DMA Form 1

DEFENSE MINERALS ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMA Docket No. 1600X

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Any action taken to change the type of request for assistance must be promptly reported to the Reports and Records Branch. Use DMA Form 2 for submitting these reports.

Routing Slip

To:	Gowen	Date	7/11/51
To:	Lyon	Date	10/1/51
To	Reports and Records	Date	OCT 5 1951
To:		Date	
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CONTROLLED DOCUMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Sc. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: Otto Herres

Through: L. F. Strobel

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a report on the Yogo Peak property. Although visited late in June, snow conditions made a complete examination impossible. The property appears to have some possibilities, and another examination will be scheduled at a later date.

Field Team, Region II

A. A. Weissenborn, Exec. Officer
(U. S. Geological Survey)

M. A. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: U. S. Bur. Mines
Spokane, Wash.
Albany, Oregon

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 - 1951
LANDON F. STROBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 167 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

A.E. Weir abroad

To: DMA Field Team, Region II

From: L. R. Klepper

Subject: Examination of Yogo Peak mine, Judith Basin County, Montana

In accordance with your verbal request, Val Freeman and I visited the Yogo Peak Property in Judith Basin County, Montana, in company with Mr. H. A. Whittaker, P.O. Box 4004, Seattle, Washington. Mr. Whittaker, owner of the property, has applied for DMA assistance in an exploration project.

The Yogo Group, comprising some 80 claims, extends along a contact between monzonite (Weed, Little Belt Mountains, U.S.G.S. Folio 56), which forms the summit of Yogo Peak, and limestone into which the monzonite has been intruded.

Pits, short adits, and shallow shafts explore copper-bearing magnetite-rich skarn zones at or near the intrusive contact for a length of between one and two miles. Near the east end of the property a bedded replacement of limestone by sphalerite with sporadic bunches of argentiferous galena has been prospected by an inclined shaft. This deposit is said to have averaged 6 inches to 2 feet in thickness for a length of 10 to 20 feet and an inclined distance of at least 40 feet.

Unfortunately all adits are now caved and all surface pits and inclines and many of the dumps were snow-covered at the time of this examination.

Several tons of sphalerite-rich ore were seen on the dump from the incline on the replacement zinc-lead body and cupriferous magnetite containing specks of chalcopyrite and films of malachite is common on several dumps.

The writer recommends that a re-examination of this property be made later in the summer when the surface is free of snow so that a fairer appraisal of the property can be given.

cc: L. F. Strobel
U. S. Bureau of Mines
Spokane, Wash., Albany, Oregon

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

Memorandum: OCT 5 1951

To: Administrative Management Division

From: Director, Supply Division

Subject: Application for exploration aid of Mr. N.A. Whittaker, P. O. Box 4064, Seattle, Washington, DMA-1600X, Commodity-Copper

Denial of this application is recommended by Field Team Region II for the following reasons:

1. The applicant did not have a definite exploration program to offer at the time of the DMA examination.

2. It is doubtful that if any magnitite-copper ore bodies which possibly exist could support an economic mining operation.

A letter has been prepared to the applicant notifying him of this denial.

Transmitted herewith for your disposal is the entire file consisting of the following:

3 MF-103 with answer sheets attached
2 Field Team Reports dated September 5, 1951
1 Memo from A. E. Weissenborn to Mr. Tom Lyon, September 20, 1951 (1 original and 4 copies)

1 Original Memo Glenn C. Reed to A. E. Weissenborn, May 28, 1951
1 Original letter from E. A. Youngberg to L. F. Strobel, May 31, 1951
1 Memo A. E. Weissenborn to Otto Heres July 29, 1951 with Memo from Mr. M. R. Klepper to DMA Field Team Region II, June 27, 1951 attached (1 original and 2 copies).

For Tom Lyon, Director
Supply Division

Attachments

FILE COPY
SURNAME:

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

OCT 1951

A.E.C.

Memorandum:

To: Administrative Management Division

From: Director, Supply Division

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1 Memo A. E. Weissenborn to Otto Heres July 29, 1951 with Memo from Mr. M. R. Klepper to DMA Field Team Region II, June 27, 1951 attached (1 original and 2 copies).

AB Tom Lyon

for Tom Lyon, Director
Supply Division

Attachments

EVWaugh:ez
10/1/51
Copy to: Administrator's Reading File, Field Team II
Gowen, C.H.Johnson, D.MacLaren, Files - DMA Docket

FILE COPY
SURNAME:

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

OCT 5 1951

Mr. W. A. Whittaker
P. O. Box 4064
Seattle, Washington

Re: Docket No. DMA-1600X

Dear Mr. Whittaker:

Your application for exploration aid has been reviewed by the Defense Minerals Administration and we are sorry to inform you that it must be denied.

On the basis of the material submitted with your application and the material available to the Government it is felt that the geological possibilities are not such as to justify Government participation in an exploration project at this time.

We wish to thank you for bringing this property to the attention of the Defense Minerals Administration.

Very truly yours,

Tom Lyon

Tom Lyon, Director
Supply Division

RVWaugh:ex
20/1/51

Copy to: Administrator's Reading File
Field Team, Region II
Gowen
C.H.Johnson
D.MacLaren
DMA Docket File

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

September 5, 1951

Memorandum

To: A. E. Weissenborn, Executive Officer, DMA Field Team, Region II

From: J. J. Quinlan, Geologist, U.S.G.S.

Subject: Yogo Peak mine, Judith Basin County, Montana

RECOMMENDATIONS

The DMA Field Examiner recommends that the exploration loan application of N. A. Whittaker on the Yogo Peak mine be denied.

The lead-zinc deposit is small and the values appear to be very erratic.

The magnetite-copper ore body as exposed in the Yogo Cabin shaft is 0.9 to 1.8 feet wide. Two cut samples across this zone assayed 2.97 percent zinc and 1.66 percent copper. There is a possibility that wider magnetite-copper ore bodies exist; however, it is doubtful if any such bodies were found that they could support an economic mining operation.

APPLICANT

The applicant is Mr. N. A. Whittaker, P. O. Box 4064, Seattle, Washington. Mr. Whittaker is the owner of a small manufacturing business (ultra violet lamps, parking meters) in Seattle. He has had about ten years mining experience as a laborer and operator of small mining ventures.

STATUS OF APPLICATION

The Yogo Peak mine was visited by M. R. Klepper and Val Freeman of the U.S.G.S. during the latter part of June. Snow conditions made a complete examination impossible at that time. As the property appeared to have some possibilities, M. R. Klepper recommended that it be re-examined later in the summer.

was it? when?

LOCATION

The Yogo Peak mine is on the north slope of Yogo Peak, in the central part of the Little Belt Range. The property is about 23 miles by road southwest of Stanford, Montana, and about 19 miles by road east of Neihart, Montana.

The property consists of 17 unpatented quartz lode mining claims in secs. 24, 25, 34, 35, and 36, T. 14 N., R. 9 E., M.P.M., Yogo mining district, Judith Basin County, Montana.

The Yogo group of claims extends along the contact between the Yogo stock and the Madison limestone into which the stock has been intruded. The claims are contiguous along the contact for a distance of approximately 25,000 feet. Most of the claims are 600 feet wide and 1500 feet long. The claims are from northeast to southwest Yogo Return, Yogo W, Yogo Cabin, Yogo No. 1 to 14 inclusive.

HISTORY AND PAST PRODUCTION

The Yogo group of claims was originally located in 1899 by F. C. Whittaker, father of the applicant. For the last fifty years members of the Whittaker family have periodically relocated the claims after having relinquished their rights to them. The present owner, N. A. Whittaker, located the Yogo group in 1949 and 1950.

There is no recorded past production from the property. However, N. A. Whittaker stated that his father shipped two cars of argentiferous galena ore from the property in 1905 and 1907.

PROPOSED EXPLORATION

The exploration program as delineated in the application is not clear. At the time of the DMA examination, the applicant did not have a definite exploration program to offer. However, he stated that a definite exploration program be planned by the field examiner, depending on the results of the examination.

GEOLOGY AND MINE WORKINGS

The Yogo group of claims extends along the contact between the Yogo Peak stock (post-Cretaceous) which forms the summit of Yogo Peak, and the Madison (Mississippian) limestone into which the stock has been intruded. The stock is composed of three types of igneous rocks; the eastern portion is syenite; the central portion is monzonite, and the western portion is shonkinite. 1/

1/ Weed, W. H. Little Belt Mountain Folio, Montana, U.S.G.S. Folio 56, 1899.

Pits, short adits, and shallow shafts explore tactite zones at or near the intrusive contact. Unfortunately, most of the adits and shafts are now inaccessible.

Near the east end of the property, on the Yogo Return claim is a weak vein structure containing sphalerite with sporadic bunches of argentiferous galena in white marble near the syenite-limestone contact. The vein strikes N. 80° W., and dips 60° S. A 3.6 foot cut sample across the vein exposed at the surface assayed no lead and 1.2 percent zinc. A small shaft, inaccessible August 1951, has been sunk on this vein. Mr. Whittaker stated that it was from this shaft that the high-grade lead-silver ore was shipped in 1905 or 1907. The high-grade portion of the vein is reported to have been 6 inches to 2 feet wide with a strike length of 10 to 20 feet for a distance of at least 40 feet down the dip. There are several tons of sphalerite ore containing minor amounts of argentiferous galena on the dump.

Near the center of the Yogo W claim is a 300 foot adit driven through the tactite zone and into the syenite. The only ore mineralization seen in this adit was a few specks of disseminated chalcopyrite in the syenite.

The applicant opened a small shaft on the Yogo Cabin claim 100 feet from the east end line. The shaft prospects a small body of magnitite ore containing minor amounts of chalcopyrite and malachite on the syenite-limestone contact. The contact in the vicinity of the shaft strikes N. 83° E., and dips 60° south. A 0.9 foot cut sample across the magnetite body exposed in the southwest wall of the shaft assayed 2.97 percent copper and no zinc. A 1.8 foot cut sample across the magnetite body exposed in the northeast wall of the shaft assayed 1.66 percent copper and no zinc.

A small adit, inaccessible August 1947, is driven S. 31° E., to intersect the vein exposed in the shaft. The adit dump is mostly limestone and marble and a small amount of magnetite-copper ore.

The dumps of several inaccessible shallow shafts and adits on the Yogo No. 7 claim contain magnetite-copper ore.

Molybdenite and scheelite are reported to occur as minor constituents in some of the magnetite bodies in the vicinity of Yogo Peak. 1/ No molybdenite or scheelite was seen in the ore of the Yogo Peak mine. An ultraviolet light was not used during the examination. However, specimens collected during the examination were tested with the ultraviolet light upon return to Spokane. No fluorescent minerals were noted in these specimens.

1/ Goodspeed, G. E., Preliminary report on Iron Ore Deposits adjacent to Yogo Peak, Judith Basin County, Montana, U.S.G.S., Preliminary Report, 1943.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

September 20, 1951

OFFICAL FILE COPY

To	From	Date
810	A.E.C.	9-28
Reg II	RK	9-28
210		

Memorandum

To: Mr. Tom Lyon, Chairman, Coordinating Committee, DMA, Department of the Interior, Washington 25, D. C.

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a memorandum by J. J. Quinlan prepared following a second examination of the Yogo Peak mine, Judith Basin County, Montana. We do not have the docket number of this application and apparently all copies of the application were forwarded to Washington previously.

On the basis of Quinlan's examination, he concludes that the deposit is too small and the ore showings are too low-grade. The field team concurs with this conclusion and recommends denial of the application.

The deposit contains both lead and copper. Correspondence in our files from Mr. J. B. Gowan indicates that the application is being handled by the Copper Branch.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
SEP 28 1951

By Field Team, Region II

A. E. Weissenborn

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

M. E. Volin

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] Howard Street
Spokane 4, Washington

September 20, 1951

Memorandum

To: Mr. Tom Lyon, Chairman, Coordinating Committee, DMA, Department of the Interior, Washington 25, D. C.

From: Field Team, Region II

Subject: Yogo Peak Mine, Judith Basin County, Montana

Enclosed is a memorandum by J. J. Mullins prepared following a second examination of the Yogo Peak Mine, Judith Basin County, Montana. We do not have the docket number of this application and apparently all copies of the application were forwarded to Washington previously.

On the basis of Mullins's examination, he concludes that the deposit is too small and the ore showings are too low-grade. The field team concurs with this conclusion and recommends denial of the application.

The deposit contains both lead and copper. Correspondence in our files from Mr. J. B. Bowen indicates that the application is being handled by the Copper Branch.

By Field Team, Region II

[illegible] Weigel[illegible], Exec. Officer
(U. S. Geological Survey)

cc: U.S.B.M., Spokane
U.S.B.M., Albany

[illegible] Mining Engineer
(U. S. Geological Survey)

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 1[illegible] Howard Street
Spokane 4, Washington

September [illegible], 1[illegible]

Memorandum

To: Mr. Tom [illegible], Chairman, Coordinating Committee, [illegible],
Department of the Interior, Washington 25, D. C.

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a memorandum by J. J. Quinlan prepared following a second examination of the Yogo Peak mine, Judith Basin County, Montana. We do not have the docket number of this application and apparently all copies of the application were forwarded to Washington previously.

On the basis of Quinlan's examination, he concludes that the deposit is too small and the ore showings are too low-grade. The field team concurs with this conclusion and recommends denial of the application.

The deposit contains both lead and copper. Correspondence in our files from Mr. J. B. Cowan indicates that the application is being handled by the Copper Branch.

By Field Team, Region II

[illegible] Weiss [illegible], Geol. [illegible] Officer
(U. S. Geological Survey)

cc: U.S.B.M., Spokane
U.S.B.M., Albany

[illegible] Robin [illegible]
(U. S. [illegible])

Enclosure

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible] Howard Street
Spokane 4, Washington

September 20, 1951

Memorandum

To: Mr. Tom Lyon, Chairman, Coordinating Committee, OMA, Department of the Interior, Washington 25, D. C.

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a memorandum by W. J. Quinlan prepared following a second examination of the Yogo Peak mine, Judith Basin County, Montana. We do not have the docket number of this application and apparently all copies of the application were forwarded to Washington previously.

On the basis of Quinlan's examination, he concludes that the deposit is too small and the ore showings are too low-grade. The field team concurs with this conclusion and recommends denial of the application.

The deposit contains both lead and copper. Correspondence in our files from Mr. J. E. Cowan indicates that the application is being handled by the Copper Branch.

by Field Team, Region II

[illegible] Walsh[illegible] Geologist
(U. S. Geological Survey)

cc: U.S.B.M., Spokane
U.S.B.M., Albany

[illegible]
(U. S. [illegible])

[illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 197 Howard Street
Spokane 4, Washington

September 20, 1951

Memorandum

To: Mr. Tom Lyon, Chairman, Coordinating Committee, DMA, Department of the Interior, Washington 25, D. C.

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a memorandum by J. J. Quinlan prepared following a second examination of the Yogo Peak mine, Judith Basin County, Montana. We do not have the docket number of this application and apparently all copies of the application were forwarded to Washington previously.

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By Field Team, Region II

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

cc: U.S.B.M., Spokane
U.S.B.M., Albany

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

Mr. Gowen

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

June 29, 1951

DMA
16000 X
7-9-Whittaker

Memorandum

To: Otto Herres

Through: L. F. Strobel

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

Enclosed is a report on the Yogo Peak property. Although visited late in June, snow conditions made a complete examination impossible. The property appears to have some possibilities, and another examination will be scheduled at a later date.

Field Team, Region II

A. E. Weissenborn

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

M. E. Volin

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: U. S. Bur. Mines
Spokane, Wash.
Albany, Oregon

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 - 1951
LANDON F. STROBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: DMA Field Team, Region II

From: M. R. Klepper

Subject: Examination of Yogo Peak mine, Judith Basin County, Montana

In accordance with your verbal request, Val Freeman and I visited the Yogo Peak Property in Judith Basin County, Montana, in company with Mr. N. A. Whittaker, P.O. Box 4064, Seattle, Washington. Mr. Whittaker, owner of the property, has applied for DMA assistance in an exploration project.

The Yogo Group, comprising some 20 claims, extends along a contact between monzonite (Weed, Little Belt Mountains, U.S.G.S. Folio 56), which forms the summit of Yogo Peak, and limestone into which the monzonite has been intruded.

Pits, short adits, and shallow shafts explore copper-bearing magnetite-rich skarn zones at or near the intrusive contact for a length of between one and two miles. Near the east end of the property a bedded replacement of limestone by sphalerite with sporadic bunches of argentiferous galena has been prospected by an inclined shaft. This deposit is said to have averaged 6 inches to 2 feet in thickness for a length of 10 to 20 feet and an inclined distance of at least 40 feet.

Unfortunately all adits are now caved and all surface pits and inclines and many of the dumps were snow-covered at the time of this examination.

Several tons of sphalerite-rich ore were seen on the dump from the incline on the replacement zinc-lead body and cupriferous magnetite containing specks of chalcopyrite and films of malchite is common on several dumps.

The writer recommends that a re-examination of this property be made later in the summer when the surface is free of snow so that a fairer appraisal of the property can be given.

cc: L. F. Strobel
U. S. Bureau of Mines
Spokane, Wash., Albany, Oregon

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: Otto Herres

Through: L. F. Strobel

From: Field Team, Region II

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Field Team, Region II

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

M. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: U. S. Bur. Mines
Spokane, Wash.
Albany, Oregon

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 - 1951
LANDON F. STROBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: DMA Field Team, Region II

From: M. N. Klepper

Subject: Examination of Yogo Peak mine, Judith Basin County, Montana

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The Yogo group, comprising some 20 claims, extends along a contact between monzonite (Reed, Little Belt Mountains, U.S.G.S. Folio 56), which forms the summit of Yogo Peak, and limestone into which the monzonite has been intruded.

Pits, short adits, and shallow shafts expose copper-bearing magnetite-rich skarn zones at or near the intrusive contact for a length of between one and two miles. Near the east end of the property a bedded replacement of limestone by sphalerite with sporadic bunches of argentiferous galena has been prospected by an inclined shaft. This deposit is said to have averaged 5 inches to 2 feet in thickness for a length of 10 to 20 feet and an inclined distance of at least 40 feet.

Unfortunately all adits are now caved and all surface pits and inclines and many of the dumps were snow-covered at the time of this examination.

Several tons of sphalerite-rich ore were seen on the dump from the incline on the replacement zinc-lead body and cupriferous magnetite containing specks of chalcopyrite and films of malachite is common on several dumps.

The writer recommends that a re-examination of this property be made later in the summer when the surface is free of snow so that a fairer appraisal of the property can be given.

cc: L. F. Strobel
U. S. Bureau of Mines
Spokane, Wash., Albany, Oregon

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

So. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: Otto Herres

Through: L. F. Strobel

From: Field Team, Region II

Subject: Yogo Peak mine, Judith Basin County, Montana

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Field Team, Region II

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

W. E. Volin, Member
(U. S. Bureau of Mines)

Enclosure

cc: U. S. Bur. Mines
Spokane, Wash.
Albany, Oregon

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 6 - 1951
LANDON F. STROBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

No. 157 Howard Street
Spokane 4, Washington

June 29, 1951

Memorandum

To: DMA Field Team, Region II

From: W. S. Klepper

Subject: Examination of Togo Peak mine, Judith Basin County, Montana

In accordance with your verbal request, Val Freeman and I visited the Togo Peak Property in Judith Basin County, Montana, in company with Mr. W. A. Whittaker, P.O. Box 6064, Seattle, Washington. Mr. Whittaker, owner of the property, has applied for DMA assistance in an exploration project.

The Togo Group, comprising some 20 claims, extends along a contact between monzonite (Weed, Little Belt Mountains, U.S.G.S. Folio 86), which forms the summit of Togo Peak, and limestone into which the monzonite has been intruded.

Pits, short adits, and shallow shafts say ore copper-bearing magnetite-rich shear zones at or near the intrusive contact for a length of between one and two miles. Near the west end of the property a bedded replacement of limestone by sphalerite with sporadic bunches of argentiferous galena has been prospected by an inclined shaft. This deposit is said to have averaged 6 inches to 4 feet in thickness for a length of 15 to 20 feet and an inclined distance of at least 40 feet.

Unfortunately all adits are now caved and all surface pits and inclines and many of the dumps were snow-covered at the time of this examination.

Several tons of sphalerite-rich ore were seen on the dump from the incline on the replacement zinc-lead body and cupriferous magnetite containing specks of chalcopyrite and films of malachite in sawn on several dumps.

The writer recommends that a re-examination of this property be made later in the summer when the surface is free of snow so that a fairer appraisal of the property can be given.

cc: L. F. Strobel
U. S. Bureau of Mines
Spokane, Wash., Albany, Oregon

dms/1600X

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
So. 157 Howard Street
Spokane 8, Washington

May 31, 1951

Mr. Landon F. Strobel
Executive Secretary
Defense Minerals Administration
Department of Interior
Washington 25, D. C.

Dear Mr. Strobel:

Enclosed is an application for an exploration project by N. A. Whittaker, P. O. Box 4064, Seattle, Washington.

The mine is near Stanford, Montana in Judith Basin County. The applicant proposes to explore a copper, lead, zinc vein containing some precious metals which produced some shipping ore about thirty years ago.

Sincerely yours,

Elton A. Youngberg

Elton A. Youngberg
For: A. E. Weissenborn
Executive Officer, DMA
Field Team, Region II

Enclosure

cc: U.S.B.M.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

1207 N. Division
Spokane, Wash.

May 28, 1951

MEMO TO: A. E. Weissenborn, U. S. Geological Survey, 157 S. Howard, Spokane, Wash.

FROM: Glenn C. Reed, Acting for M. E. Volin, Member, DMA Field Team, Bureau of Mines, 1207 N. Division, Spokane, Wash.

SUBJECT: Transmittal of loan application, Yogo Peak mine, Broadwater County, Mont.

The subject application is forwarded herewith for appropriate action. It is observed that the applicant, N. A. Whittaker, has submitted only Form MF-103. It is assumed that Form MF-100 has been submitted at an earlier date.

Glenn C. Reed

Glenn C. Reed

Enclosure

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma/1600X

Date received 6-5-51

Participation

H. A. Whittaker
P. O. Box [illegible]
Butte, Montana

Name and address of applicant

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary
Date May 18, 1951

FILL IN THIS BLOCK

Date of application May [illegible]

Estimated cost $45,000.00

Mineral or metal Copper, Zinc, Lead & Iron

Percentage of Government participation 90%

Location of mine Yogo Peak

[illegible] Mountains, Montana.

Date of filing MF-100 May 18, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

By N. A. Whittaker
(Name of company) (Signature of authorized official)

May 25-1951 Owner
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

R. L. Stoner
P. O. Box [illegible]
Nevada, Mo.

(Form ID-2[illegible]
[illegible] Case's.)

Sheet 1.

---

1. Minerals produced:

a. Chief products Co, Ni, Cu and Zinc.

b. By products, Iron, Gold and Silver.

---

2. Location (DY) [illegible] claims.
Page 1 of [illegible] Minerals.
Page [illegible] Gold and Page [illegible].
a. [illegible] b. [illegible] claims. b. [illegible] c. [illegible] d. [illegible]
[illegible] Florida. [illegible] [illegible] [illegible].

---

3. a. [illegible] Montana.
b. Yogo (unorganized)
c. Township 16 N., R. 9 E.
Section [illegible]-Principal Meridian.
d. Judith Basin County, Montana.

---

4. a. Property is not in operation.
b. Other.

---

5. My father and I, on [illegible] from the property many years ago. Property can be in production in possibly 6 months.

---

6. a. A. [illegible] has office with operator property. Has operated and worked in mines over 40 years, and has been in the [illegible] and conservation business for 40 years.

---

7. History: Property has been inaccessible for many years, and in just recent years that it can be worked by available roads. Time was not ripe enough to pick ores out as [illegible], only the high grade ores in a small way.
My father held this property for over 50 years, and he died about 3 years ago, and I now hold title by location.
A United States Geologist, C. H. Weed, [illegible] the ores such in the geological report of 1900-1908, and the work of [illegible] and [illegible], which were favorable reports.

---

8. [illegible] [illegible]
Oil & Gas Royalties [illegible]
Mining Stock Options (Shares [illegible]) [illegible]
Other Venture Options (Options [illegible]) [illegible]
Accounts Receivable [illegible]
Cash on Hand [illegible]
Mining equipment & tools & other inventory [illegible]
Stock & Miscellaneous [illegible]
Insurance Policies (Cash Value [illegible]) [illegible]
Cash Values [illegible]
Accident & Life Insurance Carried $[illegible]
[illegible]

Liabilities: Don't owe any accounts or I have been at a cash basis.

(Cont'd.)

E. A. Mitchell
P. O. Box 2061
Norton, Mass.

(Form MP-100
April, 1938 Cont'd.)

Mineral.

9. $1000.00 per month plus the use of all of Applicants equipment. Applicants' time and his wife's time to manage and secretary respectively, which shall be equivalent to $[illegible] in total.

10. Seventeen (17) [illegible] claims situated in Mineral County, State of Nevada, as [illegible] ft. formally in M., M.O L., Section [illegible]-[illegible]-[illegible].

11. Formerly known as E. C. Mitchell's Ego Property. (See [illegible] herein.)

12. Property is a large deposit - vein 2000 [illegible] over 20 ft. wide solid and massive horses [illegible] in Nevada to discover. Major channel of ore is expected from 3[illegible] over 60,[illegible] ft.

13. Good gravel roads to mine to cross Nevada [illegible].

14. Many good springs in area which never go dry.

15. Plan use diesel or gas power for mine, and open [illegible] be equipped by A.C.F. Shaker, Wood Frame, Hoists.

16. [illegible] in this area.

17. [illegible] tools, air compressor, 3/4 cu. [illegible], [illegible], drill steel, hammers, [illegible], cables, [illegible], [illegible], [illegible], [illegible], [illegible], [illegible], other [illegible] and other.

18. Ores are expected [illegible] of Cu, Pb, [illegible] of copper, [illegible] per ton in Au, Ag, leads average over 10 ft. in width, also there are high grade veins of lead, zinc and some silver. Evidently there is over 500,000 tons of ore.

19. More ore to them of [illegible] property.

20. Cu, Ag, Au, Pb, Zinc and Iron.

21. [illegible] in vicinity on lead and [illegible] and [illegible] co, [illegible], and [illegible] at least 2 [illegible]. Also would prepare [illegible] to smelter [illegible].

22. [illegible] ago by Indian [illegible] from this property and had to pick some [illegible] by pick [illegible]. There are excellent bodies of ore in place, revealed by considerable prospecting.

23. Labor:

a. [illegible]

1 Hoisting	[illegible]	[illegible]
2 Miners	[illegible]	[illegible]
1 Timberman	[illegible]	[illegible]
1 Engineer	[illegible]	[illegible]
1 Supervisor	[illegible]	[illegible]
1 Cook	[illegible]	[illegible]
1 Truck Driver, cell.	[illegible]	[illegible]

Under Crew will only work about [illegible] months and about 4 persons for balance of time.

b. General Labor and office Staff

Labor	[illegible] per day.	
Office Staff	[illegible]	[illegible]
Also use of 2 Jeeps	[illegible]	[illegible]
	[illegible]	[illegible]

c. Machine Gun and regular operating and hoisting facilities, [illegible].

(Concld.)

c. One new cabin and tool house----($[illegible].00)

d. Lighting plant----($[illegible].00)
Deep Sea Engineer's Engine ($[illegible].00)

f. Food equipment----($[illegible].00)

g. Complete list on file in Off Lorain, $[illegible].00 per month.

h. $[illegible].00 per month operation.
[illegible].00 " " " Subsistence, fuel, etc.
[illegible].00 " " " Tool replacements, order and personnel fees.

i. Medical expenses, inoculations and special examination, $15.00 per month.

$16,[illegible].00 for

j. Plans to have [illegible] to improve sporting and living facilities. 3 months exploratory prospecting and clearing out old workings - this will cost about $15,[illegible].00. Next 3 months - diamond drilling and blocking out better ores. This will cost about $[illegible],[illegible].00.

COPY

METALLURGICAL LABORATORY

Willis H. Ott

5200 Airport Way

Seattle, Wash.

No. 1986 Date Oct. 12, 1950

Certificate of Analysis

Yogo #3	Gold.....0.14 oz per ton. Silver.....0.12 " " " Copper.....3.03%
Yogo Cabin	Gold.....0.12 oz per ton. Silver.....0.24 " " " Copper.....1.85%
Yogo Return	Gold.....0.10 oz per ton. Silver.....0.16 " " " Lead.....21.0% Zinc.....43.4%
Yogo W	Chrome (Cr_2O_3).....0.08%
Yogo #8	Gold.....trace

METALLURGICAL LABORATORY

(signed) Willis H. Ott

COPY

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1600 X

Date received 6-5-51

Participation

N. A. Whittaker
P. O. Box 4064
Seattle, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 25, 1951

FILL IN THIS BLOCK

Date of application May 25, 1951

Estimated cost $45,000.00

Mineral or metal Copper, Zinc, Lead & Iron

Percentage of Government participation 50%

Location of mine Yogo Peak
Little Belt Mountains, Montana.

Date of filing MF-100 May 25, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.

*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.

*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.

*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.

15. State in detail how the ore could be shipped and how and where milled.

*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.

*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.

19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?

21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.

22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.

24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By N. A. Whittaker (Signature of authorized official)
May 25-1951 (Date)	Owner (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

N. A. Whittaker
P. O. Box 4064
Seattle, Wash.

(Form MF-103
April,1951 Cont'd.)

Sheet 2.

---

1. Materials Produced:

a. Chief Products: Copper, Lead and Zinc.

b. By products, Iron, Gold and Silver.

---

2. Seventeen (17) Quartz claims.
Yogo #1 to #14 inclusive.
Yogo Return and the Yogo Cabin and Yogo W.
a. 240 ft. of Shafts. b. 180 ft. open cuts. c. 370 ft.Tunnels.
Mine is not flooded. Ore bodies average 12 ft.wide.

---

3. a. 20 miles to Stanford, Montana.
b. Yogo (unorganized)
c. Township 14 N.,R. 9 E.
Sections 24-25-34-35-36-Montana Principal Meridian.
d. Judith Basin County, Montana.

---

4. a. Property is not in operation.
b. Owner.

---

5. My father shipped some ores from the property many years ago. Property can be in production in possibly 4 months.

---

6. N. A. Whittaker the owner will operate property. Has operated and worked in mines over 10 years, and has been in the manufacturing and construction business for 15 years.

---

7. History: Property has been inaccessible for many years, and in just recent years that it can be reached by automobile road. Mine was not rich enough to pack ores out on horses, only the high grade ores in a small way.
My father held this property for over 50 years, and he died about 5 years ago, and I now hold same by location.
A United States Geologist, a Mr. Weed, covers the area some in his geological reports of 1898-1899, and the area of Neihart and Hughesville, which were tremendous producers.

8.

Real Estate	$1600.00
Oil lands royalties	3000.00
Parking Meter Business(includes patents)	4000.00
Ultra Violet Business(includes patents)	12000.00
Accounts Receivable	1700.00
Cash on hand	2000.00
Mining equipment & tools & other inventory	18000.00
Truck & Automobile	3000.00
Insurance Policies(advance premium paid)	400.00
Cash Values	600.00
Accident & Life Insurance Carried $7750.00	
	$47300.00

Liabilities: Don't owe any accounts as I have been on a cash basis.

(cont'd.)

9. $1000.00 per month plus the use of all of Applicants equipment. Applicants' time and his wife's time as Manager and Secretary respectively, which would be equivalent to $25,000.00 in ten months.

10. Seventeen (17) Lode Quartz Claims situated in Judith Basin County, State of Montana, on Yogo Peak Mt. Township 14 N.,R.9 E.,Sections 24-25-34-35-36.

11. Formerly known as F. C. Whittaker's Yogo Property.(Now as listed herein.)

12. Property is a large deposit - vein lode averaging over 12 ft. wide solid and massive between porphry and limerock, and is a limestone replacement. Major content of ore is magnetite iron of over 60% Fe.

13. Good graveled roads 20 miles to Great Northern Railroad.

14. Many good springs in area which never go dry.

15. Must use diesel or gas power for mining and ores to be shipped to A.C.M. Smelter, Great Falls, Montana.

16. Would require 10 man crew.

17. Hand tools, air compressor, 3/4 ton truck, blacksmith tools, drill tools, hammers, tents, cabins, winches, cables, picks, shovels, axes, nails, stoves, dishes, tractor, power saw, etc., owned free and clear.

18. Ores are magnetite iron of 60% Fe, 3% to 4% copper, $4.00 per ton in gold, leads average over 12 ft. in width, also there are high grade areas of lead, zinc and some silver. Evidently there is over 500,000 tons of ore.

19. There are no liens or encumbrances against property.

20. Copper, Lead, Zinc and Iron.

21. Sink Shaft in tunnel on lead and cross cut same at greater depth, and diamond drill in at least 2 locations. This would require about 10 months to complete.

22. About 30 years ago my father shipped ores from this property and had to pack same eleven miles by pack horse. There are excellent bodies of ore in place, revealed by considerable prospecting.

23. Labor:

a. ----------

	Per Day
2 Muckers	$14.00 & Board
2 Miners	16.00 & "
1 Blacksmith	17.50 & "
1 Mechanic	17.50 & "
1 Supervisor	22.50 & "
1 Cook	12.50 & "
1 Truck Driver,etc	16.00 & "
	Total 9 men $146.00

Entire Crew will only work about 6 months and about 4 persons for balance of time.

b. General Manager and Office Staff

Manager--------	$25.00	per day.
Bookkeeper-----	$12.50	" "
Time Keeper & Sampler	12.50	" "
	$50.00	" "

c. Modernize Camp and repair operating and housing facilities, $2000.00.

(Cont'd.)

d. One new cabin and tool house----$1000.00

e. Lighting Plant----$600.00
Extra Air Compressor & Engine $2500.00

f. Road equipment----$1000.00

g. Complete list as shown in $17 herein, $400.00 per month.

h. $600.00 per month groceries.
200.00 " " insurance,taxes,etc.
800.00 " " tool replacements,powder and petroleum fuels.

i. Medical expenses, incidentals and special contingencies, $150.00 per month.

24. ~~$14,000.00 for~~ First 60 days required to prepare operating and living facilities. 3 months exploratory prospecting and cleaning out old workings - this will cost about $15,000.00. Next 5 months - diamond drilling and blocking out better ores. This would cost about $16,000.00.

C
O
P
Y

METALLURGICAL LABORATORY

Willis H. Ott

5200 Airport Way

Seattle, Wash.

No. 1986 Date Oct. 12, 1950

Certificate of Analysis

Yogo #3	Gold.....0.14 oz per ton. Silver.....0.12 " " " Copper.....3.03%
Yogo Cabin	Gold.....0.12 oz per ton. Silver.....0.24 " " " Copper.....1.85%
Yogo Return	Gold.....0.10 oz per ton. Silver.....0.16 " " " Lead.....21.0% Zinc.....43.4%
Yogo W	Chrome (Cr_2O_3).....0.08%
Yogo #8	Gold.....trace

METALLURGICAL LABORATORY

(signed) Willis H. Ott

C
O
P
Y

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma/10000X

Date received 6-5-51

Participation

N. A. Whittaker
P. O. Box 4064
Seattle, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 25, 1951

FILL IN THIS BLOCK

Date of application May 25, 1951

Estimated cost $45,000.00

Mineral or metal Copper, Zinc, Lead & Iron

Percentage of Government participation 50%

Location of mine Yogo Peak
Little Belt Mountains, Montana.

Date of filing MF-100 May 25, 1951

DMA Docket Number, if available

INSTRUCTIONS

Read Mineral Order 5, Regulations Governing Government Aid in Defense Projects, before completing this application. Submit four signed copies of the application to Defense Minerals Administration, Department of the Interior, Washington 25, D. C., or to the nearest field executive officer thereof, with your name and address on each sheet of the application and all accompanying papers. If any question is inapplicable, or if you cannot answer it, so state on the form. Where the space provided for answer is insufficient, answer on a separate sheet, annex it to the application form, and refer to it in space for answer. If the application is approved, you will be presented with an exploration project contract on Form MF-200, for your signature.

THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

*If you have already answered these questions on MF-100, you are not required to answer the questions for this application.

16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
    (*b*) Give the legal description of the exact parcel, plot, or area upon which the exploration is to be conducted.

    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
    (*c*) Furnish any available (private) reports that may apply to this application, including results of mine examinations, recommended exploration and development, and metallurgical investigations.
*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
    (*b*) Submit available maps and assay data.
    (*c*) Give estimated tonnage and grade of each class of ore reserves.
19. State any conditions or circumstances regarding the property not sufficiently brought out by the foregoing questions.

THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

23. Tabulate in the form of an itemized statement with a sum for each item the estimated requirements and costs of the project so that the total will give the estimated cost of the project in which the Government will participate, as follows:
    (*a*) Labor, by numbers and classes (miners, muckers, millmen, etc.), with wages of each.
    (*b*) Supervisors, by numbers and positions, with salaries of each.
    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

By N. A. Whittaker
(Name of company) (Signature of authorized official)

May 25-1951 Owner
(Date) (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

W. A. Whittaker
P. O. Box 4064
Seattle, Wash.

(Form MF-105 April,1951 Cont'd.)

1. Materials Produced:

   a. Chief Products: Copper, Lead and Zinc.

   b. By products, Iron, Gold and Silver.

2. Seventeen (17) Quartz claims.
   Yogo #1 to #14 inclusive.
   Yogo Return and the Yogo Cabin and Yogo W.
   a. 240 ft. of Shafts. b. 100 ft. open cuts. c. 870 ft. Tunnels.
   Mine is not flooded. Ore bodies average 18 ft. wide.

3. a. 20 miles to Stanford, Montana.
   b. Yogo (unorganized)
   c. Township 14 N., R. 9 E.
   Sections 24-25-34-35-36-Montana Principal Meridian.
   d. Judith Basin County, Montana.

4. a. Property is not in operation.
   b. Owner.

5. My father shipped some ores from the property many years ago. Property can be in production in possibly 4 months.

6. W. A. Whittaker the owner will operate property. Has operated and worked in mines over 10 years, and has been in the manufacturing and construction business for 15 years.

7. History: Property has been inaccessible for many years, and in just recent years that it can be reached by automobile road. Mine was not rich enough to pack ores out on horses, only the high grade ores in a small way.
   My father held this property for over 50 years, and he died about 5 years ago, and I now hold same by location.
   A United States Geologist, a Mr. Weed, covers the area some in his geological reports of 1898-1899, and the area of Neihart and Hughesville, which were tremendous producers.

8.

Real Estate	$1600.00
Oil lands royalties	3000.00
Parking Motor Business (includes patents)	4000.00
Ultra Violet Business (includes patents)	12000.00
Accounts Receivable	1700.00
Cash on hand	2000.00
Mining equipment & tools & other inventory	18000.00
Truck & Automobile	5000.00
Insurance Policies (advance premium paid)	400.00
Cash Values	600.00
Accident & Life Insurance Carried $7750.00	
	$47,300.00

Liabilities: Don't owe any accounts as I have been on a cash basis.

(cont'd.)

9. $1000.00 per month plus the use of all of Applicants equipment. Applicants' time and his wife's time as Manager and Secretary respectively, which would be equivalent to $25,000.00 in ten months.

10. Seventeen (17) lode quartz Claims situated ~~in Judith Basin County,~~ State of Montana, on Yogo Peak Mt. Township 14 N., R.9 E., Sections ~~24-25-34-35-36.~~

11. Formerly known as F. C. Whittaker's Yogo Property. (Now as listed herein.)

12. Property is a large deposit - vein lode averaging over 12 ft. wide solid and massive between porphyry and limerock, and is a limestone replacement. Major content of ore is magnetite iron of over 60% Fe.

13. Good graveled roads 20 miles to Great Northern Railroad.

14. Many good springs in area which never go dry.

15. Must use diesel or gas power for mining and ores to be shipped to A.C.M. Smelter, Great Falls, Montana.

16. Would require 10 man crew.

17. Hand tools, air compressor, 3/4 ton truck, blacksmith tools, drill tools, hammers, tents, cabins, winches, cables, picks, shovels, axes, nails, stoves, dishes, tractor, power saw, etc., owned free and clear.

18. Ores are magnetite iron of 60% Fe, 3% to 4% copper, $4.00 per ton in gold, leads average over 12 ft. in width, also there are high grade areas of lead, zinc and some silver. Evidently there is over 500,000 tons of ore.

19. There are no liens or encumbrances against property.

20. Copper, Lead, Zinc and Iron.

21. Sink Shaft in tunnel on lead and cross cut same at greater depth, and diamond drill in at least 2 locations. This would require about 10 months to complete.

22. About 30 years ago my father shipped ores from this property and had to pack some eleven miles by pack horse. There are excellent bodies of ore in place, revealed by considerable prospecting.

23. Labor:

a.

	Per Day	
2 Muckers	$14.00	& Board
2 Miners	16.00	& "
1 Blacksmith	17.50	& "
1 Mechanic	17.50	& "
1 Supervisor	22.50	& "
1 Cook	12.50	& "
1 Truck Driver, etc	16.00	& "
	~~Total~~ 9 men	$146.00

Entire Crew will only work about 6 months and about 4 persons for balance of time.

b. General Manager and Office Staff

Manager	$25.00	per day.
Bookkeeper	$12.50	" "
Time Keeper & Sampler	12.50	" "
	$50.00	" "

c. Modernize Camp and repair operating and housing facilities, $2000.00.

(Cont'd.)

d. One new cabin and tool house----$1000.00

e. Lighting Plant----$600.00
Extra Air Compressor & Engine $2500.00

f. Road equipment----$1000.00

g. Complete list as shown in #17 herein, $420.00 per month.

h. $600.00 per month groceries.
200.00 " " insurance,taxes,etc.
800.00 " " tool replacements,powder and petroleum fuels.

i. Medical expenses, incidentals and special contingencies, $150.00 per month.

~~$14,000.00 for~~

24. First 60 days required to prepare operating and living facilities. 8 months exploratory prospecting and cleaning out old workings - this will cost about $15,000.00. Next 5 months - diamond drilling and blocking out better ores. This would cost about $10,000.00.

COPY

METALLURGICAL LABORATORY

Willis H. Ott

5200 Airport Way

Seattle, Wash.

No. 1286 Date Oct. 12, 1950

Certificate of Analysis

Yogo #3	Gold.....0.14 oz per ton. Silver.....0.12 " " " Copper.....3.03%
Yogo Cabin	Gold.....0.12 oz per ton. Silver.....0.24 " " " Copper.....1.85%
Yogo Return	Gold.....0.10 oz per ton. Silver.....0.16 " " " Lead.....21.0% Zinc.....43.4%
Yogo W	Chrome (Cr_2O_3).....0.08%
Yogo #8	Gold.....trace

METALLURGICAL LABORATORY

(signed) Willis H. Ott

COPY

Form MF-103
(April 1951)

U. S. DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS ADMINISTRATION

Budget Bureau No. 42-R1035.
Approval expires 6-30-51.

APPLICATION FOR AID FOR AN EXPLORATION PROJECT PURSUANT TO MINERAL ORDER 5, UNDER DEFENSE PRODUCTION ACT OF 1950

DO NOT FILL IN THIS BLOCK

Docket No. dma 1600X

Date received 6-5-51

Participation

N. A. Whittaker
P. O. Box 4064
Seattle, Washington

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 5-1951
LANDON F. STROBEL
Executive Secretary

Name and address of applicant

Date May 25, 1951

FILL IN THIS BLOCK

Date of application May 25, 1951

Estimated cost $45,000.00

Mineral or metal Copper, Zinc, Lead & Iron

Percentage of Government participation 50%

Location of mine Yogo Peak
Little Belt Mountains, Montana.

Date of filing MF-100 May 25, 1951

DMA Docket Number, if available

INSTRUCTIONS

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THE APPLICANT

*1. Is applicant an individual, partnership, or corporation?
*2. If a partnership, state names and addresses of partners.
*3. If a corporation, state names and addresses of officers, directors, and five largest stockholders.
*4. Describe the mining and general business experience of (*a*) the applicant, and (*b*) the person or persons who will manage the project.
*5. Are you the owner or the lessee of the property?
6. If owner, state what claims, liens, or encumbrances, if any, are against the property.
7. If lessee, attach a copy of the lease and state if it is in good standing.

NOTE.—It will be necessary to procure and attach to the exploration project contract agreements of claimants, lienors, encumbrances and lessors subordinating their interests in the property to the interest of the Government under the contract.

8. Furnish current financial statement, showing assets and liabilities, and a profit and loss statement.
9. How much money is applicant prepared to invest in proposed project? Is it sufficient to pay your part of the cost of the project as detailed in question 23 of this application form, in accordance with the regulations on Government participation (Section 9 of Mineral Order 5)?

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16—64067-1

THE PROPERTY

10. (*a*) Give a description of the real property that will be in any way involved in the exploration project, including any existing mine or operating property.
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    NOTE.—If both areas are the same, so state. The only obligation to repay the Government is from the net earnings from any commercial discovery made in the area specified in (*b*) above in which the exploration is to be conducted, and the expenditure of funds which may be charged as costs of the project must be limited to that area or to work necessary to perform the exploration in that area.

*11. State the present and former names of the property, if any.
*12. State, in detail, the location of the property with reference to towns, railroads, roads, shipping points, including distances and directions and kinds and conditions of roads.
*13. State source and quantity of water available for operations and its sufficiency at all seasons.
State amount of power to be used, rate per hour or other cost, and source.
*14. Describe any existing useable facilities, equipment, buildings, or structure now on the property that will be devoted to the exploration work.
15. State in detail how the ore could be shipped and how and where milled.
*16. History:
    (*a*) Give a statement, as complete as possible, of previous exploration, development, operation, and production of property, with reasons for any past suspensions of operations.
    (*b*) State briefly the known history and production of adjoining and neighboring properties.
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*17. Production:
    (*a*) If mine is in production, furnish the following information:

	Tons per day	*Grade or analysis*	*Cost per ton*	*Net value per ton*
(1) Mining				
(2) Milling				
(3) Shipped or sold				

*18. Ore or mineral reserves: (If property is or has been operating.)
    (*a*) Describe the ore or mineral deposits briefly.
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THE EXPLORATION

20. For what mineral or minerals and for what types of deposits and ores will the exploration be conducted?
21. Describe briefly, but concisely, the proposed work and the estimated time required to complete it.

    NOTE.—The Government will not participate in a project that will require more than 2 years to complete.
22. Furnish statement of the geological basis of the project with particular emphasis on factors leading the operator to expect the finding of commercial ore bodies. This statement should be accompanied by supporting maps such as geological maps, maps of the proposed openings and assay maps, sample lists, and other pertinent data.

THE REQUIREMENTS AND COSTS

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    (*c*) Cost of necessary repairs to existing facilities, structures, and buildings.
    (*d*) Cost of necessary installation or construction of additional facilities, structures, and buildings.
    (*e*) Cost of items of equipment, not now owned by the applicant which must be purchased for operations at a cost of $50 or more each.
    (*f*) Cost of rental for equipment which the operator proposes to rent.
    (*g*) Rental value of items of equipment which the operator now owns and which will be devoted to the work.
    (*h*) Cost of materials and supplies, including items of equipment costing less than $50 each.
    (*i*) Cost of power, water, utilities, and any other items not provided for above.
24. Furnish a time schedule of the project, stated in terms of months after project is approved, showing progress expected to be accomplished and the money expected to be spent.

CERTIFICATION

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this form and accompanying papers is correct and complete to the best of their knowledge and belief.

(Name of company)	By N. A. Whittaker (Signature of authorized official)
May 25-1951 (Date)	Owner (Title)

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.

*Same as footnote on page 1.

16—64067-1 U. S. GOVERNMENT PRINTING OFFICE

N. A. Whittaker
P. O. Box 4064
Seattle, Wash.

(Form MF-103
April,1951 Cont'd.)

Sheet 2.

---

1. Materials Produced:

   a. Chief Products: Copper, Lead and Zinc.

   b. By products, Iron, Gold and Silver.

---

2. Seventeen (17) Quartz claims.
   Yogo #1 to #14 inclusive.
   Yogo Return and the Yogo Cabin and Yogo W.
   a. 240 ft. of Shafts. b. 180 ft. open cuts. c. 370 ft.Tunnels.
   Mine is not flooded. Ore bodies average 12 ft.wide.

---

3. a. 20 miles to Stanford, Montana.
   b. Yogo (unorganized)
   c. Township 14 N.,R. 9 E.
   Sections 24-25-34-35-36-Montana Principal Meridian.
   d. Judith Basin County, Montana.

---

4. a. Property is not in operation.
   b. Owner.

---

5. My father shipped some ores from the property many years ago. Property can be in production in possibly 4 months.

---

6. N. A. Whittaker the owner will operate property. Has operated and worked in mines over 10 years, and has been in the manufacturing and construction business for 15 years.

---

7. History: Property has been inaccessible for many years, and in just recent years that it can be reached by automobile road. Mine was not rich enough to pack ores out on horses, only the high grade ores in a small way.
   My father held this property for over 50 years, and he died about 5 years ago, and I now hold same by location.
   A United States Geologist, a Mr. Weed, covers the area some in his geological reports of 1898-1899, and the area of Neihart and Hughesville, which were tremendous producers.

8.

Real Estate	$1600.00
Oil lands royalties	3000.00
Parking Meter Business(includes patents)	4000.00
Ultra Violet Business(includes patents)	12000.00
Accounts Receivable	1700.00
Cash on hand	2000.00
Mining equipment & tools & other inventory	18000.00
Truck & Automobile	3000.00
Insurance Policies(advance premium paid)	400.00
Cash Values	600.00
Accident & Life Insurance Carried $7750.00	
	$47300.00

Liabilities: Don't owe any accounts as I have been on a cash basis.

(cont'd.)

9. $1000.00 per month plus the use of all of Applicants equipment. Applicants' time and his wife's time as Manager and Secretary respectively, which would be equivalent to $25,000.00 in ten months.

10. Seventeen (17) Lode Quartz Claims situated in Judith Basin County, State of Montana, on Yogo Peak Mt. Township 14 N.,R.9 E.,Sections 24-25-34-35-36.

11. Formerly known as F. C. Whittaker's Yogo Property.(Now as listed herein.)

12. Property is a large deposit - vein lode averaging over 12 ft. wide solid and massive between porphry and limerock, and is a limestone replacement. Major content of ore is magnetite iron of over 60% Fe.

13. Good graveled roads 20 miles to Great Northern Railroad.

14. Many good springs in area which never go dry.

15. Must use diesel or gas power for mining and ores to be shipped to A.C.M. Smelter, Great Falls, Montana.

16. Would require 10 man crew.

17. Hand tools, air compressor, 3/4 ton truck, blacksmith tools, drill tools, hammers, tents, cabins, winches, cables, picks, shovels, axes, nails,stoves, dishes, tractor, power saw, etc., owned free and clear.

18. Ores are magnetite iron of 60% Fe, 3% to 4% copper, $4.00 per ton in gold, leads average over 12 ft. in width, also there are high grade areas of lead, zinc and some silver. Evidently there is over 500,000 tons of ore.

19. There are no liens or encumbrances against property.

20. Copper, Lead, Zinc and Iron.

21. Sink Shaft in tunnel on lead and cross cut same at greater depth, and diamond drill in at least 2 locations. This would require about 10 months to complete.

22. About 30 years ago my father shipped ores from this property and had to pack same eleven miles by pack horse. There are excellent bodies of ore in place, revealed by considerable prospecting.

23. Labor:

		Per Day	
a. ----------	2 Muckers	$14.00	& Board
	2 Miners	16.00	& "
	1 Blacksmith	17.50	& "
	1 Mechanic	17.50	& "
	1 Supervisor	22.50	& "
	1 Cook	12.50	& "
	1 Truck Driver,etc	16.00	& "

Entire Crew will only work about 6 months and about 4 persons for balance of time. Total 9 men $146.00

b. General Manager and Office Staff

Manager---------	$25.00	per day.
Bookkeeper------	$12.50	" "
Time Keeper & Sampler	12.50	" "
	$50.00	" "

c. Modernize Camp and repair operating and housing facilities, $2000.00.

(Cont'd.)

d. One new cabin and tool house----$1000.00

e. Lighting Plant----$600.00
Extra Air Compressor & Engine $2500.00

f. Road equipment----$1000.00

g. Complete list as shown in $17 herein, $400.00 per month.

h. $600.00 per month groceries.
200.00 " " insurance,taxes,etc.
800.00 " " tool replacements,powder and petroleum fuels.

i. Medical expenses, incidentals and special contingencies, $150.00 per month.

~~$14,000.00 for~~

24. First 60 days required to prepare operating and living facilities. 3 months exploratory prospecting and cleaning out old workings - this will cost about $15,000.00. Next 5 months - diamond drilling and blocking out better ores. This would cost about $16,000.00.

COPY

METALLURGICAL LABORATORY

Willis H. Ott

5200 Airport Way

Seattle, Wash.

No. 1986 Date Oct. 12, 1950

Certificate of Analysis

Yogo #3	Gold.....0.14 oz per ton. Silver.....0.12 " " " Copper.....3.03%
Yogo Cabin	Gold.....0.12 oz per ton. Silver.....0.24 " " " Copper.....1.85%
Yogo Return	Gold.....0.10 oz per ton. Silver.....0.16 " " " Lead.....21.0% Zinc.....43.4%
Yogo W	Chrome (Cr_2O_3).....0.08%
Yogo #8	Gold.....trace

METALLURGICAL LABORATORY

(signed) Willis H. Ott

COPY

April 25, 1951

Mr. N. A. Whittaker
P. O. Box [illegible]
Seattle, Washington

Dear Sir:

In reply to your letter of April 16, requesting information regarding government aid in exploration of mineral deposits:

Inclosed is copy of press release dated April 11, 1951, to which are attached copies of Forms MO-5, MF-103 and MF-200 which will give you the information you desire.

Additional copies of application form MF-103 will be sent upon request.

Very truly yours,

Franklin C. Pardee, Chief
Iron Ores Branch

Inclosure

md

Copy to Mr. Strobel
Mr. Lyon
Mr. Pardee
Files
Administrator's reading file