and hereby agrees to cooperate with the Lessee in obtaining a mineral rights for the pur pose of this lease.

295883
-295883-

INDEXED ✓ RECORDED ✓ COMPARED ✓ PAGED ✓

STATE OF WASHINGTON } ss
COUNTY OF STEVENS
FILED OR RECORDED
VOL. 1 OF Leases
PAGE 85 REQUEST OF
Stanley Haye
OCT 7 1955 at 1:13 P.M.
HAZEL EMERY
COUNTY AUDITOR
DEPUTY

MAIL TO 336 N. Main Colville, Wash.
$1.75

Lyman H. Brooks
Lyman H. Brooks: Lessor

S.V. Haye
S.V. Haye: Lessee

State of Washington)
County of Stevens (s.s.
City of Colville)

I, Grandison G. Noah, a notary public in and for the said county and state, do hereby certify that on this 30 day of September, 1955, before me personally appeared the within named Lyman H. Brooks & S.V. Haye, to me known, and known to me, to be the persons described in, and who executed, the forgoing instrument; and I, having first read to the said Lyman H. Brooks & S.V. Haye the contents of the foregoing instrument, and having fully explained to the said Lyman H. Brooks & S.V. Haye their rights and the effect of signing the said instrument, they, thereupon, in my presence, signed, sealed, delivered and acknowledged the said instrument as their voluntary act and deed, for the purposes, uses and considerations therein mentioned.

NOTARY PUBLIC STATE OF WASHINGTON

Grandison G. Noah
Grandison G. Noah
Notary Public:Stevens County
State of Washington, residing
in Colville.

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
81	Chapman	400
81	Martin	400
		110
		100

July 31, 1958

MEMORANDUM

To: Administrator, DMEA

From: Division of Iron and Ferro-Alloys, DMEA

Subject: Denial of the subject application for exploration assistance in the amount of $24,500.00
Docket No. DMEA-5012, Tungsten-Uranium
Blue Star Mining and Survey Corporation
Brooks-Ashley properties
Stevens County, Washington

Due to the lack of data in Washington before June 30, 1958, we were unable to process this application prior to that date. However, had processing been completed, we would have been unable to recommend a project based upon the information available to us concerning the property.

The Blue Star Mining and Survey Corporation, on May 1, 1958, made an application for exploration assistance in diamond drilling the Brooks-Ashley properties for tungsten and uranium ores at an estimated cost of $24,500.00.

The property was examined on May 15, 1958, by G. G. Waddell, Bureau of Mines, and Howard F. Albee, Geological Survey, accompanied by Mr. Stanley V. Haye, Sr., president of the corporation.

Applicant — Blue Star Mining and Survey Corporation
Box 131
Colville, Washington

Property Ownership — The land applying to this application is deeded land, owned by W. C. Brooks, Lyman H. Brooks, and Fred C. Ashley. The W. C. Brooks and Lyman H. Brooks properties were leased to S. V. Haye and L. E. Haye, who in turn assigned the leases to the Blue Star Mining and Survey Corporation. The assignment did not accompany the application, but was examined by the examining team. The Fred C. Ashley land was leased directly to the Blue Star Mining and Survey Corporation.

The W. C. Brooks lease covers the following land:

N½SW¼; S½NW¼; SW¼NE¼; and NW¼SE¼, section 12, T. 34 N., R. 39 E., Washington Meridian.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

The Lyman H. Brooks lease covers the following land:

S½SE¼; and NE¼SE¼ of section 12; N½NE¼; NE¼SE¼; and S½SE¼ of section 13; NW¼NW¼NE¼ of section 24; SE¼NE¼ of section 13, T. 34 N., R. 39 E., Washington Meridian. Lots 3 and 4 and the NE¼SW¼ of section 18. Lots 3 and 4 and the SE¼SW¼ section 7, T.34 N., R. 39 E.

The Fred C. Ashley lease covers the following land:

Portions of sections 9, 10, 11, 12, and 14, T. 34 N., R. 39 E., Washington Meridian.

Geology The properties lie on a large spur of Cretaceous Loon Lake granite. The area is largely covered by a soil mantle; exposure of the granite occurring in the northern and northwestern portions of the property. An exposure of the granite enlarged by bulldozing and blasting shows joints and shear zones. This area "E" shows radioactivity up to ten times the background. The radioactive minerals coat some of the shear planes.

An aplite dike 250 to 300 feet wide cutting through the area shows quartz veins from 2 to 8 inches wide. In these and other small quartz veins scheelite and wolframite are found.

Past History and Production The property is in the prospecting stage and has had no production. An estimated 8 tons, assaying 0.083 percent U_3O_8, was taken from a 24 foot shaft; a side hill cut was blasted out; some wagon drill holes 30 feet deep were drilled, all on the Lyman Brooks property. The holes were probed, but no significant readings were made.

On other parts of the property pits, dozer cuts and wagon drill holes have been made without significant results.

Ore Values and Tonnage No significant tonnage of tungsten or uranium ores has been indicated on the property. Samples taken show the following results:

Sample No.	Width Ft.	U_3O_8 %	WO_3 %
GGW-15D	Dump	0.083	
16D	2.0	0.117	
17D	0.4		0.38
18D	0.5		0.70
19D	0.2		1.61
20D	4.4	0.056	Tr
21D	0.2		0.65
22D	Chip		Tr

8623

Comments and Recommendations

Tungsten and uranium minerals occur on the property in low grade bodies of two types. Uranium occurs as secondary minerals as coatings on walls and joints. Tungsten occurs as scheelite and wolframite in narrow quartz veins.

The examining engineers conclude that there is little or no possibility of finding significant ore bodies and do not recommend any assistance in exploring the property. The Field Team concurs in their recommendations.

The Commodity Divisions of the Geological Survey and the Bureau of Mines concur in the recommendation of the examining engineers and the Field Team.

W S Martin

W. S. Martin, Director, Division of Iron and Ferro-Alloys

TLChapman:bih 7/31/58

cc to: Code 400
Admr. Reading File
Oper. Committee
Mr. Johnson

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
7-23	Chapman	400
7-23	Martin	400
	Martin	130
	Lopez	
	Kilsgaard	
8/1	Johnson	110
1	Mittendorf	100
		220

AUG 1 1958

Blue Star Mining and Survey Corporation
P. O. Box 131
Colville, Washington

Re: Docket No. DMEA 5012, Tungsten,
Uranium
Brooks-Ashley properties
Stevens County, Washington

Gentlemen:

We regret that we were unable to completely process your application for exploration aid prior to June 30, 1958, the termination date for approving new contracts, as announced by the enclosed copy of a news release of June 6, 1958.

However, had the processing been completed, we would have been unable to approve a project based upon the information available to us in Washington concerning your property.

We wish to thank you for your interest in the DMEA program and for bringing the exploration plan to our attention.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

Enclosure

TLCHAPMAN/dlm 7-23-58
cc to: Code 400
Admr. R. File
Oper. Comm.
Messrs. FT. REG. I
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

OFFICIAL FILE COPY
DMEA
RECEIVED JUL 25 1958

DATE	INITIALS	CODE
7/25	C	220
	WSM	400

July 23, 1958

5012

Tungsten
Blue Star Mining and Survey Corp
Brooks-Ashley Leases
Stevens County, Washington

W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys
R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Field Examination Report

Date of [illegible] 7/8/58 [illegible] 7/7/58

[illegible] [ ] [x]

[illegible] [ ] [x]

[illegible] [ ] [x]

[illegible] [ ] [x]

[illegible]

[illegible]

[illegible]

[illegible]

I concur with the Field Team recommendation for denial.

R W Holliday
R. W. Holliday

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

IN REPLY REFER TO:

RECEIVED JUL 23 1958

DATE	INITIALS	CODE
7/23	C	220
	WSM	400

July 22, 1958

Memorandum

To: F. L. Knouse, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 5012 (uranium, tungsten) Blue Star Mining and Survey Corp., Brooks-Ashley leases, Stevens County, Washington

The examining team report that geologic conditions on the applicant's mining leasehold are not favorable for the presence of uranium-tungsten ore deposits.

Uranium deposits on the property are found as secondary coatings on fracture and joint surfaces in granite. Assay results ranged from 0.056 to 0.117 percent U_3O_8.

Tungsten as scheelite and wolframite is found in 2 to 4-inch wide quartz veins in granite and aplite.

Neither the occurrences of uranium minerals nor those of tungsten appear to have reasonable chances of possessing potentialities for minable tonnages of ore on the property. I agree with the recommendations of the examining team for denial of the application.

W. P. Williams

W. P. Williams

ORIGINAL FILE COPY
DMEA
RECEIVED JUL 22 1958

DATE	INITIALS	CODE
7/22	C	220
	WSM	400

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

Date July 21, 1958

DMEA Docket No. 5012
DMEA Contract No.
Commodity Uranium-Tungsten
Name of Applicant Blue Star Mining and Survey Corp.
Name of Property Brooks-Ashley Leases
Location of property Stevens County, Washington
Estimated cost of project $24,500

Memorandum

To: Mr. Frederick L. Knouse, Acting Director
Rare and Misc. Minerals Div., DMEA
From: James Paone, Bureau of Mines Member JP
Uranium Commodity Committee
Subject: Review of Field Team Report
(Application, Field Team Report, etc.)

1. Date of subject document: 7/10/58 2. Date received by reviewer: 7/14/58

3. Prior reports on this property known to reviewer: Yes ☐ No ☐

4. Prior reports on nearby properties known to reviewer: Yes ☐ No ☐

5. Information available on past production: Yes ☐ No ☐

6. Other pertinent factors known to reviewer: Yes ☐ No ☐

7. Explain items marked 'yes' above:

8. Factors meeting special consideration:

a. Location ☐
b. Ownership ☐
c. Evidence of mineralization ☐
d. Geology ☐
e. Proposed exploration method ☐
f. Alternate exploration method ☐
g. Costs
h. ☐

9. Action advised:

a. Obtain information from applicant ☐
b. Refer to Field Team ☐
c. Decline: X
d. Agree with Field Team X
e. Disagree with Field Team ☐
f. Suggest alternate plan ☐
g. Request another consideration ☐
h. Approval ☐
i. Consult with Mr. _____ at _____ AEC Office

10. Remarks: (Use back of page if necessary)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
So. 157 Howard Street
Spokane 4, Washington
July 10, 1958

DMEA
RECEIVED JUL 14 1958

DATE	INITIALS	HOURS
7/14	C	220
7/18	HB	130
7/18	C	220
	WSM	400

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

Re: Docket No. DMEA-5012 (Uranium-Tungsten)
Blue Star Mining and Survey Corp.
Brooks-Ashley Leases
Stevens County, Washington

Dear Mr. Selfridge:

Attached are three copies of a report from Howard F. Albee, Geologist, Geological Survey, and G. G. Waddell, Mining Engineer, Bureau of Mines, on the examination of the Brooks-Ashley leases of the Blue Star Mining and Survey Corporation, Stevens County, Washington.

On the Brooks-Ashley leases two types of deposits are known. Uranium is found as secondary minerals coating the walls of fractures and joints and as thin films of an unidentified black mineral sparsely coating a few shear planes. The joints and shears are generally indistinct and discontinuous; consequently, the uranium-bearing areas also appear to be discontinuous both horizontally and vertically.

Scheelite and wolframite are found in quartz veins, all of which appear to be associated with aplite dikes. Some autunite and torbernite(?) coat the walls of one of the veins. The veins are from 2 to 4 inches wide and are discontinuous along the strike. Samples from the veins assayed from a trace to 1.61 percent WO_3.

The examiners concluded that the possibility of making a significant discovery is slight and recommend denial. The Field Team concurs with this recommendation.

By Field Team, Region I

A. E. Weissenborn

A. E. Weissenborn, Executive Officer
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
7-18-58
(date)

Wing G. Agnew

Wing G. Agnew, Member
U. S. Bureau of Mines

Attachments
cc: USBM(2) Albee
USGS(SRO) AEC, Salt Lake

DMEA

DMEA
RECEIVED JUL 14 1958

DATE	INITIAL	CODE
7/18	26	130
		220

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

July 8, 1958

Memorandum

To: DMEA Field Team Region I

From: Howard F. Albee, Geologist, U. S. Geological Survey and G. G. Waddell, Mining Engineer, U. S. Bureau of Mines

Subject: Application examination report, Docket No. DMEA-5012 (Uranium-Tungsten), Blue Star Mining and Survey Corporation, Brooks-Ashley Leases, Stevens County, Washington

INTRODUCTION

Blue Star Mining and Survey Corporation, P. O. Box 131, Colville, Washington, applied under Docket No. DMEA-5012 for aid to explore for tungsten and uranium in Stevens County, Washington (fig. 1).

The property was examined May 15, 1958, by G. G. Waddell, Mining Engineer, U. S. Bureau of Mines, and Howard F. Albee, Geologist, U. S. Geological Survey, accompanied by Mr. Stanley V. Haye, Sr., president of the corporation.

ON SITE EXAM

The applicant proposes to diamond drill 11 holes from 5 locations for a total of 6,600 feet. The locations are designated as Areas A through E on plate 1, but during the field examination the applicant could not give the distribution of the proposed holes per location. His estimated cost of the project is $24,500.

SUMMARY

Tungsten and uranium minerals occur on the property in low-grade deposits of two types. Uranium occurs in secondary minerals coating the walls of fractures and joints in granite and as thin films of an unidentified black mineral sparsely coating a few shear planes. Tungsten as scheelite and wolframite is found in several 2- to 4-inch wide quartz veins in granite and aplite.

The tungsten-bearing quartz veins where exposed average from 2 to 6 inches wide and contain from a trace to 1.61 percent WO_3.

Reviewed by
DMEA OPERATING COMMITTEE
7-18-58
(date)

The exposed uranium deposits in the granite consist of secondary uranium minerals occurring as coatings on fracture and joint surfaces at Areas C, D, and E (pl. 1). The exposures are small and radioactivity is confined to smaller areas along the exposures. The observed structures are weak, and anomalous radioactivity cannot be traced along them for more than a few feet. Assay results range from 0.056 to 0.117 percent U_3O_8.

RECOMMENDATION

The geologic probability of a significant discovery of either tungsten or uranium is poor and denial of the application is recommended.

LOCATION AND ACCESSIBILITY

The property is located mainly in secs. 12 and 13, T. 34 N., R. 39 E., Willamette meridian, Stevens County, Washington.

A road log to the property reads: north from Chewelah 13.5 miles (south from Colville 7.6 miles) to a road sign that reads "12-mile Road," turn southeasterly, travel 0.5 mile (apparently part of the old highway), then left on winding graveled road for 1.1 miles, left on dirt road for 0.6 mile, left on dirt road about 1 mile to the property. The road to the property is an all-weather road but to travel on the property a 4-wheel drive vehicle is required.

The property is at an altitude of about 2,500 feet on a fairly steep, timbered mountain spur. Precipitation ranges from 15 to 20 inches a year, largely as snowfall. The property is accessible most of the year. Timber on the property is suitable for mining purposes and local sawmills could supply lumber. Water for both domestic and mining purposes would have to be hauled from the Little Pend Oreille River, a distance of about 1 or 2 miles. Power lines run within about a mile of the property. The nearest railroad siding is at Arden, Washington, about $3\frac{1}{2}$ miles by road. Most supplies and man power would come from Colville, Washington.

PROPERTY RIGHTS

All of the land applying to this application is deeded land, owned by farmers and leased to the Blue Star Mining and Surveying Corp. Ownership and legal description of the land is as follows:

W. C. Brooks farm lease:

$N\frac{1}{2}SW\frac{1}{4}$; $S\frac{1}{2}NW\frac{1}{4}$; $SW\frac{1}{4}NE\frac{1}{4}$; and $NW\frac{1}{4}SE\frac{1}{4}$, sec. 12, T. 34 N., R. 39 E., W.M.

Lyman H. Brooks farm lease:

$S\frac{1}{2}SE\frac{1}{4}$ and $NE\frac{1}{4}SE\frac{1}{4}$ of sec. 12; $N\frac{1}{2}NE\frac{1}{4}$, $NE\frac{1}{4}SE\frac{1}{4}$, and $S\frac{1}{2}SE\frac{1}{4}$ of sec. 13; $NW\frac{1}{4}NW\frac{1}{4}NE\frac{1}{4}$ of sec. 24; $SE\frac{1}{4}NE\frac{1}{4}$ of sec. 13; T. 34 N., R. 39 E., W.M.

Lots 3 and 4 and the $NE\frac{1}{4}SW\frac{1}{4}$ of sec. 18;

Lots 3 and 4 and the $SE\frac{1}{4}SW\frac{1}{4}$ of sec. 7; T. 34 N., R. 40 E., W.M.

Fred C. Ashley farm lease:

Portions of secs. 9, 10, 11, 12, 14, T. 34 N., R. 39 E., W.M.

The W. C. Brooks and Lyman H. Brooks properties were leased to S. V. Haye and L. E. Haye. The assignment of the leases to the corporation was not submitted with the application. The affidavits of the work performed by Blue Star Mining and Survey Corporation to hold the Ashley property and the Haye's assignments of the W. C. Brooks and Lyman H. Brooks properties to the company were examined in the office of Mr. Grandison G. Noah, accountant for the company. Mr. Noah was informed that it would not be necessary to have copies of these agreements made unless the Government requested them.

HISTORY

The property is in the prospecting stage and has had no production. An estimated 8 tons, assaying 0.083 percent U_3O_8, is stockpiled on the Lyman Brooks property near the 24-foot vertical shaft. Most of the applicant's work was performed here. Along side the shaft some blasting opened a 5-foot deep sidehill cut and some wagon-drill holes 30 feet deep were drilled. These holes were radiometrically probed by the operator in the presence of the examiners but no significant readings were noted.

In Area "D" on the W. C. Brooks farm, two hand-dug trenches, a 14-foot vertical shaft, and a 12-foot pit were excavated in an area where both uranium and tungsten were exposed. There was also considerable dozing work performed here.

Most of the other work on the property consisted of dozer cuts, some wagon-drill holes, and a small amount of road building. A few wagon-drill holes on the Ashley property were drilled, mainly to satisfy the terms of the lease.

GEOLOGY

The property lies on a large spur of Cretaceous Loon Lake granite which extends into the Colville Valley from the east. The area is largely covered by a soil mantle; exposures of the granite are mostly found in the northern and northwestern parts of the property.

A small exposure of granite at Area "E" has been enlarged by bulldozing and blasting. Several sets of northwesterly trending joints and shear zones were exposed, some of which contain visible autunite and uranophane. Radioactivity along the mineralized zones ranged up to 10 times background. A channel sample from across the best material assayed 0.117 percent U_3O_8. From a 24-foot deep shaft, an estimated 8 tons of rock has been saved in which traces of a black, radioactive mineral can be seen. The black mineral is mostly in sheared material and appears to be sparsely coating some of the shear planes. The shaft was partly full of water and could not be examined. A sample containing the black mineral assayed 0.083 percent U_3O_8.

The joints and shear zones are weak and drill targets cannot be projected either laterally or to depth.

Area "D" (pl. 1) is on an aplite dike 250-300 feet wide. Two quartz veins from 2 to 8 inches wide are exposed. The quartz veins were primarily prospected for tungsten, which occurs as scheelite and wolframite or one of the end members of the group. Samples GGW-17D, -18D, -19D, -20D, and -21D taken from the quartz veins assayed 0.38, 0.70, 1.61, trace, and 0.65 percent WO_3, respectively. Sample GGW-20D also assayed 0.056 percent U_3O_8.

Autunite and a mineral that appears to be torbernite are on fracture surfaces in the open cut nearest the 14-foot shaft. The uranium minerals are in the quartz vein, as well as in the aplite, but the association is probably fortuitous rather than genetic. Radioactivity was practically nil on the quartz vein in the shaft.

The aplite at the northernmost pit in Area "D" has a radioactivity count up to 3 times background. The well-defined joints had no greater radioactivity than the rock away from them.

There is no apparent structure in this area that would afford a target. The aplite-granite contact is not well exposed but no radioactivity was detected in its vicinity, and radioactivity could not be traced along the strike of the veins or joints.

Very little radioactivity was detected at Area "C" and no uranium minerals were seen on the walls of the three well-defined joints. Strong radioactivity along the hanging wall of the joint

in the small water-filled pit was reported by the applicant, but this could not be verified. The dump material showed no radioactivity.

At Area "B" there are 5 or 6 parallel quartz veins that average from 2 to 4 inches wide. These veins strike N. 30°-40° E., are nearly vertical, and are within a zone 100 feet wide. The applicant reported that each vein carries about the same percentage of tungsten. The veins are exposed on one of the most inaccessible hillsides on the property. Several hundred feet to the northeast of the exposures, the applicant has wagon-drilled several holes without tangible results. This drilling was done in more accessible terrain along the projected strike of the veins.

Area "A" was not visited. The applicant reported that nothing was exposed but that they wished to bulldoze and drill on the projection of some tungsten-bearing quartz veins that are exposed near the property line and on the adjoining property. From the applicant's description, the veins apparently are similar to the ones at Area "B".

Eight samples were taken during the examination with the following assay results:

Sample no.	Width (ft.)	U_3O_8 (%)	WO_3 (%)
GGW-15D	Dump	0.083	--
-16D	2.0	0.117	--
-17D	0.4	--	0.38
-18D	0.5	--	0.70
-19D	0.2	--	1.61
-20D	4.4	0.056	Tr
-21D	0.2	--	0.65
-22D	Chip	--	Tr

DISCUSSION OF APPLICANT'S PROPOSAL

The applicant proposed to do his own drilling, although he had no previous experience and a poor understanding of the costs involved.

Because it is recommended that this application be denied, no further discussion of his proposal is warranted.

Attachments 2

Distribution:
DMEA (3)
USBM (5)
USGS(SRO)
AEC, SLC
Docket
Albee

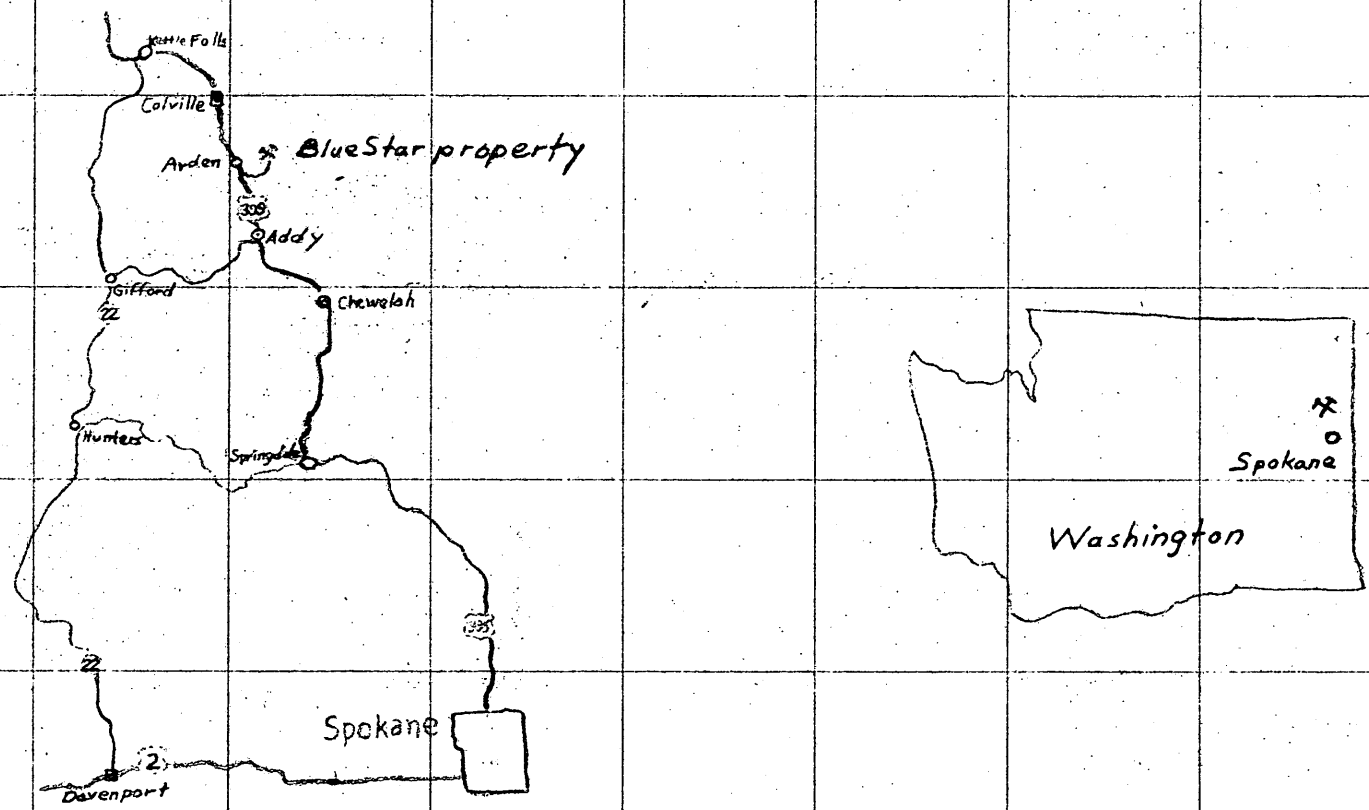


Figure 1. Location map, Blue Star Mining and Survey Corp.
Stevens County, Washington

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-16	Chapman	400
5-16	Martin	400
5/16	Selfridge	130
5/16	Lenk	130
5/16	Kiilsgaard	130
"	Johnson	110
	Mittendorf	100
		220

MAY 16 1958

Blue Star Mining and Survey Corporation
P. O. Box 131
Colville, Washington

Re: Docket No. DMEA 5012, Tungsten-Uranium
Brooks-Ashley properties
Stevens County, Washington

Gentlemen:

The above-referenced application for exploration assistance has been reviewed by the Division of Iron and Ferro-Alloys of the Defense Minerals Exploration Administration and referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region I, South 157 Howard Street, Spokane 4, Washington, for review and further consideration.

The Regional Office will notify you if additional information concerning your application is required. Any assistance you may give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLCHAPMAN:foc
5-16-58
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
Messrs. R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

8623

P.S. We note that in scheduling an examination you will give this a low priority, ~~and~~ therefore we have not mentioned in our letter to the applicant that possibly a field examination of the property will be made.

EOMEA-5012

I discussed this case with Com FEJ and hope the above P.S. will be satisfactory

WSM 5/16/58

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
5-16	Chapman	400
5-16	Martin	400
5/16	[illegible]	130
"	Johnson	110
"	[illegible]	100
5/19	[illegible]	220
		400

Mr. A. E. Weissenborn
Executive Officer
DMEA Field Team, Region I
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 5012, Tungsten-Uranium
Blue Star Mining and Survey Corporation
Brooks-Ashley properties
Stevens County, Washington

Dear Mr. Weissenborn:

The above-docketed application for exploration assistance is being referred to your office for review and further consideration.

Copies of memoranda dated May 9 and 14, 1958, by R. W. Holliday, Bureau of Mines, and T. H. Kiilsgaard, Geological Survey, respectively, relating to the project are enclosed. Also enclosed is an extra copy of the application for the use of the Field Team.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

TLChapman:foc 5-16-58
cc to: Docket
Code 400
Admr. R. File
Oper. Comm.
FT. REG. I
R. W. Holliday, USBM
T. H. Kiilsgaard, USGS

Enclosure

P.S. We note that in scheduling an examination you will give this a low priority, and, therefore, we have not mentioned in our letter to the Applicant that possibly a field examination of the property will be made.

8623

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

OFFICIAL FILE COPY
IN REPLY REFER TO:
RECEIVED MAY 14 1958

DATE	INITIALS	CODE
5/14/58	KVB	220
	WSM	400

May 14, 1958

Memorandum

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

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application, DMEA 5012, The Blue Star Mining & Survey Corporation (Tungsten-Uranium) Stevens County, Washington

In a poorly prepared application, it is proposed to drill 11 holes on the cited property. Estimated cost of this project is $24,500.

We have no data on this property and from that given in the application, it is impossible to evaluate the merits of the proposed work. I therefore recommend this be referred to the field for field examination and report.

T. H. Kiilsgaard

T. H. Kiilsgaard

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 12 1958

DATE	INITIALS	CODE
5/12	C	220
		400

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

May 9, 1958

File Number 5012
Commodity Tungsten-Uranium
Name of Applicant Blue Star Mining & Survey Corp.
Name of Property Brooks-Ashley Leases
Location of Property Stevens County, Washington
Estimated cost of project

MEMORANDUM

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: R. W. Holliday, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Review of Application
(Application, Data Sheet, etc.)

1. Date of original receipt 5/1/58 2. Date received by reviewer 5/9/58

3. Does report on the property have to accompany: Yes [ ] No [x]

4. Does report on mining proposition have to accompany: Yes [ ] No [x]

5. Information included on data sheet: Yes [ ] No [x]

6. Other pertinent information to accompany: Yes [ ] No [x]

7. Explain with reference to above:

8. Further information required on:
a. Geology [ ] b. Geophysics [ ] c. Geochemistry [ ] d. Economics [ ] e. Mining [ ] f. Metallurgy [ ] g. Other [ ]

9. Action taken:
a. Data is adequate for appraisal [ ] b. Referred to Field Team [x] c. Report [ ] d. Data not adequate [ ] e. Report with Data Sheet [ ] f. Report only [ ] g. Return unopened [ ] h. Other [ ]

10. Remarks: (Use back of sheet if necessary) Additional information is needed for appraisal. Referral to the Field Team for appropriate action is recommended.

R. W. Holliday
R. W. Holliday

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

May 9, 1958

Blue Star Mining & Survey Corp.,
P. O. Box 131
Colville, Washington

Subject: DMEA-5012

Gentlemen:

Your application for exploration assistance, dated May 1, 1958 submitted to our office at Spokane, Washington has been assigned Docket Number DMEA-5012 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

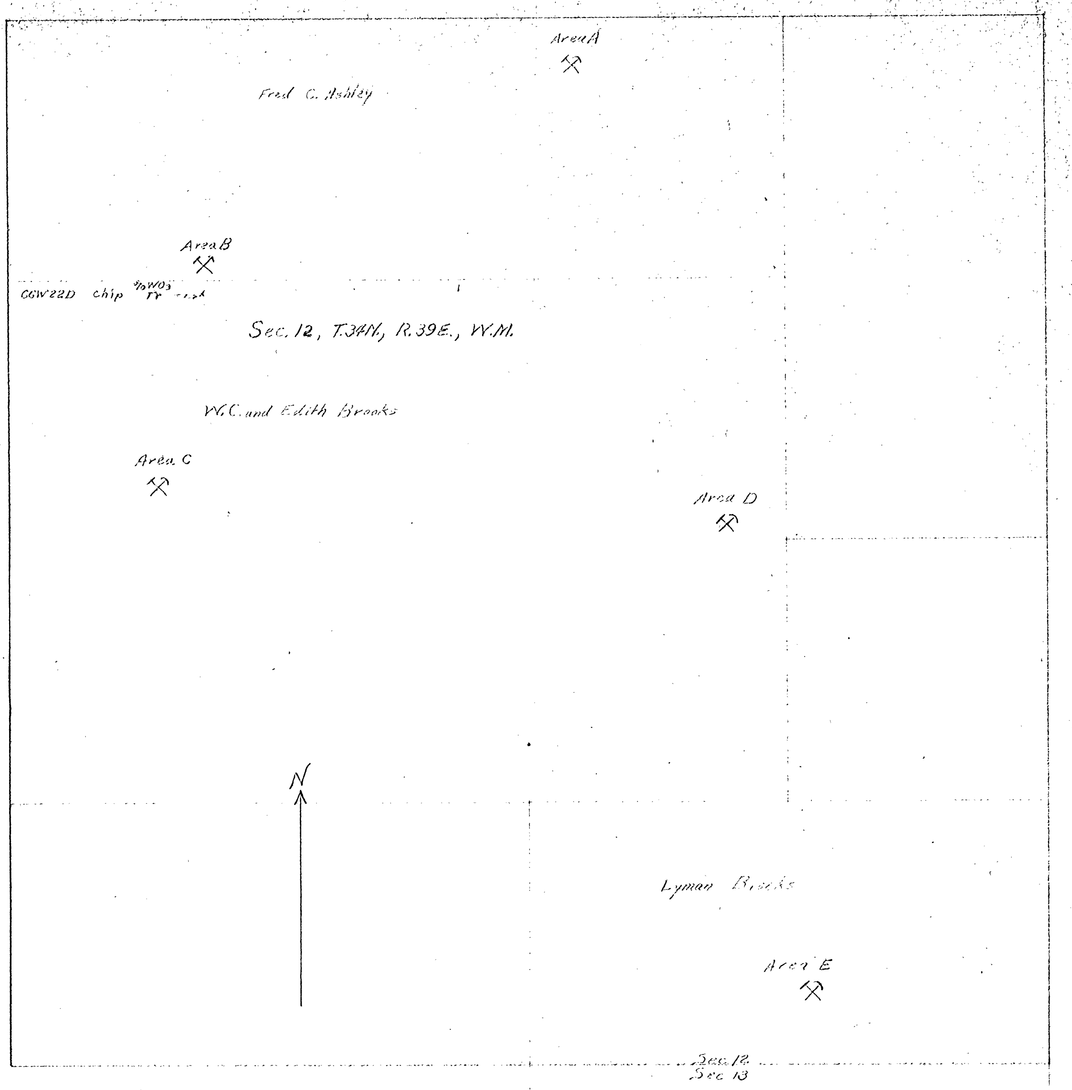
Allen S. Dakan, Director
Operations Control and
Statistics Division

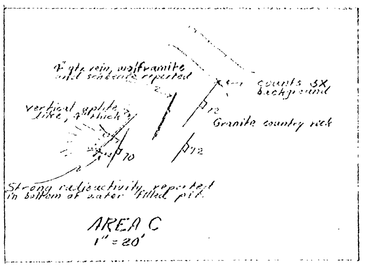
Copy to: Region I.

United States
Department of the Interior

Prepared for
Defense Minerals Exploration Administration
Application Report

Docket No. DMEA 5012





Explanation

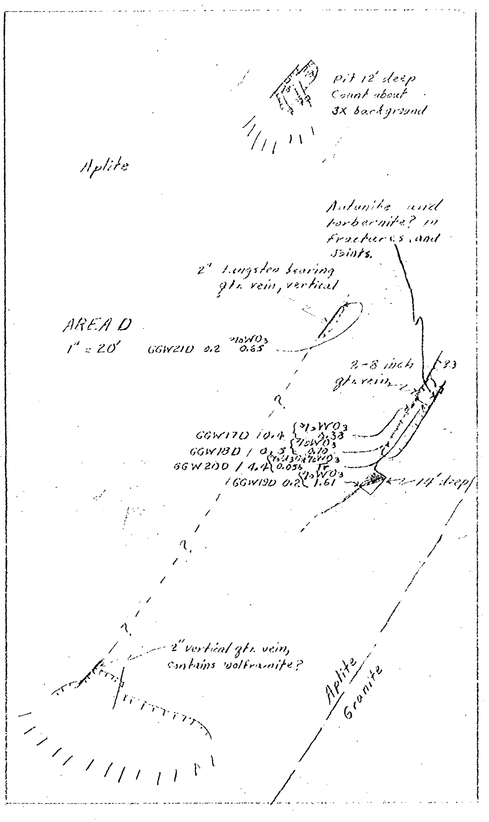
Strike and dip of joint

Quartz vein showing dip

Shaft at surface

Sample data

Sample No	length (ft)	Assay (%)
GGW 21D	0.2	0.65



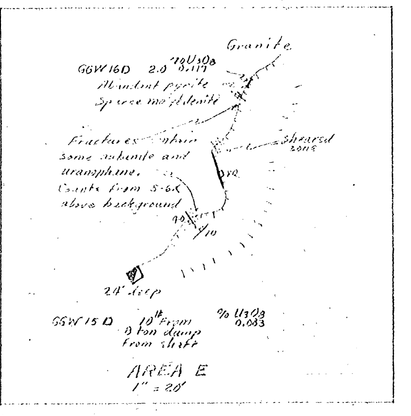


Plate I

Map of Blue Star Mining and Survey Corporation property with insets showing local geology, Stevens County, Washington

H. F. Albee

July 1958