DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 2718

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Routing Slip
COPIES TO USGS & USBM

To:	CODE 700 Rm. 4640	Date	9-30-52
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SURNAME: 9B

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

AUG 20 1953

J.W. Alt
Francine
Martin
Lazrak
Johnson
Selfridge

Mr. William A. Moren
Route No. 1
Neuro Moolley, Washington

Re: Docket No. M.A. 2713 (Copper-lead-zinc)
William A. Moren
Diamond Mine
Skagit County, Washington

Dear Mr. Moren:

Your application for aid for an exploration project and other reports available to us in Washington concerning your application 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 a small amount of ore on your claims, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

JWAlt/hmj
(8/17/53)
CC to: Docket
Adm. R. File
Op. Committee
Base Metals Div.
Region II (2)
Mr. Kinkel
Mr. Bishop
Chron.

HHK 8-20-53

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

August 17, 1953

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of application, Docket No. DMEA 2718, William R. Soren, Diamond Mine, Skagit County, Washington. (Copper-lead-zinc)

The field examination report of the subject application was received by this office on July 28, 1953.

The Applicant requested exploration assistance to extend an existing 50-foot crosscut an additional 55 feet and 350 feet of drifting on the ore structure. The Applicant estimated this work would cost $13,277.00. The proposed exploration crosscutting and drifting is approximately 1,800 feet west of and 1,200 feet lower in elevation than the ore exposed in an upper working.

The examining engineer believes that the proposed work is too far from the present exposures and, as the Applicant is not interested in conducting exploration in the vicinity of the exposed ore, the examining engineer recommends that the application be denied.

We concur with the Field Team and the commodity members of the USGS and the USBM that this application be denied.

W. R. Griswold

W. R. Griswold

Attachment

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

August 17, 1953

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W. R. Griswold

W. R. Griswold

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FILE COPY
SURNAME:

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

J.W. All
Martin
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Flum

August 17, 1953

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Attachment

JWAlt/hmj
(8/17/53)
CC to: Docket
Op. Committee
Base Metals Div.
Chron.

8-20-53

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

August 10, 1953

Memorandum

To: W. R. Griswold, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2718 (Copper), William R. Soren, Diamond mines, Skagit County, Washington

I have reviewed the Field Team report by Magill dated July 15, 1953, on the above-named application, and believe the information presented in the report fully supports the recommended denial of the application.

C. H. Johnson

C. H. Johnson

Copy to - A. R. Kinkel, Jr. GSA, B-242-A
Minerals Division
Mr. Johnson
Files

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

August 10, 1953

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C. H. Johnson

CHJohnson:ks

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Minerals Division
Mr. Johnson
Files

IN REPLY REFER TO:

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

Department of the Interior
Defense Minerals Administration
RECEIVED
AUG - 4 1953

August 3, 1953

Memorandum

To: Mr. W. R. Griswold

From: E. L. Newcomb

Subject: Concurrence with field team recommendation for denial

Re: DMEA-2718
Diamond Mine
Cascade District
Skagit County, Washington
$13,277
Copper-lead-zinc

I concur with the field team and recommend this application be denied, because the applicant's proposal is not geologically feasible.

E L Newcomb for WRK

E. L. Newcomb
Geologist

IN REPLY REFER TO:

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

Defense Minerals
RECEIVED
AUG 4 1953

August 3, 1953

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E. L. Newcomb
Geologist

Minerals Administration
RECEIVED
AUG 4 1953

August 3, 1953

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Cascade District
Skagit County, Washington
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Copper-lead-zinc

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Geologist

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

1201 N. Division St.
Spokane 2, Washington
July 21, 1953

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

Subject: Docket No. DMEA ~~2178~~ 2718
(copper-lead-zinc)
William R. Soren
Diamond Mine
Skagit County, Washington

Dear Mr. Selfridge:

Enclosed are the original and three copies of a field examination report by E. A. Magill, U. S. Bureau of Mines, in connection with the subject application.

The applicant has requested exploration assistance to extend an existing 50-foot crosscut an additional 55 feet along with 350 feet of drifting on the ore structure. The crosscut is some 1800 feet west of and 1200 feet lower in elevation than the ore exposed in an upper working.

The examining engineer believes that the proposed work is too far from the present exposures, and as the applicant is not interested in conducting exploration in the vicinity of the exposed ore the examining engineer recommends that the application be denied. The Field Team concurs with this recommendation.

By Field Team, Region II

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

J. J. Quinlan, Acting Member
U. S. Geological Survey

Enclosure

Wash

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
1201 N. Division St.
Spokane 2, Washington

July 15, 1953

8/18/53

MEMORANDUM

To: DMEA Field Team, Region II

From: E. A. Magill, Mining Engineer, Region II

Subject: Exploration application, William R. Soren (Diamond mine) Skagit County, Washington, Docket DMEA ~~2178~~ 2718 (Cu, Pb, Zn)

APPLICANT

The applicant is William R. Soren, Route 1, Sedro Woolley, Washington.

RECOMMENDATION

It is recommended that the applicant's request for an exploration project in the amount of $13,277.00 on the Diamond mine be denied.

EXAMINATION

The Diamond mine was examined on June 11, 1953; six hours were spent on the property in company with Mr. William Soren, the owner.

LOCATION OF PROPERTY

The Diamond mine is located in sections 25 and 26, T. 35 N., R. 13 E.W.M., Cascade Mining District, Skagit County, Washington. The nearest town is Marblemount, some 22 miles distant by graveled road. Marblemount has railroad facilities.

The property is accessible for less than six months of the year. Heavy snowfalls during the remainder of the year make the road impassable.

COMPETENCE OF APPLICANT

The applicant is considered capable of carrying out the proposed exploration of the property. He is at present operating an open pit talc

mine producing about 50 tons of the talc per day in the vicinity of Marblemount.

APPLICANT'S PROPERTY RIGHTS

Two claims are involved in the application. The first is a patented claim called the Diamond Mine (Survey 284) owned by the applicant. The second claim is unpatented and known as Diamond No. 1 claim and held by the applicant by right of annual assessment work. It is recorded in Volume No. 9, page 401 in the records of the County Recorder at Mount Vernon, Washington.

DESCRIPTION OF PROPERTY

There are no buildings on the property. In 1952, under the State of Washington mine-to-market road program, a road was constructed to the lower adit on the Diamond No. 1 claim. This 50-foot adit is at an elevation of about 3,600 feet (see attached map). The other 50-foot adit (upper adit) is on the Diamond Mine claim at an elevation of about 4,800 feet and is reached by trail from the lower adit.

There are two open cuts, now sloughed in, near the middle of the Diamond Mine claim.

GEOLOGY

The Diamond mine is in a transitional contact zone between a series of older metamorphic rocks and granitic rocks which are part of the batholith which forms the core of the Cascades. Relic structures from the older rocks may be recognized in the granite. There are numerous fine grained basic dikes of varying widths exposed in the area.

The upper adit (see attached map) driven in diorite, exposes an ore shoot at least 50 feet in length in a fault which strikes N. 80° E. and dips 73° south. This fault can be traced on the surface wouthwestward for several hundred feet. The fault does not appear to be mineralized (except in the ore shoot exposed in adit), although due to the terrain it could not be carefully examined for its entire length. The applicant claims to have traced the structure over 1,500 feet to a point about 100 feet from the lower adit. What the applicant has done is project the structure that distance, as after the fault leaves the creek below the adit it is covered with overburden. Two pits near the middle of the Diamond Mine claim are supposidly on the fault. A fault up to 5 feet in width (sparsely mineralized) is exposed in the creek some 500 feet below the upper adit. The applicant believes that this is the same fault exposed in the adit. It has a slightly different strike (N. 68° E. as compared to N. 80° E. for structure in upper adit) and appears to be one of a series of parallel faults which may be observed in the creek. Unfortunately, water was toohigh in the creek to allow the tracing out of the faults.

The ore shoot varies from 0.5 to 1.5 feet in width and contains pyrite, chalcopyrite, galena and sphalerite. Reportedly it assays from $20 to $220 per ton with the greatest value in silver. At the portal the ore shoot on the adit level is 1.0 feet in width; 10 feet above the level it narrows to 0.5 feet in width. Two samples of the ore shoot and one of the hanging wall rock were taken. Assays have not yet been received of the ore samples. The sample of the wall rock, EAM-51, contained the following as shown by a spectrographic analysis:

Over 10 %	0.1 to 1.0 %
Aluminum	Manganese
Calcium	
Iron	0.01 to 0.1 %
Silica	Copper
	Chromium
5 to 10 %	Cobalt
Magnesium	Nickel
	Titanium
	Vanadium
	Boron

The applicant states that a sample taken from the hanging wall of the fault exposed in the creek several hundred feet below the upper adit assayed 2 percent tin. Unfortunately, the spot where he took his sample is now covered by a rock slide. In the spectrographic analysis of the hanging wall rock at the adit no tin was detected.

In the lower adit (see attached map) the country rock is a diorite dike exposed near the face. There is no metallization. This adit was driven some 60 years ago, apparently in an attempt to intersect the structure exposed in the upper adit.

RESERVES

In the ore shoot at the upper adit level there is an estimated reserve of about 100 tons of indicated ore. Analytical results of samples taken on this level have not as yet been received, but it is estimated that the average grade will be about 10 percent combined lead, zinc, and copper. It appears that the upper adit workings have pretty well exposed the lateral limits of the ore shoot and there is evidence to indicate that it narrows rapidly above the level. It is assumed that the same feature will take place below the adit level.

PAST OPERATION

The Diamond Mine claim was located June 16, 1891 and all the development work presently exposed was completed by the fall of 1892. The claims lay idle until the mine-to-market road was constructed to the lower adit in 1952.

There has been no production from the property.

MANPOWER & SUPPLIES

Manpower and supplies are available in the area. Living quarters would have to be constructed if work were undertaken. There is ample water for any purpose. Power would have to be furnished by portable Diesel or gasoline power units.

APPLICANT'S PROPOSAL

The applicant proposes to enlarge the present 50-foot lower adit and then extend it another 55 feet to intersect the projection of the ore structure exposed in the lower adit. After intersecting the ore structure the applicant proposes to drift about 350 feet in search of an ore shoot. The construction of a cabin for living quarters with attached shop is also proposed. Total cost of the program as estimated by the applicant is $13,277.00.

DISCUSSION

The program proposed by the applicant is not considered feasible. The adit which the applicant proposes to extend is 1,800 feet west of and 1,200 feet lower in elevation than the ore shoot exposed in the upper workings. There is little evidence to indicate that the structure would be mineralized over this distance or even that it extends that far.

The ore shoot in the upper adit would appear to warrant a drift driven at a point about 50 feet below the upper adit, or some diamond drilling in the immediate vicinity to probe for extensions. However, work in the vicinity of the upper adit would be expensive because of the steep terrain. Construction of a road does not appear to be warranted with the present exposures.

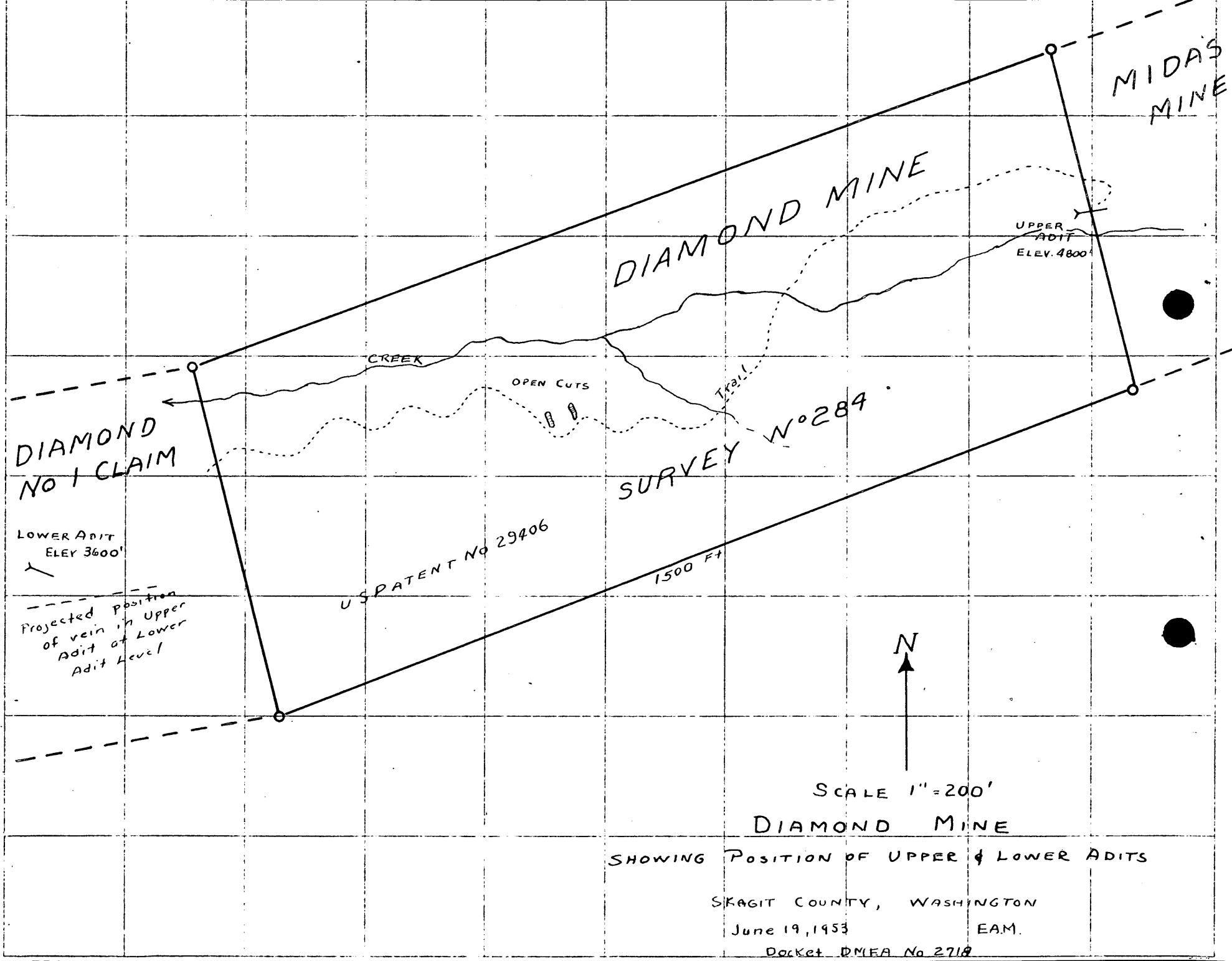
The applicant stated he was not interested in diamond drilling in an attempt to trace the structure westward from the upper adit. Neither is he interested in doing any work in the vicinity of the upper adit, because 10 feet inside the portal the end line of the Diamond Mine claim is crossed and the adit passes into the Midas Mine claim which is owned by another person.

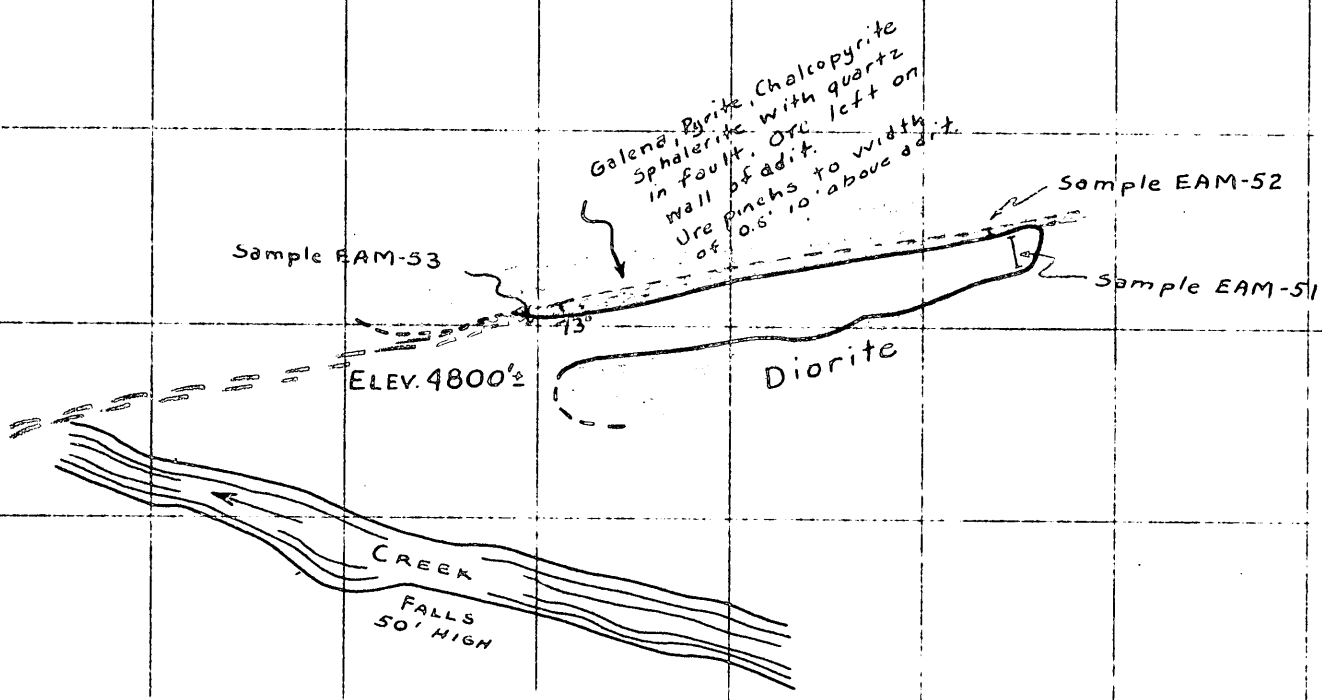
The applicant stated that if he didn't receive a loan from the DMEA he would carry out the proposed program at his own expense. He was advised that before he drove any additional crosscut he should at least make an open cut at the point on a small creek about 100 feet above the lower adit where he believes the vein structure crosses.

cc: Orig & 3-Wash
2-USGS
DMEA
M/D
EAM

E. A. Magill

EAMagill


MIDAS MINE
DIAMOND MINE
UPPER ADIT
ELEV. 4800'
CREEK
OPEN CUTS
TRAIL
DIAMOND NO 1 CLAIM
SURVEY No 284
LOWER ADIT
ELEV 3600'
U S PATENT No 29406
1500 Ft
Projected position of vein in Upper Adit at Lower Adit Level
N
SCALE 1" = 200'
DIAMOND MINE
SHOWING POSITION OF UPPER & LOWER ADITS
SKAGIT COUNTY, WASHINGTON
June 19, 1953
E.A.M.
Docket DMEA No 2718



N

Scale 1" = 20'

ASSAY DATA						
SAMPLE	WIDTH	OZ PER TON		PERCENT		
NO.	FEET	AU	AG	CU	PB	ZN
EAM-51	4.0					
EAM-52	0.8					
EAM-53	1.3					

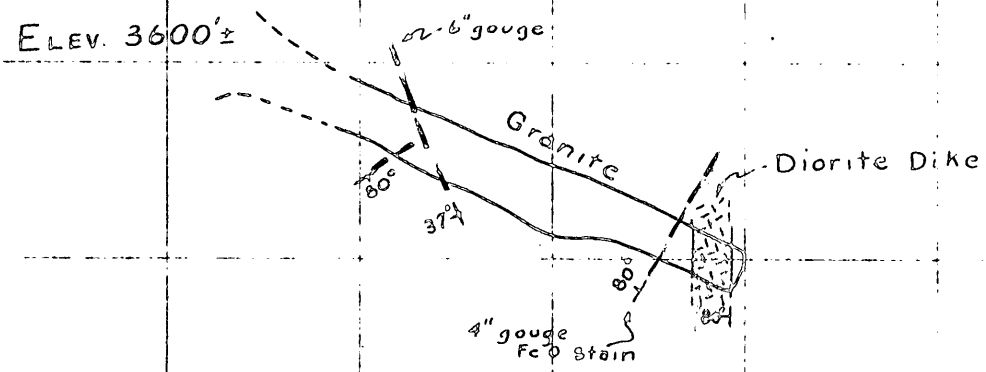
DIAMOND MINE
UPPER ADIT

SKAGIT COUNTY, WASH

June 11, 1953 E.A.M.

Docket DMEA No. 2718 Cu. Pb & Zn

"ALBANENE" No. 195M K&E CO., N.Y.
REG. U.S. PAT. OFF.



Scale 1" = 20'

DIAMOND No 1 CLAIM
LOWER ADIT

SKAGIT COUNTY, WASHINGTON

June 11, 1953 E.A.M.

Docket DMEA No 2718 Cu-Pb-Zn

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

1201 N. Division St.
Spokane 2, Washington
July 21, 1953

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

Subject: Docket No. DMEA ~~2178~~ 2778
(copper-lead-zinc)
William R. Soren
Diamond Mine
Skagit County, Washington

Dear Mr. Selfridge:

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The examining engineer believes that the proposed work is too far from the present exposures, and as the applicant is not interested in conducting exploration in the vicinity of the exposed ore the examining engineer recommends that the application be denied. The Field Team concurs with this recommendation.

By Field Team, Region II

M. E. Volin, Acting Exec. Officer
U. S. Bureau of Mines

J. J. Quinlan, Acting Member
U. S. Geological Survey

Enclosure

Reviewed by
DMEA OPERATING COMMITTEE
7-31-53
(date)

cc: DMEA, Wash. (3)
USGS (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D. C.~~
1201 N. Division St.
Spokane 2, Washington

July 15, 1953

MEMORANDUM

To: DMEA Field Team, Region II

From: E. A. Magill, Mining Engineer, Region II

Subject: Exploration application, William R. Soren (Diamond mine) Skagit County, Washington, Docket DMEA ~~2176~~ 2718 (Cu, Pb, Zn)

APPLICANT

The applicant is William R. Soren, Route 1, Sedro Woolley, Washington.

RECOMMENDATION

It is recommended that the applicant's request for an exploration project in the amount of $13,277.00 on the Diamond mine be denied.

EXAMINATION

The Diamond mine was examined on June 11, 1953; six hours were spent on the property in company with Mr. William Soren, the owner.

LOCATION OF PROPERTY

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The property is accessible for less than six months of the year. Heavy snowfalls during the remainder of the year make the road impassable.

COMPETENCE OF APPLICANT

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Reviewed by
DMEA OPERATING COMMITTEE
7-31-53
(date)

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There are no buildings on the property. In 1952, under the State of Washington mine-to-market road program, a road was constructed to the lower adit on the Diamond No. 1 claim. This 50-foot adit is at an elevation of about 3,600 feet (see attached map). The other 50-foot adit (upper adit) is on the Diamond Mine claim at an elevation of about 4,800 feet and is reached by trail from the lower adit.

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GEOLOGY

The Diamond mine is in a transitional contact zone between a series of older metamorphic rocks and granitic rocks which are part of the batholith which forms the core of the Cascades. Relic structures from the older rocks may be recognized in the granite. There are numerous fine grained basic dikes of varying widths exposed in the area.

The upper adit (see attached map) driven in diorite, exposes an ore shoot at least 50 feet in length in a fault which strikes N. 80° E. and dips 73° south. This fault can be traced on the surface southwestward for several hundred feet. The fault does not appear to be mineralized (except in the ore shoot exposed in adit), although due to the terrain it could not be carefully examined for its entire length. The applicant claims to have traced the structure over 1,500 feet to a point about 100 feet from the lower adit. What the applicant has done is project the structure that distance, as after the fault leaves the creek below the adit it is covered with overburden. Two pits near the middle of the Diamond Mine claim are supposidly on the fault. A fault up to 5 feet in width (sparsely mineralized) is exposed in the creek some 500 feet below the upper adit. The applicant believes that this is the same fault exposed in the adit. It has a slightly different strike (N. 68° E. as compared to N. 80° E. for structure in upper adit) and appears to be one of a series of parallel faults which may be observed in the creek. Unfortunately, water was toohigh in the creek to allow the tracing out of the faults.

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Iron	0.01 to 0.1 %
Silica	Copper
	Chromium
5 to 10 %	Cobalt
Magnesium	Nickel
	Titanium
	Vanadium
	Boron

The applicant states that a sample taken from the hanging wall of the fault exposed in the creek several hundred feet below the upper adit assayed 2 percent tin. Unfortunately, the spot where he took his sample is now covered by a rock slide. In the spectrographic analysis of the hanging wall rock at the adit no tin was detected.

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PAST OPERATION

The Diamond Mine claim was located June 16, 1891 and all the development work presently exposed was completed by the fall of 1892. The claims lay idle until the mine-to-market road was constructed to the lower adit in 1952.

There has been no production from the property.

MANPOWER & SUPPLIES

Manpower and supplies are available in the area. Living quarters would have to be constructed if work were undertaken. There is ample water for any purpose. Power would have to be furnished by portable Diesel or gasoline power units.

APPLICANT'S PROPOSAL

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DISCUSSION

The program proposed by the applicant is not considered feasible. The adit which the applicant proposes to extend is 1,800 feet west of and 1,200 feet lower in elevation than the ore shoot exposed in the upper workings. There is little evidence to indicate that the structure would be mineralized over this distance or even that it extends that far.

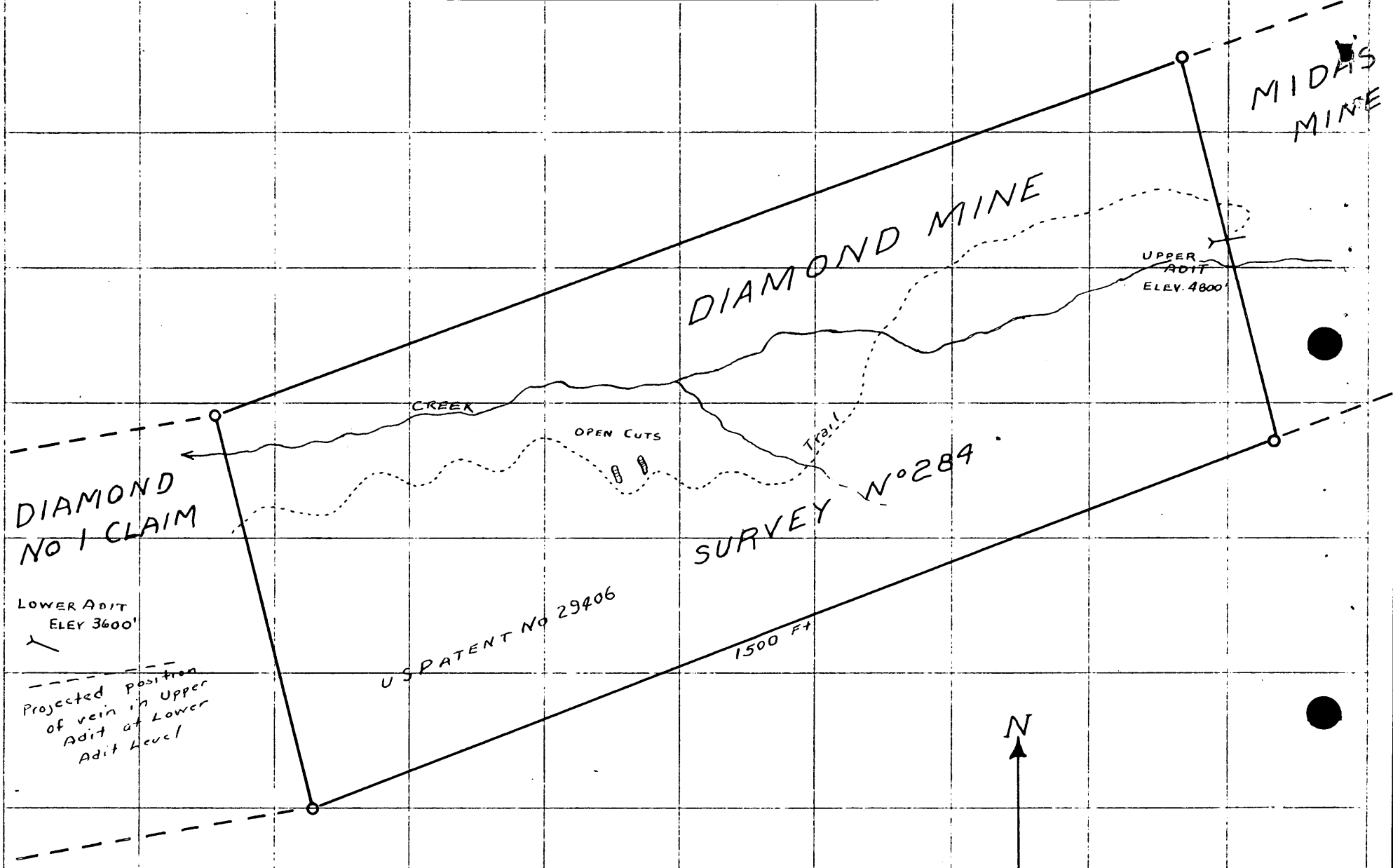
The ore shoot in the upper adit would appear to warrant a drift driven at a point about 50 feet below the upper adit, or some diamond drilling in the immediate vicinity to probe for extensions. However, work in the vicinity of the upper adit would be expensive because of the steep terrain. Construction of a road does not appear to be warranted with the present exposures.

The applicant stated he was not interested in diamond drilling in an attempt to trace the structure westward from the upper adit. Neither is he interested in doing any work in the vicinity of the upper adit, because 10 feet inside the portal the end line of the Diamond Mine claim is crossed and the adit passes into the Midas Mine claim which is owned by another person.

The applicant stated that if he didn't receive a loan from the DMEA he would carry out the proposed program at his own expense. He was advised that before he drove any additional crosscut he should at least make an open cut at the point on a small creek about 100 feet above the lower adit where he believes the vein structure crosses.

E. A. Magill

cc: Orig & 3-Wash
2-USGS
DMEA
M/D
EAM



SCALE 1" = 200'

DIAMOND MINE

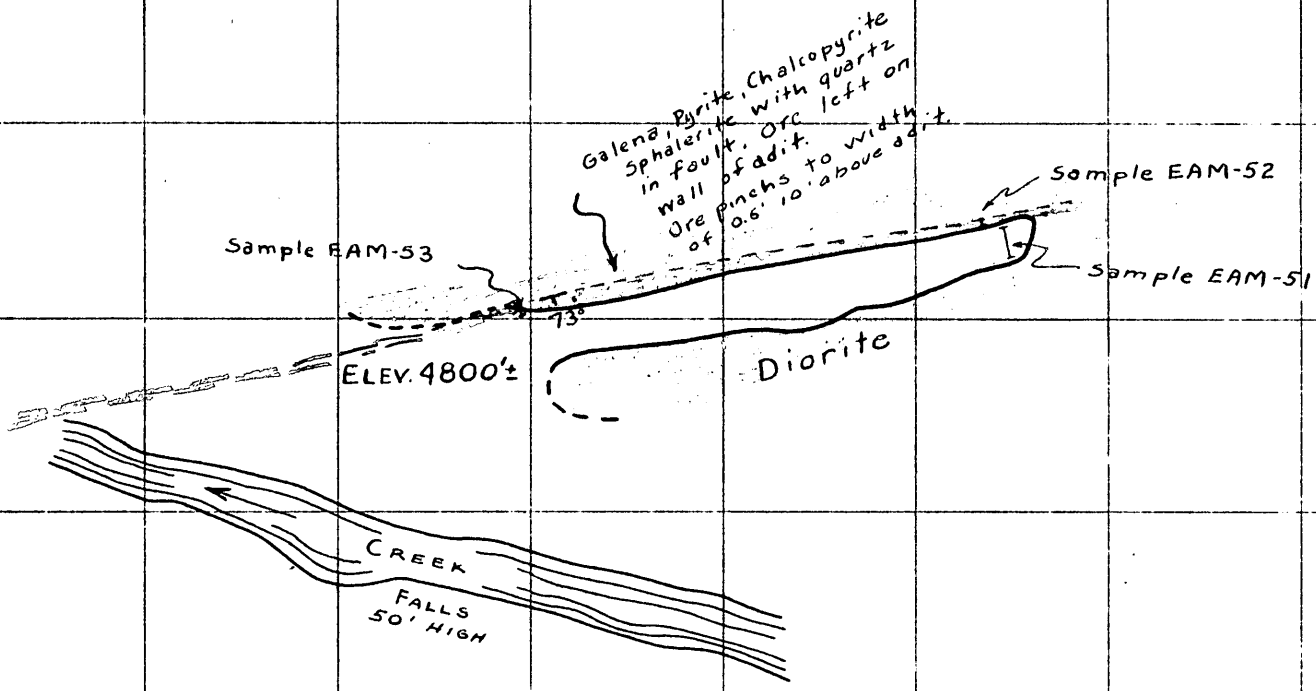
SHOWING POSITION OF UPPER & LOWER ADITS

SKAGIT COUNTY, WASHINGTON

June 19, 1953 EAM.

Docket DMEA No 2718

"ALDANENE" No. 195M KALCO, N.Y.
DCG-U.S. PAT. OFF.



N

Scale 1" = 20'

ASSAY DATA						
SAMPLE	WIDTH	OZ PER TON		PERCENT		
No.	FEET	AU	AG	CU	Pb	ZN
EAM-51	4.0					
EAM-52	0.8					
EAM-53	1.3					

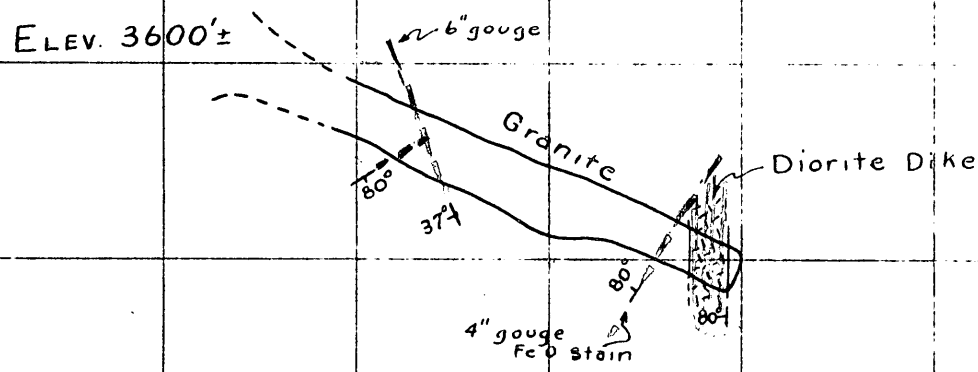
DIAMOND MINE
UPPER ADIT

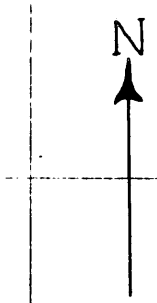
SKAGIT COUNTY, WASH

June 11, 1953 E.A.M.

Docket DMEA No. 2718 Cu. Pb, Zn

"ALBANENE" No. 166M K&E CO., N.Y.
REG. U.S. PAT. OFF.





Scale 1" = 20'

DIAMOND No 1 CLAIM
LOWER ADIT

SKAGIT COUNTY, WASHINGTON

June 11, 1953 E.A.M.

Docket DMEA No 2718 Cu-Pb-Zn

"ALBANENE" No. 1963 REG. U.S. PAT. OFF

2/24/53 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

February 13, 1953

FEB 20 1953

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

Re: Docket DMEA-2718
W. R. Soren
Skagit County, Washington

Dear Mr. Selfridge:

Reference is made to your letter of February 9 in which you suggest an examination be made of Mr. Soren's property, if we have a field man in that area.

We are informed that the Soren property will be inaccessible until early summer. However, as we have a contract with the Johnsburg property, which is in that area, we will make an attempt to examine the Soren property at the same time we make the next visit to the Johnsburg property. We are advising Mr. Soren to inform us when his property will be accessible.

Sincerely yours,

Thor H. Kiilsgaard

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D. C.~~
So. 157 Howard Street
Spokane 4, Washington

February 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

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Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

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Sincerely yours,

Thor H. Kiilsgaard
For: A. S. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: UEBM (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

February 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 20 1953

Mr. William R. Soren
Route No. 1
Sedro Woolley, Washington

Re: Docket DMEA-2718

Dear Mr. Soren:

We have been advised to conduct a field examination of your Diamond Claim property, and would appreciate your advising us when this property will be accessible.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Puffett

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

February 13, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
WASHINGTON
FEB 20 1953

Mr. William H. Soren
Route No. 1
Sedro Woolley, Washington

Re: Docket DMEA-2715

Dear Mr. Soren:

We have been advised to conduct a field examination of your Diamond Claim property, and would appreciate your advising us when this property will be accessible.

Sincerely yours,

Thor H. Kiilsgaard
For: A. C. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Puffett

FILE COPY
SURNAME:

Schmidt
Ellis
Selfridge

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

Mr. F. E. Weissenborn
Executive Officer, Region II
Field Team
South 157 Howard Street
Spokane 8, Washington

FEB 9 1953

Re: Docket No. [illegible]-2718 (Copper)
N. E. Loren
Diamond Claim
Skagit County, Washington

Dear Mr. Weissenborn:

The subject application is referred to you for a field team examination. The application is very unsatisfactory as is the applicant's reply to your letter of September 25, 1952. It is suggested that since the data failed to describe anything promising, that the application does not justify a special field trip. However, should you find it convenient when one of your engineers is in that vicinity to have the property examined, it would be well to look further into this matter before making any further decision.

J.C. 2/9/53

Sincerely yours,

George C. Selfridge (216)

Chairman, Operating Committee

FSchmidt/jem
2/6/53
cc to: Adm. Reading File
Docket
Messrs. CHJohnson-3621
AWKinkel-4234 GSA
Opr. Com. Ellis Schmidt
Field Team, Region II

Advisers:

J. M. Hedges (216)
Member, Bureau of Mines

A. R. Kinkel, Jr. (216)
Member, Geological Survey

FILE COPY
SURNAME: 100

Schmidt
Ellis
Kimbrel
Hodges

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

Mr. William R. Loren
Route #1
Sedro Woolley, Washington

FEB 6 1953

Re: Docket No. DMEA-2718 (Copper)
Diamond Claim
Skagit County, Washington

J.C. 2/9/53

Dear Mr. Loren:

The application for assistance in exploring your property in Skagit County, Washington, under the above captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. Your application has been referred for a field examination to the Executive Officer of Region II at the following address:

Mr. A. E. Weissenborn
Executive Officer, Region II
DMEA Field Team
South 157 Howard Street
Spokane 8, Washington

The Regional Office will contact you at the earliest opportunity in regard to your project.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FSchmidt/jem
2/6/53
cc to: Adm. Reading File
Docket
Ellis
Schmidt
Field Team, Region II (2)

DMEA 2718 copper Soren

2/5/53

Weissenborn says to write him a field referral and word it so that he does not have to send a field party there immediately because of weather and for him to send engineers there if they are in the vicinity.

Letter of Weissenborn 9/25/52 quote
We will contact the operator in order to determine where the property is and if we have a man in the area, we will make an examination.

An attempt has been made by Weissenborn to get further information but as he says this is apparently the best we can get.

Schmidt

2/3/53 [illegible]

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

February 2, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2718 (Copper), W. R. Soren, Diamond Claim, Skagit County, Washington

I have a copy of the supplemental sketch submitted by the applicant and forwarded to you by the Field Team December 17, 1952. It is suggested that the Field Team be requested to have the prospect examined when conditions permit.

C. H. Johnson

C. H. Johnson

Copy to - Mr. Kinkel, USGS - Room 4234
Minerals Division
Base Metals Branch
Mr. Johnson
Files

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

February 2, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 3 1953

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2718 (Copper), W. R. Soren, Diamond Claim, Skagit County, Washington

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C. H. Johnson

C. H. Johnson

CHJohnson:ks

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Minerals Division
Base Metals Branch
Mr. Johnson
Files

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

February 2, 1953

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From: C. H. Johnson, Bureau of Mines

Subject: DMEA-2718 (Copper), W. R. Soren, Diamond Claim, Skagit County, Washington

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C. H. Johnson

CHJohnson:ks

Copy to - Mr. Kinkel, USGS - Room 4234
Minerals Division
Base Metals Branch
Mr. Johnson
Files

12/29/52 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~
So. 157 Howard Street
Spokane 4, Washington

December 17, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 23 1952

Mr. F. E. Johnson, Chairman
Operating Committee, DMEA
Washington 25, D. C.

Re: Docket No. DMEA-2718
Skagit County, Washington

Dear Mr. Johnson:

Enclosed are three copies of additional information concerning the application of William Soren, Sedro Woolley, Washington, concerning the Diamond No. 1 and Diamond claims. The original application was forwarded to your office September 25, 1952, with an attached copy of the letter to Mr. Soren requesting this additional information. Although this added information is not as detailed as we'd like, it apparently represents the best the applicant can do.

The property on which the proposed work is to be done is at a considerable altitude on the west side of the Cascades. In all probability much snow now occurs there and consequently, we believe that a field examination cannot be made of the property until next spring.

Yours very truly

A. E. Weissenborn

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

Enclosure 1 (in trip.)
cc: USBM (2)
Puffett

DMEA- 2718
Exploration Assistance
Diamond#1 & Diamond.

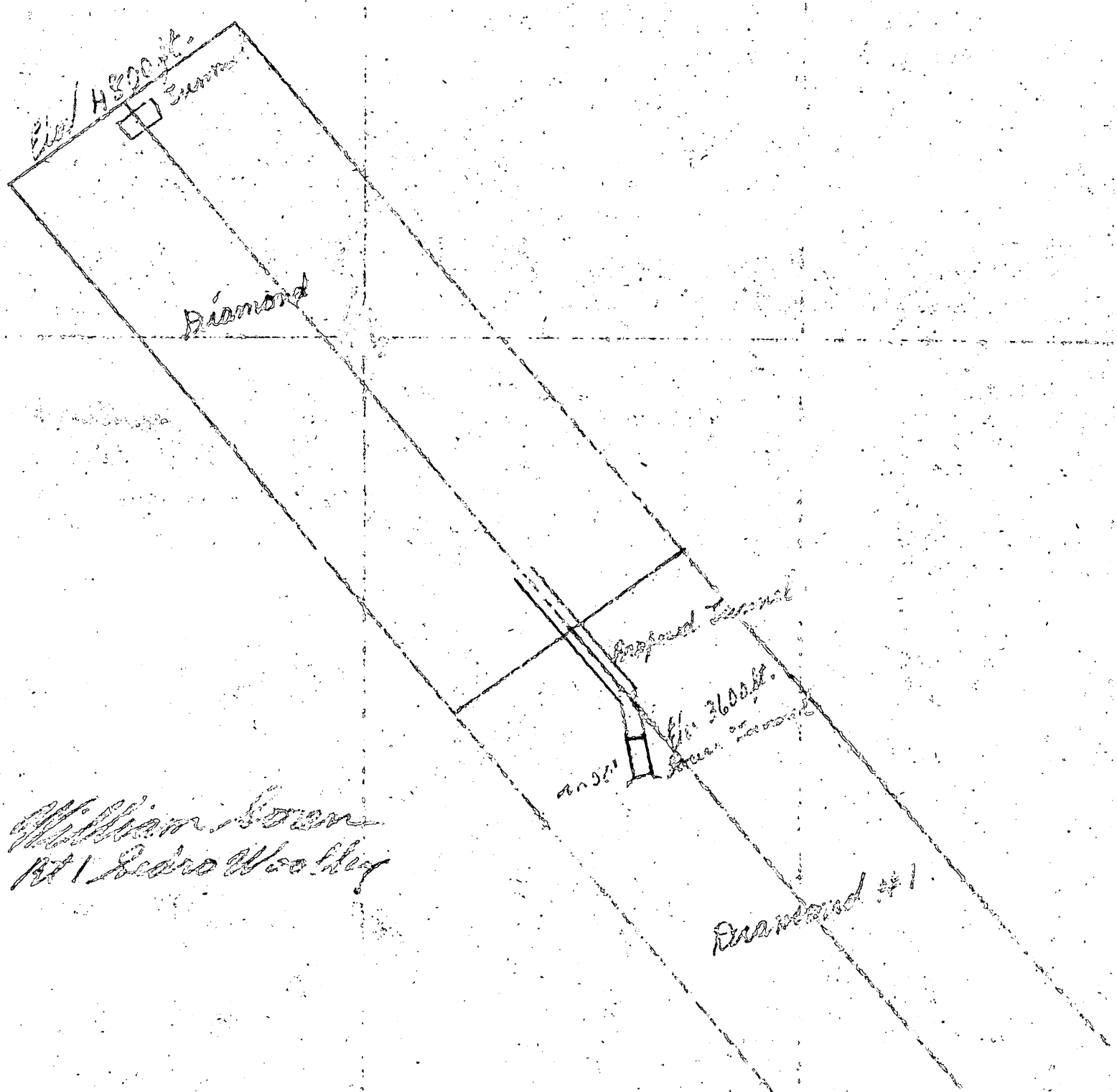
A.E.Weissenborn
Executive Officer, DMEA
Field team, Region 11

Dear Sir;

The Diamond Mine lies in Sec 26, Twp. 24 Range 73 R.W M.
It is a Mesothermal Vein With Granodrite on the walls.
The Vein is 24 inches wide With one wall Mineralized about 4 ft.
The upper Tunnel is 4800 Ft El, The Lower Tunnel is about 3600 Ft, El.
The distance Between the Two Tunnels is 1835.49,.

The Minerals In the Vein consists of Copper, Zinc, Lead, Tin, Silver, Gold, Quartz Mitrix.

The Ore In the Tunnel Assayed $48.00 In 1938, at the 4800Ft, Elevation,



William Dean
Box 1 Idaho Wardley

This letter acknowledges receipt of the above captioned application dated September 20, 1951 which undoubtedly should have been 1952. This application cannot be processed in its present incomplete condition.

Dear Mr. Soren;

This acknowldeges receipt of the above captioned application dated September 20, 1951 undoubtedly should have been 1952. This application cannot be processed in its present incomplete condition.

One of the most important parts of the application Form M.F. 103 is covered by questions 4 and 5 which must be answered fully. They require the submission of data on which the merits of your application can be analysed. Whether this application can be processsed any further depends largely on a satisfactory presentation of the facts that are to justify Government participation in this exploration project.

It is impossible to determine from this application what work is to be done and its location. Also whether the proposed work is adapted to explore the mineral showings. Furthermore you should submit what evidence you have that there is sufficient mineralization to justify exploration. ~~there should~~ A map should be provided showing the mining claims, present workings, mineral showings, assays, location of the proposed work and how it would serve to explore the mineral deposit. Assays showing the values of tin would be of ~~important~~ great interest.

When we are provided with the desired information in original and 3 copies they will be attached as supplements to your application Form M.F. 103 We will then proceed with the processing of the application.

Sch.

12/15/52 rgla

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

So. 157 Howard Street
Spokane 4, Washington

December 8, 1952

Docket DMEA-2718

Mr. William R. Soren
Route 1
Sedro Woolley, Washington

Dear Mr. Soren:

Your attention is directed to a letter from this office dated September 25, 1952, in which we requested additional information pertaining to your application for a DMEA contract. This information has not been received as of this date. If the information is not forthcoming within 30 days it will be assumed that you are no longer interested in a DMEA contract and it will be recommended that your application be removed from the active files.

Sincerely yours,

Thor H. Kiilsgaard
For: A. E Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2)
USBM (2)
Puffett

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

[redacted]
So 157 Howard Street
Spokane 4, Washington

December 8, 1952

Mr. William R. Soren
Route 1
Sedro Woolley, Washington

Docket DMEA-2718

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Sincerely yours,

Thor H. Killagaard
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: DMEA (2) ✓
USBM (2)
Puffett

10/7/52 gla

IN REPLY REFER TO:

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

October 6, 1952

Re: DMEA-2718
William R. Soren
Route 1
Sedro Woolley, Washington
$13,277
Cu-Pb-Zn-Sn

Memorandum

To: Mr. E. Wm. Ellis

From: E. L. Newcomb

Subject: Review of application

The applicant requests Government assistance for the exploration of the Diamond No. 1 and Diamond mine claims. The location of the prospect and details of the proposed work are not given in the application.

A copy of the application has been retained by the field team. They state that a letter has been sent to the applicant requesting additional information. If a field team representative is in the area, a field examination will be made.

We are returning the application to your office, but will further review the applicant's proposal after you receive additional information or an examination report from the field team.

E. L. Newcomb

E. L. Newcomb
Geologist

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

October 6, 1952

Re: DMEA-2718
William R. Soren
Route 1
Sedro Woolley, Washington
$13,277
Cu-Pb-Zn-Sn

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Geologist

10/7/52 gla

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

DEPARTMENT OF THE INTERIOR
Bureau of Mines Administration
RECEIVED
OCT 6 1952

October 3, 1952

Memorandum

To: E. W. Ellis, DMEA

From: C. H. Johnson, Base Metals Branch

Subject: DMEA-2718 (Copper) W. R. Soren, Diamond prospect, Skagit County, Washington

I suggest the applicant be asked to submit further explanation and justification for his project, before a field examination is requested. Applicant only mentions a tunnel "showing good mineral," with no reference whatever to its grade or extent. His cost estimate indicates the intention of driving 400 feet of tunnel, but he does not say where. Only by implication does it appear that the work will be the extension of the lower "40 ft. crosscut tunnel in 50 ft. but still lacks about 35 ft. of completion to intersect the vein."

As the application does not say where the property is, but gives the patent number of the Diamond claim, I looked up the patent plat and survey notes in the Bureau of Land Management. The survey, made in 1892, shows the claim to be in the "Cascade Mining District" in Skagit County. The survey notes state that the location is about a mile north of Cascade Creek about 2 miles west of the summit of Cascade Pass. It lies 4,000 to 4,800 above sea level, centered on a vein striking roughly southwest-northeast, the west end of the claim being the lower. The Diamond is the westward extension of the Midas claim and is on the same vein. (The Diamond, Midas and several other claims all were acquired by the Silver Queen Mining Company in 1892-3; the Midas and others presumably also were patented.) The southern half of the claim was largely covered by glacial moraine, rock slides, and belts of timber. The northern portion was brushy and featured by smooth, inaccessible glaciated rock exposures, especially in the northwest corner where the creek lies deep between smooth steep rock walls. The schists seen at the Midas disappear going west and "the underlying granites become exposed." The creek follows the course of the vein west from the Midas line, the vein showing in the bottom and sides of the creek, but beyond that the creek deflects northward and the vein is lost under debris. "At the extreme eastern end of location a tunnel shows the vein dipping slightly to the south with about 18 inches

of good argentiferous galena on the footwall. At 10 ft. from the face (sic) this tunnel enters the Midas location and is extended 40 ft. into that mine. Several minor excavations have been made on the line of the vein farther west but have not yet got through the surface debris." The patent notes also explain that because of the inaccessibility of the discovery showing, the creek flowing over the vein, the steepness of the slopes, and the deep snow in winter, the low level tunnel was started at a point 345 feet west of the west end line of the claim, to intersect the vein, with the intention of drifting on it eastward toward the Diamond-Midas tunnel. The low tunnel was then 50 ft. long.

From the present application it appears nothing has been done to explore this prospect since 1892. The patent plat shows the two tunnels, and the opencuts in the middle of the claim along the creek. The low level tunnel still is just 40 or 50 feet long, and still lies some 1,800 feet from the only reported mineralization and some 800 feet lower.

I think, before a field examination is requested, the applicant should be asked if he has sampled the showing in the upper tunnel or the vein where exposed along the creek, if so what the lengths and widths and lead content were; also, to furnish some explanation of the estimated 35 feet remaining to go to hit the vein; and to sketch the 400 feet of proposed underground exploration. He should also be asked, as a matter of form, just where his property is, and how one gets to it.

Maybe a road into the country makes an 18-inch vein of galena worth exploring now when it was not previously, but unless something more is showing than in the one tunnel, the proposal for a distant deep-level adit does not seem to me to have any justification. It's a long trip up there from Spokane, so a field examination shouldn't be called for unless justified.

The application is returned herewith.

C. H. Johnson

C. H. Johnson

Attachment

Copy to - Minerals Division
Base Metals Branch
N. E. Nelson, USGS
C. H. Johnson
Files

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED

October 30 1952

Memorandum

To: T. L. Ellis, DMA

From: C. H. Johnson, Base Metals Branch

Subject: TMFA-2715 (Copper) A. R. Soren, Diamond prospect, Skagit County, Washington

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The application is returned herewith.

C. H. Johnson

C. H. Johnson

Attachment

CHJohnson:ks

Copy to - Minerals Division
Base Metals Branch
W. F. Nelson, USGS
C. H. Johnson
Files

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

October 3, 1952

Memorandum

To: [illegible] Ellis, [illegible]

From: [illegible] Johnson, Base Metals Branch

Subject: [illegible]A-2718 (Copper) [illegible] Torva, Diamond prospect, Skagit County, Washington

I suggest the applicant be asked to submit further explanation and justification for his project, before a field examination is requested. Applicant only mentions a tunnel "showing good mineral," with no reference whatever to its grade or extent. His cost estimate indicates the intention of driving 400 feet of tunnel, but he does not say where. Only by implication does it appear that the work will be the extension of the lower "40 ft. crosscut tunnel in 50 ft. but still lacks about 35 ft. of completion to intersect the vein."

As the application does not say where the property is, but gives the patent number of the Diamond claim, I looked at the patent plat and survey notes in the Bureau of Land Management. The survey, made in 1892, shows the claim to be in the "Cascade Mining District" in Skagit County. The survey notes state that the location is about a mile north of Cascade Creek about 2 miles west of the summit of Cascade Pass. It lies 4,000 to 4,300 above sea level, centered on a vein striking roughly southwest-northeast, the west end of the claim being the lower. The Diamond is the westward extension of the Midas claim and is on the same vein. (The Diamond, Midas and several other claims all were acquired by the Silver Queen Mining Company in 1892-3; the Midas and others presumably also were patented.) The southern half of the claim was largely covered by glacial moraine, rock slides, and belts of timber. The northern portion was brushy and featured by smooth, inaccessible glaciated rock exposures, especially in the northwest corner where the creek lies deep between smooth steep rock walls. The schists seen at the Midas disappear going west and "the underlying granites become exposed." The creek follows the course of the vein west from the Midas line, the vein showing in the bottom and sides of the creek, but "every" that the creek deflects northward and the vein is lost under debris. "At the extreme eastern end of location a tunnel shows the vein dipping slightly to the south with about 18 inches

of good argentiferous galena on the footwall. At 10 ft. from the face (sic) this tunnel enters the Midas location and is extended 40 ft. into that mine. Several minor excavations have been made on the line of the vein farther west that have not yet got through the surface debris." The patent notes also explain that because of the inaccessibility of the discovery showing, the creek flowing over the vein, the steepness of the slopes, and the deep snow in winter, the low level tunnel was started at a point 315 feet west of the west end line of the claim, to intersect the vein, with the intention of drifting on it eastward toward the Diamond-Midas tunnel. The low tunnel was then 50 ft. long.

From the present application it appears nothing has been done to explore this prospect since 1892. The patent plat shows the two tunnels, and the opencuts in the middle of the claim along the creek. The low level tunnel still is just 40 or 50 feet long, and still lies some 1,300 feet from the only reported mineralization and some 300 feet lower.

I think, before a field examination is requested, the applicant should be asked if he has sampled the showing in the upper tunnel or the vein where exposed along the creek, if so what the lengths and widths and lead content were; also, to furnish some explanation of the estimated 35 feet remaining to go to hit the vein; and to sketch the 400 feet of proposed underground exploration. He should also be asked, as a matter of form, just where his property is, and how one gets to it.

Maybe a road into the country makes an 18-inch vein of galena worth exploring now when it was not previously, but unless something more is showing than in the one tunnel, the proposal for a distant deep-level adit does not seem to me to have any justification. It's a long trip up there from Spokane, so a field examination shouldn't be called for unless justified.

The application is returned herewith.

E. H. Johnson

C. H. Johnson

Attachment

CHJohnson:ks
Copy to - Minerals Division
Base Metals Branch
W. A. Nelson, USGS
C. H. Johnson
Files

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

So. 157 Howard Street
Spokane 4, Washington

September 25, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

Mr. William R. Soren
Route No. 1
Sedro Woolley, Washington

Dear Mr. Soren:

We have received your application for exploration assistance on your property known as the Diamond No. 1 and Diamond Mine Claims. You do not, however, state where the property is located nor do you furnish any maps or reports describing the geology or describing the mineral occurrences. Furthermore, the information you give on the proposed exploration is insufficient for us to determine much concerning the merits of the proposal. If you will let us have the location of the property and a further description of what you propose to do together with maps showing the geology and such assays as may be available, we would be in a better position to appraise your proposal.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Puffett

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

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

So. 157 Howard Street
Spokane 4, Washington

September 25, 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

Dear Mr. Johnson:

Enclosed are three copies of an application submitted by William R. Soren, Route No. 1, Sedro Woolley, Washington, for the exploration of a copper-lead-zinc-tin prospect known as the Diamond Mine. It is not stated where the property is located. A copy of the application has been retained here. We will contact the operator in order to determine where the property is and if we have a man in the area, we will make an examination.

Sincerely yours,

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

cc: USBM (2)
Puffett

P.S. Attached are copies of a letter we have written to the applicant asking for more information in order to better evaluate the application.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
So. 157 Howard Street
Spokane 4, Washington

Dmea-2718

September 25, 1952

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

Mr. Frank E. Johnson, Chairman
Operating Committee, DMEA
Department of the Interior
Washington 25, D. C.

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A. E. Weissenborn

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Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Puffett

P.S. Attached are copies of a letter we have written to the applicant asking for more information in order to better evaluate the application.

September 30, 1952

Mr. William R. Soren
Route # 1
Sedro Woolley, Washington

Subject: DMEA-2718
Re: Exploration Assistance
Diamond #1 & Diamond

My dear Mr. Soren:

The receipt of your application dated September 20, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2718 and referred to the Rare & Miscellaneous Metals Division.

Kindly refer to DMEA-2718 in any future correspondence relating to your application.

Sincerely yours,

R. E. ADAMS

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

25451

[illegible]F-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

SEP 25 1952

U.S. GEOLOGICAL SURVEY
SPOKANE, WASH.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

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

Project No. Dmea - 2718
Metal or Mineral
Date Received 9-29-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address WILLIAM R. SOREN
ROUTE # 1
OKEDO WOOLLEY
WASH.

(*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 DIAMOND #1 and DIAMOND MTS
OWN.

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

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. DIAMOND #1 Unpatented, Vol. 9 Page 401 July 28, 1951

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 COPPER, LEAD, ZINC, TIN,

(*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 30 days and be completed within 20 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.). None

(*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)? Yes

(*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 September 20, 195~~1~~ 1952

William Soren
(Applicant)

By Wm Soren

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

3,b. Diamond Pat. #23486. survey #234

4. A tunnel 45ft. long on the extreme upper end of claim showing good mineral, 545ft cut in creek on upper end of claim one 10ft open cut about 745ft. from the tunnel.
A new road completed this year the lower end where there is a 40ft. crosscut tunnel in 50ft. but still leaks about 35 ft of completion to intersect the Vein This lower tunnel id 345ft. below the Diamond Pat. Claim and is on a located Claim called Diamond #1.Claim.

d. This property and the property above will have to be operated from this lower elevation acc. of snow slides and heavy snow this tunnel is about 4000ft. elev. where the ore showing is 4800ft elev. Ore is Copper,Lead,Zinc,Tin,
Shipping distance 22 miles truck haul to railroad

e. Gen power good, Laterals good, Own Equipment, otor power on property.

5

d.I am well experienced in Mines operation.

6

400ft. Tunnel @ 25.00 per ft.	$ 10.000.00
400Ft. 1" pipe @ .24 " "	96.00
400Ft. Air Pipe Ventilation	1.385.00
400Ft. ½ " Pipe Water Drilling	51.00
1 Cabin and work shop	800.00
50Ft. Enlarging 50FT present Tunnel	500.00
1150 gl. Gas @ .30	345.00
100 Oil @ $ 100.	100.00
	$ 13,277.00 $ 13.2770

b Own labor @ 20.00 per day
Miners Labor 16.50
Common Labor 13.20

d Rental Equipment

Air Compressor	$ 2.50 per hr.
Truck	2.50
Shovel Tractor	2.50

e None

f Cabin and utility shed and shop $ 800.00

6.

G Pay roll taxes

Ind. Insurance	.0410
Ind. Aid	.033
Employment Fee.	2.7
Employment Tax.	1.8

7 a. Yes.

b. Will have matching funds not covered by use of equipment and own labor.

MF-101
(Revised April 1952)

RECEIVED
SEP 25 1952
U.S.G.S.
SPOKANE, WASH.

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 29 1952

Not to be filled in by applicant

Docket No. Dmea-2718
Metal or Mineral
Date Received 9-29-52
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: WILLIAM R. SOREN
ROUTE # 1
SEDRO WOOLLEY
WASH.

(*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 DIAMOND #1 and DIAMOND MINE OWN.

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

(*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.

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[illegible], LEAD, ZINC, TIN,

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(*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

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3,b, Diamond Pat.#23486. survey #284

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Shipping distance 22 miles truck haul to railroad

c. Man power good, Materals good, Own Equipment, Water power on property.

5

d.I am well experienced in mines operation.

6

400Ft, Tunnel @ 25.00 per Ft.	$ 10.000.00	
400Ft. 1" pipe @ .24 " "	96.00	
400Ft, Air Pipe Ventilation	1.385.00	
400Ft, ½ " Pipe Water Drilling	51.00	
1 Cabin and work shop	800.00	
50Ft. Enlarging 50FT present Tunnel	500.00	
1150 [illegible] .30	345.00	$
[illegible]	100.00	$13.2770

b Own labor @ 20.00 per day
Miners Labor 16.50
Common Labor 13.20

d Rental Equipment

Air Compressor	$ 2.50 per hr.
Truck	2.50
Shovel Tractor	2.50

e None

f Cabin and utility shed and shop $ 800.00

6.

g pay roll taxes

Ind. Insurence	.0410
Med. Aid	.035
Employment Sec.	2.7
Employment Tax.	1.½

7 a. Yes.
b. Will have Matching funds Not covered by use of Equipment and own Labor.

MF-103
(Revised April 1952)
RECEIVED
SEP 25 1952
U. S. G. S.
SPOKANE, WASH.

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
SEP 29 1952

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

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Metal or Mineral
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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.*—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. 30 20

(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.). None

(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)? yes

(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 SEPTEMBER 20, 1952

WILLIAM SOTEN
(Applicant)

By W. Soten

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

3,b, Diamond Pat.#23486. survey #284

4, A tunnel 45ft. long on the extreme upper end of clame showing good mineral, 545ft cut in creek on upper end of claim one 10ft open cut about 745ft.from the tunnel.
A new road completed this year the lower end where there is a 40ft. crescut tunnel in 50Ft. but still lacks about 35 ft of completion to intersect the Vein This lower tunnel is 345Ft. below the Diamond Pat. Claim and is on a located Claim called Diamond #1.Claim.

d. This property and the property above will have to be operated from this lower elevation acc. of snow slides and heavy snow this tunnel is about 4000ft. elev. where the ore showing is 4800ft elev. Ore is Copper,Lead,Zinc,Tin,
Shipping distance 22 miles truck haul to railroad

c. Man power good, Materals good, Own Equipment, Water power on property.

5

d.I am well experienced in Mines operation.

6

400Ft, Tunnel @ 25.00 per Ft.	$ 10.000.00
400Ft. 1" pipe @ .24 " "	96.00
400Ft, Air Pipe Ventilation	1.385.00
400Ft, ½ " Pipe Water Drilling	51.00
1 Cabin and work shop	800.00
50Ft. Enlarging 50FT present Tunnel	500.00
1150 gl. Gas @ .30	345.00
100 Oil @ $ 100.	100.00
	$13.277

b Own laber @ 20.00 Per day
Miners Laber 16.50
Commen Labor 13.20

d Rental Equipment

Air Compressor	$ 2.50 per hr.
Truck	2.50
Shovel Tractor	2.50

e None

f Cabin and utility shed and shop $ 800.00

6,

g pay roll taxes

Ind. Insurence	.0410
Med. Aid	.035
Employment Sec.	2.7
Employment Tax.	1.[illegible]

7 a. Yes.

b. Will have Matching funds Not covered by use of Equipment and own Labor.