DMA Form 1

DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 2881

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EXPLORATION ASSISTANCE

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Routing Slip

To:	Code 400, Room 3538	Date	2/11/53
To:	Oper Com	Date	4-15-53
To:	Oper Com	Date	8-21-53
To:	Oper Com.	Date	9-2-53
To:	Oper Com	Date	2-3-54
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400

2881

FEB 12 1954

Mr. Marton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of January 27, 1954, noting that our denial of the above-referenced application for exploration assistance was justified when based on the probable amount of nickel present but requesting that further consideration be given the application for a combination of both platinum and nickel.

The subject application, while docketed in under nickel as the primary commodity and referred to our Iron and Ferro Alloys Division for processing, was also considered for platinum. In our instructions to the Field Team requesting the examination of the Pine and Sunshine mines, we specifically noted that platinum was reported as present in the occurrence. Therefore our denial of September 2, 1953, was made on the basis that the probability of developing minable ore reserves of nickel, platinum, or a combination of the two, by your proposed program is not sufficiently promising to justify Government participation.

Your application and the related data in our files have also been reviewed by our Rare and Miscellaneous Metals Division, which evaluates platinum applications, and our September 2, 1953, denial is sustained.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge:fcc
2-1-54
cc to: Docket
Code 400
Field Team, Reg. 2
Adm. Reading File
Operating Comm.
H. W. Davis, Rm. 3519
Phillip Guild, Rm. 4205, OSA

400
400

NOV 1953

Mr. Marton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2861 - Nickel
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of October 19, 1953, requesting assay results and other information regarding the report on the referenced property by our Field Team.

The reports by our Field Team are considered confidential and are not available for distribution to either the applicant or the public. Factual information and analyses are not always considered confidential and may under certain conditions be released to the owners and operators of the respective properties. For your personal information, but not for release or publication, we list below the assay results of the eight samples taken from the Pine claim by our representatives:

Sample No.	Nickel, percent	Platinum, Oz/ton
1	0.110	--
2	0.114	--
3	1.186	--
4	0.061	--
5	0.167	0.315
6	0.170	0.080
7	0.227	--
8	0.203	--

Please note particularly that each of the above samples was taken across the entire mineralized band which is two inches wide and consequently the quantity of mineralized material represented by our samples is insignificant.

Sincerely yours,

C. O. Mittendorf

Administrator

WSMartin/PAButledge/foc 10-29-53
cc: Docket FT. Beg. 2
Code 400 H. W. Davis, USBM
Admr. Reading File Phillip Guild, USGS

SEP 2 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

Your application for aid for an exploration project and other data available to us in Washington concerning the referenced properties have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting the occurrence of chromite mineralization containing some accessory nickel and platinum minerals, 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 is denied.

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

Sincerely yours,

George C. Selfridge

ACTING Administrator

FARutledge:foc
9-1-53
cc: Docket
Code 400
Adm. Reading File
Operating Comm.
Ft. Reg. 2
N. W. Davis, USBM
Phillip Guild, USGS

September 1, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $127,763.00
Docket No. DMEA 2581 - Nickel
Merton K. Whittaker
Pine and Sunshine mines
Sweet Grass County, Montana

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

1. The applicant proposed to expend $127,763.00 in exploring reported nickel-platinum occurrences in the Stillwater complex. The proposed work included 600 hours of bulldozer trenching, 4,300 feet of diamond drilling, and 1,610 feet of underground workings.

2. Nickel and platinum occur as accessory minerals in narrow chromitite bands of limited strike length.

3. The examining field team recommends denial as follows: "The limited thicknesses of the ore-bearing chromitite bands, the fact that these bands are cut off on both ends of the open cut by large faults, and the improbability of the bands being extensive and of their thickening into commercial ore bodies all rule against this property being a favorable exploration site."

4. The chromitite bands containing the nickel and platinum range from 1/8 of an inch to one inch in thickness; strike lengths up to 40 feet have been explored. The thickness of each chromitite band is quite uniform.

   Nickel content of the samples taken by the field team range from 0.170 to 1.186 percent nickel.

5. The Field Team recommends denial.

6. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

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

FARutledge:foc
cc: Docket
Code 400
Adm. Reading File
Operating Comm.

FEB 2 4 1953

Mr. Norton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. [illegible] 2361 - Nickel
Norton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your application for exploration assistance on the referenced property. In your letter of February 7, 1953, covering the subject application, it was noted that maps of the property were to be forwarded at a later date, but such maps have not been received.

The information submitted with your application is insufficient to [illegible] field examination. Before we can refer the subject application to the field, we must have maps showing the local geology, the proposed exploration, present workings, and the target of the proposed exploration. It also will be necessary for you to furnish us with assays. The location and length of the samples should be shown on the maps in order that we may determine if your property can qualify for further time [illegible].

Your application will be held in abeyance until the information requested above is received.

Sincerely yours,

C. O. Mitteneder

Administrator

cc: Docket
Field Team, Region 2
Code 400
Admn. Read. File
H. W. Davis, USBM
T. P. Thayer, USGS

FARutledge/hhb
2/20/53

This letter is in further reference to Thor H. Kiilsgaard's letter of August 13 re: Docket No. DMEA 2881 (Nickel) and your answer of August 24 to the Field Team.

The Whittaker referred to in Mr. Merrill's letter is not the same as connected with Docket 2881.

Morton K's father is named Denny

WSM

D.F. Whittaker is not Morton K. Whittaker

DMEA 2881 (nickel)

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

1201 N. Division St.
Spokane 2, Washington
September 2, 1953

WSM

Mr. F. T. Merrill
204 Fratt Building
Billings, Montana

Whittaker

Subject: DMPA application
International Chrome Company
Sweetgrass County, Montana

Dear Mr. Merrill:

This is in reply to your letters of August 7 and 30, 1953, regarding abstracts covering the claims involved in the subject application. The delay in answering your letter of August 7 has resulted from the necessity of referring your request to the Washington, D.C. office after a search of our files failed to turn up the abstracts.

Our files indicate that although considerable time was spent in conference with Mr. Meurer, Mr. Miller, and associates, in discussing the proposed application for DMPA assistance, the application was never completed and formally submitted through this office. Our last contact with the Corporation was during the latter part of February of this year at which time it was our understanding that Mr. Roy M. Hammond, Consulting Engineer, Butte, Montana, was engaged in preparing the application for Mr. Meurer and associates.

We have no record of the abstracts being submitted to this office. It may be that they were given to Mr. Meurer or to Mr. Hammond for use in preparing the application, and either of these persons may still have them. It is suggested that you write directly to Mr. Hammond at 27 W. Granite St., Butte, Montana, and to Mr. William Meurer, Box 1142, Marysville, Washington. I would hazard a guess that Mr. Meurer has the abstracts.

If neither of these actions results in return of the abstracts, we shall be glad to give whatever further assistance we can in your search for the missing papers.

Sincerely yours,

M. E. Velin, Member
DMEA Field Team, Region II

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

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

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Bureau Library
RECEIVED
SEP 3 1953

September 1, 1953

DMEA 2881

Mr. F. T. Merrill
204 Pratt Building
Billings, Montana

Dear Mr. Merrill:

In response to your letter of August 7, 1953, we wrote the Washington office of DMEA asking that they return abstracts to some chrome properties in Sweet Grass County, Montana, which had previously been released by Mr. Ralph C. Taylor to the International Chrome Company and then subsequently submitted to the Government as part of a DMEA application.

The Washington office has informed us that Mr. Morton K. Whittaker filed an application for a DMEA contract on February 7, 1953, and that they have no record of an earlier application from Mr. Whittaker or of the abstracts referred to.

Mr. Whittaker's application, filed under Docket No. DMEA-2881, pertains to three unpatented mining claims which Mr. Whittaker states that he owns. These are: Pine, Pine No. 1, and Sunshine. These are recorded in Book No. 32, Pages 184, 178, and 183 respectively.

As previously stated, no abstract covering these claims was attached to the application or was submitted later.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Jackson

JB

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

So. 157 Howard Street
Spokane 4, Washington

~~Docket~~ R

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
AUG 21 1953

4005
file

August 18, 1953

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

Re: Docket No. DMEA-881 (nickel-platinum)
Morton K. Whittaker property
Sweetgrass County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a report by Mr. K. D. Jackson, Geologist, U. S. Geological Survey, concerning the subject application. This report has been held here pending receipt of assay returns.

Mr. Jackson notes that the property is located in an inaccessible part of Montana, that the ore-bearing veinlets are small and not extensive, and that the property does not warrant further exploration.

Mr. Jackson recommends denial of the application and the Field Team concurs.

By DMEA Field Team, Region II

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

Thomas E. Eward, Acting Member
(U. S. Bureau of Mines)

Enclosure
cc: VEM (2)
Jackson

Reviewed by
DMEA OPERATING COMMITTEE
8-31-53
(date)

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
AUG 4 1953

So. 157 Howard Street
Spokane 4, Washington

July 10, 1953

Memorandum

To: DMEA Field Team, Region II

From: S. D. Jackson, Geologist, U. S. Geological Survey

Subject: Examination Report, Docket No. DMEA-2881 (Nickel, Platinum), Whittaker Property, Sweetgrass County, Montana.

On July 1, 1953, A. L. Howland, F. H. Vail, and I examined the Pine, Pine No. 1, and Sunshine mining claims in Sweetgrass County, Montana. The field examination was made at the request of the Operating Committee in its letter of April 16, 1953. We were shown the property by Dewey Whittaker, father of the applicant.

The location of the properties is as described in the docket. Whittaker's suggested road to the properties follows a steep horse trail which climbs 4,000 feet from the Boulder River gravel road in two air miles. The foot of this proposed road is 30 miles from the railroad at Big Timber. It would be difficult or impossible to keep such a road open between November and April.

A small spring near the Whittaker cabin site, and above the development work on the Pine Claim, is reported to run all year, but at the time of examination it was concealed by a snow bank. The water from Bobcat Creek, mentioned in Whittaker's application, is 1,500 feet in elevation directly below his workings. Water from a small lake at the head of Bobcat Creek would require a pumping lift of 500 feet over a distance of 1½ miles. Whittaker has dropped a small compressor and ore car to the property by parachute, but neither of these was in use at the time of the examination.

The Sunshine and Pine No. 1 claims have no development work except discovery pits, and no visible ore deposits. According to Dewey Whittaker, assays from the discovery pits are negative of nickel and platinum. Development work on the Pine claim consists of an inclined drift, reported to have been driven 30 feet, but now caved at the portal, and a shovel cut 6 feet wide and 60 feet long. The claim is on a 40 degree slope on the north side of Bobcat Creek. Whittaker proposes to drop down the slope 1,600 feet in elevation and drive a haulage way under the present development site on the Pine claim, but as indicated below, it is impossible to estimate the length of this drift since no target is in sight.

Reviewed by
DMEA OPERATING COMMITTEE
8-31-53
(date)

The prospect has not been in production and no ore is visible in the cut or in the excavated material from the shaft. The workings are in a layer of harzburgite about 350 feet above the floor of the Stillwater complex, and not in the chilled gabbro zone of the complex nor in the hornfels below, which are the rocks usually containing disseminated nickel-copper-platinum sulfides. The face of the shovel cut exposes a one-inch chromitite layer in serpentinized harzburgite. Above the thin chromitite is a norite sill 2.5 to 4 feet thick. Both these units are exposed for 40 feet in the cut, and in this distance five small faults produce offsets of a few feet. To the south neither the chromitite nor the sill can be traced across outcrops of harzburgite. To the north, both end on a larger cross fault. According to Dewey Whittaker, the owner's assayed specimens were taken indiscriminately across the face of the cut, and it is now impossible to correlate the various rocks exposed with the assay values.

Although the only mineralization exposed in the face of the cut consists of a few thin chromitite bands ranging from 1/8 of an inch to one inch in thickness, eight samples were taken across the face to test the nickel and platinum content (see accompanying map). These samples very conclusively show the nickel-platinum mineralization to be associated with the chromitite bands. It is believed that the chromitite bands are, in turn, associated with the norite sill, which, as previously stated ranges from 2.5 to 4 feet in thickness in this area. The norite sill is not extensive in strike length and the chromitite bands in the face of the cut and elsewhere are quite uniform in thickness. The aggregate thickness of the sill and associated chromitite bands might be enough to mine; however, the chromitite bands are so narrow that they could not be cobbed to ore grade even by careful hand sorting. Furthermore, where seen elsewhere in the area, the chromitite bands tend to maintain their narrow widths and there is, therefore, little reason to believe they might thicken into commercial ore bodies on the applicant's property.

The limited thicknesses of the ore-bearing chromitite bands, the fact that these bands are cut off on both ends of the open cut by large faults, and the improbability of the bands being extensive and of their thickening into commercial ore bodies all rule against this property being a favorable exploration site. Furthermore, exploration would be prohibitively expensive because of the remoteness of the property, and the difficulty of working on the property except for a few months during the summer. For these reasons, the field examiners recommend denial of the subject application.

Enclosure 1

cc: DMEA (Orig. & 3)
USBM (2)
USGS (SAO)
Docket
Jackson

400

AUG 2 4 1953

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

Re: Docket No. DMEA 2881- Michael
Merton K. Whittaker
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Weissenborn:

Reference is made to the subject docket and Mr. Killingsord's letter of August 13, 1953, transmitting F. T. Merrill's letter of August 7, 1953, requesting abstracts covering patented claims in Sweet Grass County, Montana. These claims were said to be owned by a Mr. Taylor and to have been the object of an application for assistance by P. D. Miller, President, International Chrome Co., filed early in 1952. Mr. Taylor requested the return of the abstracts.

The subject docket does not cover the application referred to. The application under Docket No. DMEA 2881, Merton K. Whittaker, was filed February 7, 1953, almost a year after the application referred to by Mr. Merrill. We have no record of this office of an earlier application from Mr. Whittaker, or the abstracts referred to.

The property covered by DMEA 2881 is composed of three unpatented claims, which Mr. Whittaker states he owns, as follows: Pine, Pine No. 1, and Sunshine recorded in Book No. 32, pages 154, 176, and 183, respectively. No abstract, covering these claims was attached to the application, Docket No. 2881, or submitted later.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee

APPROVED:

C. H. Johnson

Member, Bureau of Mines

D. M. Barrabee

Member, Geological Survey

FAButledge:fec 8-20-53

cc: Docket
Code 400
Fld. REG. 2
Operating Comm.
Adm. Reading File
H. W. Davis, BLM
Phillip Guild, USGS

400

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

xxxxxxxxxxxxxxxxx
So. 157 Howard Street
Spokane 4, Washington

August 13, 1953

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

Re: Docket No. DMEA-2881 (Nickel)
Morton K. Whittaker property
Sweet Grass County, Montana

Dear Mr. Selfridge:

Enclosed are two copies of a letter from Mr. F. T. Merrill regarding the subject application.

Mr. Merrill calls attention to the fact that the applicant has failed to conform to the terms of the escrow agreement with the owner of the subject property and that the owner, Mr. Ralph C. Taylor, has obtained the return of all documents, which presumably pertain to the agreement, with the exception of certain abstracts covering the claims involved. Mr. Merrill also states that these abstracts were sent to this office during April 1952; however, a search of our files fails to find them. In this connection we note from a reference slip dated February 11, 1953, and attached to our copy of the application, that the application was originally transmitted to Washington, D. C. We therefore wonder if a copy of the abstract is not in the files in Washington. It is suggested that the abstract be returned to the owner as requested in the attached letter, if the release of such a document is possible.

Sincerely yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

Enclosure

cc: USBM (2)
Jackson

F. T. MERRILL
INVESTMENTS
204 FRATT BUILDING
BILLINGS, MONTANA

August 7th, 1953

RECEIVED
BUREAU OF MINES
AUG 10 1953
SPOKANE, WASH.
DEPARTMENT OF THE INTERIOR
Bureau of Mines
RECEIVED
AUG 17 1953

Department of Interior
Bureau of Mines
1201 North Division Street
Spokane, Washington

Attention: Mr. Bolin

Gentlemen:

During the early part of 1952, Mr. P.D.Miller, Pres., International Chrome Co., and his associates - one of whom was D.F.Whittaker - applied for assistance in the development of some properties believed to contain chrome. These patented claims are located in Sweet Grass County, Montana, and are owned by Mr. Ralph C. Taylor of this city, whom I represent.

In connection with the application, abstracts covering the claims involved were sent to your office during April 1952. The abstracts had been originally placed in escrow in the Midland National Bank of Billings, Montana but at the request of Mr.Miller they were released in order that they might be sent to your office for examination. Mr. Miller failed to conform to the terms of the escrow agreement and Mr. Taylor has obtained the return of all of the documents with the exception of the abstracts. Mr. Miller has ignored Taylor's demand for their return, so Taylor's only recourse is to request that your office return the abstracts to him. It will be very much appreciated if you will do so. They may be sent to Mr. Taylor in my care or, if you prefer, to him at his residence which address is 623 South 33rd Street, Billings, Montana.

Mr. Taylor has been quite ill for some time and he will appreciate your early attention to this request for the return of the abstracts.

Yours very truly,

F T Merrill

ftm-s

F. T. Merrill.

400

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

APR 27 1953

April 23, 1953

Dr. Norton K. Whittaker
Northwest Bonded Escrows, Inc.
323 Second Avenue
Seattle 4, Washington

Re: Docket No. DMA-2331 (Nickel)
Norton K. Whittaker
Lone and Sunshine Mines
Sweetgrass Co., Montana

Dear Dr. Whittaker:

We have received instructions from the Washington Office of the Defense Minerals Exploration Administration to make an examination of your deposit.

As the property is in the high country of Montana, it is probable that the area will not be accessible for some time yet because of snow. We would appreciate being informed by you when the snow is gone so that an examination can be made. It would be better to wait until the snow is pretty well gone rather than attempt to make an examination and find that very little can be seen because of snow cover. We, therefore, rely upon you to inform us when the examination can be made, and upon receipt of such information, we will arrange an examination as soon as we have a man free.

Sincerely yours,

[illegible] Weissenborn
Executive Officer, DMEA
Field Team, Region [illegible]

cc: [illegible]
[illegible] (2)
[illegible]son

(400)

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

April 24, 1953

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

Re: Docket No. DMEA-2001 (Nickel)
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Selfridge:

This will acknowledge your letter of April 16, 1953, regarding examination of Mr. Whittaker's Pine and Sunshine mines in Sweetgrass County, Montana.

We will contact Mr. Whittaker and make arrangements for a field examination when weather permits as requested in your letter.

Sincerely yours,

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

cc: DMEA (2)
Jackson

402

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

APR 16 1953

Re: Docket No. DMEA 2861 - Michael
Norton R. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Weissenborn:

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

Mr. Whittaker has furnished us with the following additional information:

(1) Claim map on a Forest Service base.

(2) Topographic map showing the proposed work.

(3) A section through the deposit.

(4) Five assay sheets.

Copies of these data are enclosed.

Although your letter of March 2, 1953, indicates that the referenced property has few merits and possesses several handicaps, a Field Team examination seems desirable on the basis of the samples submitted which indicate the occurrence of nickel and up to 0.34 oz. of platinum per ton.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Jo E. Hedges
Member, Bureau of Mines

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

P. S. - Two copies of a memorandum by T. P. Thayer, U. S. Geological Survey are enclosed.

Copy to: Docket File
Field Team, Reg. 2
Code 400
Oper. Com.
Adm. Asst.
H. E. Davis, DMEA
T. P. Thayer, USGS

FAutledge/fcc
4-10-53

402

APR 16 1953

Mr. Horton K. Whittaker
323 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Horton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of April 6, 1953, transmitting maps and other data pertaining to the referenced application for exploration assistance. After a review by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration, the subject application has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for a field examination.

The Regional Office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge/foc
4-10-53

Copy to: Docket
Field Team, Reg. 2
Code 400
Operating Committee
Adm. Reading File
H. W. Davis, USBM
T. P. Thayer, USGS

IN REPLY REFER TO:

G-MD-TPT

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

402

April 14, 1953

Memorandum

To: W. S. Martin, [illegible]

From: T. P. Thayer, [illegible]

Subject: [illegible], Nickel
Morton H. Whittaker

I concur completely with Jackson's memo to the effect that the chances of an economic deposit are very slight. Having experience with Mr. Whittaker on other matters, I would be inclined to discount his claims.

Mr. Jackson will be in the area later in the summer on other work, and in the interests of all concerned, it might be well for him to visit the claims then. Because of the altitude, the claims probably will not be accessible for some time anyway.

T. P. Thayer

C
O
P
Y

NORTHWEST BONDED ESCROWS, INC.
823 Second Avenue
Seattle 4, Washington

April 6, 1953

Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine Mines

Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Att: Mr. C. O. Mittendorf

Gentlemen:

In reply to your letter of March 27th, I believe that we have assembled all of the data you requested.

You will find enclosed 2 claim maps marked "Exhibit A". I have attached assay reports marked "Exhibits No. 1 - 2 - 3 - 4 - and 5." The locations of the various places from which samples were taken are indicated on this map. This map also indicates proposed exploration work.

You will find 2 copies of maps designated as "Exhibit B".

I am also enclosing 2 copies of Forest Service maps with mineral claims added. This map shows the topography of the land and is marked "Exhibit C".

When your field geologists are ready to examine the property, I would appreciate having a few days advance notice, and I will arrange for a guide with horses to take them directly to the mining claims.

Yours very truly,

/s/ Morton K. Whittaker

Morton K. Whittaker

400

Mr. Morton L. Whittaker
523 2nd Avenue
Seattle 4, Washington

MAR 2 7 1953

Re: Docket No. [illegible] 2381 - Nickel
Morton L. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

Reference is made to your application for exploration assistance at the subject property. On February [illegible], 1953, we wrote you requesting additional information required to process your application and advising that you would need to submit maps before we could refer the proposed project to our field staff for an examination.

To date, neither the maps nor the [illegible] have been received. We wish to cooperate fully in the matter of allowing ample time for the submission of the requested data, but if the required data has not been received by April 30, 1953, we will then remove the reconnaissance application from the active files and consider the matter closed.

Sincerely yours,

C. O. Mittendorf

Administrator

cc: Docket
Field Team, Region 2
Code 400
Adm. Read, File
H. W. Davis, USGS
T. W. Thayer, USGS

EARutledge/hhb
3/26/53

400's Copy

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 6 1953

March 2, 1953

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

Re: Docket DMEA-2881 (Nickel, Platinum)
Whittaker Property
Sweetgrass County, Montana

Dear Mr. Selfridge:

Thank you for transmitting Docket No. DMEA-2881, filed by Morton K. Whittaker, concerning nickel claims in Sweetgrass County, Montana.

Concentrations of nickel and copper occur within and immediately below the chilled basal norite of the Stillwater complex along the entire 30 miles of its length. Pyrrhotite, chalcopyrite, and pentlandite occur as scattered grains replacing norite and the hornfels below it. The best exposure of sulphide concentrations is on the west side of the Stillwater Valley, in the canyon of Verdigris Creek. In this area the sulphides occur as disseminations and small massive pods in hornfels, associated with satellitic norite sills. Certain primary structural controls are believed favorable to sulphide accumulation in this area, and these structural features are not known elsewhere in the complex on the same scale.

Only one analysis of these sulphides is known, made on a hand specimen from a dump in the Verdigris Creek area. This is published in Mont. Bur. Mines and Geology, Misc. Cont. No. 7, page 11, by A. L. Howland et. al., and is as follows:

Assay by International
Nickel Co. of Canada

Cu, percent	1.85
Ni, percent	0.55
Pt, oz. per ton	0.0039*
Pd, oz. per ton	0.0025
Au, oz. per ton	0.0030
Chalcopyrite (calculated from percent Cu)	5.32
Pentlandite (calculated from percent Ni)	1.50

* Includes Rh, Ru, Ir, probably not in excess of 1 percent of the total amount of the Pt metals present.

Development work on the Mount properties on Verdigris Creek and on the east side of the Stillwater River has been continued on a small scale for a number of years. Prior to World War II development work was also done on the Beehive Claims, at the head of Little Rocky Creek, a tributary of the Stillwater River. To our knowledge, no ore has ever been shipped from any of these properties.

As nearly as can be determined from the docket, Whittaker's claims lie about 13 miles west of the Verdigris Creek deposits, at an elevation of about 9,500 feet. The area is only two air miles from the gravelled Boulder River road, but the difference in relief is over 4,000 feet. Any ore reaching the Boulder River road would have to be trucked over 30 miles to the nearest railroad terminus at Big Timber.

In view of the inaccessibility of the area, the absence of any economic sulphide deposits, even in the most structurally favorable area, along the base of the Stillwater complex, and the low grade of the known sulphide concentrations, no examination of the applicant's property will be made unless specifically requested by Washington.

Sincerely,

E. D. Jackson
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USGS (2)
Jackson

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

Denied

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

Not to be filled in by applicant

Docket No. dmea 2181
Metal or Mineral
Date Received 21-9-52
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: Norton K. Whittaker
823 2nd Ave., Seattle 4, Washington

(*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

	Date Filed	Book No.	Page No.	
Pine Quartz Lode Mining Claim	Nov. 27, 1950	32	184	Sweet Grass Co.
Pine No. 1	Nov. 27, 1950	32	179	" " "
Sunshine	Nov. 27, 1950	32	183	" " "

(*b*) State any mine name by which the property is known. Pine & Sunshine Mines

(*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.

Unpatented - Described above

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 nickel & platinum

(*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 10 days and be completed within 6 months from the date of an exploration project contract. Provided loan is approved by August 1, 1953

(*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. To be furnished by contractor

(*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. All equipment to be furnished by contractor

(*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. Cabin as shown on map, also 1 tent

(*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. none

(*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. Contractor to furnish & maintain all equipt.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above. $3500.00

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 [ ] 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 February 7, 1953

Morton K. Rothstein
(Applicant)

By

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

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

Mor[illegible]n K. Whittaker
823 2nd ave.
Seattle 4, washington

(b) The mine has not been in production, and no ore has been blocked out. The assays from various ore samples show from 0.4 to 1.5% nickel, and 0.06 to .38 oz. in platinum.

(c) The nickel, platinum deposits on the Pine claim are situated immediately south of the Stillwater complex of ultrabasic intrusive rocks. The nickel, platinum deposit is found in the Basal zone of Norite which extends upward into the bottom of the ultrabasic zone. This mineral deposit appears to be of later mineralization subsequent deposition. The zone of mineralization is more prominent near the center of the Pine claim. The development work that has been done consists of an open cut about 60 feet long, with average height of 12 feet and depth of 10 feet. On one end of this cut an incline shaft was run to a depth of about 30 feet. The mineral may have originated from a depth of several thousand feet, assimilating into the Nortie after the latter period of the faulting. On the surface the nickel runs about 0.4 per cent and the platinum 0.06 oz. per ton. On the end of the incline shaft assays showed nickel as high as 1.5 per cent and the high on platinum of 0.38 oz. I believe that a large commercial nickel deposit may be found through further exploration. In various places for a distance of several miles along the Basil zone nickel and platinum occur in small quantities. However on the Pine claims the values are much greater showing consentration of mineralization,

(d) The property is situated in Sweet Grass County, Montana, about 35 miles from Big Timber. The gravel road extends up along the Main Boulder river and is accessible throughout the year. The mine is now reached from the Noah Ball dude ranch, about 30 miles from Big Timber. From the Noah Ball ranch it is neccessary to travel about 7 miles by trail to the mine. The mine can be made accessible by a road as indicated on the map, and this road could be made accessible throughout the year at a reasonable cost. After the exploration work is completed, it may be desirable to mine the ore deposits froma tunnel at about the 8000 ft. level near Bobcat basin.

(e) Manpower is available in the Big Timber, Livingston area. The contractor will have labor, materials and equipment available to start work within 10 days after award of contract. The contractor will supply the power for his contract. Sufficient water is available from a spring near the cabin as indicated on the map. An abundance of water is available in Bobcat creek for a large mining and milling operation.

Mort[illegible] K. Whittaker
823 [illegible]nd Ave.
Seattle 4, Washington

5.
(d) I am successfully operating and administerting my own business. I have worked in mines and construction work. I propose to contract trenching, diamond drilling and drifting to a qualified contractor.

6. Estimate of cost

Geologist - 20 days @ $50.00 per day	$1,000.00
Mining engineer in charge of development, sampling logging, diamond drill cores etc. 100 days @ $50.00	5,000.00
(b) Other services & labor	2,000.00
Assaying & Misc.	500.00
(a) Removal of overburden & trenching with TD24 dozer, dozer rental included moving dozer to job site and back to owners yard - dozer to be fully maintained and operated by owner @ $21.00 per hr. for 600 hrs.	12,600.00

Diamond drilling - included transportation of all plant and equipment, including water pipe etc. necessary to complete diamond drilling according to plans and specifications which will be subject to revisions. Drilling contractor to also furnish labor as follows:

No of Holes	Depth of Holes	Total depth of holes	Unit cost per foot	Cost
2	100 ft.	200 ft.	$6.75	$1,350.00
2	200 ft.	200 ft.	7.00	1,400.00
2	350 ft.	700 ft.	7.25	5,075.00
2	600 ft.	1200 ft.	7.50	9,000.00
2	1000 ft.	2000 ft.	7.75	15,500.00
			Total cost - - - -	$32,323.00

Drifting 1610 ft. @ $44.00 per ft., contractor to furnish all plant, labor and equipment to complete the work as may be specified in the contract $70,840.00

(h) Contingencies 3,500.00

Total exploration cost ---------- $[illegible]27,763.00

I propose to call for bids and award the proposed exploration work to the lowest qualified bidder. A preliminary survey was made for a road as indicated on the map, and a contractor could provide himself with a cat trail to get his equipment in for less money than it could be packed in by horses or flown in by plane. This cat trail could possible be completed in a few days. It is entirely up to the contractor which method he used to get in his equipment.

SURNAME
DOCKET
Rutledge
Martin
Ellis
Kimball
Guild
Bell
Hedges
Selbridge
Stephenson

FEB 12 1954

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMSA 2081 - Nickel
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of January 27, 1954, noting that our denial of the above-referenced application for exploration assistance was justified when based on the probable absence of nickel present but requesting that further consideration be given the application for a combination of both platinum and nickel.

The subject application, while designated under nickel as the primary commodity and referred to our Lynn and Pecos Allegs Division for processing, was also considered for platinum. In our instructions to the Field Team requesting the examination of the Pine and Sunshine mines, we specifically noted that platinum was reported as present in the occurrence. Therefore our denial of September 2, 1953, was made on the basis that the probability of disclosing minable new reserves of nickel, platinum, or a combination of the two, by your proposed program is not sufficiently promising to justify Government participation.

Your application and the related data in our files have also been reviewed by our Base and Miscellaneous metals Division, which evaluates platinum applications, and our September 2, 1953, denial is sustained.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMRutledge:fcc
2-1-54
cc to: Docket
Code 400
Field Team, Reg. 2
Adm. Reading File
Operating Comm.
H. W. Davis, Rm. 3519
Phillip Guild, Rm. 4205, OSA

R.C. 2-12-54

NORTHWEST BONDED ESCROWS, INC.

ELliot 5522
823 Second Avenue
SEATTLE 4, WASHINGTON

DEPARTMENT
Defense Minera
RECE
JAN 29 1954

January 27th, 1954

WSM

Defense Mineral Exploration Administration,
Washington 25, D. C.

Re: Docket NO. DMEA 2881 - Nickel
Pine and Sunshine mines
Sweet Grass County, Montana.

Attention: Mr. George C. Selfridge
Acting Administrator

Dear Mr. Selfridge:-

After reviewing our loan application, together with your letter of Sept. 2nd, 1953 denying my application, it occurred to me that you may reopen my application for a loan, basing the application on platinum as well as nickel.

When basing the application upon only the contained nickel in the ore, you were justified in turning down my application. Now I believe you would be justified in granting our loan based upon the combination of both platinum and nickel. As I recall the D.M.A. made two assays for platinum, one sample containing 0.08 and the other 0.31 oz. per ton. I have had several assays run for platinum which were from 0.06 to 1 oz. per ton.

I wish to cut the amount of our application for a loan from the original $127,760.00 to $15,000.00. Under my new proposal we would use this money for diamond drilling and open cutwork in the immediate vicinity of the present discovery, or as may be suggested by your Geologist.

After you have studied my new proposal, I would appreciate it if you would grant this loan at your earliest convenience.

Yours very truly,

M K Whittaker

M. K. Whittaker.

MKW:G

MF-500

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

REFERENCE SLIP

DATE 1-29

REFERRED TO:

1. 400
2. 220
3.
4.

FOR:

- ---------- Action
- ---------- Approval
- ---------- Comment
- ---------- Conference
- ---------- Consideration
- ---------- Filing
- ---------- Instructions
- ---------- Investigation
- ---------- Initials
- ---------- Mailing
- ---------- Previous correspondence
- ---------- Recommendation
- ---------- Record of ----------
- ---------- Referring to ----------
- ---------- Reply for signature of ----------
- ---------- Rewriting
- ---------- Signature
- ---------- Suggestions
- ---------- Your information

REMARKS:

Check (X) before the items needing attention.

ROBERT E. ADAMS
Initials of sender.

GPO 16—63815-1

FILE COPY
SURNAME:

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

400
Rutledge
Martin
~~Hedges~~
~~Hayes~~
~~Selfridge~~
~~Johnson~~

NOV 2 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of October 19, 1953, requesting assay results and other information regarding the report on the referenced property by our Field Team.

The reports by our Field Team are considered confidential and are not available for distribution to either the applicant or the public. Factual information and analyses are not always considered confidential and may under certain conditions be released to the owners and operators of the respective properties. For your personal information, but not for release or publication, we list below the assay results of the eight samples taken from the Pine claim by our representatives:

Sample No.	Nickel, percent	Platinum, Oz/ton
1	0.110	--
2	0.114	--
3	1.186	--
4	0.061	--
5	0.467	0.315
6	0.170	0.080
7	0.227	--
8	0.203	--

Please note particularly that each of the above samples was taken across the entire mineralized band which is two inches wide and consequently the quantity of mineralized material represented by our samples is insignificant.

Sincerely yours,

C. O. Mittendorf

Administrator

WSMartin/FARutledge/foc 10-29-53
cc: Docket FT. Reg. 2
Code 400 H. W. Davis, USBM
Admr. Reading File Phillip Guild, USGS
Open Corr.

R.C.G. 11-2-53

mda

NORTHWEST BONDED ESCROWS, INC.

2 - 1953

ELliot 5522
823 Second Avenue
SEATTLE 4, WASHINGTON

Oct. 19, 1953

forwarded WSM

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

Att: Mr. George C. Selfridge

Re: Docket No. DMEA 2881 -Nickel
Pine and Sunshine Mines
Sweet Grass County, Mont.

Gentlemen:

In reply to your letter of September 2nd, it would be helpful to us if we had copies of your essay reports from the samples taken on our property.

We would also appreciate any other information regarding the geological report by your Field Engineers.

Yours very truly,

Morton K. Whittaker

Morton K. Whittaker

This looks like a job where we draft the sort of letter we wrote to ~~[illegible]~~ Pelonessd DMEA 2818 on August 3 and see how far we get with it

NMEA 2881
915

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

1201 N. Division St.
Spokane 2, Washington
September 2, 1953

Mr. F. T. Merrill
204 Fratt Building
Billings, Montana

Subject: DMEA application
International Chrome Company
Sweetgrass County, Montana

Dear Mr. Merrill:

This is in reply to your letters of August 7 and 30, 1953, regarding abstracts covering the claims involved in the subject application. The delay in answering your letter of August 7 has resulted from the necessity of referring your request to the Washington, D.C. office after a search of our files failed to turn up the abstracts.

Our files indicate that although considerable time was spent in conference with Mr. Meurer, Mr. Miller, and associates, in discussing the proposed application for DMEA assistance, the application was never completed and formally submitted through this office. Our last contact with the Corporation was during the latter part of February of this year at which time it was our understanding that Mr. Roy M. Hammond, Consulting Engineer, Butte, Montana, was engaged in preparing the application for Mr. Meurer and associates.

We have no record of the abstracts being submitted to this office. It may be that they were given to Mr. Meurer or to Mr. Hammond for use in preparing the application, and either of these persons may still have them. It is suggested that you write directly to Mr. Hammond at 27 W. Granite St., Butte, Montana, and to Mr. William Meurer, Box 1142, Marysville, Washington. I would hazard a guess that Mr. Meurer has the abstracts.

If neither of these actions results in return of the abstracts, we shall be glad to give whatever further assistance we can in your search for the missing papers.

Sincerely yours,

M. E. Yolin, Member
DMEA Field Team, Region II

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

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

September 1, 1953

DMEA 2881

Mr. F. T. Merrill
204 Fratt Building
Billings, Montana

Dear Mr. Merrill:

In response to your letter of August 7, 1953, we wrote the Washington office of DMEA asking that they return abstracts to some chrome properties in Sweet Grass County, Montana, which had previously been released by Mr. Ralph C. Taylor to the International Chrome Company and then subsequently submitted to the Government as part of a DMEA application.

The Washington office has informed us that Mr. Morton K. Whittaker filed an application for a DMEA contract on February 7, 1953, and that they have no record of an earlier application from Mr. Whittaker or of the abstracts referred to.

Mr. Whittaker's application, filed under Docket No. DMEA-2881, pertains to three unpatented mining claims which Mr. Whittaker states that he owns. These are: Pine, Pine No. 1, and Sunshine. These are recorded in Book No. 32, Pages 184, 178, and 183 respectively.

As previously stated, no abstract covering these claims was attached to the application or was submitted later.

Sincerely yours,

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

cc: DMEA (2)
USBM (2)
Jackson

FILE COPY
SURNAME:
400

Rutledge
Davis
Guild
Selfridge
Klimt
Rudel

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

SEP 2 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

Your application for aid for an exploration project and other data available to us in Washington concerning the referenced properties have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting the occurrence of chromite mineralization containing some accessory nickel and platinum minerals, 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 is denied.

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

Sincerely yours,

George C. Selfridge

ACTING Administrator

FARutledge:foc
9-1-53
cc: Docket
Code 400
Adm. Reading File
Operating Comm.
Ft. Reg. 2
H. W. Davis, USBM
Phillip Guild, USGS

R.C.S.
9-2-53

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

September 1, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $127,763.00
Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine mines
Sweet Grass County, Montana

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

1. The applicant proposed to expend $127,763.00 in exploring reported nickel-platinum occurrences in the Stillwater complex. The proposed work included 600 hours of bulldozer trenching, 4,300 feet of diamond drilling, and 1,610 feet of underground workings.

2. Nickel and platinum occur as accessory minerals in narrow chromitite bands of limited strike length.

3. The examining field team recommends denial as follows: "The limited thicknesses of the ore-bearing chromitite bands, the fact that these bands are cut off on both ends of the open cut by large faults, and the improbability of the bands being extensive and of their thickening into commercial ore bodies all rule against this property being a favorable exploration site."

4. The chromitite bands containing the nickel and platinum range from 1/8 of an inch to one inch in thickness; strike lengths up to 40 feet have been explored. The thickness of each chromitite band is quite uniform.

   Nickel content of the samples taken by the field team range from 0.170 to 1.186 percent nickel.

5. The Field Team recommends denial.

6. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

F. A. Rutledge

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

FILE COPY
400 SURNAME:

Rutledge
Davis

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

September 1, 1953

Memorandum

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of exploration project in the amount of $127,763.00
Docket No. DMEA 2881 - Nickel
Merton K. Whittaker
Pine and Sunshine mines
Sweet Grass County, Montana

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4. The chromitite bands containing the nickel and platinum range from 1/8 of an inch to one inch in thickness; strike lengths up to 40 feet have been explored. The thickness of each chromitite band is quite uniform.

   Nickel content of the samples taken by the field team range from 0.170 to 1.186 percent nickel.

5. The Field Team recommends denial.

6. The Commodity Divisions of the Geological Survey and Bureau of Mines concur with the denial.

SIGNED R. C. L. 9-2-53
F. A. Rutledge, Acting Chief
Iron and Ferro-Alloys Division

FARutledge:foc
cc: Docket
Code 400
Adm. Reading File
Operating Comm.

International Metallurgical
Chrome Corp -

29 Broadway

New York, New York

DMA - 140

denied August 10, 1951

~~Concentration~~ ~~Supply~~ Transvaal chromite

Pilliber deposits, California
Grey Eagle "
Investments Chrome Min "

GSA FORM 14
JANUARY 1950

GENERAL SERVICES ADMINISTRATION

ROUTING SLIP

TO— NAME	BUILDING, ROOM NUMBER, ETC.
1.	
2.	
3.	
4.	
5.	

FOR—

- ☐ APPROVAL
- ☐ AS REQUESTED
- ☐ CORRECTION
- ☐ FILING
- ☐ FULL REPORT
- ☐ HANDLE DIRECTLY
- ☐ PREPARE REPLY FOR
- ☐ IMMEDIATE ACTION
- ☐ INITIALS
- ☐ NECESSARY ACTION
- ☐ NOTE AND RETURN
- ☐ READ AND DESTROY
- ☐ _____
- ☐ RECOMMENDATION
- ☐ SEE ME
- ☐ SIGNATURE
- ☐ YOUR COMMENT
- ☐ YOUR INFORMATION
- ☐ _____

SIGNATURE OF _____

ANSWER OR ACKNOWLEDGE BEFORE _____

FROM	DATE

REMARKS

U. S. GOVERNMENT PRINTING OFFICE 16—66576-1

Docket

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
AUG 24 1953

August 18, 1953

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

Re: Docket No. DMEA-2881 (nickel-platinum)
Morton K. Whittaker property
Sweetgrass County, Montana

Dear Mr. Selfridge:

Enclosed are four copies of a report by Mr. E. D. Jackson, Geologist, U. S. Geological Survey, concerning the subject application. This report has been held here pending receipt of assay returns.

Mr. Jackson notes that the property is located in an inaccessible part of Montana, that the ore-bearing veinlets are small and not extensive, and that the property does not warrant further exploration.

Mr. Jackson recommends denial of the application and the Field Team concurs.

By DMEA Field Team, Region II

A. E. Weissenborn

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

Thomas E Howard

Thomas E. Howard, Acting Member
(U. S. Bureau of Mines)

Enclosure
cc: USBM (2)
Jackson

closed O C
8-31-53

AUG 2 1953

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

GCL 9/2/53

July 10, 1953

Memorandum

To: DMEA Field Team, Region II

From: E. D. Jackson, Geologist, U. S. Geological Survey

Subject: Examination Report, Docket No. DMEA-2881 (Nickel, Platinum), Whittaker Property, Sweetgrass County, Montana.

On July 1, 1953, A. L. Howland, P. R. Vail, and I examined the Pine, Pine No. 1, and Sunshine mining claims in Sweetgrass County, Montana. The field examination was made at the request of the Operating Committee in its letter of April 16, 1953. We were shown the property by Dewey Whittaker, father of the applicant.

The location of the properties is as described in the docket. Whittaker's suggested road to the properties follows a steep horse trail which climbs 4,000 feet from the Boulder River gravel road in two air miles. The foot of this proposed road is 30 miles from the railroad at Big Timber. It would be difficult or impossible to keep such a road open between November and April.

A small spring near the Whittaker cabin site, and above the development work on the Pine Claim, is reported to run all year, but at the time of examination it was concealed by a snow bank. The water from Bobcat Creek, mentioned in Whittaker's application, is 1,900 feet in elevation directly below his workings. Water from a small lake at the head of Bobcat Creek would require a pumping lift of 500 feet over a distance of $1\frac{1}{2}$ miles. Whittaker has dropped a small compressor and ore car to the property by parachute, but neither of these was in use at the time of the examination.

The Sunshine and Pine No. 1 claims have no development work except discovery pits, and no visible ore deposits. According to Dewey Whittaker, assays from the discovery pits are negative of nickel and platinum. Development work on the Pine claim consists of an inclined drift, reported to have been driven 30 feet, but now caved at the portal, and a shovel cut 6 feet wide and 60 feet long. The claim is on a 40 degree slope on the north side of Bobcat Creek. Whittaker proposes to drop down the slope 1,600 feet in elevation and drive a haulage way under the present development site on the Pine claim, but as indicated below, it is impossible to estimate the length of this drift since no target is in sight.

Closed OC
8-31-53

The prospect has not been in production and no ore is visible in the cut or in the excavated material from the shaft. The workings are in a layer of harzburgite about 350 feet above the floor of the Stillwater complex, and not in the chilled gabbro zone of the complex nor in the hornfels below, which are the rocks usually containing disseminated nickel-copper-platinum sulfides. The face of the shovel cut exposes a one-inch chromitite layer in serpentinized harzburgite. Above the thin chromitite is a norite sill 2.5 to 4 feet thick. Both these units are exposed for 40 feet in the cut, and in this distance five small faults produce offsets of a few feet. To the south neither the chromitite nor the sill can be traced across outcrops of harzburgite. To the north, both end on a larger cross fault. According to Dewey Whittaker, the owner's assayed specimens were taken indiscriminately across the face of the cut, and it is now impossible to correlate the various rocks exposed with the assay values.

Although the only mineralization exposed in the face of the cut consists of a few thin chromitite bands ranging from 1/8 of an inch to one inch in thickness, eight samples were taken across the face to test the nickel and platinum content (see accompanying map). These samples very conclusively show the nickel-platinum mineralization to be associated with the chromitite bands. It is believed that the chromitite bands are, in turn, associated with the norite sill, which, as previously stated ranges from 2.5 to 4 feet in thickness in this area. The norite sill is not extensive in strike length and the chromitite bands in the face of the cut and elsewhere are quite uniform in thinness. The aggregate thickness of the sill and associated chromitite bands might be enough to mine; however, the chromitite bands are so narrow that they could not be cobbed to ore grade even by careful hand sorting. Furthermore, where seen elsewhere in the area, the chromitite bands tend to maintain their narrow widths and there is, therefore, little reason to believe they might thicken into commercial ore bodies on the applicant's property.

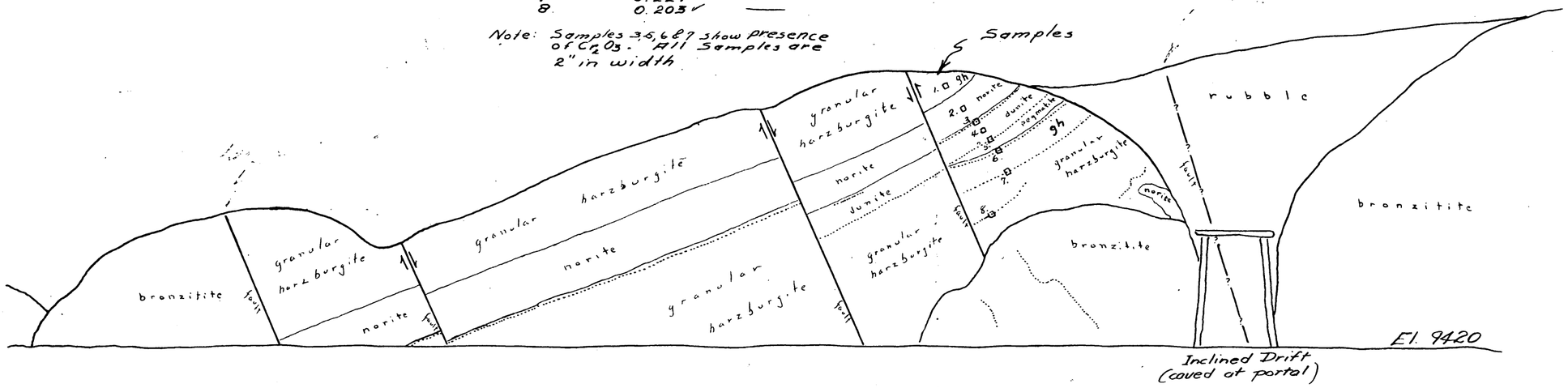
The limited thicknesses of the ore-bearing chromitite bands, the fact that these bands are cut off on both ends of the open cut by large faults, and the improbability of the bands being extensive and of their thickening into commercial ore bodies all rule against this property being a favorable exploration site. Furthermore, exploration would be prohibitively expensive because of the remoteness of the property, and the difficulty of working on the property except for a few months during the summer. For these reasons, the field examiners recommend denial of the subject application.

Enclosure 1

cc: DMEA (Orig. & 3)
USBM (2)
USGS (SRO)
Docket
Jackson

Sample No. 53 Bob	Nickel, %	Platinum, oz.
1	0.110	—
2	0.114	—
3	1.186	—
4	0.061	—
5	0.467	0.315
6	0.170	0.080
7	0.227	—
8	0.203	—

Note: Samples 3, 5, 6 & 7 show presence of Cr_2O_3. All samples are 2" in width



..... chromitite layer
gh granular harzburgite
3.0 Specimen for assay 53 BoB 1 to 53 BoB 8

Average attitude N60°W, dip - 30°-50°N

Scale

0 5 10 feet

Exposure in side of shovel cut of Pine Claim

Sweetgrass County, Montana

DMEA DOCKET 2881, MORTON K. WHITTAKER
NICKEL - PLATINUM. Examination by E.D. Jackson, A.L. Howland, P.R. Vail, U.S.G.S.
July 1, 1953

FILE COPY
SURNAME:

400

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

AUG 2 4 1953

Rutledge
Martin
Gillmore
Whittemore

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

Re: Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine mines
Sweet Grass County, Montana

Dear Mr. Weissenborn:

Reference is made to the subject docket and Mr. Kiilsgaard's letter of August 13, 1953, transmitting F. T. Merrill's letter of August 7, 1953, regarding abstracts covering patented claims in Sweet Grass County, Montana. These claims were said to be owned by a Mr. Taylor and to have been the object of an application for assistance by P. D. Miller, President, International Chrome Co., filed early in 1952. Mr. Taylor requested the return of the abstracts.

The subject docket does not cover the application referred to. The application under Docket No. DMEA 2881, Morton K. Whittaker, was filed February 7, 1953, almost a year after the application referred to by Mr. Merrill. We have no record in this office of an earlier application from Mr. Whittaker, or the abstracts referred to.

The property covered by DMEA 2881 is composed of three unpatented claims, which Mr. Whittaker states he owns, as follows: Pine, Pine No. 1, and Sunshine recorded in Book No. 32, pages 184, 178, and 183, respectively. No abstract, covering these claims was attached to the application, Docket No. 2881, or submitted later.

Sincerely yours,

W. S. Martin 857
ACTING Chairman, Operating Committee

APPROVED:

C. H. Johnson 857
Member, Bureau of Mines

D. M. Larrabee 857
Member, Geological Survey

FARutledge:foc 8-20-53

cc: Docket
Code 400
FT. REG. 2
Operating Comm.
Adm. Reading File
H. W. Davis, USBM
Phillip Guild, USGS

8-24-53

Docket

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

August 13, 1953

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

Re: Docket No. DMEA-2881 (Nickel)
Morton K. Whittaker property
Sweet Grass County, Montana

Dear Mr. Selfridge:

Enclosed are two copies of a letter from Mr. F. T. Merrill regarding the subject application.

Mr. Merrill calls attention to the fact that the applicant has failed to conform to the terms of the escrow agreement with the owner of the subject property and that the owner, Mr. Ralph C. Taylor, has obtained the return of all documents, which presumably pertain to the agreement, with the exception of certain abstracts covering the claims involved. Mr. Merrill also states that these abstracts were sent to this office during April 1952; however, a search of our files fails to find them. In this connection we note from a reference slip dated February 11, 1953, and attached to our copy of the application, that the application was originally transmitted to Washington, D. C. We therefore wonder if a copy of the abstract is not in the files in Washington. It is suggested that the abstract be returned to the owner as requested in the attached letter, if the release of such a document is possible.

Sincerely yours,

Thor H. Kiilsgaard
Acting Executive Officer
DMEA Field Team, Region II

Enclosure

cc: USBM (2)
Jackson

F. T. MERRILL
INVESTMENTS
204 FRATT BUILDING
BILLINGS MONTANA

August 7th, 1953.

RECEIVED
Department of the Interior
Bureau of Mines
RECEIVED
AUG 17 1953

Department of Interior
Bureau of Mines
1201 North Division Street
Spokane, Washington

Attention: Mr. Bolin

Gentlemen:

During the early part of 1952, Mr. P.D.Miller, Pres., International Chrome Co., and his associates - one of whom was D.F.Whittaker - applied for assistance in the development of some properties believed to contain chrome. These patented claims are located in Sweet Grass County, Montana, and are owned by Mr. Ralph C. Taylor of this city, whom I represent.

In connection with the application, abstracts covering the claims involved were sent to your office during April 1952. The abstracts had been originally placed in escrow in the Midland National Bank of Billings, Montana but at the request of Mr.Miller they were released in order that they might be sent to your office for examination. Mr. Miller failed to conform to the terms of the escrow agreement and Mr. Taylor has obtained the return of all of the documents with the exception of the abstracts. Mr. Miller has ignored Taylor's demand for their return, so Taylor's only recourse is to request that your office return the abstracts to him. It will be very much appreciated if you will do so. They may be sent to Mr. Taylor in my care or, if you prefer, to him at his residence which address is 623 South 33rd Street, Billings, Montana.

Mr. Taylor has been quite ill for some time and he will appreciate your early attention to this request for the return of the abstracts.

Yours very truly,

F. T. Merrill

ftm-s

F. T. Merrill.

Docket

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

RECEIVED
APR 27 1953

April 24, 1953

WSM

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

Re: Docket No. DMEA-2881 (Nickel)
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Selfridge:

This will acknowledge your letter of April 16, 1953, regarding examination of Mr. Whittaker's Pine and Sunshine mines in Sweetgrass County, Montana.

We will contact Mr. Whittaker and make arrangements for a field examination when weather permits as requested in your letter.

Sincerely yours,

A. E. Weissenborn

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

cc: USBM(2)
Jackson

Docket

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
APR 27 1953

April 23, 1953

Mr. Morton K. Whittaker
Northwest Bonded Escrows, Inc.
823 Second Avenue
Seattle 4, Washington

WSM

Re: Docket No. DMEA-2881 (Nickel)
Morton K. Whittaker
Pine and Sunshine Mines
Sweetgrass Co., Montana

Dear Mr. Whittaker:

We have received instructions from the Washington Office of the Defense Minerals Exploration Administration to make an examination of your deposit.

As the property is in the high country of Montana, it is probable that the area will not be accessible for some time yet because of snow. We would appreciate being informed by you when the snow is gone so that an examination can be made. It would be better to wait until the snow is pretty well gone rather than attempt to make an examination and find that very little can be seen because of snow cover. We, therefore, rely upon you to inform us when the examination can be made, and upon receipt of such information, we will arrange an examination as soon as we have a man free.

Sincerely yours,

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

cc: DMEA(2)
DSM(2)
Jackson

FILE COPY
SURNAME:

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

400 Rutledge
Davis
Martin
Thayer - see memo
Selfridge
Johnson

Mr. A. E. Weissenborn, Executive Officer APR 16 1953
DMEA Field Team, Region II
South 157 Howard Street
Spokane 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Weissenborn:

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

Mr. Whittaker has furnished us with the following additional information:

(1) Claim map on a Forest Service base.

(2) Topographic map showing the proposed work.

(3) A section through the deposit.

(4) Five assay sheets.

Copies of these data are enclosed. J. C. 4/16/53

Although your letter of March 2, 1953, indicates that the referenced property has few merits and possesses several handicaps, a Field Team examination seems desirable on the basis of the samples submitted which indicate the occurrence of nickel and up to 0.34 oz. of platinum per ton.

Sincerely yours,

George C. Selfridge (JHB)

Chairman, Operating Committee

Enclosures

APPROVED:

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

A. R. Kinney, Jr. (JHB)
Member, Geological Survey

P. S.--Two copies of a memorandum by T. P. Thayer, U. S. Geological Survey are enclosed.

Oper. Comm.
Adm. Reading File
H. W. Davis, USBM
T. P. Thayer, USGC

FARutledge/foc
4-10-53
Copy to: Docket
Field Team, Reg. 2
Code 400

FILE COPY
SURNAME:

Rutledge
Davis
Martin
Thayer
Hedges
Rutledge
Eggermann

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

APR 16 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your letter of April 6, 1953, transmitting maps and other data pertaining to the referenced application for exploration assistance. After a review by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration, the subject application has been referred to Mr. A. E. Weissenborn, Executive Officer, DMEA Field Team, Region II, South 157 Howard Street, Spokane 4, Washington, for a field examination.

The Regional Office will contact you at an early date with regard to an examination of your property. Any assistance that you can render the members of the field team during the examination will be appreciated.

Sincerely yours,

C. O. Mittendorf (fwd)

Administrator

J. C. 4/16/53

FARutledge/foc
4-10-53

Copy to: Docket
Field Team, Reg. 2
Code 400
Operating Committee
Adm. Reading File
H. W. Davis, USBM
T. P. Thayer, USGS

IN REPLY REFER TO:

G-MD-TPT

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

April 14, 1953

Memorandum

To: W. S. Martin, DMEA

From: T. P. Thayer, USGS

Subject: DMEA-2881, Nickel
Morton K. Whittaker

I concur completely with Jackson's memo to the effect that the chances of an economic deposit are very slight. Having experience with Mr. Whittaker on other matters, I would be inclined to discount his claims.

Mr. Jackson will be in the area later in the summer on other work, and in the interests of all concerned, it might be well for him to visit the claims then. Because of the altitude, the claims probably will not be accessible for some time anyway.

T. P. Thayer

T. P. Thayer

Copy retained 100

Docket.

NORTHWEST BONDED ESCROWS, INC.

ELliot 5522
823 Second Avenue
SEATTLE 4, WASHINGTON

April 6, 1953

Docket No. DMEA 2881-Nickel
Morton K. Whittaker
Pine and Sunshine Mines

Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
APR 8 1953

WSM

Att: Mr. C. O. Mittendorf

Gentlemen:

In reply to your letter of March 27th, I believe that we have assembled all of the data you requested.

You will find enclosed 2 claim maps marked "Exhibit A". I have attached assay reports marked "Exhibits No. 1 -2 - 3 - 4 - and 5." The locations of the various places from which samples were taken are indicated on this map. This map also indicates proposed exploration work.

You will find 2 copies of maps designated as "Exhibit B".

I am also enclosing 2 copies of Forest Service maps with mineral claims added. This map shows the topography of the land and is marked "Exhibit C".

When your field geologists are ready to examine the property, I would appreciate having a few days advance notice, and I will arrange for a guide with horses to take them directly to the mining claims.

Yours very truly,

Morton K. Whittaker

Morton K. Whittaker

Copy retained 400

Copies of maps put in brown envelope in official docket.

EXHIBIT No. 1

Docket No. DMEA 2881 - Nickel Morton K. Whittaker

CERTIFICATE

LAUCKS TESTING LABORATORIES
INCORPORATED

1008 WESTERN AVENUE
SEATTLE 4, WASHINGTON

CHEMISTS • ENGINEERS
SAMPLERS • INSPECTORS
ASSAYERS • SPECTROGRAPHERS

Authorized, Bonded, Certified, or Licensed by National Trade Organizations and Associations and Federal and State Departments.

Date 4/2/53

Laboratory No. 5676-A

To Mr. M. K. Whittaker
823 - 2nd Avenue
Seattle, Washington

Report on ORE

Sample Identification Marked: From Pine Quartz Load Claim

Tests Performed and Results:

Nickel (Ni) ---------- 1.23%

Platinum (Pt) ---------- 0.24 oz. per ton

Respectfully submitted,

LAUCKS TESTING LABORATORIES, INC.

By F. P. Owens

FPO: mj

MEMBER

THIS REPORT IS SUBMITTED FOR THE EXCLUSIVE USE OF THE PERSON, PARTNERSHIP, OR CORPORATION TO WHOM IT IS ADDRESSED. SUBSEQUENT USE OF THE NAME OF THIS COMPANY OR ANY MEMBER OF ITS STAFF IN CONNECTION WITH THE ADVERTISING OR SALE OF ANY PRODUCT OR PROCESS WILL BE GRANTED ONLY ON CONTRACT. THIS COMPANY ACCEPTS NO RESPONSIBILITY EXCEPT FOR THE DUE PERFORMANCE OF INSPECTION AND/OR ANALYSIS IN GOOD FAITH AND ACCORDING TO THE RULES OF THE TRADE AND OF SCIENCE.

EXHIBIT NO. 2

At Olympic Foundry

Docket No. DMEA 2881 - Nickel
Morton v. Whittaker

Phone RAinier 7123

METALLURGICAL LABORATORY

WILLIS H. OTT

ASSAYERS
Umpire and Smelter Control

METALLURGISTS
5200 AIRPORT WAY
SEATTLE 8

CHEMISTS
Physical and Chemical Testing

No. 1941

CERTIFICATE OF ANALYSIS

Date Sept. 20, 1950

Submitted by D. V. Bebst, 5102 Mead Street, Seattle 8

From Pine Quartz Load Claim
Sweet Grass County, Montana

Platinum ...0.34 oz per ton.

METALLURGICAL LABORATORY.

Willis H. Ott

EXHIBIT NO. 3

At Olympic Foundry

Docket No. [redacted]EA - Nickel-Morton K. Whi[redacted]aker

Phone RAinier 7123

METALLURGICAL LABORATORY

WILLIS H. OTT

ASSAYERS
Umpire and Smelter Control

METALLURGISTS
5200 AIRPORT WAY
SEATTLE 8

CHEMISTS
Physical and Chemical Testing

No. 1918

CERTIFICATE OF ANALYSIS

Date Sept. 8, 1950

Submitted by D. F. Whittaker

From Pine Quartz Load Mining Claim
Sweet Grass, County, Montana

Bolder Plateau,
Sweetgrass County.

Tellurium ..... nil

Platinum ..... 0.08 oz per ton.

METALLURGICAL LABORATORY.

Willis H. Ott

EXHIBIT No. 4

A. V. TRENT,
Owner-Manager

GOODALL BROTHERS

Docket No. DMEA
2881 - Nickel
Morton K. Whittaker

ASSAYERS AND METALLURGICAL CHEMISTS

46 SO. MAIN ST., HELENA, MONTANA

TEL. 628
P. O. BOX 537

From Pine Quartz Load Mining Claim
Sweet Grass County, Montana

Date Feb. 10, 1953.

UMPIRE ASSAY..... CONTROL ASSAY..... HAND SAMPLE X

ASSAYED FOR: M. K. Whittaker 823 2nd. Ave.

MARKS: Seattle 4, Wash. Pt.

Sample No.	DESCRIPTION	GOLD Ozs. Per Ton	SILVER Ozs. Per Ton	WET LEAD Per Cent	COPPER Per Cent	ZINC Per Cent	IRON Per Cent	~~INSOL.~~ XXX Per Cent	Ni. Per Cent	Total Value Per Ton
#1								0.02	0.45	
#5								0.04	0.61	
#8								0.05	0.28	

Gold not deducted: .....

Charges $ .....

GOODALL BROS.

By A. V. Trent

EXHIBIT NO. 5

Docket No. DMEA
2881 - Nickel
Morton K. Whittaker

A. V. TRENT,
Owner-Manager

GOODALL BROTHERS

ASSAYERS AND METALLURGICAL CHEMISTS

46 SO. MAIN ST., HELENA, MONTANA

TEL. 628
P. O. BOX 537

From Pine Quartz Load Mining Claim
Sweet Grass County, Montana

Date Feb. 10, 1953.

UMPIRE ASSAY..... CONTROL ASSAY..... HAND SAMPLE X

ASSAYED FOR: M. K. Whittaker 823 2nd. Ave.

MARKS: Seattle 4, Wash.

Sample No.	DESCRIPTION	GOLD Ozs. Per Ton	SILVER Ozs. Per Ton	WET LEAD Per Cent	COPPER Per Cent	ZINC Per Cent	IRON Per Cent	~~INSOL. Per Cent~~ Pt.	Ni. Per Cent	Total Value Per Ton
#2								none	0.67	
#3								none	0.73	
#7								none	0.61	

Gold not deducted: .....

Charges $ .....

GOODALL BROS.

By A. V. Trent

400

FILE COPY
SURNAME:

Rutledge
Martin

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

MAR 2 7 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

J.C. 3/27/53

Re: Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

Reference is made to your application for exploration assistance at the subject property. On February 24, 1953, we wrote you requesting additional information required to process your application and advising that you would need to submit maps before we could refer the proposed project to our Field Team for an examination.

To date, neither the maps nor the requested data have been received. We wish to co-operate fully in the matter of allowing ample time for the submission of the necessary data, but if the required data have not been received by April 30, 1953, we will then remove the referenced application from the active files and consider the matter closed.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: Docket
Field Team, Region 2
Code 400
Admn. Read. File
H. W. Davis, USBM
T. P. Thayer, USGS

FARutledge/hhb
3/26/53

Docket

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
MAR 6 1953

March 2, 1953

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

Re: Docket DMEA-2881 (Nickel, Platinum)
Whittaker Property
Sweetgrass County, Montana

Dear Mr. Selfridge:

Thank you for transmitting Docket No. DMEA-2881, filed by Morton K. Whittaker, concerning nickel claims in Sweetgrass County, Montana.

Concentrations of nickel and copper occur within and immediately below the chilled basal norite of the Stillwater complex along the entire 30 miles of its length. Pyrrhotite, chalcopyrite, and pentlandite occur as scattered grains replacing norite and the hornfels below it. The best exposure of sulphide concentrations is on the west side of the Stillwater Valley, in the canyon of Verdigris Creek. In this area the sulphides occur as disseminations and small massive pods in hornfels, associated with satellitic norite sills. Certain primary structural controls are believed favorable to sulphide accumulation in this area, and these structural features are not known elsewhere in the complex on the same scale.

Only one analysis of these sulphides is known, made on a hand specimen from a dump in the Verdigris Creek area. This is published in Mont. Bur. Mines and Geology, Misc. Cont. No. 7, page 11, by A. L. Howland et. al., and is as follows:

Assay by International
Nickel Co. of Canada

Cu, percent	1.85
Ni, percent	0.55
Pt, oz. per ton	0.0085*
Pd, oz. per ton	0.0025
Au, oz. per ton	0.0020
Chalcopyrite (calculated from percent Cu)	5.32
Pentlandite (calculated from percent Ni)	1.50

* Includes Rh, Ru, Ir, probably not in excess of 1 percent of the total amount of the Pt metals present.

Development work on the Mouat properties on Verdigris Creek and on the east side of the Stillwater River has been continued on a small scale for a number of years. Prior to World War II development work was also done on the Benbow Claims, at the head of Little Rocky Creek, a tributary of the Stillwater River. To our knowledge, no ore has ever been shipped from any of these properties.

As nearly as can be determined from the docket, Whittaker's claims lie about 13 miles west of the Verdigris Creek deposits, at an elevation of about 9,500 feet. The area is only two air miles from the gravelled Boulder River road, but the difference in relief is over 4,000 feet. Any ore reaching the Boulder River road would have to be trucked over 30 miles to the nearest railroad terminus at Big Timber.

In view of the inaccessibility of the area, the absence of any economic sulphide deposits, even in the most structurally favorable area, along the base of the Stillwater complex, and the low grade of the known sulphide concentrations, no examination of the applicant's property will be made unless specifically requested by Washington.

Sincerely,

E. D. Jackson

E. D. Jackson
For: A. E. Weissenborn
Executive Officer, DMEA
Field Team, Region II

cc: USBM (2)
Jackson

400

FILE COPY
SURNAME:

Rutledge
Martin

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

FEB 24 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Re: Docket No. DMEA 2881 - Nickel
Morton K. Whittaker
Pine and Sunshine Mines
Sweet Grass County, Montana

Dear Mr. Whittaker:

This will acknowledge receipt of your application for exploration assistance on the referenced property. In your letter of February 7, 1953, covering the subject application, it was noted that maps of the property were to be forwarded at a later date, but such maps have not been received.

The information submitted with your application is insufficient to justify a field examination. Before we can refer the subject application to the field, we must have maps showing the local geology, the proposed exploration, present workings, and the target of the proposed exploration. It also will be necessary for you to furnish us with assays. The location and length of the samples should be shown on the maps in order that we may determine if your property can qualify for further investigation.

Your application will be held in abeyance until the information requested above is received.

Sincerely yours,

C. O. Mittendorf (fw)

Administrator

cc: Docket
Field Team, Region 2
Code 400
Admn. Read. File
H. W. Davis, USBM
T. P. Thayer, USGS

FARutledge/hhb
2/20/53

February 11, 1953

Mr. Morton K. Whittaker
823 2nd Avenue
Seattle 4, Washington

Subject: DMEA-2881
Re: Exploration Assistance
Pine and Sunshine Mines

My dear Mr. Whittaker:

The receipt of your application dated February 7, 1953 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2881 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2881 in any future correspondence relating to your application.

Sincerely yours,

Robert E. Adams
Chief, Operations Control
and Statistics Division

25451

dmea 2881

NORTHWEST BONDED ESCROWS, INC.

ELliot 5522
823 Second Avenue
SEATTLE 4, WASHINGTON

February 7, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 9 1953

Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Gentlemen:

Enclosed are four copies of Application for Aid in an Exploration Project, Pursuant to DMEA Order 1, Under the Defense Production Act of 1950, As Amended.

I will forward maps of the property at a later date.

Very truly yours,

M. K. Whittaker

M. K. Whittaker

MKW:mpf
Enc. 4

2/13/53
Mr. Thayer phoned to see if maps rec'd & when advised the Applicant promised to send some later, he could no recommendation can be made on the Bond request as the description of land in the application is too indefinite to determine the mineral location.
2/13/53 L.S.

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
RECEIVED
FEB 9 1953

Budget Bureau No. 42-R1035.2.

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

Not to be filled in by applicant

Docket No. dmea-2881
Metal or Mineral
Date Received 2-9-53
Estimated Cost
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Morton K. Whittaker
823 2nd Ave., Seattle 4, Washington

(*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

	Date Filed	Book No.	Page No.	
Pine Quartz Lode Mining Claim	Nov. 27, 1950	32	184	Sweet Grass Co.
Pine No. 1	Nov. 27, 1950	32	178	" " "
Sunshine	Nov. 27, 1950	32	183	" " "

(*b*) State any mine name by which the property is known. Pine & Sunshine Mines

(*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. Unpatented - Described above

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 nickel & platinum

(*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 10 days and be completed within 6 months from the date of an exploration project contract. providing loan is approved by August 1, 1953

(*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. To be furnished by contractor

(*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. All equipment to be furnished by contractor

(*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. Cabin as shown on map, also 1 tent

(*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. none

(*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. Contractor to furnish & maintain all eqpt.

$3500.00 (*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 [ ] 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 February 7, 1953

Morton K. Whittaker
(Applicant)

By

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

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

Mor[illegible]i K. Whittaker
823 2nd ave.
Seattle 4, Washington

(b) The mine has not been in production, and no ore has been blocked out. The assays from various ore samples show from 0.4 to 1.5% nickel, and 0.06 to .38 oz. in platinum.

(c) The nickel, platinum deposits on the Pine claim are situated immediately south of the Stillwater complex of ultrabasic intrusive rocks. The nickel, platinum deposit is found in the Basal zone of Norite which extends upward into the bottom of the ultrabasic zone. This mineral deposit appears to be of later mineralization subsequent deposition. The zone of mineralization is more prominent near the center of the Pine claim. The development work that has been done consists of an open cut about 60 feet long, with average height of 12 feet and depth of 10 feet. On one end of this cut an incline shaft was run to a depth of about 30 feet. The mineral may have originated from a depth of several thousand feet, assimilating into the Nortie after the latter period of the faulting. On the surface the nickel runs about 0.4 per cent and the platinum 0.06 oz. per ton. On the end of the incline shaft assays showed nickel as high as 1.5 per cent and the high on platinum of 0.38 oz. I believe that a large commercial nickel deposit may be found through further exploration. In various places for a distance of several miles along the Basil zone nickel and platinum occur in small quantities. However on the Pine claims the values are much greater showing consentration of mineralization.

(d) The property is situated in Sweet Grass County, Montana, about 35 miles from Big Timber. The gravel road extends up along the Main Boulder river and is accessible throughout the year. The mine is now reached from the Noah Ball dude ranch, about 30 miles from Big Timber. From the Noah Ball ranch it is neccessary to travel about 7 miles by trail to the mine. The mine can be made accessible by a road as indicated on the map, and this road could be made accessible throughout the year at a reasonable cost. After the exploration work is completed, it may be desirable to mine the ore deposits froma tunnel at about the 8000 ft. level near Bobcat basin.

(e) Manpower is available in the Big Timber, Livingston area. The contractor will have labor, materials and equipment available to start work within 10 days after award of contract. The contractor will supply the power for his contract. Sufficient water is available from a spring near the cabin as indicated on the map. An abundance of water is available in Bobcat creek for a large mining and milling operation.

Mort[illegible] K. Whittaker
825 [illegible]d Ave.
Seattle 4, Washington

5.
(d) I am successfully operating and administerting my own business. I have worked in mines and construction work. I propose to contract trenching, diamond drilling and drifting to a qualified contractor.

6. Estimate of cost

Geologist - 20 days @ $50.00 per day	$1,000.00
Mining engineer in charge of development, sampling logging, diamond drill cores etc. 100 days @ $50.00	5,000.00
(b) Other services & labor	2,000.00
Assaying & Misc.	500.00
(a) Removal of overburden & trenching with TD24 dozer, dozer rental included moving dozer to job site and back to owners yard - dozer to be fully maintained and operated by owner @ $21.00 per hr. for 600 hrs.	12,600.00

Diamond drilling - includes transportation of all plant and equipment, including water pipe etc. necessary to complete diamond drilling according to plans and specifications which will be subject to revisions. Drilling contractor to also furnish labor as follows:

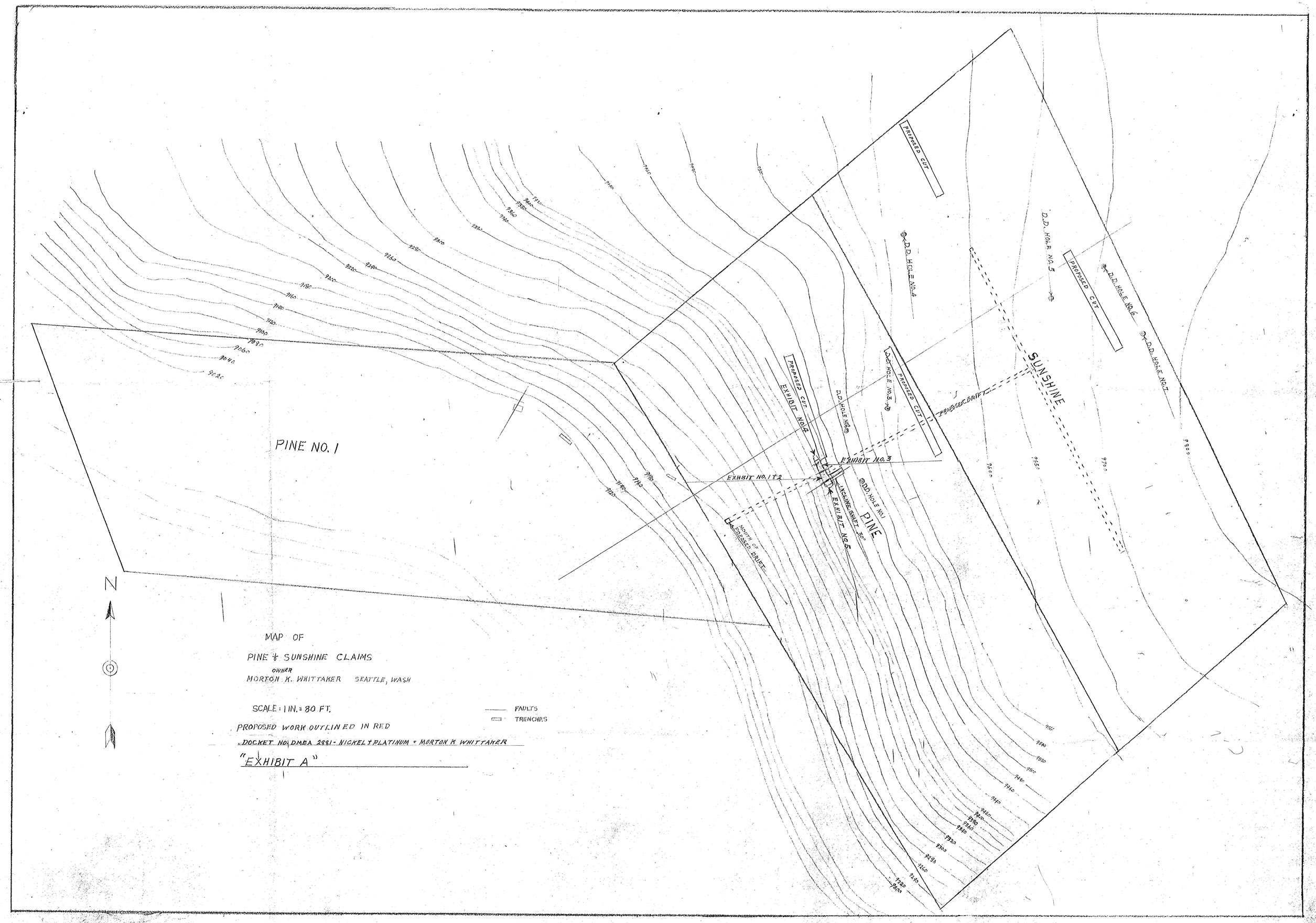
No of Holes	Depth of Holes	Total depth of holes	Unit cost per foot	Cost
2	100 ft.	200 ft.	$6.75	$1,350.00
2	200 ft.	200 ft.	7.00	1,400.00
2	350 ft.	700 ft.	7.25	5,075.00
2	600 ft.	1200 ft.	7.50	9,000.00
2	1000 ft.	2000 ft.	7.75	15,500.00
		4300	Total cost - - - - -	$52,323.00

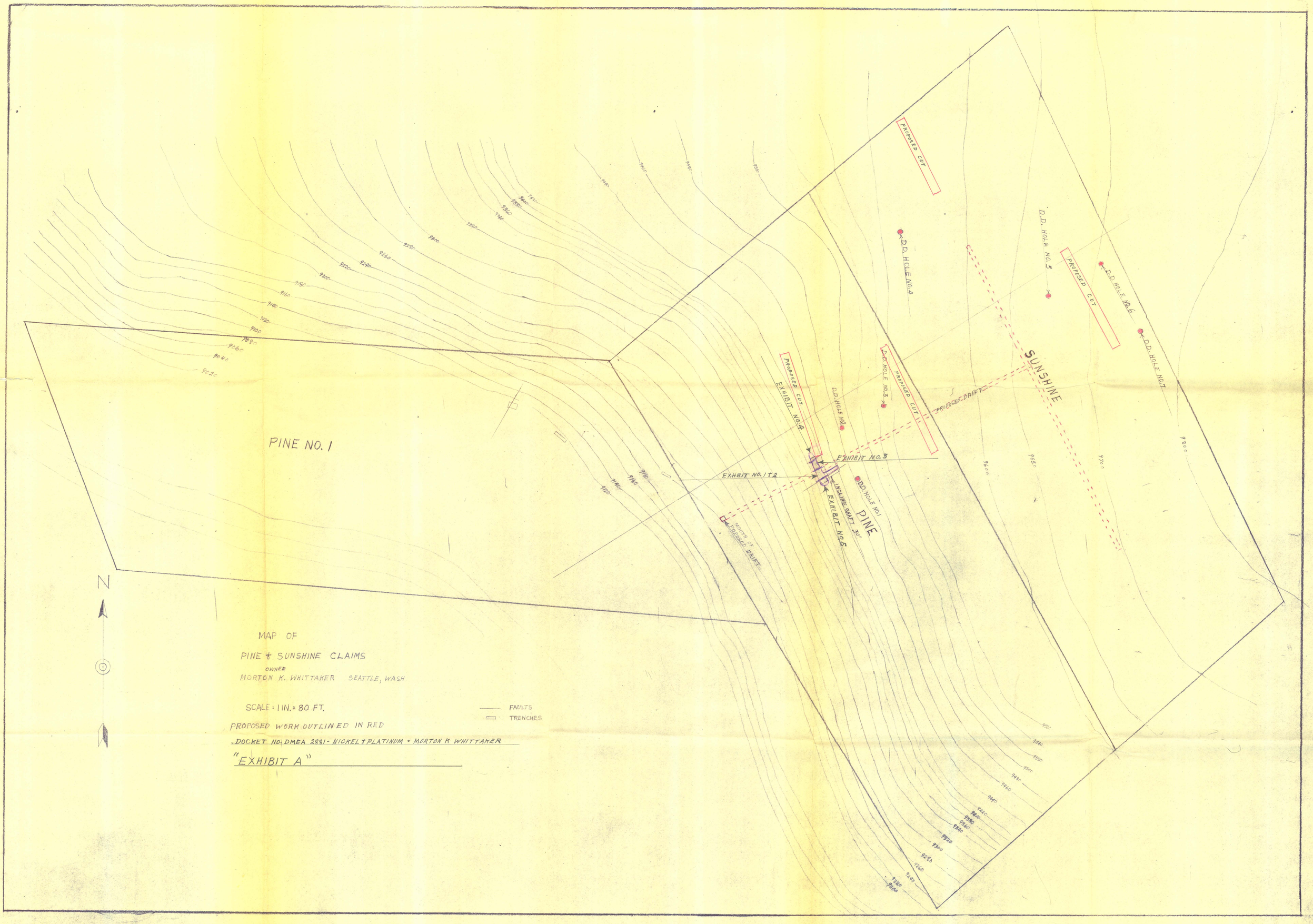
Drifting 1610 ft. @ $44.00 per ft., contractor to furnish all plant, labor and equipment to complete the work as may be specified in the contract $70,840.00

(h) Contingencies 3,500.00

Total exploration cost ---------- $127,763.00

I propose to call for bids and award the proposed exploration work to the lowest qualified bidder. A preliminary survey was made for a road as indicated on the map, and a contractor could provide himself with a cat trail to get his equipment in for less money than it could be packed in by horses or flown in by plane. This cat trail could possible be completed in a few days. It is entirely up to the contractor which method he used to get in his equipment.


PINE NO. 1
PROPOSED CUT
D.D. HOLE NO. 4
D.D. HOLE NO. 5
D.D. HOLE NO. 6
D.D. HOLE NO. 7
SUNSHINE
PROPOSED DRIFT
D.D. HOLE NO. 3
D.D. HOLE NO. 2
D.D. HOLE NO. 1
EXHIBIT NO. 1 & 2
EXHIBIT NO. 3
EXHIBIT NO. 4
EXHIBIT NO. 5
PINE
NORTH OF PROPOSED DRIFT
N
MAP OF
PINE & SUNSHINE CLAIMS
OWNER
MORTON K. WHITTAKER SEATTLE, WASH
SCALE: 1 IN. = 80 FT.
PROPOSED WORK OUTLINED IN RED
DOCKET NO. DMEA 2881 - NICKEL & PLATINUM - MORTON K WHITTAKER
"EXHIBIT A"
FAULTS
TRENCHES


PINE NO. 1
PROPOSED CUT
D.D. HOLE NO. 4
D.D. HOLE NO. 5
D.D. HOLE NO. 6
D.D. HOLE NO. 7
D.D. HOLE NO. 3
D.D. HOLE NO. 2
D.D. HOLE NO. 1
SUNSHINE
PINE
PROPOSED DRIFT
EXHIBIT NO. 4
EXHIBIT NO. 3
EXHIBIT NO. 1 & 2
EXHIBIT NO. 5
INCLINE SHAFT 30°
MOUTH OF PROPOSED DRIFT
N
MAP OF
PINE & SUNSHINE CLAIMS
OWNER
MORTON K. WHITTAKER SEATTLE, WASH
SCALE: 1 IN. = 80 FT.
PROPOSED WORK OUTLINED IN RED
DOCKET NO. DMEA 2881 - NICKEL & PLATINUM = MORTON K WHITTAKER
"EXHIBIT A"
FAULTS
TRENCHES

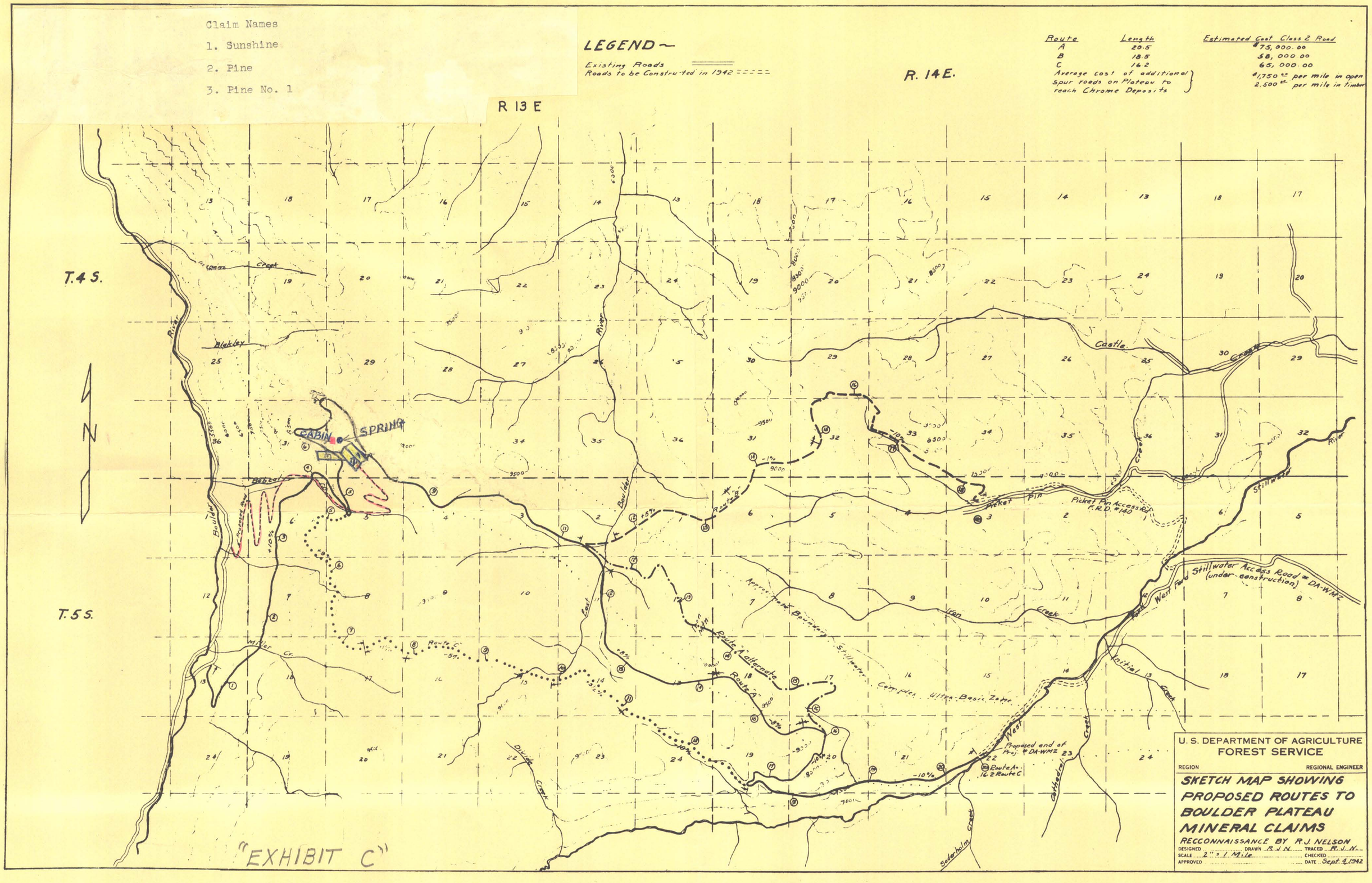
Claim Names

1. Sunshine
2. Pine
3. Pine No. 1

LEGEND ~

Existing Roads
Roads to be Constructed in 1942

Route	Length	Estimated Cost Class 2 Road
A	20.5	$75,000.00
B	18.5	$58,000.00
C	16.2	65,000.00
Average cost of additional spur roads on Plateau to reach Chrome Deposits		$1,750.00 per mile in open 2,500.00 per mile in timber



U. S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE

REGION — REGIONAL ENGINEER

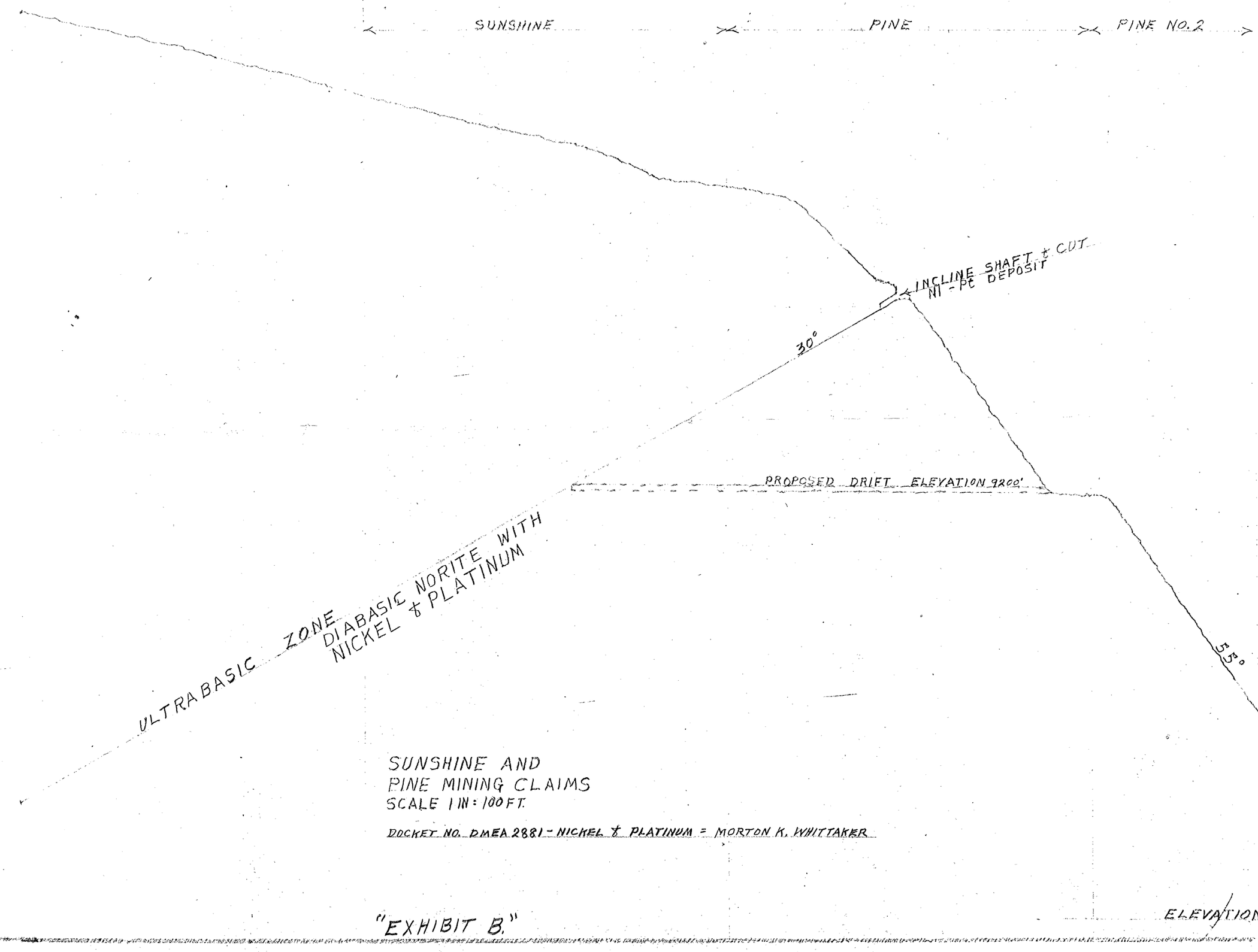
SKETCH MAP SHOWING PROPOSED ROUTES TO BOULDER PLATEAU MINERAL CLAIMS

RECCONNAISSANCE BY R.J. NELSON

DESIGNED ..... DRAWN R.J.N. TRACED R.J.N.
SCALE 2" = 1 Mile CHECKED .....
APPROVED ..... DATE Sept. 4, 1942

"EXHIBIT C"

DOCKET NO. DMEA 2881-NICKEL = MORTON K. WHITTAKER



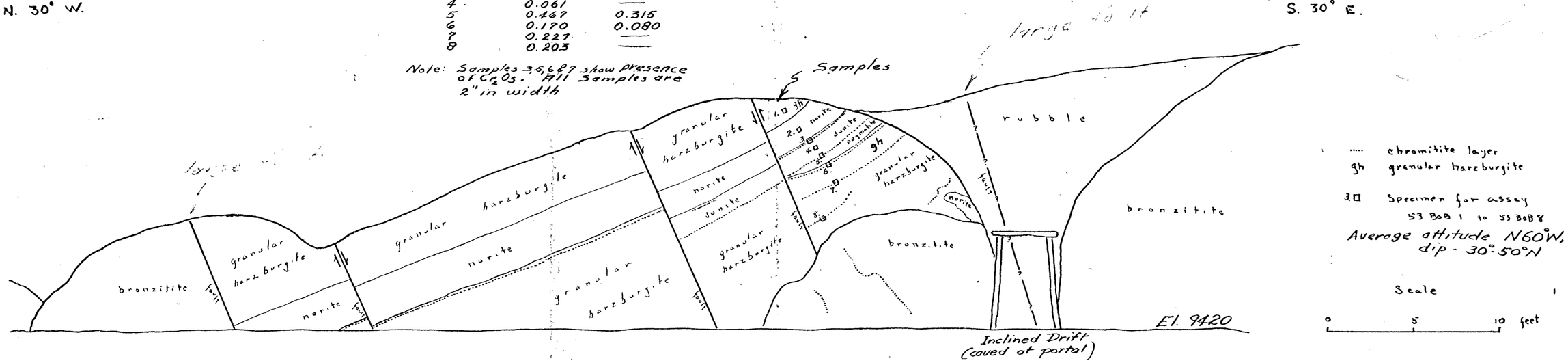
SUNSHINE AND
PINE MINING CLAIMS
SCALE 1 IN: 100 FT.

DOCKET NO. DMEA 2881 - NICKEL & PLATINUM = MORTON K. WHITTAKER

"EXHIBIT B."

Sample No. 53 Bob	Nickel, %	Platinum, oz.
1	0.110	—
2	0.114	—
3	1.186	—
4	0.061	—
5	0.467	0.315
6	0.170	0.080
7	0.227	—
8	0.203	—

Note: Samples 3,5,6&7 show presence of Cr_2O_3. All Samples are 2" in width



Exposure in side of shovel cut of Pine Claim

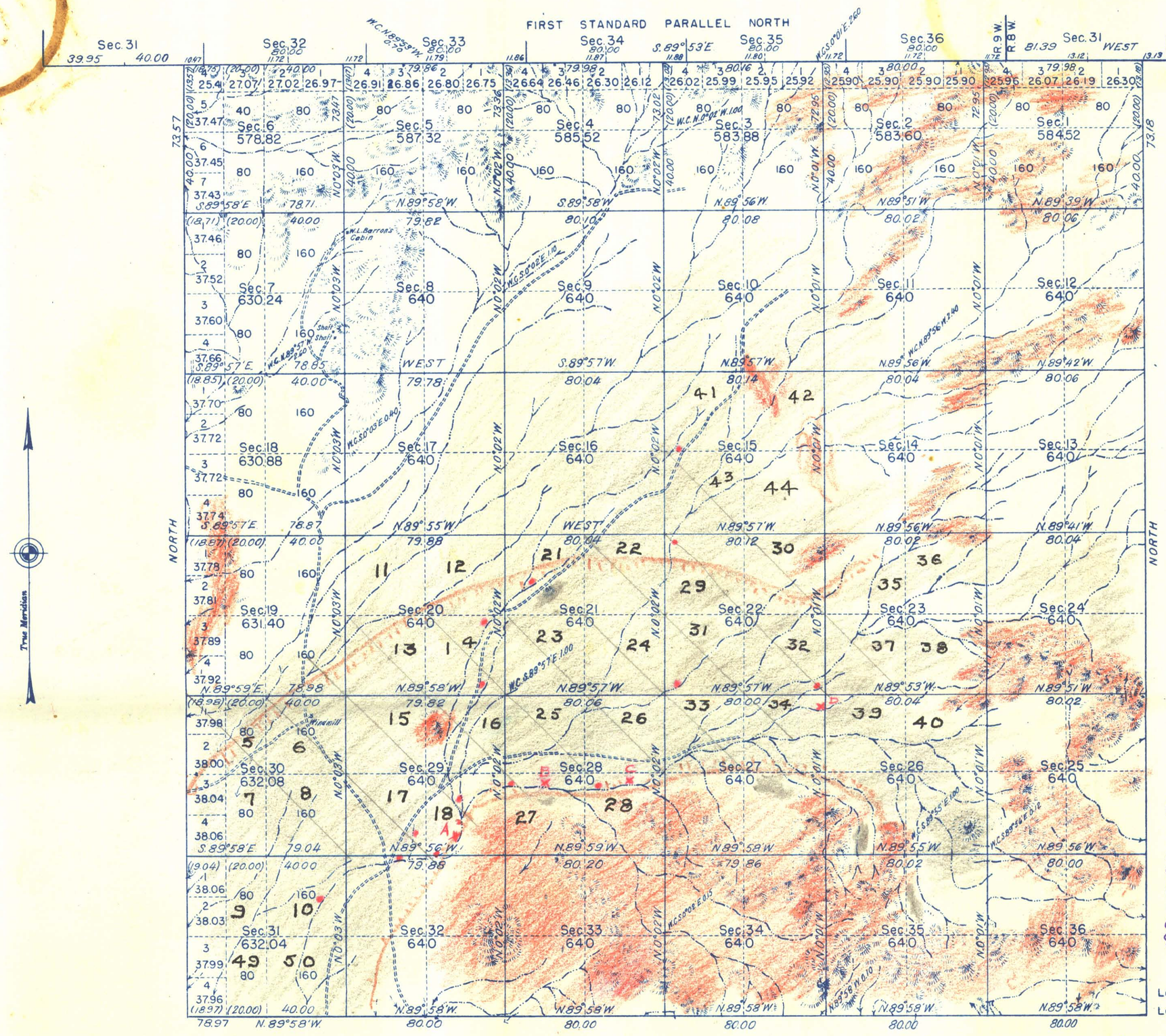
Sweetgrass County, Montana

DMEA DOCKET 2881, MORTON K. WHITTAKER

NICKEL--PLATINUM. Examination by E.D. Jackson, A.L. Howland, P.R. Vail, U.S.G.S.

July 1, 1953

TOWNSHIP No.4 NORTH, RANGE No.9 WEST OF THE GILA AND SALT RIVER MERIDIAN, ARIZONA



Docket DMEA-2880
(Monozite & Rare Earth Minerals)
Black Magic Placer Claims
Maricopa Co., Arizona

Sketch of Test Hole Wall
to show tendency for accumulation
of heavy concentrates

Test Holes
- 2% or more heavy conc.

Ax 2.25% heavy conc.
Bx 10.0% " "
Cx 8.0% " "
Dx 14.0% " "

Latitude: 33°38'14"N.
Longitude: 113°07'38"W.

Tertiary Volcanic Rock
Granitic Rock or Alluvium
Boundary line for deeper and darker red Alluvium
Claim numbers in ink

Mean Magnetic Declination 14° E.

Area surveyed: 22,660.30 acres.

LINES DESIGNATED	BY WHOM SURVEYED	GROUP NO.	DATE OF SPECIAL INSTRUCTIONS	WHEN SURVEYED BEGUN	WHEN SURVEYED COMPLETED
N.Bdy. Res. (part)	Hans D. Voigt	59	Sept. 24, 1915	1916	
N.Bdy. Res. (part)	G. Marvin Litz	234	Oct. 29, 1941	1942	
E.Bdy.	Glenn F. Sawyer	132	Oct. 8, 1924	1925	
S.Bdy.	D.R. Averill	156	Oct. 23, 1928	1929	
W.Bdy.	F. Wayne Forrest	234	Oct. 29, 1941	1943	
Subdivisional	F. Wayne Forrest	234	Oct. 29, 1941	Apr. 5, 1946	May 13, 1946

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Denver, Colorado, June 25, 1947.

This plat is strictly conformable to the field notes of the survey which have been examined and approved.

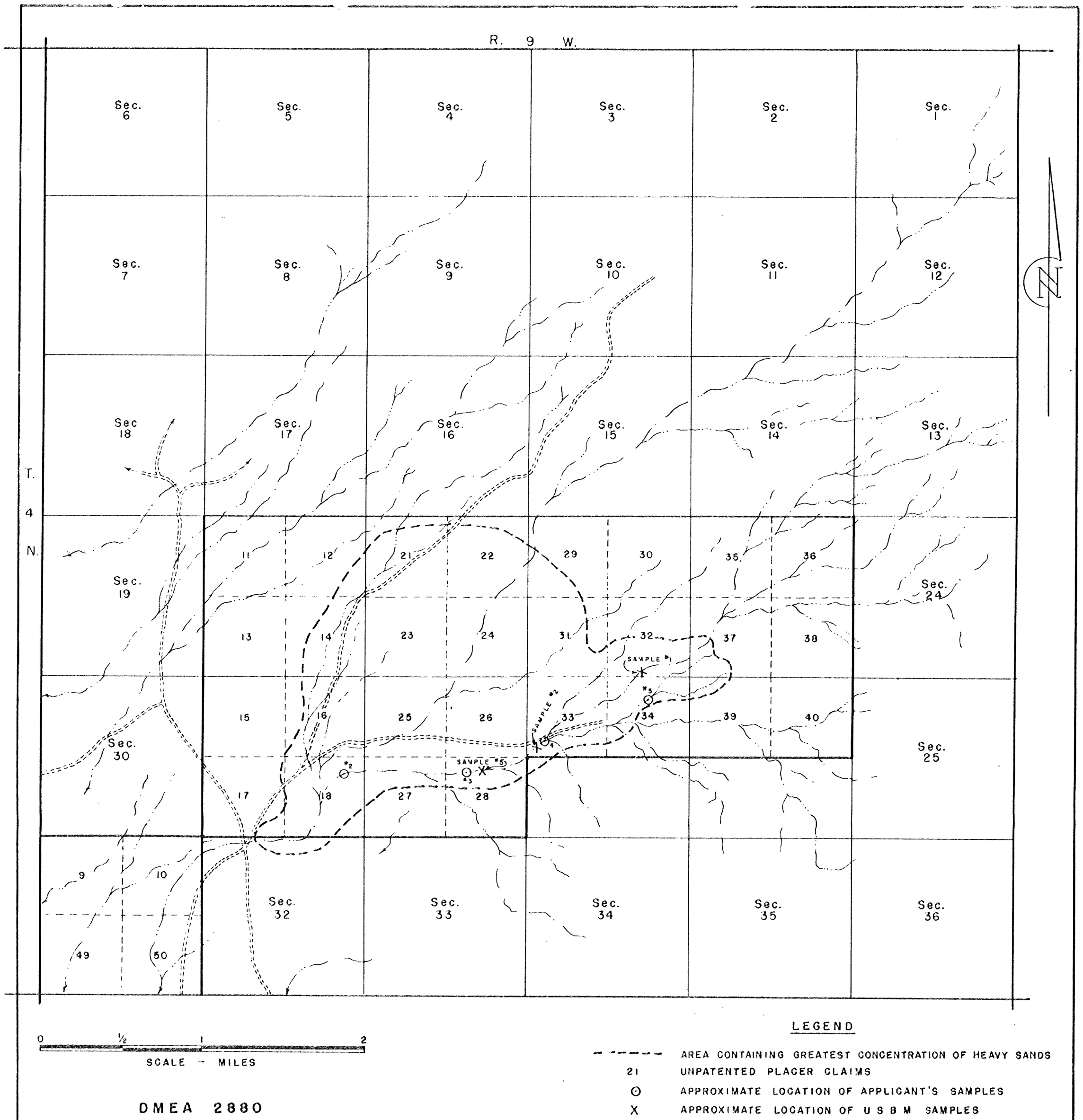
C. H. Horton Jr.

Acting Chief Cadastral Engineer.

Washington, D. C.,

The survey represented by this plat, having been correctly executed in accordance with the requirements of law and the regulations of this office, is hereby accepted.

Director.



DMEA 2880

FIGURE 3. - SKETCH MAP - BLACK MAGIC PLACER CLAIMS
MONAZITE AND RARE EARTHS MARICOPA COUNTY, ARIZONA