File Copy
Surname
All
Wilson
Geyhan
Selfridge

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

OCT 11 1955

Evergreen Mines, Incorporated
5002 Ivanhoe Place, N. E.
Seattle, Washington

Re: Docket No. DMEA-3921 (Lead-Zinc-Copper)
Evergreen Mines, Incorporated
Claim No. 1
Whatcom County, Washington

Gentlemen:

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 improved the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of marginal ore on your property, 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,

Frank E. Johnson

ACTING Administrator

JWAlt/er 10/7/55

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Region I, N.W. Dist. (2)
Chron.

R.C.J.

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

October 7, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3921, (Lead-Zinc-Copper), Evergreen Mines, Inc., Claim No. 1, Whatcom County, Washington.

The cited application, dated June 30, 1955, was forwarded by the Executive Officer, Region I, Northwest District, and was received by this office on July 28, 1955. The Field Team examined the property on July 30, 1955.

The Applicant proposed an exploration program consisting of approximately 1,000 feet of diamond drilling to determine the attitude and grade of a sulphide-bearing vein, exposed in the upper adit, at depths approximately 70 and 170 feet vertically below the upper Adit. The Applicant's cost for the proposed work is $10,175.00.

The exposed vein has a very short strike length and is not of ore grade. The Field Team states: "In view of the limited known extent of the vein in and near the upper adit, and the low grade of the vein exposed, there is no sound geologic basis for a diamond drilling program".

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

J. W. Alt

J. W. Alt

File Copy
Surname
Alt.
Nelson

UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

October 7, 1955

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Denial of Application, Docket No. DMEA-3921, (Lead-Zinc-Copper), Evergreen Mines, Inc., Claim No. 1, Whatcom County, Washington.

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JWAlt/er

Copy to: Docket
Base Metals
Chron.

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

October 4, 1955

Re: DMEA-3921
(Lead-Zinc-Copper-
Silver, $10,175)
Evergreen Mines, Inc.,
Claim No. 1
Mt. Baker Mining Dist.
Whatcom County, Wash.

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop,
Branch of Base Metals

Subject: Review of field team report of September 9, 1955

I have reviewed the subject application and the field examination by Donald F. Kellum, (USGS) and am in agreement that the application should be denied.

The mineralized structures are characterized by short strike length, complex and low-grade mineralization in narrow veins which do not suggest any economic possibilities. I concur that the application should be denied.

O. M. Bishop

O. M. Bishop

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

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

October 4, 1955

Re: DMEA-3921
(Lead-Zinc-Copper-
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Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
SEP 16 1955

September 15, 1955

Re: DMEA 3921
Evergreen Mines, Inc.
Claim No. 1
Whatcom Co., Wash.
$9,925 - Lead, zinc, copper

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of Field Team Report.

The application requested aid in exploring with a diamond drill, 1,000 feet, a narrow, irregular vein or veins carrying lead, zinc and copper sulfides.

As mapped and sampled the veins are irregular, broken, narrow and low grade. The conclusions of the examiners are well supported.

I concur with the denial recommendation of the Field Team.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

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

RECEIVED
SEP 23 1955

September 15, 1955

Re: DMEA 3921
Evergreen Mines, Inc.
Claim No. 1
Whatcom Co., Wash.
$9,985 - Lead, zinc, copper

Memorandum

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N. E. Nelson

N. E. Nelson

NENelson:iml
G-9/15/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
SEP 12 1955

September 9, 1955

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

Re: Docket No. DMEA-3921 (lead-zinc-silver-copper)
Evergreen Mines, Inc.
Claim No. 1
Mt. Baker Mining District
Whatcom County, Washington

Dear Mr. Selfridge:

Enclosed are four copies of a memorandum by Donald F. Kellum, Geological Survey, that discusses the application of Evergreen Mines, Inc.

The exposed vein has a very short strike length and is not of ore grade. As noted in Mr. Kellum's memorandum, there is seemingly no north extension of the vein, and to the south, on the east side of a dike, the vein is weak and contains no values in base metals.

We recommend that the application be denied.

By Field Team, Region I, NW District

Thomas E Howard
for Wing G. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Verne C. Fryklund Jr.
Verne C. Fryklund, Jr., Acting Member
U. S. Geological Survey

Enclosure
cc: USBM (2)
USGS (SRO)
Kellum
Alvord

Reviewed by
DMEA OPERATING COMMITTEE
9-16-55
(date)

DMEA

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
SEP 12 1955

September 8, 1955

Memorandum

To: DMEA Field Team, Region I, Northwest District

From: Donald F. Kellum, Geologist, Geological Survey

Subject: Application examination, Docket No. DMEA-3921, Evergreen Mines, Inc., Claim No. 1, Mt. Baker Mining District, Whatcom County, Washington

Applicant
Evergreen Mines, Inc.
5002 Ivanhoe Place N.E.
Seattle, Washington

Reviewed by
DMEA OPERATING COMMITTEE
9-16-55
(date)

Recommendation

It is recommended that the application be denied. Present accessible exposures on the applicant's property are low grade and there is nothing to indicate the presence of a sufficiently large geologic target to warrant exploration.

Examination

The property was examined by Donald C. Alvord and Donald F. Kellum, Geologists, Geological Survey, on July 30, 1955. Mr. Paul Wiatrak, vice president of Evergreen Mines, Inc., showed us over portions of the property prior to mapping.

During the examination, the geology of the two adits on and adjacent to Claim No. 1 was mapped, and accessible portions of the outcrops in the vicinity of the adits were inspected. Approximately 6 hours were spent on the property.

Property

The applicant's property consists of one claim, designated Claim No. 1, in sec. 21, T. 40 N., R. 9 E., in the Mt. Baker mining district, Whatcom County, Washington. The property is 18.4 miles by road, in part "blacktop," from the town of Glacier, Washington. The last 5 miles of travel are by an unsurfaced Forest Service road which turns north from State Highway No. 1 at Shuksan and follows up Swamp Creek to a point near the property.

Competency of the applicant

Any work done at the property would be either under the personal supervision of Mr. Paul Wiatrak, or under supervision of competent personnel hired by him. Mr. Wiatrak is presently employed as a civil engineer by the city of Seattle, and has some past experience in mining work. In about 1940-41 he designed and built the mill building near the present Claim No. 1, and drove portions of the upper and lower adits.

It is felt that Mr. Wiatrak would be reasonably competent in an engineering capacity, but would require assistance in jobs of a geologic nature.

Property rights

The applicant holds the present claim by right of location on abandoned property. Prior claims to essentially the same area were staked on July 8, 1927, by O. A. Lowry and R. O. Blondin, and in the late 1930's by Ray Block and Howard Johnston. These claims were recorded in the records of the Mt. Baker mining district, Whatcom County, in Volume 14, p. 568, and Volume 16, p. 132, respectively. The present claim by Evergreen Mines, Inc., is recorded in Volume 20, p. 352.

Topography and climate

The area is on the western slopes of the northern Cascades, which, while not so extremely glaciated as areas nearer the crest, contain several diminishing glaciers and a multitude of cirque lakes. High peaks exceed 6,500 feet and local relief is on the order of 2,500 feet. Mt. Baker, a Cascade volcano, attains an elevation of 10,750 feet several miles to the south.

Rainfall on the western slopes of the Cascades is plentiful and well reflected by heavy tree growth and a "green hell" type of undergrowth at lower elevations. Exposures in the high country and on the steeper portions of ridges are free of dense vegetation, but the bare rocks are usually covered by a variety of lichens.

Due to snow conditions, the working season above 3,500 feet is limited to 3 or 4 months.

Description of property

The applicant's property is on a steep, north-facing mountain slope south of Swamp Creek between 4,400 feet and 5,600 feet elevation (see map). A cat road from the Twin Lakes road fords Swamp Creek and leads to a wooden mill building located north of the applicant's claim.

At present, the cat road is not usable and would require additional bulldozing to become passable. The creek, being fed by meltwater from a glacier at the head of Swamp Creek and by overflow from Twin Lakes, contains water the year around.

According to Mr. Wiatrak, the mill building formerly contained several flotation cells and a small ball mill, but these were removed during the early part of World War II and the building is now empty. Space for living quarters and a dry is provided in the lower portion, but the building would need reroofing to be usable. No other buildings or improvements exist in connection with the property.

An upper and lower adit comprising about 100 feet of workings expose several steeply-dipping siliceous zones. At the time of examination the lower adit was not included within ground staked by the applicant but was just north of the north endline of Claim No. 1. According to Mr. Wiatrak, another claim contiguous with Claim No. 1 will be staked to include the lower adit and mill.

Geology

The area along Swamp Creek and eastward to Twin Lakes is underlain by a steeply-dipping series of low-grade regionally metamorphosed sediments consisting of impure sandstones, slates, minor limestone units, and altered basic volcanics. These rocks are described briefly in a reconnaissance report by Smith and Calkins (U. S. Geol. Survey Bulletin 235, p. 25-26) and are believed to be of Carboniferous or older age mainly on the basis of a lithologic similarity to known Paleozoic rocks near the Canadian border, and, subordinately, because of a greater degree of metamorphism than that occurring in known Mesozoic rocks of the area. For a distance of several miles east of Twin Lakes the metamorphic grade of the Paleozoic(?) rocks increases and they are described as schists and gneisses, by Smith and Calkins, in the area adjacent to their contact with an extensive granodioritic body.

In the immediate area of the applicant's property the structural trend of the sediments is northwest; dips are to the southwest and range from nearly vertical to less than 35°. Topographic expression of this general structure is also indicated by steep and sharply dissected ridges along both sides of Swamp Creek.

Exposures above and to the east of the adits were too steep for examination without the aid of ropes; consequently the surface examination was restricted to the immediate area of the adits and along the base of the cliff to a gully west of the adits. The adits are in a massive to slightly schistose greenstone which underlies a southwest-dipping series of argillites or poorly developed slates, graywackes,

and pebble conglomerates occurring about 100 feet west of the upper adit (see topographic map). The greenstone west of the adits contains several zones of disseminated pyrite and some thin calcite and quartz veins similar in attitude and appearance to those mapped in the west crosscut of the lower adit.

The structure which the applicant proposes to explore is exposed only at the portal and by the limited workings of the upper adit for a strike distance of about 25 feet. The general strike of the vein at the portal of the upper adit is slightly west of north, and the dip is 75° to 78° E. Within the adit, the ore and vein strike N. 62° W. and dip 82° SW. The structure consists of a quartz replacement vein containing some pods and masses of sphalerite, galena, and chalcopyrite up to several inches in diameter associated with a zone of disseminated pyrite occurring along the border of the vein both in the quartz and to a greater extent in altered greenstone. Samples taken of the vein near the portal (525A) and from a point within the adit (522A) represent the approximate extremities of the exposed ore and averaged 0.06 ounce of gold per ton, 2.17 ounces of silver per ton, 1.47 percent lead, 0.53 percent copper, and 3.07 percent zinc over an average vein thickness of 2.25 feet.

As can be seen on the enclosed map of the workings, the ore in the upper adit occurs along two zones of diverse trend, neither of which is sufficiently well exposed by the adit to permit a positive estimate as to further extension of the vein. At the portal, the vein is exposed for about 15 feet above the adit level and is irregular in outline along both strike and dip. Mr. Wiatrak reported that the vein continued above the adit, as sulfides were known to crop out at several higher points. These points were inaccessible, however, and the vein was obscured by lichens a short distance above the adit. The vein could not be traced with certainty to the north of the adit for more than 10 feet, although a zone of pyrite was noted in the area of the vein projection. A dike, whose post-ore age is indicated both by included vein material and by satellite intrusion of the vein within the adit, intersects the north-striking portion of the vein at the portal, and truncates the westerly-striking portion of the vein within the adit. At the face of the adit, on the east wall of the dike, there is a narrow, incompletely exposed quartz and sulfide vein, of indefinite trend and steep eastward dip, which is probably a lean southward extension of the north-south striking portion of the vein. Sampling at this point (524A) indicated only slight values in gold and silver and none in lead, zinc, or copper.

There exists the possibility that the weak vein exposed in the face of the upper adit may represent the north wall of the westerly-trending portion of the vein offset by pre-dike faulting; however, the absence of any signs of fault movement in the dike area and the steep easterly dip of the vein continuation do not favor this explanation. It seems more likely that the diverse trends of the vein at the portal, and west of the dike within the adit, probably represent a local ore pod within a north-south zone of silicification.

The only structure of note in the lower adit is a silicified zone ranging in thickness from 1.5 to 2.5 feet and containing some pyrite and minor chalcopyrite. This zone strikes nearly due north, and dips range from 60° east to vertical. Although of similar attitude and dip to the vein in the upper adit, these two structures are not the same (see section).

Discussion of the applicant's proposal

The applicant, Evergreen Mines, Inc., has proposed an exploration program consisting of approximately 1,000 feet of diamond drilling to determine the attitude and grade of a sulfide-bearing vein, exposed in the upper adit, at depths approximately 70 and 170 feet vertically below the upper adit. The drill sites were stated to be the west crosscut of the lower adit, and a surface location to be prepared at a point 100 feet below the lower adit.

In view of the limited known extent of the vein in and near the upper adit, and the low grade of the vein where exposed, there is no sound geologic basis for a diamond drilling program. It is recommended that the application be denied.

Attachments - 3

Distribution:
√ DMEA (4)
USBM (2)
USGS (SRO)
Docket
Kellum
Alvord

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

[redacted]
No. 157 Howard Street
Spokane 4, Washington

RECEIVED
SEP 12 1955

All
Betty

September 9, 1955

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

Re: Docket No. DME-3521 (lead-zinc-silver-copper)
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Mt. Baker Mining District
Whatcom County, Washington

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By Field Team, Region I, [illegible] District

Wing O. Agnew, Acting Exec. Officer
U. S. Bureau of Mines

Verne C. Fryklund, Jr., Acting Member
U. S. Geological Survey

Enclosure

cc: [illegible] (2)
[illegible] (2)
Kellum
[illegible]lved

UNITED STATES
Department of the Interior
Defense Minerals Exploration Administration
So. 157 Howard Street
Spokane 4, Washington

RECEIVED
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September 8, 1955

Memorandum

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✓ DMEA (4)
USBM (2)
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Docket
Kellum
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UNITED STATES
DEPARTMENT OF THE INTERIOR 500
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

AUG 2 5 1955

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

Re: Docket No. DMEA-3921 (Lead-Zinc-Copper)
Evergreen Mines, Incorporated
Whatcom County, Washington
Evergreen Claim No. 1

Dear Mr. Weissenborn:

A review of the cited application, of which, you have retained a copy, indicates that there is much lacking in this application and that it will need a complete study by the Field Team.

In your letter of July 22, you stated that you will schedule an examination as soon as possible. Therefore, we will hold this application in abeyance until we receive your recommendations.

We are enclosing memorandums from W. P. Williams, USGS, dated August 9 and from O. H. Bishop, USBM, dated August 17.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

Enclosures

WRGriswold/er 8/23/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
~~Mr. Kiilsgaard~~
Mr. Kiilsgaard, USGS
Chron.

APPROVED:

/s/ Robert W. Geeham (GCS)
Member, Bureau of Mines

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

P.C.J.

File Copy
Surname
J. Alt.
Brownell
Gerhon
Kiilsgaard
Selfridge

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

AUG 25 1955

Evergreen Mines, Incorporated
5002 Ivanhoe Place, N. E.
Seattle, Washington

Re: Docket No. DMEA-3921 (Lead-Zinc-Copper)
Evergreen Mines Incorporated, Claim No. 1
Whatcom County, Washington

Gentlemen:

Your application for Government assistance to explore your property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred to:

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

If the Field Team desires additional information, they will contact you at an early date. Any assistance that you may give the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

WWAlt/er 8/23/55
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Bishop, USBM
Mr. Kiilsgaard, USGS
Chron.
Region I (2), N.W. Dist.

R.C.S.

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

August 17, 1955

RE: DMEA-3921
Evergreen Mines, Inc.
Evergreen Claim No. 1
Mt. Baker Mining Dist.
Whatcom County, Wash.

Memorandum

To: W. R. Griswold, DMEA

From: O. M. Bishop, Branch of Base Metals

Subject: Review of application and recommendation for field examination

From the application it appears that a vein of unstated width, strike, and dip has been sampled at either the outcrop or an underground exposure to reveal mineral assaying approximately 1.6 ounces silver per ton, 0.5 percent copper, 6.4 percent zinc and 3.3 percent ~~zinc~~ lead. It would also appear that an upper and lower adit have been driven to develop the vein and that the upper adit developed 40 feet of the vein.

The applicant proposes to drill a series of diamond drill holes from the lower adit "to determine the pitch, strike and trueness," followed by another series of similar holes from a point 100 feet lower in elevation. The application fails to reveal the nature of the target area, or the necessary details of the proposed exploration, and is on the whole poorly presented and documented although the president and vice president of the corporation are, respectively, a geologist and a mining engineer.

I note the field team plans to examine the property. At that time it might be well to consider the validity of the applicant's title to the property which is based on relocation of a claim formerly located and recorded by O. A. Loury and R. O. Blondin. In addition to checking on the probable validity of the title, the proposed exploration should be clarified and justified. It is possible that the engineering, geology and supervision charges against the one-drill, one-shift contract job are too high.

O. M. Bishop

O. M. Bishop

RECEIVED
AUG 18 1955

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O.M. Bishop
Files

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

August 17, 1955

Re: DMEA-3921
Evergreen Mines, Inc.
Evergreen Claim No. 1
Mt. Baker Mining Dist.
Whatcom County, Wash.

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O. M. Bishop
O. M. Bishop

RECEIVED
AUG 18 1955

Copy to - Division of Minerals
Mr. Kiilsgaard, Room 5222
O. M. Bishop
Files

IN REPLY REFER TO:

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

RECEIVED
AUG - 9 1955

August 9, 1955

Memorandum

To: W. R. Griswold, Defense Minerals Exploration Administration

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

Subject: Review of DMEA application, Docket No. 3921, Evergreen Mines, Inc., Mt. Baker Mining District, Whatcom County, Washington, (Lead, Zinc, Copper).

The applicant, in a brief, vaguely-worded application, proposes to explore for lead, zinc, copper, gold, and silver, by core drilling from two existing adits. From the brief description of the proposed work I gather that the contemplated work would consist of two fans of drill holes from the stub ends of two adits with the holes pointed to intersect a steeply-dipping vein. Total drilling footage would be 1,000 feet at an estimated total project cost of $10,175.

The brief geologic report in the application indicates that the strike and dip of the vein are unknown. A single, small sketch of the project area does not reveal, to me at least, neither the nature of the exploration problem nor of the details of the proposed drilling.

This is an instance where the applicant might properly be asked to furnish more and better information concerning both the present state of the property and the proposed work. However, since the Field Team may have already contacted the applicant with regard to field examination it may be just as well to ask the Field Team for their recommendations concerning the merits of the proposed work.

W P Williams

W. P. Williams

IN REPLY REFER TO:

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

RECEIVED
AUG - 9 1955

August 9, 1955

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WPW

W. P. Williams

WPWilliams:iml
G-8/9/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
O. M. Bishop, 3617

July 29, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region I & N.W. Dist.

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region I & N.W. Dist.

DMEA-3921 Evergreen Mines, Inc.

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

Evergreen Mines, Inc.
5002 Ivanhoe Pl., N.E.
Seattle, Washington

July 29, 1955
Subject: DMEA-3921
Re: Exploration Assistance

Gentlemen:

The receipt of your application dated June 30, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3921 and referred to the Base Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

July 22, 1955

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

Re: Application for Exploration Assistance
Evergreen Mines, Inc.
Skagit County, Washington

Dear Mr. Selfridge:

Enclosed are 3 copies of an application from Evergreen Mines, Inc., 5002 Ivanhoe Pl., N.E., Seattle, Washington.

The application is not supported by usable maps, and it would appear that part of the diamond drilling would add very little to existing information.

We will schedule an examination as soon as possible.

Very truly yours,

Verne C. Fryklund Jr.

Verne C. Fryklund, Jr.
for A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region I, N.W. Dist.

Enclosure

cc: USBM (2)
Kellum

RECEIVED
JUL 28 1955

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED JUL 28 1955

RECEIVED JUL 6 1955

U. S. G. S. SPOKANE, WASH.

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

Not to be filled in by applicant

Docket No. 3921
Metal or Mineral Lead-Zinc-Silver-Copper
Date Received 7-28-55
Estimated Cost $10,175
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: Evergreen Mines, Incorporated, 5002 Ivanhoe Pl., N.E., Seattle Washington. Incorporated in Washington. John Wiatrak-President-2634 Cermak Rd., Chicago, Ill.; Paul Wiatrak- Vice Pres.-5002 Ivanhoe Pl.,N.E., Seattle Wash.; John Erickson- Secretary & Treasurer-30 N. LaSalle, Chicago, Ill.

(*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 See Exhibit A- a copy of relocation notice filed by Evergreen Mines, Incorporated on June 6, 1955 at Bellingham, Wash.

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

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

(*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. See Exhibit A.

(*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. Vol. 20, page 352

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. See Exhibit B.

(*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 lead, zinc, gold, silver and copper.

(*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 45 days and be completed within 2 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated June 30, 1955

Evergreen Mines, Incorporated
(Applicant)

By John Christeck

President

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

EVERGREEN MINES, Inc.
5002 Ivanhoe Pl., N.E.
SEATTLE 5, WASHINGTON

4. (a) - In 1937 the upper adit was opened and the vein was followed for 40 feet. In 1938 Dr. G. E. Goodspeed, Geology Dept., University of Washington, established the geological relationship between the country rock, the ore vein and the dike. At that time Dr. Goodspeed recommended continuation of the lower adit and core borings to intercept the vein and determine the strike, dip and thickness.

There is a state road to Camp Shukson and a forest service road to the exposed outcropping of the vein.

(b) - The mine was never, and is not now in full production. The estimated ore reserve from outcropping to termination of the exploration point is $200,000 in place.

(c) - Geologic Description - The location is Range 9 East, Township 40 North. The surface outcropping of country rock is altered volcanic. The altered volcanic was injected with a mesothermal solution replacing the country rock and depositing the minerals. This was then injected by a porpheritic dike post-mineralization.

Megascopically the predominant minerals are sphalerite, galena, chalcopyrite and pyrite. The microscopic determination indicated the sphalerite, galena, chalcopyrite, pyrite and calcite. The

characteristics of the minerals indicate a mesothermal origin. Microscopically there is evidence of replacement and that the vein was secondarily enriched. Reasons for exploration: Microscopic determinations indicate that the vein is mesothermal and warrants exploration. Exploration is necessary to determine the size of the feeder and the strike and the depth. Sketch, assay report and pictures are enclosed as Exhibit "B". Dr. Goodspeed, University of Washington, Seattle, Washington should be contacted for any further information required.

NOTE: In the assay report, V104 and V105 are in country rock. V101, V102, N101, V202 and H103 are on the outer limits of the ore vein. V201, V103 and H102 are in the center of the vein.

(d) - The main road is the Mt. Baker Lodge Highway. From Camp Shukson, on the Mt. Baker Highway, there is a forest service road which leads directly to the mine. There is a railroad spur from Bellingham through to Demming. Glacier or Mt. Baker Lodge may be used as residence sites.

(e) - Labor may be obtained at Bellingham, Glacier, Demming and small surrounding communities. Supplies are available at Bellingham. Water may be obtained from Twin Lakes Falls and Swamp Creek. Swamp Creek is fed from Shukson Glacier throughout the year. There is no power available, but it should be easily

made available from hydro-electric means at Twin Lakes Falls, or by a dam at Swamp Creek.

5. (b) - The scope of the work proposed by a geologist and mining engineer are to: (1) core bore the lower adit in fan shape perpendicular to the dip of the vein at right angles to the strike to determine the pitch, strike and trueness. (2) follow the same pattern lowering drilling equipment 100 feet below the existing core holes and proceed in the same manner for the same determination. After and upon completion of approximately 1000 feet of core borings, values could be ascertained and then the corporation would proceed to establish a pilot mill and further explorations.

(d) - Paul Wiatrak - Vice President of Evergreen Mines, Incorporated; mining engineer, graduate of University of Washington; civil engineer for City of Seattle, Washington.

John Wiatrak - President of Evergreen Mines, Incorporated; geologist, graduate of University of Washington; subway engineer, Department of Subways and Super Highways, City of Chicago. Mr. Wiatrak did sub-soil analysis for super highway bridges.

EVERGREEN MINES, Inc.
5002 Ivanhoe Pl., N.E.
SEATTLE 5, WASHINGTON

6. (a) - Independent Contracts

Core borings $7.00 per foot
Estimated drilling 1,000 feet.

Estimated cost $7,000.00

(b) - Labor, Supervision Consultants

Supervision and engineering $150.00
per week for 9 weeks 1,350.00

Geologist

$50.00 per day
Two days per week for nine weeks 900.00

NOTE: Fees include lab work and
office preparations.

Labor

One laborer at $75.00 per week for
9 weeks 675.00

$2,925.00

Total $9,925.00

(c) - Operating Materials & Supplies

None

(d) - Operating Equipment

None

(e) - Rehabilitation and Repairs

Corrugated metal on roof of mill building 250.00

(f) - New buildings, improvements, installations

None

(g) - Miscellaneous

None

(h) - Contingencies

None

Estimated Total Cost $10,175.00

EXHIBIT A

(3)

RELOCATION NOTICE

Evergreen Mines Incorporated Claim No. 1

NOTICE IS HEREBY GIVEN that the Evergreen Mines Incorporated, a Washington Corporation, has on the 6th day of June, 1955, relocated and claimed, and does by these presents relocate and claim, in compliance with the laws of the State of Washington and of the United States, 1,500.00 feet horizontal measurement on the vein, together with 300.00 feet on each side of the middle of said vein at the surface, so far as can be determined from present developments. Said claim extends 1,475.00 feet southerly from the center of the discovery shaft thereon and 25.00 feet northerly from the center of said discovery shaft, the general course of the vein is north-northwest and south-southeast; said discovery shaft being sunk upon said vein, and within the lines of said claim, situated in the Mt. Baker Mining District in Whatcom County, State of Washington, about 3.0 miles northeast of Shuksan, on Swamp Creek, and about 1.0. mile southwest of Twin Lakes, in Township 40 North, Range 9 East. The N.E. corner of the claim is about 300.00 feet south of a mill building with a corrugated roof and shiplap sides, and is also about 750.00 feet south of Swamp Creek and about 3,000.00 feet southwesterly from Twin Lakes Falls.

The claim is bounded: Commencing at Discovery, thence northwesterly 25.00 feet to the center of the north and of the claim, thence east 300.00 feet to the N.E. corner of claim, thence south 18 degrees East 1,500.00 feet to the S.E. corner, thence west 600.00 feet to the S.W. corner, thence North 18 degrees West, 1,500.00 feet to the N.W. corner, thence east 300.00 feet to said center of the north end line. All distances and measurements herein are horizontal.

All of this claim is relocated as abandoned and forfeited property. This being substantially the same vein, originally located on the 8th day of July, 1927, by O.A. Lowry and R.O. Blondin, and recorded on the 14th day of July, 1927, in Volume 14 on page 568 of the Mining Records of Mt. Baker Mining District in the Auditors Office of Whatcom County, State of Washington, and relocated by Ray Block and Howard Johnston, recorded in Volume 16, page 132 of said records.

Dated this 6th day of June, 1955.

Evergreen Mines Incorporated (Locator)

By Paul A. Wiatrak
Paul A. Wiatrak Vice President

By Fred Anderson
Fred Anderson Secretary

EVERGREEN MINES, Inc.
5002 Ivanhoe Pl., N.E.
SEATTLE 5, WASHINGTON

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

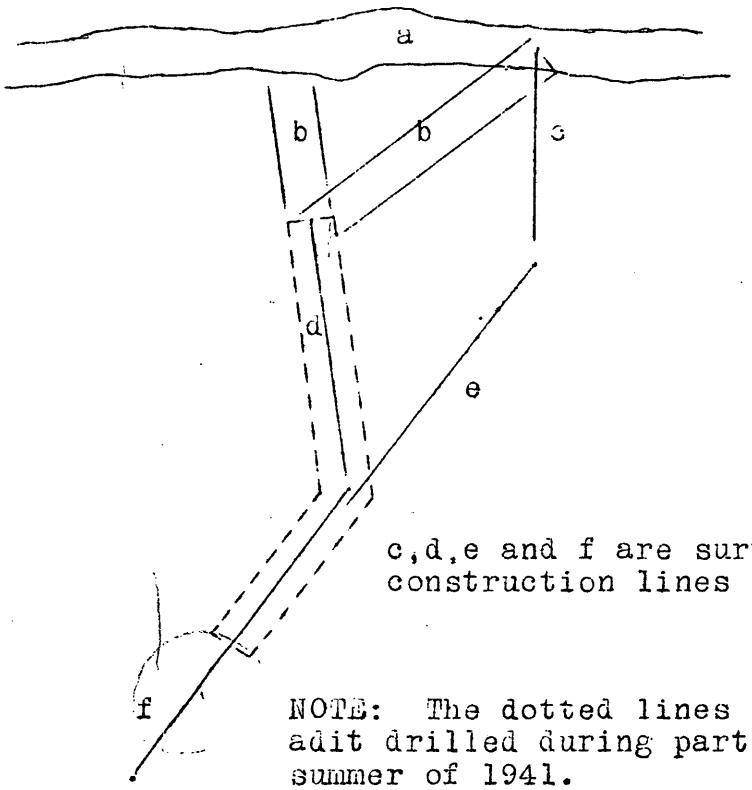
[illegible]

EXHIBIT B

Sheet No. 2

EVERGREEN MINES, Inc.
5002 Ivanhoe Pl., N.E.
SEATTLE 5, WASHINGTON

Plan View



c, d, e and f are survey construction lines

NOTE: The dotted lines show adit drilled during part of the summer of 1941.

Scale: 1" = 20'

LEGEND

a. believed ore body structure.

b. proposed adits.

c. N. 5 degrees E.; Vertical angle is level.

d. N. 3 degrees 20' W.; Vertical angle is level.

e. N. 40 degrees E.; Vertical angle is 45 degrees 10'.

f. N. 41 degrees 55' E.; Vertical angle is level.

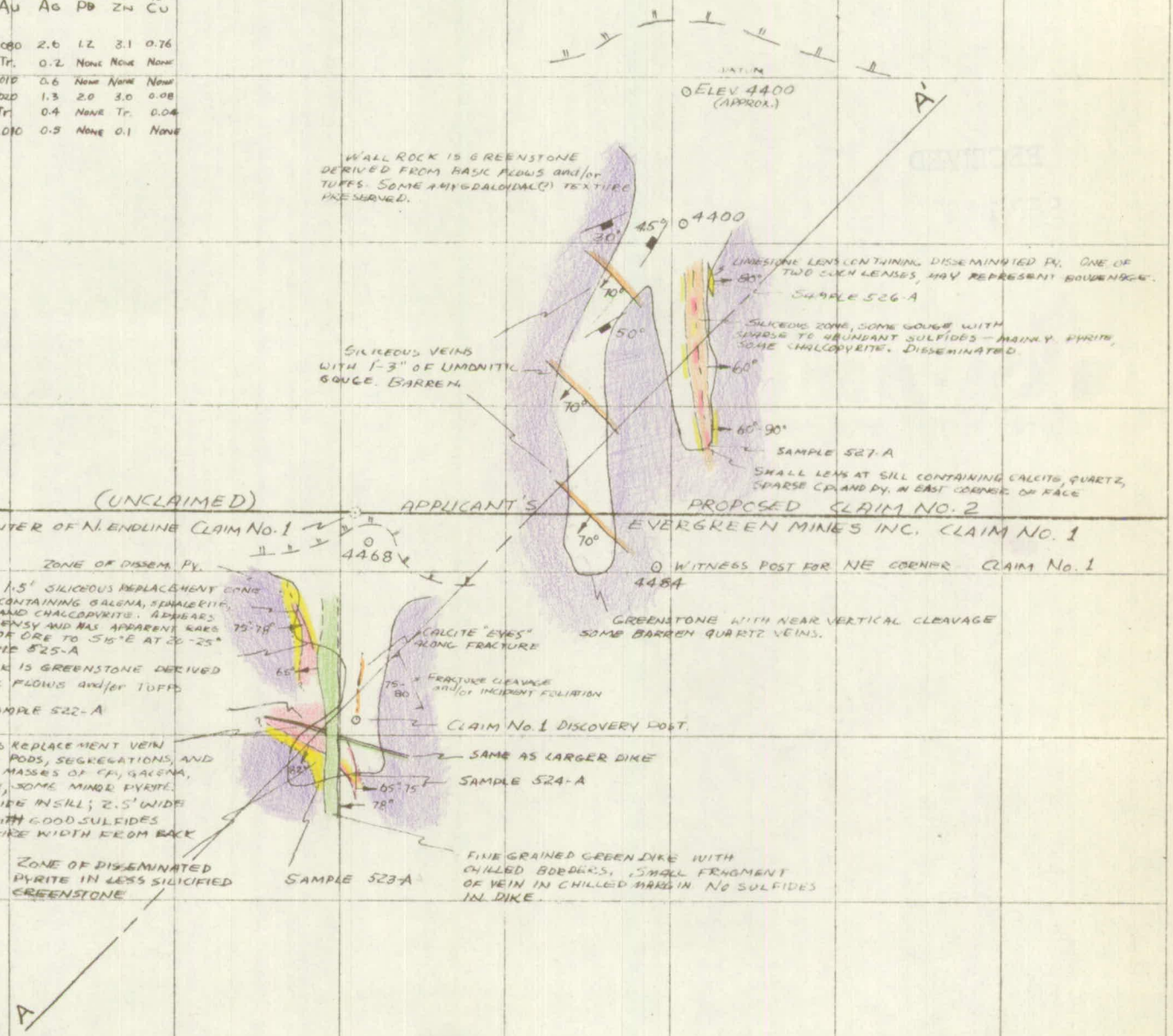
N

M/N 23½°

GEOLOGY OF UPPER AND LOWER ADITS
EVERGREEN MINES, INC.
MT. BAKER MINING DISTRICT
WHATCOM COUNTY, WASHINGTON

1" = 20'

SAMPLE No.	WIDTH (FEET)	OZ. Au	OZ Ag	% Pb	% Zn	% Cu
522-A	3.0	0.080	2.6	1.2	3.1	0.76
523-A	2.5	Tr.	0.2	None	None	None
524-A	2.0	0.010	0.6	None	None	None
525-A	2.5	0.020	1.3	2.0	3.0	0.08
526-A	0.8	Tr	0.4	None	Tr.	0.04
527-A	1.7	0.010	0.5	None	0.1	None



7/30/55 D.F.K., D.C.A.

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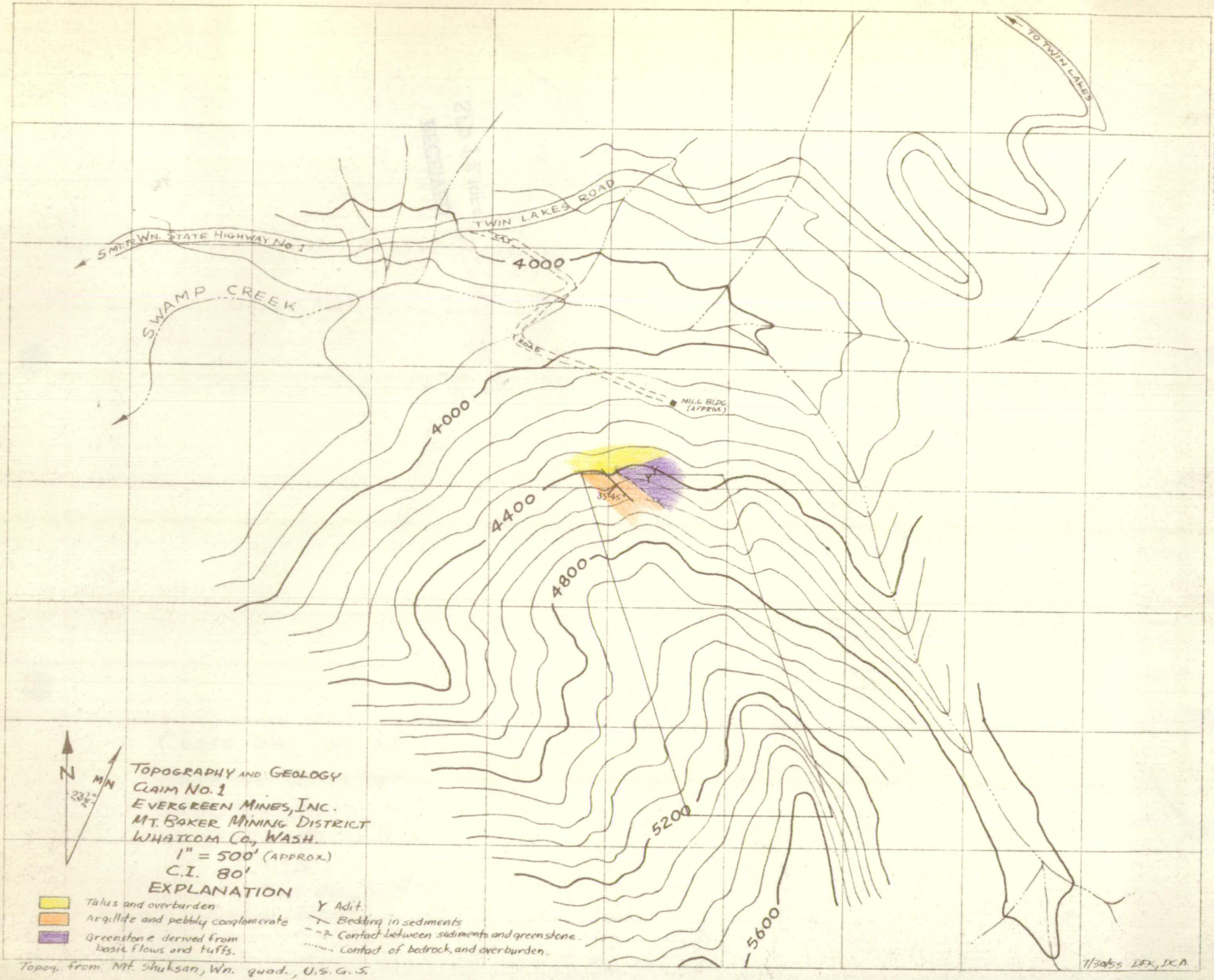

Topog. from Mt. Shuksan, Wn. quad., U.S.G.S.

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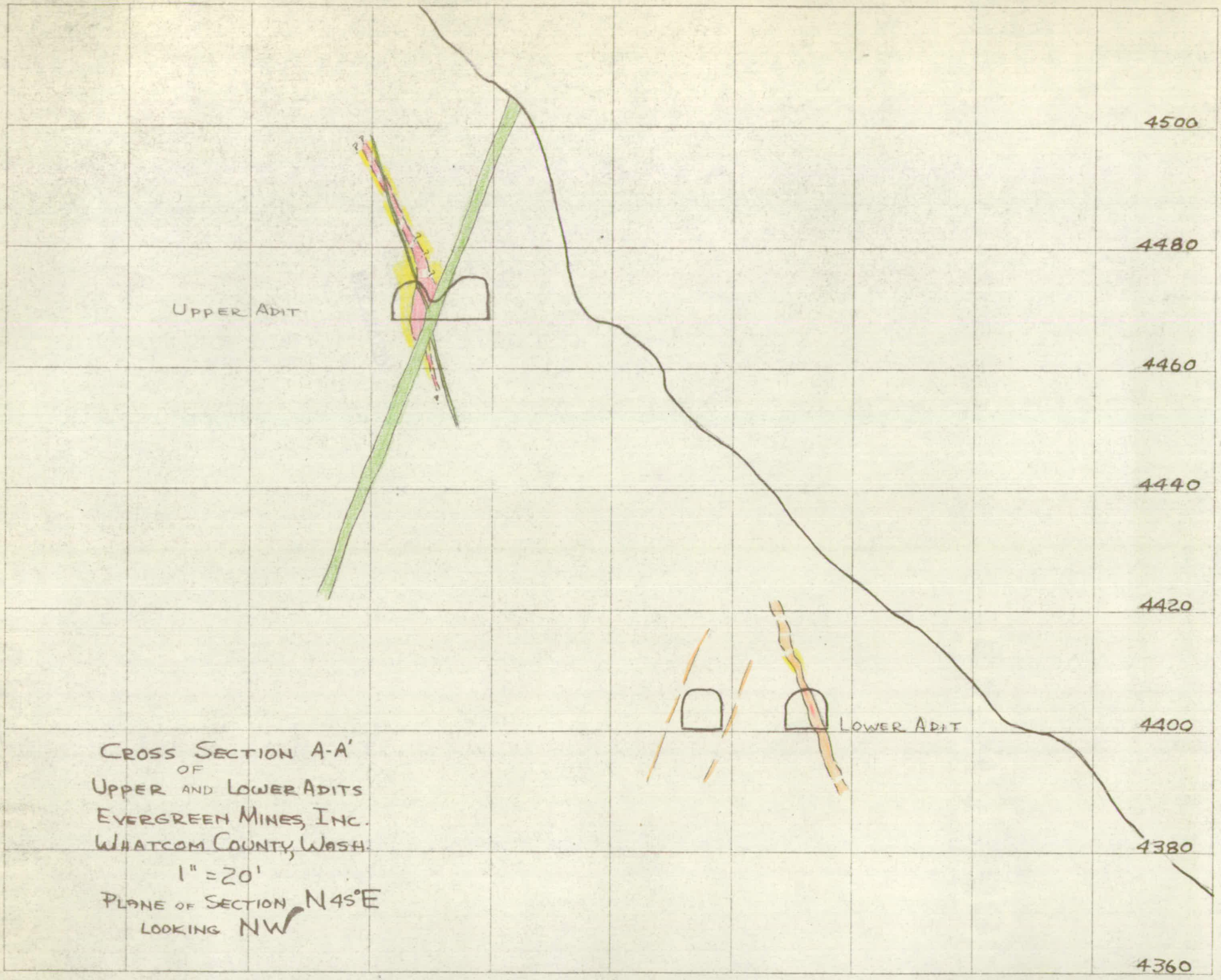
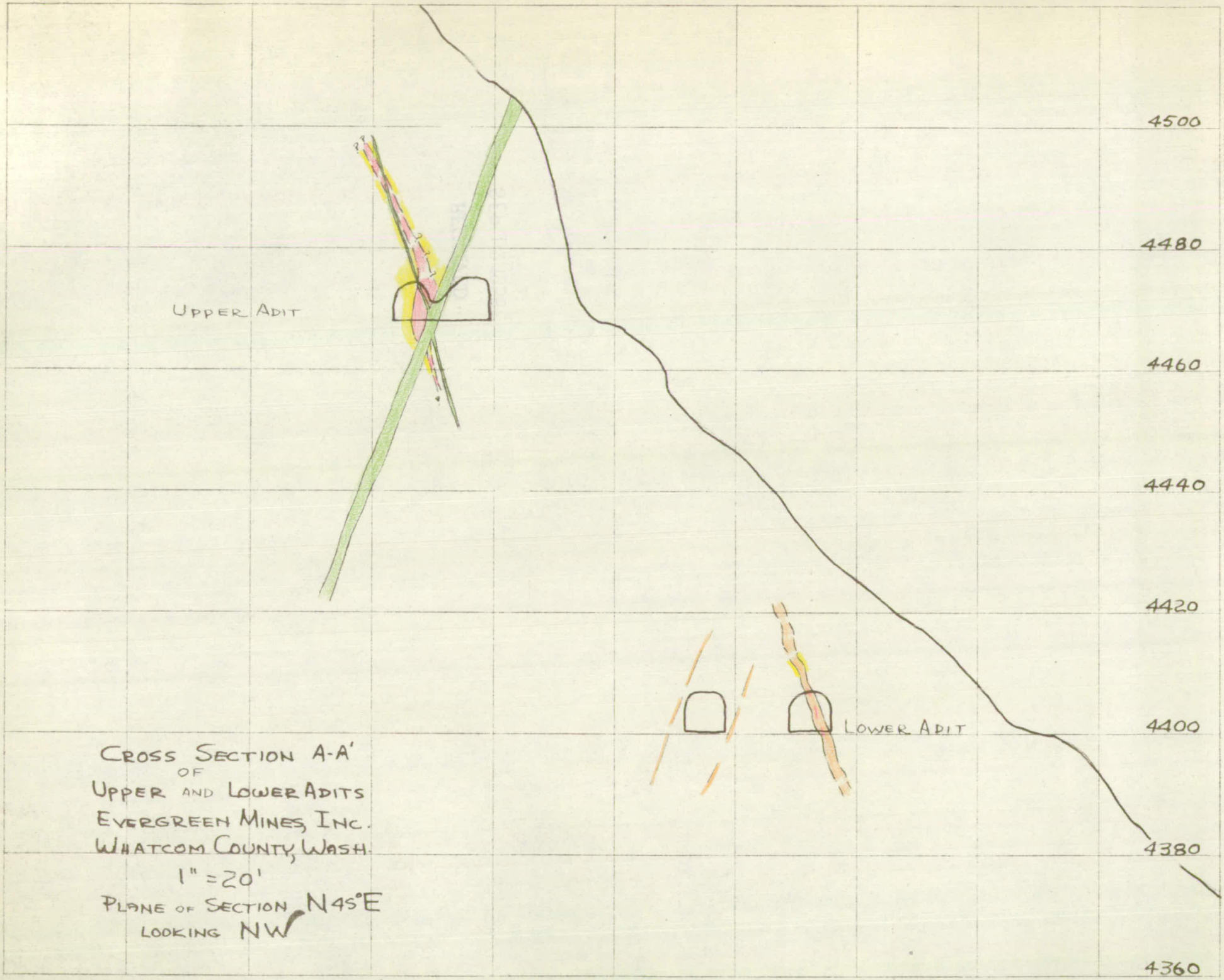


CROSS SECTION A-A'
OF
UPPER AND LOWER ADITS
EVERGREEN MINES, INC.
WHATCOM COUNTY, WASH.
1" = 20'
PLANE OF SECTION N45°E
LOOKING NW

"ALBANENE" NO. 198M K&E CO., N.Y.
REG. U.S. PAT. OFF.

RECEIVED
SEP 12 1955



CROSS SECTION A-A'
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WHATCOM COUNTY, WASH.
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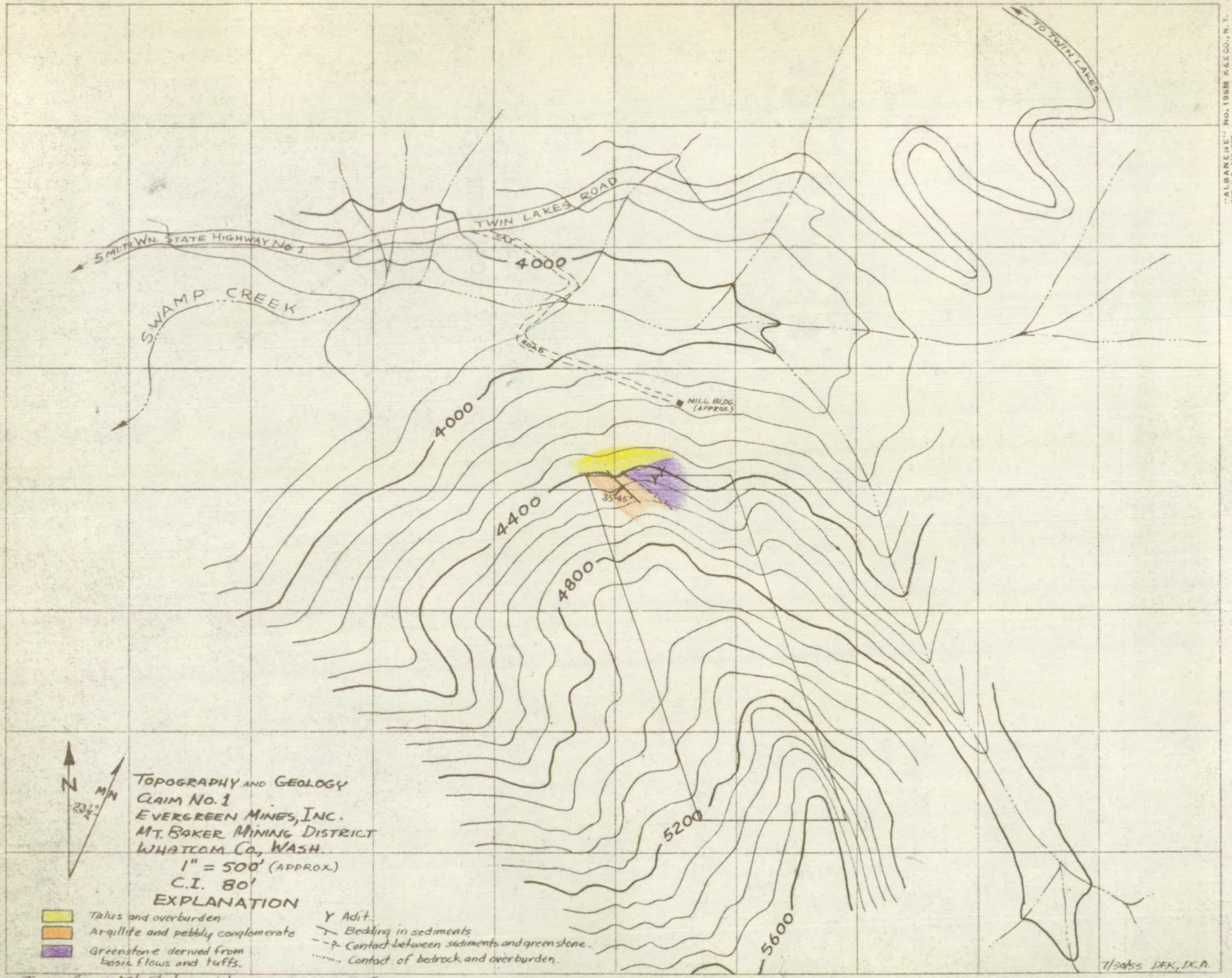
"ALBANENE" NO. 199M K&E CO., N. Y. REG. U.S. PAT. OFF.

RECEIVED
SEP 1 2 1955



Topog. from Mt. Shuksan, Wn. quad., U.S.G.S.

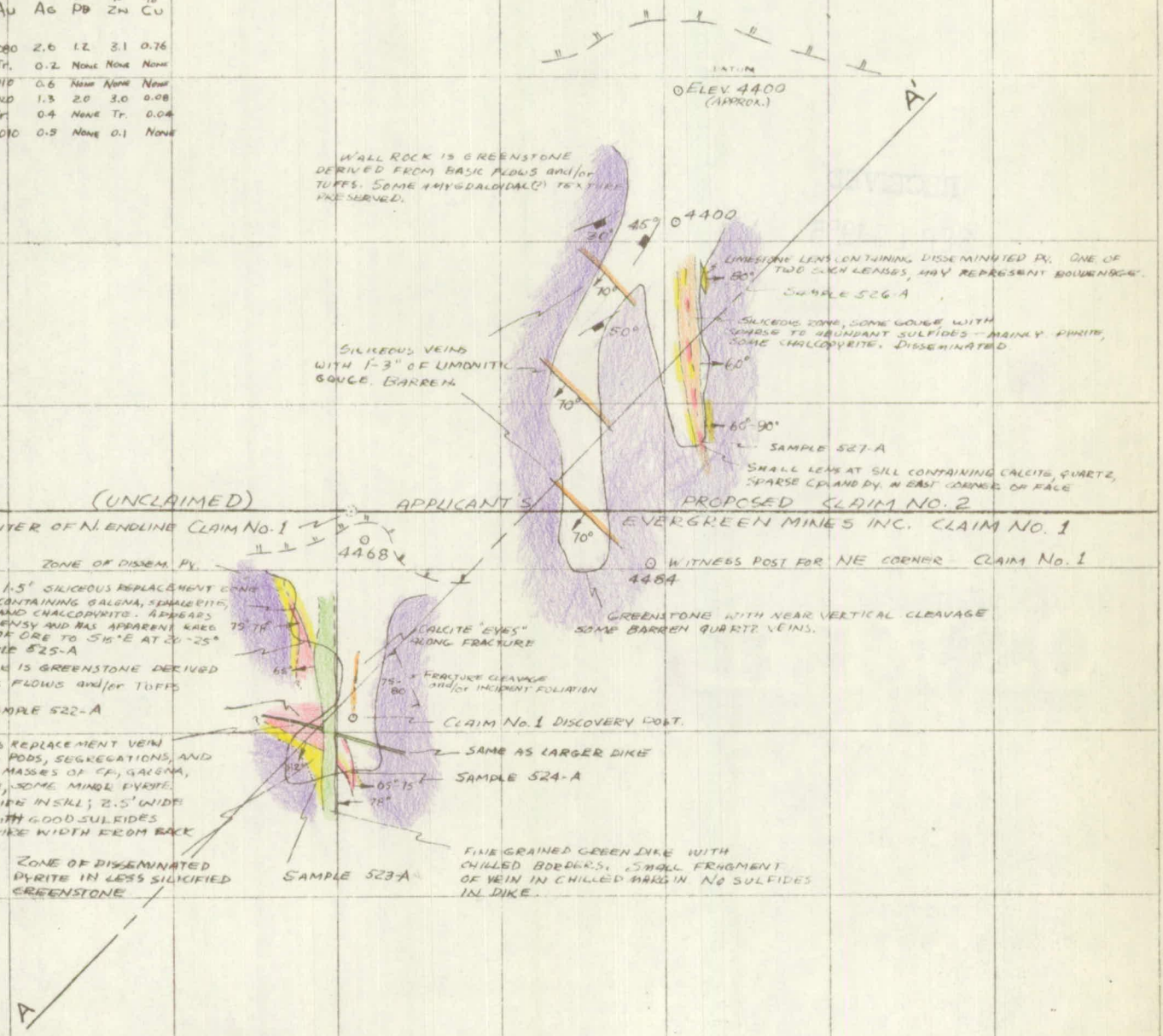
RECEIVED
SEP 1 2 1955

N M/N 23½°

GEOLOGY OF UPPER AND LOWER ADITS
EVERGREEN MINES, INC.
MT. BAKER MINING DISTRICT
WHATCOM COUNTY, WASHINGTON

1" = 20'

SAMPLE No.	WIDTH (FEET)	OZ. Au	OZ. Ag	% Pb	% Zn	% Cu
522-A	3.0	0.080	2.6	1.2	3.1	0.76
523-A	2.5	Tr.	0.2	None	None	None
524-A	2.0	0.010	0.6	None	None	None
525-A	2.5	0.020	1.3	2.0	3.0	0.08
526-A	0.8	Tr.	0.4	None	Tr.	0.04
527-A	1.7	0.010	0.5	None	0.1	None



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