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DMA Docket No. DMEA-2819

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To:	Code 400 Rm 3538	Date	12/22/52
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DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 29 1953

CApitol 14174

MINING AND Geo. C. Paonessa MILLING MACHINERY

CONTRACTING ENGINEER

1915 North Broadway
Los Angeles 31, California

CRUSHERS
BALL MILLS
CLASSIFIERS
FLOTATION UNITS
ROCK PLANT EQUIPMENT
MOTORS
HOISTS
ENGINES DIESEL & GAS
COMPRESSORS
SHOVELS
TRACTORS
GRADERS
ROLLERS
BOILERS
TANKS
PIPE
RAILS
TOOLS
LEASING

Oct. 26, 1953

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

now 3146 on 26 C17
WSM

Re: Docket DMEA-2819 (Tungsten)
H. K. Goodart & Partners
Wangoodlord claims
Siskiyou County, Calif.

Dear Mr. Mittendorf:

Can you give us some idea about when we will get a report on the findings of the recent inspection made on the Wangoodlord claims?

Denial mailed 11/2 - no further reply necess.

Awaiting your reply, we remain

Very truly yours
MORTEX CONSTRUCTION COMPANY

By Geo. C. Paonessa
Geo. C. Paonessa - President

GCP:ol

Also call Arthur Stanley ST 3-4115 of Schabel, Jones & Barrow.

Phoned 11/3/53 and gave a message to his secty WSM

INDUSTRIAL PLANTS and EQUIPMENT BOUGHT and SOLD

Copy
8/4/15

FILE COPY
SURNAME:
400

Rutledge
Martin
Kimball
~~Hodge~~
~~Selfridge~~

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

AUG 4 1953

Mr. Geo. C. Paonessa
1915 North Broadway
Los Angeles 31, California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, and 4 claims
Siskiyou County, California

Dear Mr. Paonessa:

Reference is made to the subject docket and your letter of July 20, 1953, which crossed in the mail with our letter of July 16, 1953, denying Mr. Goodhart's application for exploration assistance on the above-referenced property.

The report you inquired about is one by our Field Team and reports of this type 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 For your personal information, but not for publication, we are listing the results of the six samples taken from the Wangoodlord claims by our representatives. A description of the samples and their analyses follow:

Sample No. 1. 1.39 percent WO_3, was taken of the 300 pounds of sorted ore produced in driving the 27-foot adit at Prospect #1. It is estimated that in driving the adit approximately 79 tons were broken, and the sorted ore thus represents about 0.19 percent of the material.

Sample No. 2. 0.02 percent WO_3, $2\frac{1}{2}$ feet wide, was taken across the bottom of the shaft on Prospect #3.

Sample No. 3. 0.09 percent WO_3, 3 feet wide, represents one of the few concentrations of scheelite at the intersection of joint planes or fractures at Prospect #3. This sample was taken across the largest concentration.

R.C.G.
8-4-53

FILE COPY
SURNAME:

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS ADMINISTRATION

WASHINGTON 25, D.C.

Sample No. 4. 2.45 percent WO_3, 8 inches wide, was taken across the lens of scheelite, 4 feet long, exposed at the collar of the shaft on Prospect #3. This lens pinched out with depth as indicated by the results of Sample #2.

Sample No. 5. 0.06 percent WO_3, represents a lens 14-inches wide at Prospect #4.

Sample No. 6. 0.22 percent WO_3, 2 feet wide, was taken from the scheelite zone exposed in the adit at Prospect #1. The 300 pounds of ore represented by Sample No. 1 was presumably sorted from material of no better grade than this.

The above sample results could be used, however, as a check against the analysis of another individual only in the event that he also had made his analysis on a representative split of the corresponding sample taken by our Field Team.

If you have had conflicting analyses for your own samples, you could investigate by having one large sample crushed and then split into several parts in such a manner that each part would be representative of the whole. The parts could be analyzed by the different assayers whose results you have cause to doubt, and if you needed a further check on the accuracy of their analytical procedures, you could submit one part for so-called "umpire" determination by one of the better known analysts. Two analysts among many are: Abbott A. Hanks, Inc., 624 Sacramento Street, San Francisco (11), California, and Smith, Emery and Co., 920 Santee Street, Los Angeles (15), California.

Sincerely yours,

C. O. Mittendorf

Administrator

FARutledge/Martin/foe
7-31-53

cc: Docket
Field Team, Reg. 3
Adm. Reading File
Code 400
D. M. Lemmon, USGS
R. W. Geehan, USBM
Operating Committee

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 2 2 1953

CApitol 14174

Geo. C. Paonessa

MINING AND MILLING MACHINERY

CONTRACTING ENGINEER

1915 North Broadway
Los Angeles 31, California

CRUSHERS
BALL MILLS
CLASSIFIERS
FLOTATION UNITS
ROCK PLANT EQUIPMENT
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HOISTS
ENGINES DIESEL & GAS
COMPRESSORS
SHOVELS
TRACTORS
GRADERS
ROLLERS
BOILERS
TANKS
PIPE
RAILS
TOOLS
LEASING

July 20, 1953

Re: Docket DMEA-2819 (Tungsten)
H. K. Goodart & partners
Wangoodlord claims
Siskiyou County, Calif.

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Interior Building
Washington 25, D. C.

Dear Mr. Mittendorf:

In answer to our request for information on the report and assay on the above, Mr. H. C. Miller has informed us that this would have to come from you.

If we are not entitled to this information, we are anxious to know the report of the assays on the samples taken. We have had several assays made and they are very conflicting, therefore would like to check against your assays.

We have commenced work with 6 men and are drifting in the side of the hill and would appreciate the above information. Also how long does it take to get an answer from your Department for an applicant to know whether the Government is interested or not in financing.

Please let us hear from you.

Very truly yours

Geo. C. Paonessa

Geo. C. Paonessa

GCP:ol

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

July 15, 1953

Mr. George C. Paonessa
1915 North Broadway
Los Angeles 31, California

Re: Docket DMEA-2819 (Tungsten)
H. K. Goodart & partners,
Wangoodlord claims
Siskiyou County, Calif.

Dear Mr. Paonessa:

I acknowledge your letter dated July 13, 1953, requesting the results of the samplying of your property in Siskiyou County, California, at the time your claims were examined by Mr. J. F. Robertson, of the Geological Survey, in connection with your application for an exploration loan.

Information of that type will have to come from Washington, D. C. and we suggest you send your request to Mr. C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS

P.S. to DMEA - He wants to know our results to check against three of his assays which, he writes, are all different. I have not seen fit to send him the information, though you may feel it proper to do so.

H.C.M.

FILE COPY
SURNAME:

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

Rutledge
Martin
Gehan
Lemmon
Kinkel
Fedors
Selfridge
Hopkins

JUL 13 1953

Mr. Henry K. Goodhart
Forks of Salmon, California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodhart and partners
Wangpodlord Nos. 1, 2, 3 and 4
claims
Siskiyou County, California

Dear Mr. Goodhart:

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

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

Careful study of all our information, although noting a small amount of tungsten mineralization on your property, indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

MD 7-16-53

cc: Docket
Field Team, Reg, 3
Code 400
Adm. Read. File
Oper. Comm.
D. M. Lemmon, USGS
R. W. Geehan, USBM

JHopkins/ls 7/15/53

[redacted] [redacted] [redacted] 400

FILE COPY
SURNAME:

Rutledge
Martin
Guhan
Lemmon
[illegible]

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

July 14, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $38,637.00
Docket No. DMEA 2819 - Tungsten
Wangoodlord Nos. 1, 2, 3 and 4 claims
Siskiyou County, California

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

(1) An examination by the examining geologist indicated that the chances of finding significant amounts of scheelite on these claims by any method of exploration are poor.

(2) The applicant proposed a series of exploration projects at various points on the claims involving the following:

(a) Removal of overburden or "slide rock" to uncover bedrock.
(b) Three tunnels each 100 feet long.
(c) An indefinite amount of cross-cutting from each of the tunnels.

(3) Tactite is found in rather meager quantities along granodiorite contacts, the largest exposure observed being a lens 20 feet by 50 feet. Scheelite occurs in the tactite in concentrated knots and seams, as disseminations, and to a limited extent as scattered crystals in amphibolite.

(4) Six samples were taken by the Field Team. Analysis of these gave the following results:

1.	300# sorted ore at Portal	Prospect No. 1	1.39% WO_3
2.	Bottom of shaft, 2½' wide	" No. 3	0.02% "
3.	Tactite seam, 3' wide	" No. 3	0.09% "
4.	8" seam in tactite	" No. 3	2.45% "
5.	14" seam in tactite	" No. 4	0.06% "
6.	Oxidized tactite, 2' wide	" No. 1	0.22% "

(5) The Field Team concludes that the favorable marble and lime silicate rock occur in such small lenses and are so erratically distributed as not to justify the underground workings as proposed by the applicant. Stripping the overburden to uncover bedrock might uncover scheelite mineralization, but the success of such a program is questionable.

(6) The Field Team recommended denial of the application.

(7) The Commodity Division of the U. S. Geological Survey concurs with the denial.

(8) The Commodity Division of the U. S. Bureau of Mines concurs with the denial of the subject application.

SIGNED
W. S. Martin, Acting Chief
Iron and Ferro-Alloys Division

JHopkins/ls
7/14/53

cc: Docket
Adm. Reading File
Code 400
Oper. Comm.

MDS
9-16-53

400

NB

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

July 14, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $38,637.00
Docket No. DMEA 2819 - Tungsten
Wangoodlord Nos. 1, 2, 3 and 4 claims
Siskiyou County, California

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

(1) An examination by the examining geologist indicated that the chances of finding significant amounts of scheelite on these claims by any method of exploration are poor.

(2) The applicant proposed a series of exploration projects at various points on the claims involving the following:

(a) Removal of overburden or "slide rock" to uncover bedrock.
(b) Three tunnels each 100 feet long.
(c) An indefinite amount of cross-cutting from each of the tunnels.

(3) Tactite is found in rather meager quantities along granodiorite contacts, the largest exposure observed being a lens 20 feet by 50 feet. Scheelite occurs in the tactite in concentrated knots and seams, as disseminations, and to a limited extent as scattered crystals in amphibolite.

(4) Six samples were taken by the Field Team. Analyses of these gave the following results:

1.	300# sorted ore at Portal	Prospect No. 1	1.39% WO_3
2.	Bottom of shaft, 2½' wide	" No. 3	0.02% "
3.	Tactite seam, 3' wide	" No. 3	0.09% "
4.	8" seam in tactite	" No. 3	2.45% "
5.	14" seam in tactite	" No. 4	0.06% "
6.	Oxidized tactite, 2' wide	" No. 1	0.22% "

(5) The Field Team concludes that the favorable marble and lime silicate rock occur in such small lenses and are so erratically distributed as not to justify the underground workings as proposed by the applicant. Stripping the overburden to uncover bedrock might uncover scheelite mineralization, but the success of such a program is questionable.

(6) The Field Team recommended denial of the application.

(7) The Commodity Division of the U. S. Geological Survey concurs with the denial.

(8) The Commodity Division of the U. S. Bureau of Mines concurs with the denial of the subject application.

W S Martin

W. S. Martin, Acting Chief
Iron and Ferro-Alloys Division

Docket

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 30, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten)
H. K. Goodart & partners, Wangoodlord claims
Siskiyou County, California

Reference is made to your letter dated March 2, 1953, requesting a field examination of the Wangoodlord claims in Siskiyou County, California.

Attached are four copies of a report entitled "DMEA-2819 - Tungsten, Wangoodlord Claims, Siskiyou County, California," by J. F. Robertson, Geologist, U. S. Geological Survey, dated June 26, 1953.

The conclusion reached by the examining geologist is that the chances of finding significant amounts of scheelite on the Wangoodlord claims by any methods of exploration are poor, and indications are that not enough ore would be uncovered to justify the cost of exploration. Only two of the assays are encouraging, one is from a small showing and the other is from a pile of hand sorted ore.

It is recommended that financial assistance under the DMEA program is not warranted at this time.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno (With copy of report)

Reviewed by
DMEA OPERATING COMMITTEE
7-10-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
SECRETARY OF THE INTERIOR, D. MCKAY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2819 - Tungsten, Wangoodlord Claims

Siskiyou County, California

J. F. Robertson, Geologist
U. S. Geological Survey

June 26, 1953

Reviewed by
DMEA OPERATING COMMITTEE

7-10-53
(date)

Introduction

At the request of H. C. Miller, Executive Officer for DMEA Region III, J. F. Robertson of the U. S. Geological Survey examined the Wangoodlord tungsten claims, Siskiyou County, California, DMEA 2819, on the evening of May 19 and during the day of the 20th, 1953. Owner partners present at the examination were H. K. Goodart, E. R. Wann, and R. R. Lord. G. C. Paonessa of Los Angeles, who signed a seven year lease for the claims on May 4, 1953, was unable to be present. Prospect pits and outcrops were inspected with ultra-violet lamp at night, and mapped and sampled during the day. Six samples were taken from showings of scheelite-bearing rock and assayed by the U. S. Bureau of Mines at Reno, Nevada.

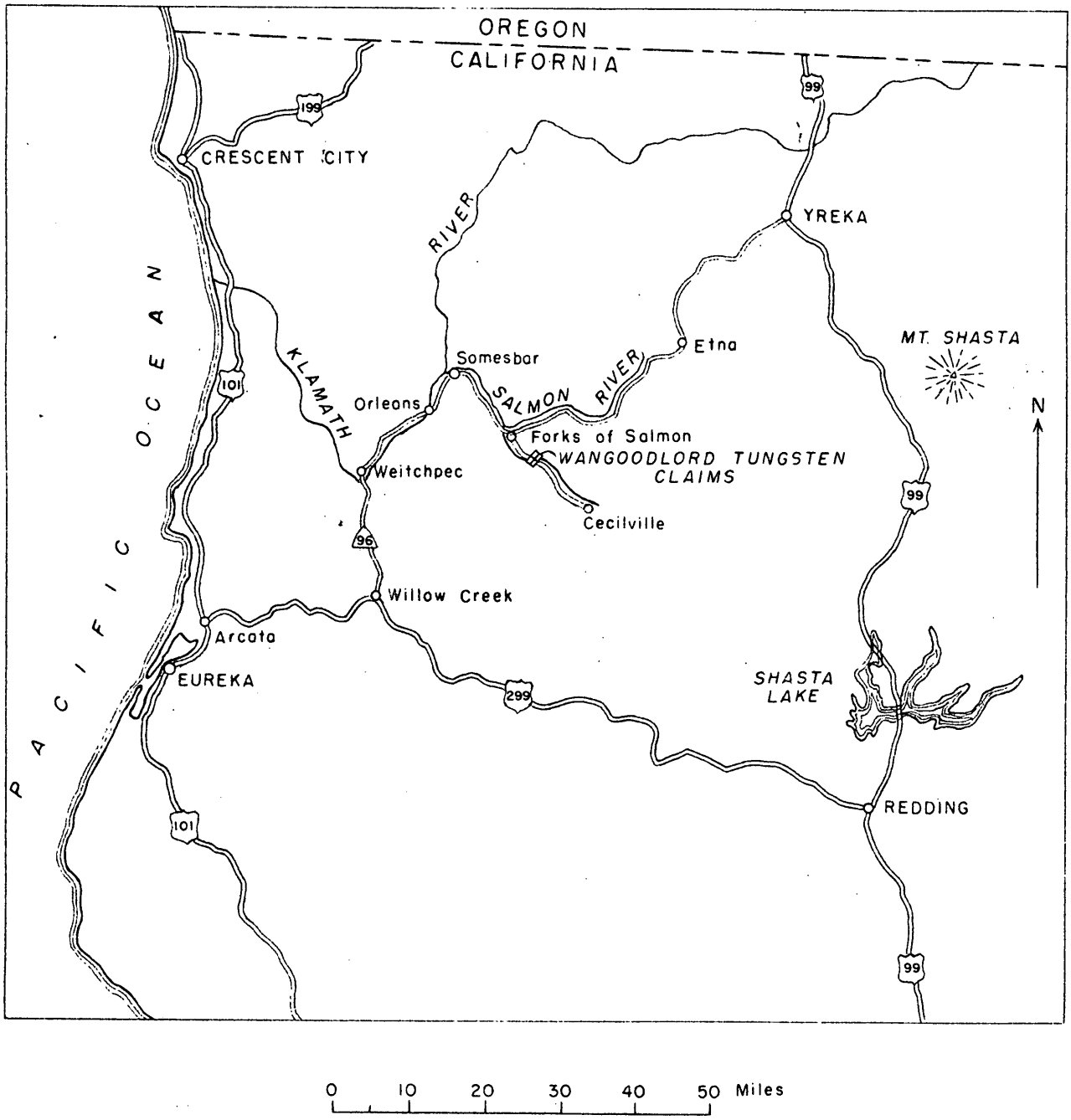
Status of Application and Property

An application for government assistance to explore the Wangoodlord claims was submitted to DMEA by Mr. Goodart and partners in December, 1952. Since then Mr. G. C. Paonessa has leased the property, and has indicated a desire to take over the DMEA commitment. Goodart and partners had no capital by which to finance their share of any exploration, but they expected to make up their portion in labor. Paonessa, however, appears to have the capital and equipment necessary to successfully negotiate a DMEA contract; he is a contracting engineer for buying and selling of mining and milling machinery with an office at 1915 North Broadway, Los Angeles 31, California. The lease is to run for 7 years from date of signing, May 4, 1953, provided work commences within 60 days or $200 per month is paid thereafter to hold the lease. The agreement provides that the owners will be employed to work on the claims.

The Wangoodlord Claims were located by the present owners. No tungsten production, only assessment work, has been accomplished. No mining machinery or equipment is present on the property.

Location and Description

The four Wangoodlord tungsten claims are on the South Fork of the Salmon River, approximately 3½ miles SE of Forks of Salmon, Siskiyou County, California. They are in the Klamath National Forest, secs. 19 and 30, T. 39 N, R. 12 W., MDB & M, Sawyers Bar quadrangle. The claims straddle the river and the county road with their lengths oriented roughly N4OE.



INDEX MAP, WANGOODLORD TUNGSTEN CLAIMS
SISKIYOU COUNTY, CALIFORNIA

The property is about 69 miles by winding narrow road from Willow Creek, a town on U. S. Highway 299 between Redding and Eureka. Except for several stretches, the road is paved to Orleans, a distance of 40 miles from Willow Creek. The remaining 29 miles are on dirt road maintained in good condition, but constantly threatened by landslides, especially when the weather is wet. An alternate route of approach is from Yreka on U. S. Highway 99, a distance of 76 miles. Thirty miles of road is paved between Yreka and Etna. The remaining 46 miles are on dirt road that is comparable to the other route; however, it crosses a 6,000 foot high pass, which is blocked by snow each winter. The closest railroad at Yreka is a spur of the Southern Pacific line.

The local topography is steep; the west side of the Salmon River gorge slopes 35° or greater and the east side about 27° at the location of the claims. The altitude at the river is around 1,350 feet, and the ridges range from 4 to 6 thousand feet. Bedrock exposures are not good on the property. They are covered extensively by soil and gravel, particularly east of the river. Both deciduous and evergreen trees are abundant and underbrush is moderately heavy on the claims.

Workings

Some minor workings constitute 3 of the 4 prospects visited. They are described in order and with respect to the conditions surrounding them. Prospect #1 consists of a 27 foot adit that trends N58° E. Only about 14 feet of it can be considered underground, for caving of the roof has occured. The rock at the face is immediately overlain by soil, which would be nearly 12 feet thick except for slumping. The adit is about 190 feet vertically above the road on a slope of at least 27°. Rock material dumped at the portal rolls half way down to the road. The Prospect is reached by means of a steep trail.

Prospect No. 2 is an excavation or trench 23 feet long trending N43° E. It exposes rock having only a foot or two of soil cover and is on a slope that is close to 20°. It is reached by means of a trail.

Prospect No. 3 contains a shaft 7 feet deep in tactite that is reached by a trail on the west side of the river. The trail is narrow, built along a cliff 30 to 40 feet above the river, and consists in large part of planking with wooden braces. The shaft collar is not more than 15 feet above normal river level and is below flood stage level, as exemplified last winter when it was filled with sand and gravel. There is no dump room. The slope rising westward from the shaft is greater than 30°.

Prospect No. 4 on the trail west of the river has no workings, but consists of a rock outcrop containing minor scattered scheelite. It is practically on a cliff and allows for no dumping space.

General Geology

The Wangoodlord claims and the surrounding area are underlain by granitic rock that has irregularly invaded metamorphic rocks, leaving pendants and septa of quartzite, hornfelsed chert, some lime-silicate rock, and a few small lenses of marble. The granitic rock is probably granodioritic in composition, and is fine to medium grained and massive. Except for coarsely crystalline marble, the metamorphic rocks are very fine-grained and appear massive in outcrops. Locally along the river channel, thin bedding in cherty rocks is well shown, where it is etched out by running water.

Along some of the granodioritic contacts, fine- to medium-grained amphibolite is developed from lime silicate rock, and marble is extensively altered to tactite. Tactite consists of medium to coarsely crystalline, mixed garnet, hornblende, epidote, calcite, and quartz. The largest exposure of tactite on the property is situated on the west bank of the river at Prospect #3; it consists of a lens, 20 by 50 feet, surrounded by granodiorite. Some tactite is also exposed in the adit at Prospect #1. The tungsten mineral, scheelite, occurs in the tactite in concentrated knots and seams as disseminations, and to a limited extent as scattered crystals in amphibolite along the granite contacts.

Structure

Bedding is poorly defined in the vicinity of the claims. Although bedding can be faintly recognized in the outcrop west of Prospect #1, the rock is so contorted that no representative attitude could be found. On the west bank of the river, however, quartzitic and cherty rocks show small, open, regular folds, the axes of which trend generally N50° E. Near the granite contact bedding in cherty rock strikes N30° E and dips 50° NW.

No particular pattern could be determined from the distribution of rocks in the claims, although some of the exposed contacts and fractures trend in the same direction as the NE fold axes. Soil overburden and terrace gravels obscure a great deal of the rock relationships, especially east of the river. Frozen contacts occur between the tactite lens and granitic rock at Prospect #3, and in places between the massive quartzite and granite in the long outcrop east of the river. At other places the contact is marked by vertical fractures along which little or no movement has taken place. No well defined fault zone was observed. A slight amount of shearing marks the scheelite zone in Prospect No. 1.

Joint fractures are abundant. The most prominent joints are displayed at Prospect #3 where several vertical fractures strike N. 60° E. in granitic rock, and pass directly into and through the tactite. They are filled with calcite or quartz a small fraction of an inch thick, and contain scheelite that is in small concentrations at some points.

Mineral Deposits

Scheelite occurs at the points marked as prospects on the map. The sulfides pyrrhotite and chalcopyrite are intimately associated with scheelite in Prospect No. 3, but at the other prospects the sulfides have been oxidized to malachite, azurite, and limonite.

At the face of the 27 foot adit in Prospect No. 1 scheelite is regularly disseminated in altered lime silicate rock that is stained with iron oxide. The scheelite zone is 4 feet wide at the floor, but apexes 4 feet above the floor. The over-all grade is estimated at somewhat less than 0.5 per cent WO_3. Sample No. 6 was taken from midway between the top and base of the zone.

Roughly 300 pounds of sorted ore taken from the adit was piled at the portal. Sample No. 1 was taken as representative of the ore. Although the assay of 1.39 per cent WO_3 suggests fairly high grade material, it was hand sorted from rock identical to sample No. 6, which assayed 0.22 per cent WO_3.

Prospect No. 2 shows only a trace of scheelite at the face of the 22 foot long trench, along the limonite stained contact between granodiorite and quartzite. No sample was taken from this prospect.

At Prospect No. 3 scheelite occurs in the tactite lens that is surrounded by granitic rock. The best concentration of scheelite is in a band 8 to 12 inches wide by 4 feet along the granite contact, exposed at the north corner of the 7 foot deep shaft. This band is estimated to contain between 1.0 and 1.5 per cent WO_3 over-all, although sample No. 4 from this band assayed 2.45 per cent WO_3. The band widens to 2 feet in the center of the shaft but the grade drops appreciably, as shown by assay of sample No. ~~3~~ 2. The scheelite is fine grained and is admixed with considerable pyrrhotite and some chalcopyrite. Other minor occurrences of scheelite within the tactite are along inch wide joint planes that are partly filled with calcite and quartz. Concentrations occur in 6 or 7 erratically distributed clumps at the intersection of joint planes or fractures. The largest concentration from which sample No. 3 is taken is not more than 3 feet in diameter.

Prospect No. 4 consists of a trace of scheelite in a shear zone 14 inches wide in hornfelsed chert and quartzite near the granodiorite contact. Sample No. 5 taken from this prospect assayed 0.06 per cent WO_3.

The prospectors claim that rock float with scheelite mineralization occurs on both sides of the river, but the importance and grade of this material could not be appraised.

Proposed Exploration

Goodart and partners submitted some proposals for exploration, involving:

1. Removal of overburden or "slide rock", presumably to uncover bed rock, below Prospect No. 2.
2. Three tunnels, each 100 feet long, located--
   a. Approximately 150 feet NW of Prospect No. 2, and trending NE
   b. At Prospect No. 2, and trending NE
   c. 50 feet SW of Prospect No. 3, and trending SW
3. An indefinite amount of crosscutting from each of the tunnels.

G. C. Paonessa indicated that he would await the government geologist's report before deciding on a course of exploration.

Conclusions and Recommendations

Chances of finding significant amounts of scheelite on the Wangoodlord Claims by any method of exploration are poor, because the conditions favorable to the occurrence of scheelite are so limited in extent and distribution. The favorable marble and lime silicate rock occur in lenses that are small and erratically distributed. Granitic rock is unpredictable in occurrence, and only locally is in contact with marble or lime silicate rock. Exploration for favorable granite-marble relationships would require more work than the amount of scheelite uncovered would be worth.

Underground workings, as proposed, are certainly not justified at this time on the meager showings of scheelite. More intensive prospecting of the surrounding area is needed to determine the general distribution of scheelite-bearing marble and granitic rock. Geologic relations are considerably obscured by soil cover above the terrace on the east side of the river. Stripping the overburden from this slope down to bedrock might uncover some scheelite mineralization, but the success of such a program is questionable.

Goodart and partners did not know of any occurrences of scheelite SW of Prospects Nos. 3 and 4, although they stated that rock float containing scheelite had been found on the slope. Surface exploration by stripping of this steep slope would be extremely difficult.

The heart of the Siskiyou Mountains is primitive and has hardly been prospected for scheelite. The Wangoodlord claims are the first report of scheelite occurring in the region. Hence, consideration is given to the idea that a small DMEA loan to do some prospecting and expose possible tungsten leads in the area of the Wangoodlord property might be justified, in order to stir up interest in prospecting for tungsten in the region. By itself, a property like this one in districts where scheelite prospecting has been active, as in the Sierra Nevada, would warrant no attention. The marble- and lime silicate-granitic contact type of scheelite deposit is typical, however, and suggests that more of the same type of deposit lies undiscovered in the area.

Against this argument, the granting of a DMEA loan to a lessee, like Mr. Paonessa, to satisfy a broad scale objective might encourage him to sink development money into the Wangoodlord property when the showings of scheelite do not justify it. The owners of the property probably will continue small scale prospecting for scheelite in the region whether government assistance is forthcoming or not.

The Wangoodlord claims are remote from any operating mills or markets for scheelite ore. Enough scheelite reserves should be found to warrant building a mill and sustaining operations at or near the property. Indications are that not enough ore reserves could be developed on the property to allow for any moderate scale of operations. It is therefore concluded that no financial aid under the DMEA program is warranted at this time.

Defense Minerals Administration

Review of Application for Exploration Assistance

Docket No._____

Commodity_____

Total Amount_____

Govt. Participation_____

1. Name and Address of Applicant_____

_____

2. Location of Property_____

_____

_____

3. Mineral or metal_____ Is it listed in Section 9 of MO-5?

If not, application will be rejected.

4. Geologic probability of discovery--based on data in application (question #16, 17, 18, 20 and 22)*

Mines or Survey reports, etc., do you rate chances:

a) Good_____

b) Poor_____

c) None_____

d) Don't know--needs field examination_____

e) Is there an alternative and favorable project?_____
(If so, attach an explanation)

5. Is the applicant's right to the property clearly stated?_____
(question 5, 6, 7)*

6. If applicant is a lessee, is a copy of the lease attached?_____

Does the lease have sufficient time to run to cover a future

productive period?_____

*question numbers are those of MF-103

Docket

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

March 19, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten)
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4 claims
Siskiyou County, California

Reference is made to your letter, dated March 2, 1953, requesting a field examination of the subject property.

At the time the Copper Bluff Mine was examined (Docket DMEA-2826) on March 11, 1953, George H. Holmes, Jr., of the Bureau of Mines, and W. P. Irwin and J. F. Robertson, of the Geological Survey, attempted to make an examination of the subject property which is situated in a remote area on the South Fork of the Salmon River. On account of recent rains the road to the property was impassable.

Mr. Irwin plans to be in northern California in 4 or 5 weeks and will examine the tungsten property then, or when weather and road conditions permit.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno

No reply necessary
WSM

Copy retained 400

Docket No.
DMEA 2819 WO;
Goodart.

Forks of Salmon, Calif.
Mar 11-53

U.S. Dept. of the Interior.
DMEA Washington D.C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 18 1953

Dear Mr. Mittendorf:

Your letter Mar 2-53 rec'd this day.

Thanks very much for the results of the assays.

I assure you that mr Miller will be given all the co-operation and accommodation we can, as there are no hotels or eating places within 25 miles, but am sure we can furnish beds and eats.

Sincerely

Henry S. Goodart.

Copy retained 400
2 copies sent to Field Team

COPY

extra copy

Re- Docket No.
IMA 2119 Mo
Goodart

Forks of Salmon, Calif.
Mar 11 - 53

U. S. Dept. of the Interior,
IMA Washington D. C.

Dear Mr. Mittendorf:

Your letter Mar 2-53 recd. this day.

Thanks very much for the results of the assays.

I assure you that Mr. Miller will be given all the co-operation and accomodation we can, as there are no hotels or eating places within 25 miles, but am sure we can furnish beds and cots.

Sincerely

Sgd. Henry Goodart

Docket

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 13 1953

March 9, 1953

WSM

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten), Henry K. Goodart and partners, Wangoodlord Nos. 1, 2, 3, & 4 claims, Siskiyou County, California

Your subject letter, dated March 2, requesting a field examination of the Goodart claims is acknowledged.

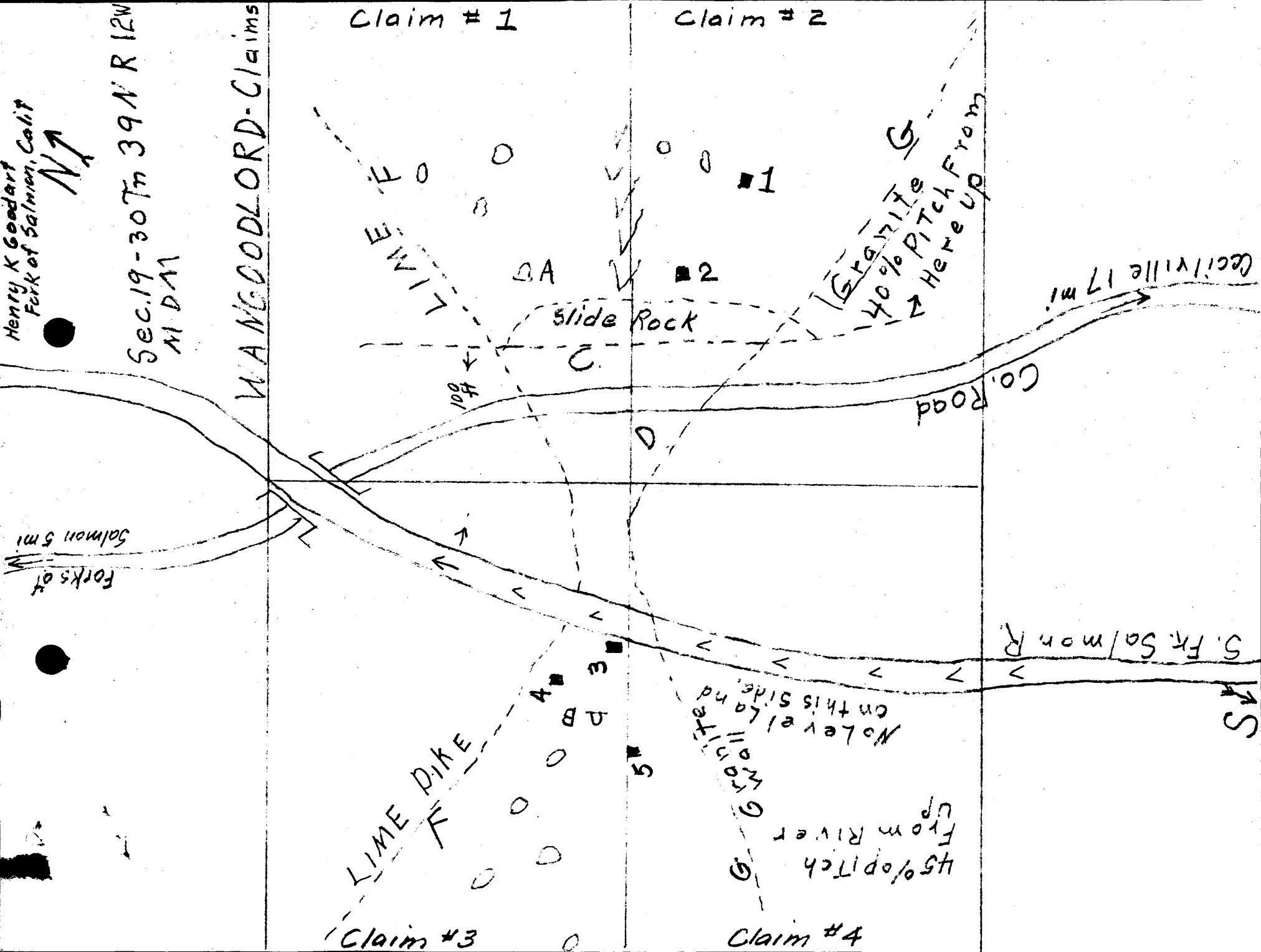
In the last paragraph of the letter you asked for a copy of the sketch map mentioned in Mr. J. B. Zadra's letter of February 16, 1953, to Mr. T. R. Graham. The sketch map referred to is the one accompanying the application and a copy should be attached to the MF-103 forms which have been retained in your office. Nevertheless, so that there will not be any question about your not having a copy of the map, I have made a copy of it and am attaching it herewith. On it you will note the sample locations Nos. 1 - 5 inclusive, as black squares.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS

Copy retained 400


Claim # 1
Claim # 2
Claim #3
Claim #4
Henry K Goodart
Fork of Salmon, Calif
N
Sec.19-30Tn 39N R 12W
M D M
MANGOODLORD-Claims
LIME DIKE
Slide Rock
Granite
40% Pitch From
Here Up
Co. Road
Cecilville 17 mi
Forks of
Salmon 5 mi
S. Fk. Salmon R.
45% Pitch
From River
Up
Nolevelo nd
on this side
Granite
100 ft
A
B
C
D
E
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G
1
2
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4
5

FILE COPY
SURNAME:

Rutledge
Martin
Hulsher
Gilluly
Hedges
Lemmon

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

MAR 2 1953

Mr. Henry K. Goodart
Forks of Salmon
California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4
claims
Siskiyou County, California

Dear Mr. Goodart:

Your application for assistance in exploring tungsten occurrences on the referenced claims has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for a field examination.

Results of assays of the five samples taken by you from your property and submitted to Mr. Miller for identification follow:

Sample No.	Location of sample	Percent			
		Cu	Ni	Co	WO_3
1	Tunnel #1, 18 inches wide	0.27	*0.01	*0.01	0.84
2	#2 on sketch map: 3 inches wide	0.08	*0.01	*0.01	0.30
3	Bottom of Shaft No. 3; 4 feet wide	0.30	*0.01	*0.01	0.42
4	#4 on sketch map; 1 foot wide	0.82	*0.01	*0.01	1.68
5	Outcropping close to No. 3	0.10	*0.01	*0.01	*0.01

* Less than

Note: Sample No. 3 - Spectrographic examination of Dore' bead from one assay ton sample did not detect the presence of Ir.
Sample No. 5 - Spectrographic examination did not detect the presence of Be.
Spectrographic examination detected Cu and Ni in all samples.

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 (for)
Administrator

S.N.
3/2/53

FARutledge/ls
2/27/53
CC: Docket
Field Team, Reg. 3
Code 400
Admn. Read. File
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

FILE COPY
SURNAME:

Rutledge
Martin
Selfridge

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

MAR 2 1953

Mr. N. C. Miller
Executive Officer, DMEA Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4
claims
Siskiyou County, California

Dear Mr. Miller:

The subject application was received in this office without any data to substantiate the occurrence of any of the minerals said to be present. On December 31, 1952, the applicant was advised that such data were required and it was suggested that samples be submitted to the Field Team for identification.

Assays of the five samples submitted by Mr. Goodart indicated that tungsten, copper, and a trace of cobalt and nickel were present in all of the five samples. Because it appears from past correspondence with the applicant that he will be able to furnish little additional information regarding the deposits, we are referring the subject application to your office for a field examination.

The Field Team should contact the applicant and discuss with him his proposed plan of exploration. Sufficient data should be secured during the examination to lay out an exploration program and draft a contract if the results of the field team examination are favorable. In the meantime it will be appreciated if you will send us a copy of the sketch map mentioned in Mr. J. B. Zadra's letter of February 16, 1953, to Mr. T. R. Graham.

Sincerely yours,

George C. Selfridge (GHS)
Chairman, Operating Committee

D.N. 3/2/53

Approved:

J. H. Hedges (GHS)
Member, Bureau of Mines

D. M. Lemmon (GHS)
Member, Geological Survey

FARutledge/ls 2/27/53

CC: Docket
Admn. Read. File
Code 400
Field Team, Reg. 3
Oper. Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

Docket Copy

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

February 19, 1953

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten, etc.), Henry K. Goodart and partners, Wangoodlord Nos. 1, 2, 3, & 4 claims, Siskiyou County, California

Reference is made to your letter, dated December 31, 1952, addressed to Mr. Henry K. Goodart, Forks of Salmon, California, a carbon copy of which was sent to us. In that letter you requested Mr. Goodart to send us samples of his ore for identification of beryl, cobalt, nickel, and tungsten minerals.

In accordance with your request, Mr. Goodart sent five samples to us with a covering letter dated January 16, 1953.

The samples were submitted to our metallurgical laboratory at Reno where they were analyzed. Attached is a copy of the report of the analysis. We are not notifying Mr. Goodart of the results, as we believe your office will want to do so.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS

Goodart

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
RARE AND PRECIOUS METALS EXPERIMENT STATION

METALLURGICAL DIVISION
Region III

Hydrometallurgical & Ore-Dressing Branch
Box D, University Station

RENO, NEVADA

February 16, 1953

Memorandum

To: T. R. Graham, Chief, Metallurgical Division, Reg. III

From: J. B. Zadra, Reno

Subject: Samples - Project Docket DMEA-2819 - Henry K. Goodart

Reference is made to memorandum dated January 27, 1953 on the above subject from Mr. H. C. Miller, Regional Director, Region III.

Following are the results obtained:

Sample No.	Location	%,Cu	%,Ni	%,Co	%,WO_3
1	Tunnel # 1, 18 inches wide	0.27	*0.01	*0.01	0.84
2	#2 on sketch map; 3 inches wide	0.08	*0.01	*0.01	0.30
3	Bottom of Shaft No. 3, 4 feet wide	0.30	*0.01	*0.01	0.42
4	#4 on sketch map, 1 foot wide	0.82	*0.01	*0.01	1.68
5	Outcropping close to No. 3	0.10	*0.01	*0.01	*0.01

* Less than

Sample No. 3: Spectrographic examination of Dore' bead from one assay ton sample did not detect the presence of Ir.

Sample No. 5: Spectrographic examination did not detect the presence of Be.

Spectrographic examination detected Cu and Ni in all samples, W in all except No. 5, Co in all except No. 3.

J. B. Zadra

400

FILE COPY
SURNAME:

Rutledge
Martin

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

FEB 4 1953

Mr. Henry K. Goodart
Forks of Salmon
California

Re: Docket No. DMEA 2819 - Tungsten etc.
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4 claims
Siskiyou County, California

Dear Mr. Goodart:

Your letter of January 16, 1953, has been received. We note that you have submitted samples from your prospect to Mr. Miller, Executive Officer, DMEA Region III, for identification as suggested in our letter of December 31, 1952.

It was also noted that you are now in some doubt whether the samples submitted contain Ge, Co, and the Pt group in addition to tungsten.

We wish to thank you for your interest in the Defense Minerals Program and will promptly inform you of the status of your application.

J. C. 2/4/53

Sincerely yours,

W. S. Martin, Acting Chief
Iron and Ferro-Alloys Division

cc: Docket
Field Team, Region 3
Code 400
Admn. Read. File
R. W. Geehan, USBM
D. M. Lemmon, USGS

EARutledge/hhb
2/3/53

Docket DMEA 2819

Docket

Forks of Salmon,
Jan. 14 - 53

Mr. C O Mittendorf
DMEA Administrator.
Washington 25, D.C.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 30 1953
2819
dmea

Dear Mr Mittendorf -:

Re your letter Dec 31 1952. Recd Jan 15-53. Mail is slow here. Samples as requested are being mailed to Mr Miller this day.

I would not vouch for what minerals may be found, other than scheelite. My request for Be, Co & the Pt group was based entirely on information received from outside sources and not authentic.

Should anything else be needed please call on me.

Sincerely,

Henry K Goodard
Forks of Salmon
Calif.

400

FILE COPY
SURNAME:

Martin
Selfridge

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

DEC 31 1952

Mr. Henry K. Goodart
Forks of Salmon, California

Re: Docket No. DMEA 2819 (tungsten, etc.)
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3 & 4 claims
Siskiyou County, California

Dear Mr. Goodart:

Reference is made to your application for assistance in exploring the subject claims for tungsten, cobalt, beryl, and the platinum-group metals. We note that you believe the ore contains better than 2 percent WO_3; small quantities of Cu, Fe, and S; and more Co, Ni, and Ir than other associated metals.

Our regulations require that each exploration project shall be justified by detailed substantiating data as called for by the application form, and our field examination is usually deferred until such information is received. As we understand that you have never had an analysis made of your ore, identification will be required of the beryl and the cobalt, nickel, and tungsten minerals. Please, therefore, send four ore specimens to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California. Such specimens, selected to represent your best showings of mineralization, should be at least two inches thick, about three inches wide, and about the same length. Each should be wrapped to keep it separate from the others, and be tagged to show what minerals we may expect to find present and what part of your property it comes from. The parcel of four does not need to weigh much more than five pounds.

Please also let us know as soon as you have sent the above ore specimens to Mr. Miller so that we may keep in close touch with the results of his mineral identifications.

Sincerely yours,

C. O. Mittenden (for) S.H. 12-31-52

Administrator

Copy to: Docket
Admn. Read. File
Field Team, Reg. 3
Code 400
D. M. Lemmon, USGS
R. W. Geehan, USBM

2 cc of Crittenden memo
to & to FT with cc of this ltr.

WSMartin/ls 12/31/52

IN REPLY REFER TO:

G-MD-CF

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

December 29, 1952

GCS 12/30/52

Memorandum

To: G. C. Selfridge

From: M. D. Crittenden

Subject: DMEA 2879
Henry K. Goodart and partners
Forks of Salmon
Siskiyou County, California

The applicants are locators of 4 claims in S. 19 and 30, T. 39 N., R. 12 W., on the South Fork of the Salmon River, Siskiyou County, California. They report the occurrence of tungsten, cobalt, iron, and nickel, but fail to indicate how these elements were identified, and state that they have never had an analysis of the ore, but that it contains 2% WO_3.

The area is reported by Francois G. Wells (personal communication) to be underlain by granitic rocks containing roof pendants and septa of meta-volcanics and sedements, including limestones, and consequently might well contain tactite deposits of scheelite. There is no geologic reason to expect Co, Ni, or Ir.

This application is of the grubstake variety, and the evidence presented does not warrant a field referral. The applicant should first be asked to substantiate the occurrence and assay of the elements mentioned. If this information is not available, I suggest that he be encouraged to send representative material to the California State Division of Mines for identification of cobalt and nickel minerals. If the resulting reports actually do indicate the existence of elements other than tungsten, samples should then be assayed, and the situation examined further.

Mark D. Crittenden Jr

M. D. Crittenden

Copy retained 400

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

December 22, 1952

Memorandum

To: Executive Officer, DMEA Field Team, Region III

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned Docket Number to an application recently received from Region III

DMEA-2819 Goodart, Henry K.

ROBERT E. ADAMS

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

December 22, 1952

Mr. Henry K. Goodart,
Forks of Salmon,
California.

Subject: DMEA-2819
Re: Exploration Assistance
Wangoodlord

My dear Mr. Goodart:

The receipt of your application dated December 12, 1952 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2819 and referred to the Iron and Ferro-Alloys Division.

Kindly refer to DMEA-2819 in any future correspondence relating to your application.

Sincerely yours,

ROBERT E. ADAMS

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

25451

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

December 18, 1952

Memorandum

To: DMEA, Interior Bldg., Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Application for exploration loan - Tungsten, cobalt, platnium group and beryl - Genry K. Goodart, Forks of Salmon, California

Attached are three copies of an application for an exploration loan, received in this office on December 17, 1952. A fourth copy is being retained in this office for our use.

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
RECEIVED
DEC 22 1952

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

Not to be filled in by applicant

Docket No. DMEA-2819
Metal or Mineral
Date Received 12/22/52
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: Henry K. Goodart, Forks of Salmon, California
Partner, E. R. Wann, Forks of Salmon, Calif.
R. G. Wann, Forks of Salmon, Calif.
R. R. Lord, Forks of Salmon, Calif.

(*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. Four (4) unpatented Mining Claims, Recorded as WANGOODLORD nos 1, 2, 3, 4 Liberty Mining District Siskiyou County California. Located in Sec. 19 & 30 T. 39 N. R. 12 W. MDM. Recd. Vol 78 pages 491, 493, 495, 497

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

(*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.

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. NONE

(*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 Tungsten Cobalt, Platinum Group & Beryl.

(*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.

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

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

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

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

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. None

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☒ Other Labor.

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 10 December, 1952

Henry K Goodart
(Applicant)

By Henry K. Goodart
Forks of Salmon
Calif.

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

4. (a) Henry K. Goddart Forks of Salmon Calif.

Location + Assessment work is All That has ever been done on these Claims
1 Tunnel 30 ft Deep
1 Shaft 10 ft Deep. Accessibility is good.

(b) None. To the best of my knowledge the Ore as follows -: WO_3 2+%, Cu-Fe-S. Very lite Mo none, Co-Ir + Ni More than other Associate metals. Scheelite will concentrate To 64.8 % + is First Grade Tungsten.
We have never had an Analysis of the Ore.

(c) The vein, or structure, between Lime + Granite Dikes is about 80 ft at narrowest point + consists of a varity of Ores such as Black, White, Red + Brown all Oxide Sulfide + Scheelite bearing.
To get developement enough to determaine if ore is in sufficient quantity to To Work.

(d) County Road runs Through center of claims. Nearest Shipping point is Yreka, Calif. Nearest community is Forks of Salmon, 5 mi; P.O. Two Grocery Stores. Nearest Supply point Yreka 80 mi.

(e) Manpower sufficient for our needs. Two Saw mills close by, Most of Other Supplys Available at Yreka.
Power will have To be Gas or Diesel.
Water Sufficient, Pump or Gravity.

5. (b)

Henry K. Goodart
Forks of Salmon, Calif.

The attached Map Showing present Excavations, outcroppings and Exploration plan as Follows—:

1 Tunnel 30 ft deep, 190 ft elevation above Road.
2 Excavation on Vein, but not Underground.
3 Shaft 10 ft deep, on Vein.
4 Excavation & outcropping, on Vein.
5 Excavation & outcropping, on vein.
0 Float Sheelite.

The proposed working plan is to remove slide Rock at "C" & drive Tunnels at "A" in Claim #1, at "2" in Claim #2 at "B" in Claim #3, about 100 ft or to Solid Rock & Crosscut to contact walls, Lime "F" and Granite "G" which are about 80 ft apart at "3 & 4" An aerial Tram & foot Bridge from "B" to "D", as there is no dump space on West side of River. "3" is at Water Level now. There is a large Lime & Granite "horse" protrudeing between "A" & "2", reason for two tunnels. Lime & Granite on west side of river outcrop for about one mile in Width.

5(d)

Henry K Goodart
Forkoot Salmon, Calif.

The applicant started mining 1910, worked in and around Coal mines until 1924, started hardrock mining 1935, leased for a year, worked at Grass Valley, Walker mine, US Vanadium at Bishop, California, have drifted, Tunneled, Stopped, drove raises, Sunk Shafts. have done construction work, Electrical, mechanical, Machinist and Blacksmith. Know the California mining laws. Worked at Hawaian Islands 18mo during War driving Ammunition storage Tunnels, Worked at Naval Supply Center, Oakland 1944 to 1950, Diesel Mechanic. Five years U.S. Army, Stenographer, Typist, last discharge Staff Sgt 1929.

It is contemplated to have an assistant Supervisor to take charge when manager is away Mr. E.R. Wann, Senior partner, is very competant at handling men, and a good construction Engineer, has lived in this vicinity about twenty years, Is not a hardrock miner, Therefore I recommend Mr. E.R. Wann as Assistant Supervisor.

6. Estimates of Costs, Henry K. Goodart
Forks of Salmon, Calif.

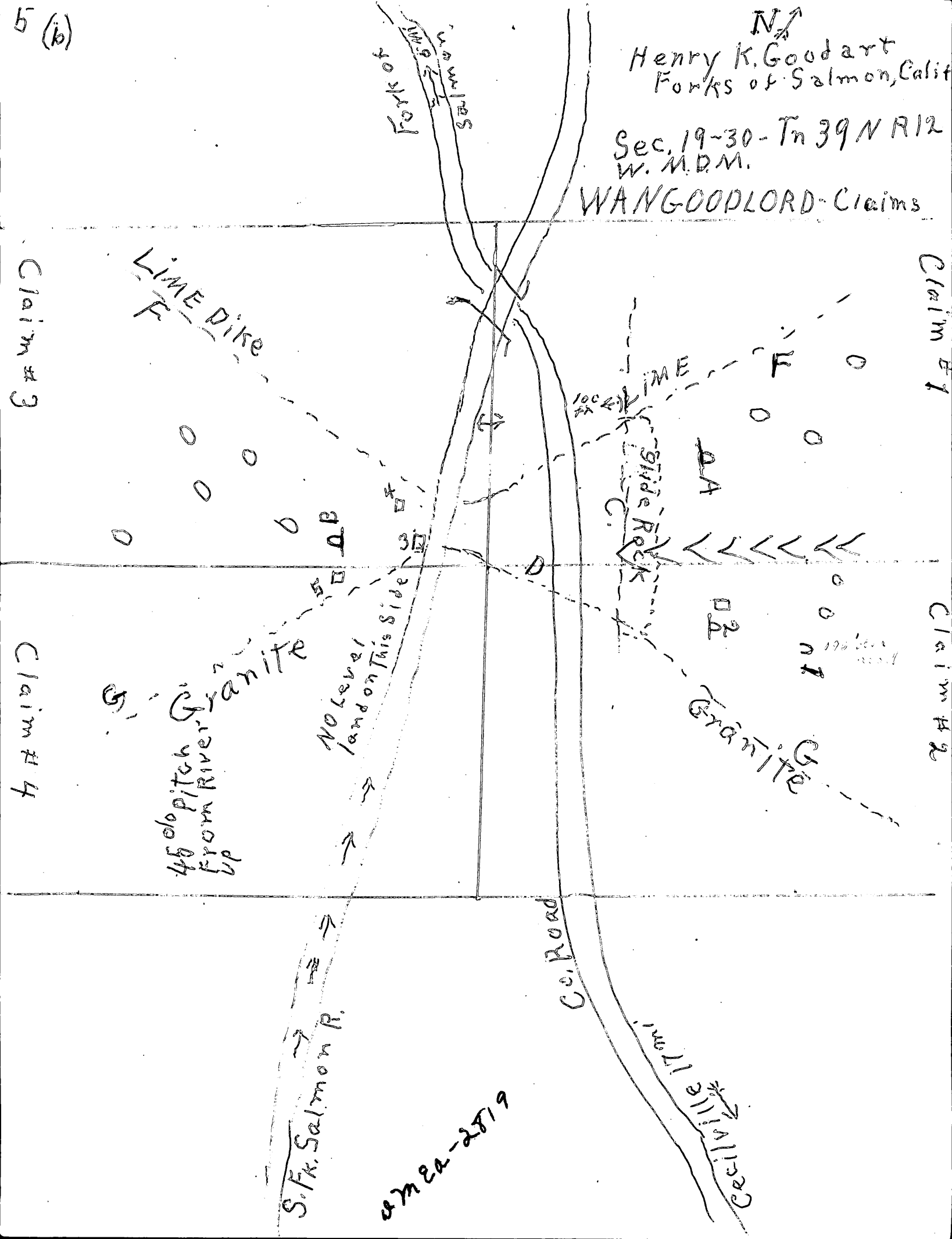
(a) Bulldozer Contract, about 2500 Cu. yds.		
$10.00 per hr. or $75.00 per day 8 days	600	00
No other contracts.		
(b) Labor.		
4 Miners $2.25 per hr. for 6 mo.	$2,232	00
4 Muckers $1.70 per hr for 6 mo	8,486	00
2 part Time common laborers $1.50 per hr. [52 days	624	00
1 Assistant Supervisor $600.00 per mo.	3,600	00
1 Manager $750.00 per mo.	4,500	00
1 Geological Consultant, 2 days	150	00
(c) Operating material & Supplies] Total	29,192	00
Lumber for office, houseing for Machenery & Other Various uses, 5 M. 45 per M	225	00
2 Ore buckets at $50.00 ea.	100	00
4 Wheelbarrows $25.00 ea	100	00
Assortment of pulleys, bolts, Clamps, Nails Valves, picks, Shovels	150	00
100 Boxes powder $12.00 per box	1,200	00
1500 Electric Blasting Caps, 20¢ ea	300	00
500 ft 1 in pipe 20¢ ft	100	
1500 ft 2 in pipe 35¢ ft	525	00
9 Carbloy drill Bits $20.00 ea	180	00
60 ft Drill Steel $1.50 per lb	270	00

6. Estimates of Costs (Cont'd)

Henry K Goddart
Fort of Salmon, Calif.

(e) 2 Ultra Violet Lights $64. ea	128.00
Gasoline hoist on Claims belongs to uninterested party, Estimated cost of Repair	450.00
(d) 1 Compressor, Diesel driven, 2nd hand	1 800.00
2 Drill Machines with all attachments 2nd Hand $300.00 ea	600.00
1 Truck 3½ Ton Cap. 2nd hand	1 500.00
(f) No buildings on Claims, Lumber listed under 6.(c)	
(g) Cost of Repair + maintainance estimated not to exceed	500.00
Analytical, 3 samples per week $8.00 per sample	624.00
Accounting, Compensation, Liability Ins + payroll Taxes. ?	
(h) 1 Typewriter	108.00
Diesel Oil 2500 gal @ 12¢ gal	300.00
Gasoline 750 gal @ 30¢ gal	225.00
Lube Oil + Grease	60.00
7. (b) The only means we have of furnishing our share of the cost is by Labor Four owners, (as listed under 7(a)), will work full time on the project.	
Total	$38 637.00

5 (b)


N
Henry K. Goodart
Forks of Salmon, Calif
Sec. 19-30-Tn 39 N R 12
W. M.D.M.
WANGOODLORD-Claims
Forks of Salmon
Claim #3
Claim #1
Claim #4
Claim #2
Lime Dike
F
LIME
F
A
B
D
C
G
Granite
Granite
No Level land on This Side
45 pitch From River Up
Co. Road
S. Fk. Salmon R.
Cecilville 17 mi
WMEA-2819

ARTMENT OF THE INTERIOR
BUREAU OF MINES
224 New Customhouse
Denver 2, Colorado

OFFICIAL BUSINESS

(PMGC)

E. O. MITTENDORF, ACTING ADMINISTRATOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
INTERIOR BUILDING
WASHINGTON 25, D. C.

1 sq mail envelope - 1/22/52

2819

AUG 4 1953

Mr. Geo. C. Paonessa
1915 North Broadway
Los Angeles 31, California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, and 4
claims
Siskiyou County, California

Dear Mr. Paonessa:

Reference is made to the subject docket and your letter of July 20, 1953, which crossed in the mail with our letter of July 16, 1953, denying Mr. Goodart's application for exploration assistance on the above-referenced property.

The report you inquired about is one by our Field Team and reports of this type 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 publication, we are listing the results of the six samples taken from the Wangoodlord claims by our representatives. A description of the samples and their analyses follow:

Sample No. 1. 1.39 percent WO_3, was taken of the 300 pounds of sorted ore produced in driving the 27-foot adit at Prospect #1. It is estimated that in driving the adit approximately 79 tons were broken, and the sorted ore thus represents about 0.19 percent of the material.

Sample No. 2. 0.02 percent WO_3, 2½ feet wide, was taken across the bottom of the shaft on Prospect #3.

Sample No. 3. 0.09 percent WO_3, 3 feet wide, represents one of the few concentrations of scheelite at the intersection of joint planes or fractures at Prospect #3. This sample was taken across the largest concentration.

Sample No. 4. 2.45 percent WO_3, 3 inches wide, was taken across the lens of scheelite, 4 feet long, exposed at the collar of the shaft on Prospect #3. This lens pinched out with depth as indicated by the results of Sample #2.

Sample No. 5. 0.06 percent WO_3, represents a lens 14-inches wide at Prospect #4.

Sample No. 6. 0.22 percent WO_3, 2 feet wide, was taken from the scheelite zone exposed in the adit at Prospect #1. The 300 pounds of ore represented by Sample No. 1 was presumably sorted from material of no better grade than this.

The above sample results could be used, however, as a check against the analysis of another individual only in the event that he also had made his analysis on a representative split of the corresponding sample taken by our Field Team.

If you have had conflicting analyses for your own samples, you could investigate by having one large sample crushed and then split into several parts in such a manner that each part would be representative of the whole. The parts could be analysed by the different assayers whose results you have cause to doubt, and if you needed a further check on the accuracy of their analytical procedures, you could submit one part for so-called "umpire" determination by one of the better known analysts. Two analysts among many are: Abbott A. Hanks, Inc., 624 Sacramento Street, San Francisco (11), California, and Smith, Emery and Co., 920 Santee Street, Los Angeles (15), California.

Sincerely yours,

C. O. Mittendorf

Administrator

FAHutledge/Martin/foc
7-31-53
cc: Docket
Field Team, Reg. 3
Adm. Reading File
Code 400
D. M. Lemmon, USGS
R. W. Geehan, USBM
Operating Committee

400

JUL 1 6 1953

Mr. Henry K. Goodhart
Forks of Salmon, California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodhart and partners
Wangoodlord Nos. 1, 2, 3 and 4
claims
Siskiyou County, California

Dear Mr. Goodhart:

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

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

Careful study of all our information, although noting a small amount of tungsten mineralization on your property, indicates to us that the probability of disclosing ore reserves by your proposed program is not sufficiently promising to justify Government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

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

Sincerely yours,

E. O. Mittendorf

Administrator

cc: Docket
Field Team, Reg, 3
Code 400
Adm. Read. File
Oper. Comm.
D. M. Lemmon, USGS
R. H. Geehan, USBM

JHopkins/ls 7/15/53

July 14, 1953

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance in the amount of $38,637.00
Docket No. DMEA 2819 - Tungsten
Wangoodlord Nos. 1, 2, 3 and 4 claims
Siskiyou County, California

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

(1) An examination by the examining geologist indicated that the chances of finding significant amounts of scheelite on these claims by any method of exploration are poor.

(2) The applicant proposed a series of exploration projects at various points on the claims involved, the following:

(a) Removal of overburden or "slide rock" to uncover bedrock.
(b) Three tunnels each 100 feet long.
(c) An in efinite amount of cross-cutting from each of the tunnels.

(3) Tactite is found in rather meager quantities along granodiorite contacts, the largest exposure observed being a lens 20 feet by 50 feet. Scheelite occurs in the tactite in concentrated knots and seams, as disseminations, and to a limited extent as scattered crystals in amphibolite.

(4) Six samples were taken by the field team. Analyses of these gave the following results:

1.	300# sorted ore at Portal	Prospect	No. 1	1.39% WO_3
2.	Bottom of shaft, 2½' wide	"	No. 3	0.02% "
3.	Tactite seam, 3' wide	"	No. 3	0.09% "
4.	8" seam in tactite	"	No. 3	2.45% "
5.	14" seam in tactite	"	No. 4	0.06% "
6.	Oxidized tactite, 2' wide	"	No. 1	0.22% "

(5) The Field Team concludes that the favorable marble and lime silicate rock occur in such small lenses and are so erratically distributed as not to justify the underground workings as proposed by the applicant. Stripping the overburden to uncover bedrock might uncover scheelite mineralization, but the success of such a program is questionable.

(6) The Field Team recommended denial of the application.

(7) The Commodity Division of the U. S. Geological Survey concurs with the denial.

(8) The Commodity Division of the U. S. Bureau of Mines concurs with the denial of the subject application.

SIGNED

W. E. Martin, Acting Chief
Iron and Ferro-Alloys Division

JHopkins/ls
7/14/53

cc: Docket
Adm. Reading File
Code 400
Oper. Comm.

Let's wait till he writes to us. Then we might say that while a selected grab sample and a sample over width of small number of inches assayed over 1%, the samples over widths greater than 1 foot ran between 0.02 & 0.22

Docke
1

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

July 15, 1953

Mr. George C. Paonessa
1915 North Broadway
Los Angeles 31, California

Re: Docket DMEA-2819 (Tungsten)
H. K. Goodart & partners,
Wangoodlord claims
Siskiyou County, Calif.

Dear Mr. Paonessa:

I acknowledge your letter dated July 13, 1953, requesting the results of the samplying of your property in Siskiyou County, California, at the time your claims were examined by Mr. J. F. Robertson, of the Geological Survey, in connection with your application for an exploration loan.

Information of that type will have to come from Washington, D. C. and we suggest you send your request to Mr. C. O. Mittendorf, Administrator, Defense Minerals Exploration Administration, Interior Building, Washington 25, D. C.

Sincerely yours,

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: DMEA, Washington, D. C.
E. H. Bailey, USGS

P.S. to DMEA - He wants to know our results to check against three of his assays which, he writes, are all different. I have not seen fit to send him the information, though you may feel it proper to do so.

H.C.M.

402

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

Office of
Executive Officer
DMEA Field Team
Region III

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

June 30, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten)
H. K. Goodart & partners, Wangoodlord claims
Siskiyou County, California

Reference is made to your letter dated March 2, 1953, requesting a field examination of the Wangoodlord claims in Siskiyou County, California.

Attached are four copies of a report entitled "DMEA-2819 - Tungsten, Wangoodlord Claims, Siskiyou County, California," by J. F. Robertson, Geologist, U. S. Geological Survey, dated June 26, 1953.

The conclusion reached by the examining geologist is that the chances of finding significant amounts of scheelite on the Wangoodlord claims by any methods of exploration are poor, and indications are that not enough ore would be uncovered to justify the cost of exploration. Only two of the assays are encouraging, one is from a small showing and the other is from a pile of hand sorted ore.

It is recommended that financial assistance under the DMEA program is not warranted at this time.

H. C. MILLER
H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno (With copy of report)

Reviewed by
DMEA OPERATING COMMITTEE

7-10-53
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
SECRETARY OF THE INTERIOR, D. MCKAY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

DMEA 2819 - Tungsten, Wangoodlord Claims

Siskiyou County, California

J. F. Robertson, Geologist
U. S. Geological Survey

June 26, 1953

Reviewed by
DMEA OPERATING COMMITTEE

7-10-53
(date)

Introduction

At the request of H. C. Miller, Executive Officer for DMEA Region III, J. F. Robertson of the U. S. Geological Survey examined the Wangoodlord tungsten claims, Siskiyou County, California, DMEA 2819, on the evening of May 19 and during the day of the 20th, 1953. Owner partners present at the examination were H. K. Goodart, E. R. Wann, and R. R. Lord. G. C. Paonessa of Los Angeles, who signed a seven year lease for the claims on May 4, 1953, was unable to be present. Prospect pits and outcrops were inspected with ultra-violet lamp at night, and mapped and sampled during the day. Six samples were taken from showings of scheelite-bearing rock and assayed by the U. S. Bureau of Mines at Reno, Nevada.

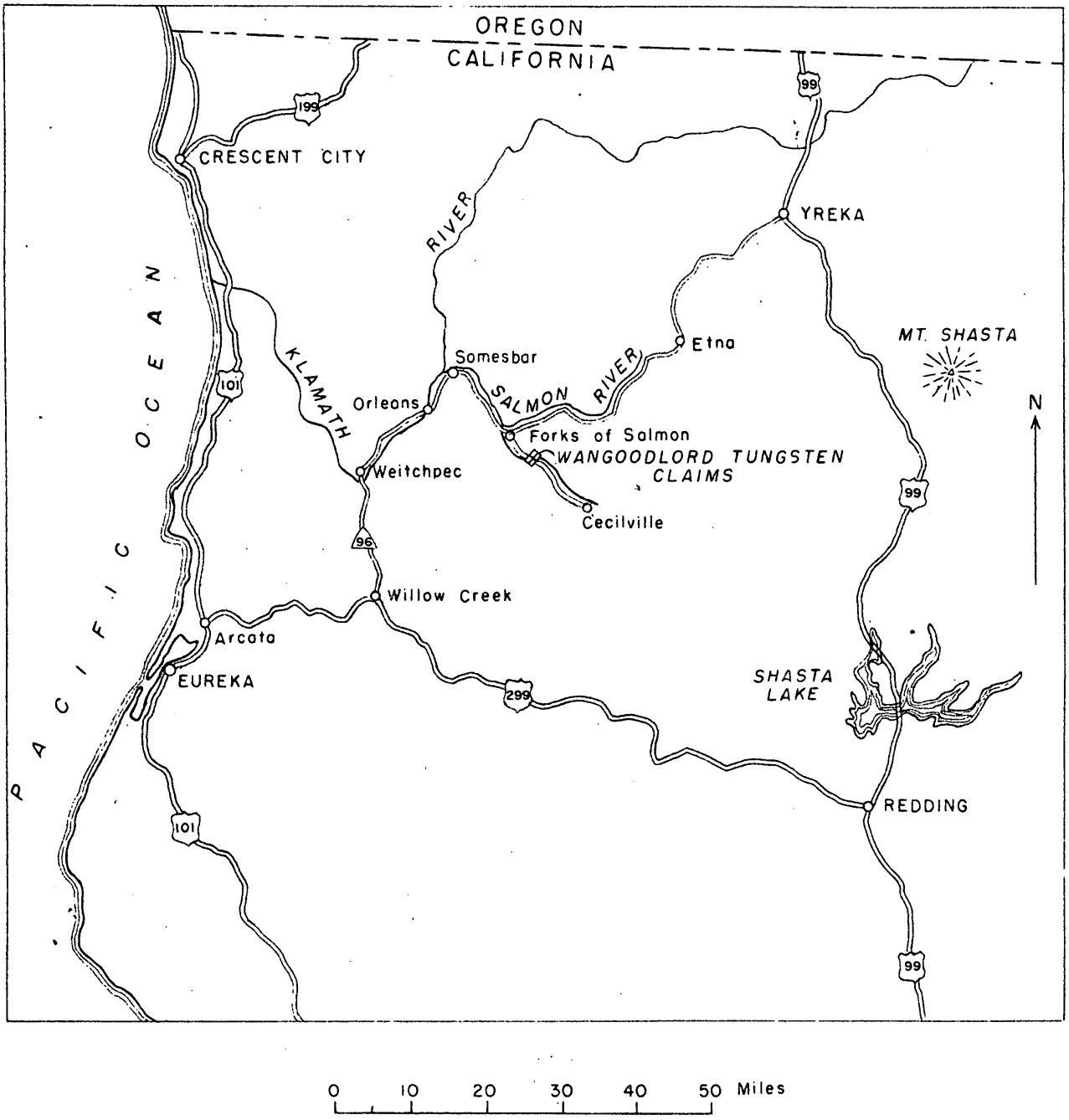
Status of Application and Property

An application for government assistance to explore the Wangoodlord claims was submitted to DMEA by Mr. Goodart and partners in December, 1952. Since then Mr. G. C. Paonessa has leased the property, and has indicated a desire to take over the DMEA commitment. Goodart and partners had no capital by which to finance their share of any exploration, but they expected to make up their portion in labor. Paonessa, however, appears to have the capital and equipment necessary to successfully negotiate a DMEA contract; he is a contracting engineer for buying and selling of mining and milling machinery with an office at 1915 North Broadway, Los Angeles 31, California. The lease is to run for 7 years from date of signing, May 4, 1953, provided work commences within 60 days or $200 per month is paid thereafter to hold the lease. The agreement provides that the owners will be employed to work on the claims.

The Wangoodlord Claims were located by the present owners. No tungsten production, only assessment work, has been accomplished. No mining machinery or equipment is present on the property.

Location and Description

The four Wangoodlord tungsten claims are on the South Fork of the Salmon River, approximately 3½ miles SE of Forks of Salmon, Siskiyou County, California. They are in the Klamath National Forest, secs. 19 and 30, T. 39 N, R. 12 W., MDB & M, Sawyers Bar quadrangle. The claims straddle the river and the county road with their lengths oriented roughly N40E.



INDEX MAP, WANGOODLORD TUNGSTEN CLAIMS
SISKIYOU COUNTY, CALIFORNIA

The property is about 69 miles by winding narrow road from Willow Creek, a town on U. S. Highway 299 between Redding and Eureka. Except for several stretches, the road is paved to Orleans, a distance of 40 miles from Willow Creek. The remaining 29 miles are on dirt road maintained in good condition, but constantly threatened by landslides, especially when the weather is wet. An alternate route of approach is from Yreka on U. S. Highway 99, a distance of 76 miles. Thirty miles of road is paved between Yreka and Etna. The remaining 46 miles are on dirt road that is comparable to the other route; however, it crosses a 6,000 foot high pass, which is blocked by snow each winter. The closest railroad at Yreka is a spur of the Southern Pacific line.

The local topography is steep; the west side of the Salmon River gorge slopes 35° or greater and the east side about 27° at the location of the claims. The altitude at the river is around 1,350 feet, and the ridges range from 4 to 6 thousand feet. Bedrock exposures are not good on the property. They are covered extensively by soil and gravel, particularly east of the river. Both deciduous and evergreen trees are abundant and underbrush is moderately heavy on the claims.

Workings

Some minor workings constitute 3 of the 4 prospects visited. They are described in order and with respect to the conditions surrounding them. Prospect #1 consists of a 27 foot adit that trends N58° E. Only about 14 feet of it can be considered underground, for caving of the roof has occured. The rock at the face is immediately overlain by soil, which would be nearly 12 feet thick except for slumping. The adit is about 190 feet vertically above the road on a slope of at least 27°. Rock material dumped at the portal rolls half way down to the road. The Prospect is reached by means of a steep trail.

Prospect No. 2 is an excavation or trench 23 feet long trending N43° E. It exposes rock having only a foot or two of soil cover and is on a slope that is close to 20°. It is reached by means of a trail.

Prospect No. 3 contains a shaft 7 feet deep in tactite that is reached by a trail on the west side of the river. The trail is narrow, built along a cliff 30 to 40 feet above the river, and consists in large part of planking with wooden braces. The shaft collar is not more than 15 feet above normal river level and is below flood stage level, as exemplified last winter when it was filled with sand and gravel. There is no dump room. The slope rising westward from the shaft is greater than 30°.

Prospect No. 4 on the trail west of the river has no workings, but consists of a rock outcrop containing minor scattered scheelite. It is practically on a cliff and allows for no dumping space.

General Geology

The Wangoodlord claims and the surrounding area are underlain by granitic rock that has irregularly invaded metamorphic rocks, leaving pendants and septa of quartzite, hornfelsed chert, some lime-silicate rock, and a few small lenses of marble. The granitic rock is probably granodioritic in composition, and is fine to medium grained and massive. Except for coarsely crystalline marble, the metamorphic rocks are very fine-grained and appear massive in outcrops. Locally along the river channel, thin bedding in cherty rocks is well shown, where it is etched out by running water.

Along some of the granodioritic contacts, fine- to medium-grained amphibolite is developed from lime silicate rock, and marble is extensively altered to tactite. Tactite consists of medium to coarsely crystalline, mixed garnet, hornblende, epidote, calcite, and quartz. The largest exposure of tactite on the property is situated on the west bank of the river at Prospect #3; it consists of a lens, 20 by 50 feet, surrounded by granodiorite. Some tactite is also exposed in the adit at Prospect #1. The tungsten mineral, scheelite, occurs in the tactite in concentrated knots and seams as disseminations, and to a limited extent as scattered crystals in amphibolite along the granite contacts.

Structure

Bedding is poorly defined in the vicinity of the claims. Although bedding can be faintly recognized in the outcrop west of Prospect #1, the rock is so contorted that no representative attitude could be found. On the west bank of the river, however, quartzitic and cherty rocks show small, open, regular folds, the axes of which trend generally N50° E. Near the granite contact bedding in cherty rock strikes N30° E and dips 50° NW.

No particular pattern could be determined from the distribution of rocks in the claims, although some of the exposed contacts and fractures trend in the same direction as the NE fold axes. Soil overburden and terrace gravels obscure a great deal of the rock relationships, especially east of the river. Frozen contacts occur between the tactite lens and granitic rock at Prospect #3, and in places between the massive quartzite and granite in the long outcrop east of the river. At other places the contact is marked by vertical fractures along which little or no movement has taken place. No well defined fault zone was observed. A slight amount of shearing marks the scheelite zone in Prospect No. 1.

Joint fractures are abundant. The most prominent joints are displayed at Prospect #3 where several vertical fractures strike N. 60° E. in granitic rock, and pass directly into and through the tactite. They are filled with calcite or quartz a small fraction of an inch thick, and contain scheelite that is in small concentrations at some points.

Mineral Deposits

Scheelite occurs at the points marked as prospects on the map. The sulfides pyrrhotite and chalcopyrite are intimately associated with scheelite in Prospect No. 3, but at the other prospects the sulfides have been oxidized to malachite, azurite, and limonite.

At the face of the 27 foot adit in Prospect No. 1 scheelite is regularly disseminated in altered lime silicate rock that is stained with iron oxide. The scheelite zone is 4 feet wide at the floor, but apexes 4 feet above the floor. The over-all grade is estimated at somewhat less than 0.5 per cent WO_3. Sample No. 6 was taken from midway between the top and base of the zone.

Roughly 300 pounds of sorted ore taken from the adit was piled at the portal. Sample No. 1 was taken as representative of the ore. Although the assay of 1.39 per cent WO_3 suggests fairly high grade material, it was hand sorted from rock identical to sample No. 6, which assayed 0.22 per cent WO_3.

Prospect No. 2 shows only a trace of scheelite at the face of the 22 foot long trench, along the limonite stained contact between granodiorite and quartzite. No sample was taken from this prospect.

At Prospect No. 3 scheelite occurs in the tactite lens that is surrounded by granitic rock. The best concentration of scheelite is in a band 8 to 12 inches wide by 4 feet along the granite contact, exposed at the north corner of the 7 foot deep shaft. This band is estimated to contain between 1.0 and 1.5 per cent WO_3 over-all, although sample No. 4 from this band assayed 2.45 per cent WO_3. The band widens to 2 feet in the center of the shaft but the grade drops appreciably, as shown by assay of sample No. 3. The scheelite is fine grained and is admixed with considerable pyrrhotite and some chalcopyrite. Other minor occurrences of scheelite within the tactite are along inch wide joint planes that are partly filled with calcite and quartz. Concentrations occur in 6 or 7 erratically distributed clumps at the intersection of joint planes or fractures. The largest concentration from which sample No. 3 is taken is not more than 3 feet in diameter.

Prospect No. 4 consists of a trace of scheelite in a shear zone 14 inches wide in hornfelsed chert and quartzite near the granodiorite contact. Sample No. 5 taken from this prospect assayed 0.06 per cent WO_3.

The prospectors claim that rock float with scheelite mineralization occurs on both sides of the river, but the importance and grade of this material could not be appraised.

Proposed Exploration

Goodart and partners submitted some proposals for exploration, involving:

1. Removal of overburden or "slide rock", presumably to uncover bed rock, below Prospect No. 2.
2. Three tunnels, each 100 feet long, located--
   a. Approximately 150 feet NW of Prospect No. 2, and trending NE
   b. At Prospect No. 2, and trending NE
   c. 50 feet SW of Prospect No. 3, and trending SW
3. An indefinite amount of crosscutting from each of the tunnels.

G. C. Paonessa indicated that he would await the government geologist's report before deciding on a course of exploration.

Conclusions and Recommendations

Chances of finding significant amounts of scheelite on the Wangoodlord Claims by any method of exploration are poor, because the conditions favorable to the occurrence of scheelite are so limited in extent and distribution. The favorable marble and lime silicate rock occur in lenses that are small and erratically distributed. Granitic rock is unpredictable in occurrence, and only locally is in contact with marble or lime silicate rock. Exploration for favorable granite-marble relationships would require more work than the amount of scheelite uncovered would be worth.

Underground workings, as proposed, are certainly not justified at this time on the meager showings of scheelite. More intensive prospecting of the surrounding area is needed to determine the general distribution of scheelite-bearing marble and granitic rock. Geologic relations are considerably obscured by soil cover above the terrace on the east side of the river. Stripping the overburden from this slope down to bedrock might uncover some scheelite mineralization, but the success of such a program is questionable.

Goodart and partners did not know of any occurrences of scheelite SW of Prospects Nos. 3 and 4, although they stated that rock float containing scheelite had been found on the slope. Surface exploration by stripping of this steep slope would be extremely difficult.

The heart of the Siskiyou Mountains is primitive and has hardly been prospected for scheelite. The Wangoodlord claims are the first report of scheelite occurring in the region. Hence, consideration is given to the idea that a small DMEA loan to do some prospecting and expose possible tungsten leads in the area of the Wangoodlord property might be justified, in order to stir up interest in prospecting for tungsten in the region. By itself, a property like this one in districts where scheelite prospecting has been active, as in the Sierra Nevada, would warrant no attention. The marble- and lime silicate-granitic contact type of scheelite deposit is typical, however, and suggests that more of the same type of deposit lies undiscovered in the area.

Against this argument, the granting of a DMEA loan to a lessee, like Mr. Paonessa, to satisfy a broad scale objective might encourage him to sink development money into the Wangoodlord property when the showings of scheelite do not justify it. The owners of the property probably will continue small scale prospecting for scheelite in the region whether government assistance is forthcoming or not.

The Wangoodlord claims are remote from any operating mills or markets for scheelite ore. Enough scheelite reserves should be found to warrant building a mill and sustaining operations at or near the property. Indications are that not enough ore reserves could be developed on the property to allow for any moderate scale of operations. It is therefore concluded that no financial aid under the DMEA program is warranted at this time.

COPY

Re- Docket No.
DMEA 2819 WO3
Goodart

Forks of Salmon, Calif.
Mar 11 - 53

U. S. Dept. of the Interior,
DMEA Washington D. C.

Dear Mr. Mittendorf:

Your letter Mar 2-53 recd. this day.

Thanks very much for the results of the assays.

I assure you that Mr. Miller will be given all the co-operation and accommodation we can, as there are no hotels or eating places within 25 miles, but am sure we can furnish beds and eats.

Sincerely

Sgd. Henry K Goodart

2 cc sent to FT
1 copy retained Docket

MAR 2 1953

Mr. H. C. Miller
Executive Officer, DMEA Region III
1012 Flood Building
870 Market Street
San Francisco 2, California

Re: Docket No. DMEA 2619 - Tungsten
Henry K. Goodart and partners
Wangoodlard Nos. 1, 2, 3, & 4
claims
Siskiyou County, California

Dear Mr. Miller:

The subject application was received in this office without any data to substantiate the occurrence of any of the minerals said to be present. On December 31, 1952, the applicant was advised that such data were required and it was suggested that samples be submitted to the Field Team for identification.

Assays of the five samples submitted by Mr. Goodart indicated that tungsten, copper, and a trace of cobalt and nickel were present in all of the five samples. Because it appears from past correspondence with the applicant that he will be able to furnish little additional information regarding the deposits, we are referring the subject application to your office for a field examination.

The Field Team should contact the applicant and discuss with him his proposed plan of exploration. Sufficient data should be secured during the examination to lay out an exploration program and draft a contract if the results of the field team examination are favorable. In the meantime it will be appreciated if you will send us a copy of the sketch map mentioned in Mr. J. B. Zadra's letter of February 16, 1953, to Mr. T. R. Graham.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Approved:

J. H. Hedges

Member, Bureau of Mines

S. M. Lemmon

Member, Geological Survey

FARutledge/ls 2/27/53

CC: Docket
Admn. Read. File
Code 400
Field Team, Reg. 3
Oper. Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

MAR 2 1953

400

Mr. Henry K. Goodart
Forks of Salmon
California

Re: Docket No. DMEA 2819 - Tungsten
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4
claims
Siskiyou County, California

Dear Mr. Goodart:

Your application for assistance in exploring tungsten occurrences on the referenced claims has been reviewed by the Iron and Ferro-Alloy Division of the Defense Minerals Exploration Administration and has been referred to Mr. H. C. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California, for a field examination.

Results of assays of the five samples taken by you from your property and submitted to Mr. Miller for identification follow:

Sample No.	Location of sample	Percent			
		Cu	Ni	Co	WO_3
1	Tunnel #1, 18 inches wide	0.27	*0.01	*0.01	0.84
2	#2 on sketch map; 3 inches wide	0.08	*0.01	*0.01	0.30
3	Bottom of Shaft No. 3; 4 feet wide	0.30	*0.01	*0.01	0.42
4	#4 on sketch map; 1 foot wide	0.82	*0.01	*0.01	1.68
5	Outcropping close to No. 3	0.10	*0.01	*0.01	*0.01

* Less than

Note: Sample No. 3 - Spectrographic examination of Dore' bead from one assay ton sample did not detect the presence of Ir.

Sample No. 5 - Spectrographic examination did not detect the presence of Be.

Spectrographic examination detected Cu and Ni in all samples.

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,

G. O. Mittendorf

Administrator

FARutledge/ls
2/27/53
CC: Docket
Field Team, Reg. 3
Code 400
Admn. Read. File
Operating Committee
D. M. Lemmon, USGS
R. W. Geehan, USBM

400
Copy

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Bureau of Mines, Washington
RECEIVED
FEB 25 1953

1012 Flood Building
870 Market Street
San Francisco 2, Calif.

February 19, 1953

Memorandum

To: C. O. Mittendorf, Administrator, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten, etc.), Henry K. Goodart and partners, Wangoodlord Nos. 1, 2, 3, & 4 claims, Siskiyou County, California

Reference is made to your letter, dated December 31, 1952, addressed to Mr. Henry K. Goodart, Forks of Salmon, California, a carbon copy of which was sent to us. In that letter you requested Mr. Goodart to send us samples of his ore for identification of beryl, cobalt, nickel, and tungsten minerals.

In accordance with your request, Mr. Goodart sent five samples to us with a covering letter dated January 16, 1953.

The samples were submitted to our Metallurgical laboratory at Reno where they were analyzed. Attached is a copy of the report of the analysis. We are not notifying Mr. Goodart of the results, as we believe your office will want to do so.

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: E. H. Bailey, USGS

FEB 4 1953

Mr. Henry K. Goodart
Forks of Salmon
California

Re: Docket No. [illegible] 2919 - Tungsten etc.
Henry K. Goodart and partners
Jungoodlord Nos. 1, 2, 3, & 4 claims
Siskiyou County, California

Dear Mr. Goodart:

Your letter of January 16, 1953, has been received. We note that you have submitted samples from your prospect to Mr. Miller, Executive Officer, DMEA Region III, for identification as suggested in our letter of December 31, 1952.

It was also noted that you are now in some doubt whether the samples submitted contain Ag, Co, and the Pt group in addition to tungsten.

We wish to thank you for your interest in the Defense Minerals Program and will promptly inform you of the status of your application.

Sincerely yours,

L. A. Martin, Acting Chief
Iron and Ferro-Alloys Division

cc: Docket
Field Team, Region 3
Code 400
Admn. Rend. File
R. W. Geehan, USBM
D. M. Lemmon, USGS

EARutledge/hhb
2/3/53

4100

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

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
FEB 2 1953

1012 Flood Building
870 Market Street
San Francisco 2, California

January 27, 1953

WSM

Memorandum

To: T. R. Graham, Chief Metallurgist, Bureau of Mines, Reno, Nevada

From: Executive Officer, DMEA Field Team, Region III

Subject: Samples - Project Docket DMEA-2819 - Henry K. Goodart

Relative to above subject we are sending five samples under separate cover. Will you please have them analyzed for copper, nickel, tungsten and cobalt. If your preliminary examination indicates the presence of other strategic minerals, please include them in the analysis. The prospector thinks one may contain beryl, but the only minerals we could identify by visual inspection that may have economic value were copper and tungsten. The pyrrhotite may, however, contain nickel.

H. G. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: C. O. Mittendorf

File 400

406

DEC 31 1952

Mr. Henry K. Goodart
Forks of Salmon, California

Re: Docket No. DMEA 2819 (tungsten, etc.)
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3 & 4 claims
Siskiyou County, California

Dear Mr. Goodart:

Reference is made to your application for assistance in exploring the subject claims for tungsten, cobalt, beryl, and the platinum-group metals. We note that you believe the ore contains better than 2 percent WO_3; small quantities of Cu, Fe, and S; and more Co, Ni, and Ir than other associated metals.

Our regulations require that each exploration project shall be justified by detailed substantiating data as called for by the application form, and our field examination is usually deferred until such information is received. As we understand that you have never had an analysis made of your ore, identification will be required of the beryl and the cobalt, nickel, and tungsten minerals. Please, therefore, send four ore specimens to Mr. H. G. Miller, Executive Officer, DMEA Field Team, Region III, 1012 Flood Building, 870 Market Street, San Francisco 2, California. Such specimens, selected to represent your best showings of mineralization, should be at least two inches thick, about three inches wide, and about the same length. Each should be wrapped to keep it separate from the others, and be tagged to show what minerals we may expect to find present and what part of your property it comes from. The parcel of four does not need to weigh much more than five pounds.

Please also let us know as soon as you have sent the above ore specimens to Mr. Miller so that we may keep in close touch with the results of his mineral identifications.

Sincerely yours,

L. D. Mittendorf

Administrator

Copy to: Docket
Adm. Read. File
Field Team, Reg. 3
Code 400
D. M. Lemmon, USGS
R. W. Seehan, USBM

WSMartin/ls 12/31/52

IN REPLY REFER TO:

G-MD-CF

400

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

December 19, 1952

Memorandum

To: G. C. Selfridge

From: M. D. Crittenden

Subject: DMA 2879
Henry K. Goodart and partners
Forks of Salmon
Siskiyou County, California

The applicants are locators of 4 claims in S. 19 and 30, T. 39 N., R. 12 W., on the South Fork of the Salmon River, Siskiyou County, California. They report the occurrence of tungsten, cobalt, iron, and nickel, but fail to indicate how these elements were identified, and state that they have never had an analysis of the ore, but that it contains 2% WO_3.

The area is reported by Francois E. Wells (personal communication) to be underlain by granitic rocks containing roof pendants and septa of meta-volcanics and sediments, including limestones, and consequently might well contain tactite deposits of scheelite. There is no geologic reason to expect Co, Ni, or Ir.

This application is of the grubstake variety, and the evidence presented does not warrant a field referral. The applicant should first be asked to substantiate the occurrence and assay of the elements mentioned. If this information is not available, I suggest that he be encouraged to send representative material to the California State Division of Mines for identification of cobalt and nickel minerals. If the resulting reports actually do indicate the existence of elements other than tungsten, samples should then be assayed, and the situation examined further.

M. D. Crittenden

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 22 1952

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

Not to be filled in by applicant

Docket No. DMEA-2819
Metal or Mineral W, Pb, Co, Ni
Date Received 12/22/52
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: Henry K Goodart Forks of Salmon, California.
partner E.R. Wann, Forks of Salmon, California.
R.G. Wann, Forks of Salmon, California.
R.R. Lord Forks of Salmon, California.

(*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 FOUR (4) Unpatented Mining Claims Recorded as WANGOODLORD Nos 1, 2, 3, 4. Liberty Mining District Siskiyou County California, Located in Sec. 19 & 30, Tn 39 N. R12 W. MDM. Recd. Vol. 78 pages 491-493-495-497.

(*b*) State any mine name by which the property is known. WANGOODLORD nos 1 2 3 4.

(*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.

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. None

(*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 [illegible] to explore Tungsten Cobalt, Platinum Group + Beryl.

(*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.

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

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

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

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

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

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

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project. None

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☒ Other Labor

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 10 December, 1952

Henry K Goodart
(Applicant)

By Henry K Goodart
Forks of Salmon,
Calif.

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

Henry K. Goodart.
Forks of Salmon, Calif.

4. (a).

Location and Assessment Work is All That has ever been done on These Claims. One Tunnel 30 ft deep. One Shaft 10 ft deep

(b) Accessability is Good.
None. To the best of my Knowledge The Ore is as follows~: WO_3 2%+, Cu-Fe & S very little, Mo none, Co-Ir & Ni more Than any Other Associate Metals. Sheelite will consetrate To 64.8%+ is First Grade Tungsten. We have never had an Analysis of The Ore.

(c) The vein, or structure, is between Lime and Granite Dikes is about 80 ft at nearest point and Consists of a variety of Ores, Such as, Black, White, Red and Brown, All Oxide, Sulfide & Sheelite Bearing.
To get developement enough to determine if Ore is in Sufficient quantity to Work.

(d) County Road runs Through Center of Claims Nearest shipping Point is Yreka, Calif. 80 mi Nearest Community is Forks of Salmon 5 mi P.O. Two Grocery Stores. Nearest Supply Point is Yreka, Calif. 80 mi.

(e) Manpower is Sufficient for our needs. Two Sawmills Close by. Most of Other supplys available at Yreka.
Power Will have to be Gas or Diesel.
Water sufficient, Pump or Gravity.

5(b)

Henry J. Goodart
Forks of Salmon, Calif.

The attached map showing present Excavations Outcropping & Exploration plan as Follows—:

1 Tunnel 30 ft deep, 190 ft elevation above road.
2 Excavation on Vein, but not underground.
3 Shaft 10 ft deep, on Vein.
4 Excavation & Outcropping, on Vein.
5 Excavation & Outcropping, on Vein.
0 Float Scheelite.

The proposed Working plan is to remove Slide Rock at "C" drive tunnels at "A" in Claim 1, at "2" in Claim 2 at "B" in Claim 3 about 100 ft or To solid Rock & Crosscut to contact Walls Lime "F" Granite "G" which are about 80 ft apart at "3 + 4".
An Aerial Tram & Foot Bridge From "B to D" as There is no dump space on West side of river, "3" is at Water Level now. There is a large Lime & Granite "Horse" protrudeing between "A + 2", Reason for Two tunnels. Lime & Granite on West side of river Outcrop For about one mile in Width.

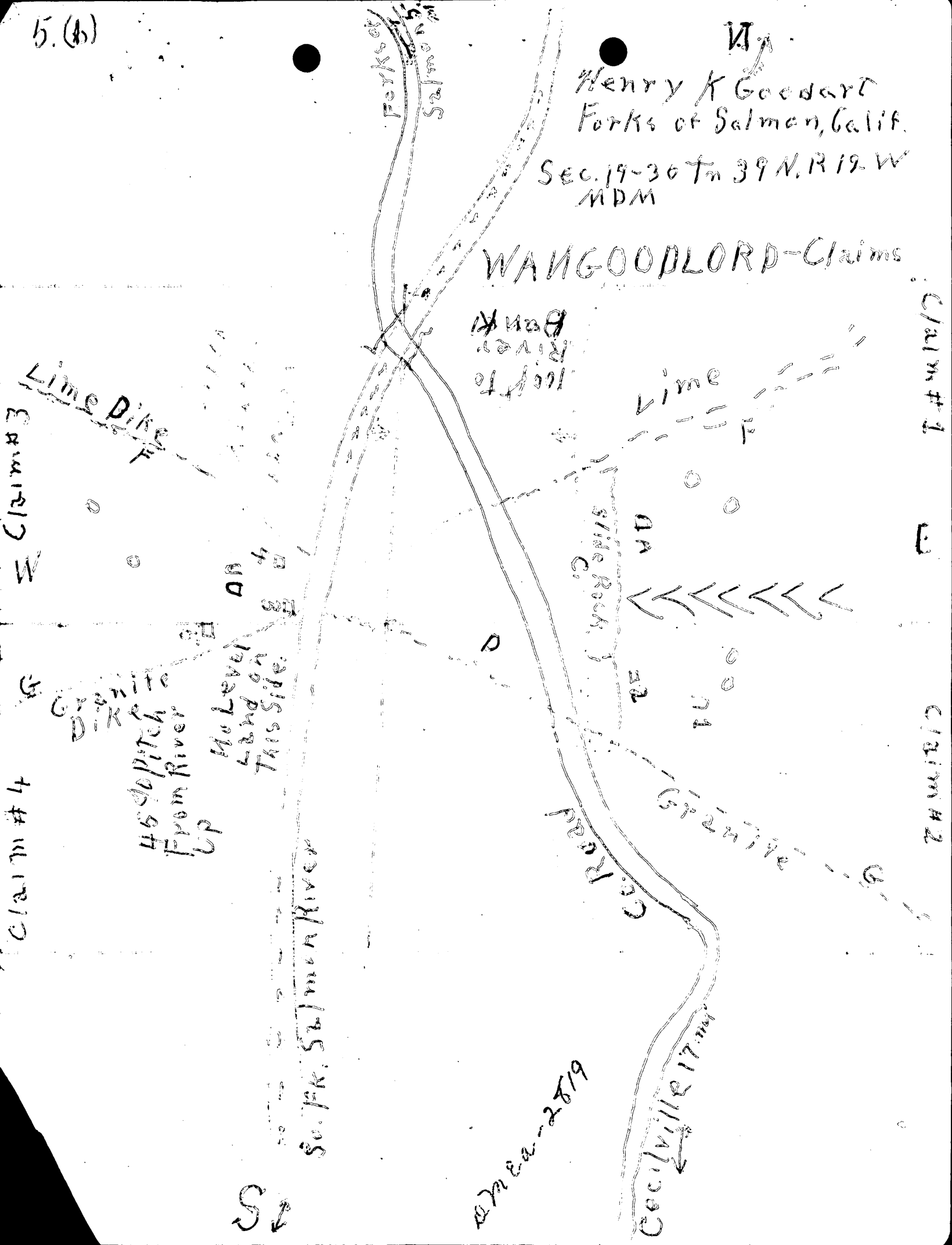
5. (b)

VI

Henry K Goodart
Forks of Salmon, Calif.

Sec. 19-30 Tn 39 N. R 19 W
MDM

WANGOODLORD-Claims



5(d)

Henry K Goodart.
Forks of Salmon, Calif

The applicant started mineing 1910, worked in and around coal mines until 1924, started hardrock mineing 1935, leased for a year, worked at Grass Valley, Walker mine, U.S. Vanadium at Bishop Calif. Have drifted, Tunneled, Stoped drove Raises Sunk Shafts. have done construction work, Electrical, mechanical, machinist and Blacksmith. Know the California mineing laws. Worked at Hawian Islands 18 mo. during War, driving Ammunition storage Tunnels. Worked at Naval Supply Center Oakland, 1944 To 1950 Diesel Mechanic. Five years U.S. Army Stenographer+typist, last discharge Staff Sgt. 1929.

It is contemplated to have an assistant Supervisor To take charge when manager is away. Mr. E. R. Wann, Senior partner, is very competent at handling men, and a good construction engineer. Has lived in this vicinity about twenty years, is not a hardrock miner, Therefore I recommend Mr. E.R. Wann as assistant Supervisor.

6. Estimate of Costs.

Henry K. Goodart
Forks of Salmon, Calif.

(a) Bulldozer Contract, about 2500 cu yds. $10.00 per hr, $75.00 per day, 8 days		$600 00
No other contracts.		
(b) Labor.		
4 Miners $2.25 per hr. ~ 6 mo.	$11	232 00
4 Muckers $1.70 per hr. ~ 6 mo	8	486 00
2 part Time Common Labors $1.50 per hr [52 days		624 00
1 Assistant Supervisor, $600.00 per mo.	3	600 00
1 Manager $750 per mo.	4	500 00
1 Geological Consultant. 2 days		150 00
Total	$29	192 00
(c) Operating Material + Supplies.		
Lumber for Office, Houseing for Machenery + Other Various uses 5 m's $45.00 per m		225 00
2 Ore Buckets at $50.00 ea		100 00
4 Wheelbarrows 25.00 ea		100 00
Assortment Pulleys, bolts, Clamps, nails Valves, picks + Shovels.		150 00
100 Boxes powder $12.00 per box	1	200 00
1500 Electric Caps 20¢ ea		300 00
1500 ft 2 in pipe 35¢ per ft.		525 00
500 ft 1 in pipe 20¢ per ft.		100 00
9 Carb Boy drill Bits $20.00 ea		180 00
60 ft Drill Steel $1.50 per lb		270 00
2 Ultra Violet Lights $64.00 ea		128 00
Gasoline Hoist on Claims, belongs to uninterested party. Estimated Cost ----		300
Repair		150

6.

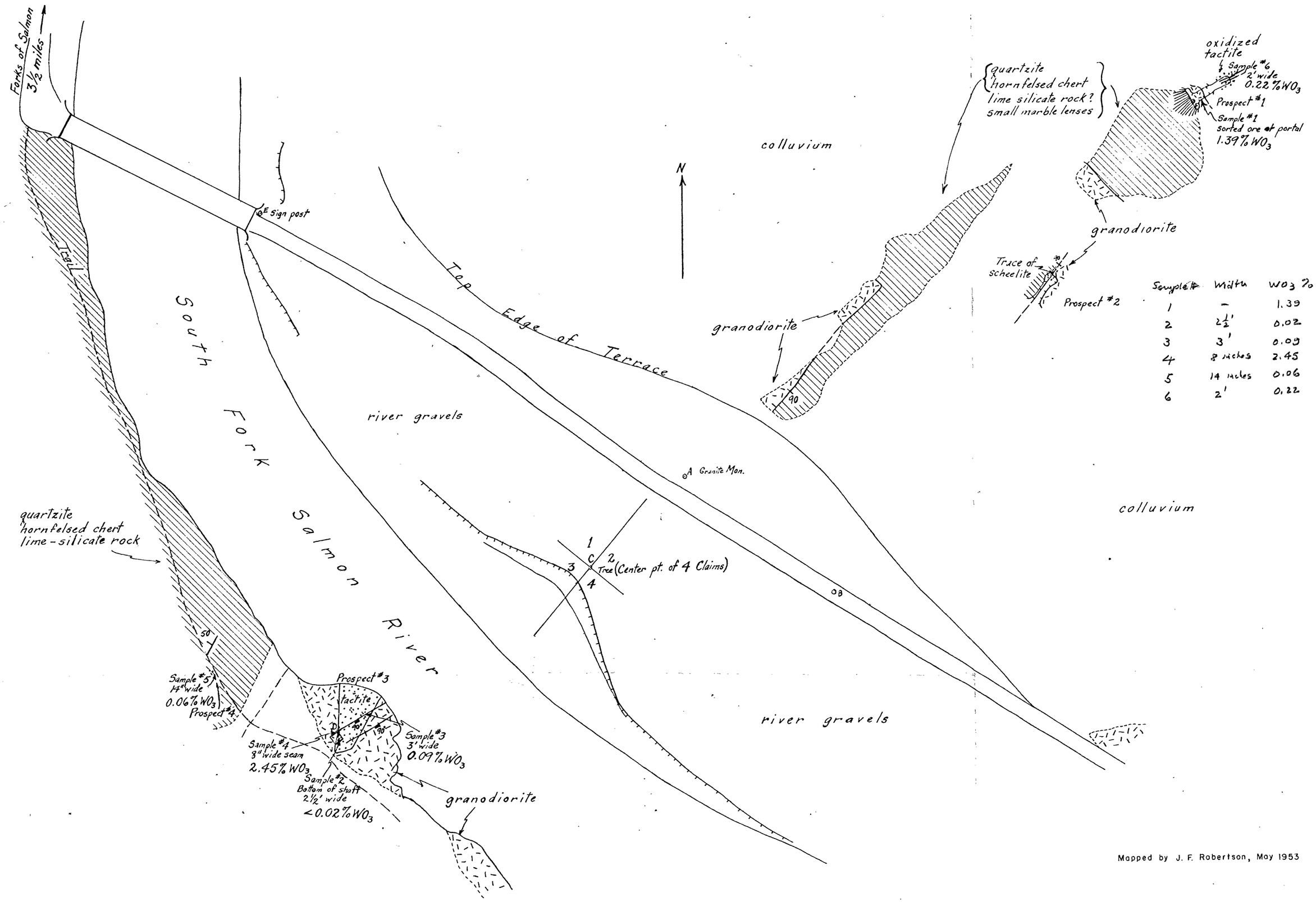
Henry K Goodart
Fork of Salmon, Calif.

(d)

1 Compressor Diesel driven 2nd Hand.	$1	800	00
2 Complete drill machines with All attachments 2nd Hand. $300.00 ea		600	00
1 Truck 3½ Ton Cap. 2nd Hand	1	600	
(f) No Buildings on Claims. Lumber Listed under 6.(c).			
(g) Cost of Repair & maintainance estimated not to exceed		500	00
Analytical 3 samples per week $8.00 per sample		624	00
Accounting, Compensation, Liability Ins., & payroll Taxes ?			
(h) 1 Typewriter.		108	00
Diesel Oil 2500 gal. @ 12¢ gal		300	00
Gasoline 750 gal. @ 30¢ gal		225	00
Lube Oil & Grease		60	00
7 (b) The only means we have of furnishing our share of the cost, is by labor, Four owners, (as listed under 1(a)) Will work Full Time on the project,			
Total	$38	637	00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 2819
(TUNGSTEN)



Mapped by J. F. Robertson, May 1953

WANGOODLORD CLAIMS, SISKIYOU COUNTY, CALIFORNIA

50 0 50 100 150 Feet

400

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 23 1953

Office of
Executive Officer
DMEA Field Team
Region III

1013 Flood Building
870 Market Street
San Francisco 2, Calif.

March 19, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Interior Building, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten)
Henry K. Goodart and partners
Wangoodlord Nos. 1, 2, 3, & 4 claims
Siskiyou County, California

Reference is made to your letter, dated March 2, 1953, requesting a field examination of the subject property.

At the time the Copper Bluff Mine was examined (Docket DMEA-2826) on March 11, 1953, George H. Holmes, Jr., of the Bureau of Mines, and W. P. Irwin and J. F. Robertson, of the Geological Survey, attempted to make an examination of the subject property which is situated in a remote area on the South Fork of the Salmon River. On account of recent rains the road to the property was impassable.

Mr. Irwin plans to be in northern California in 4 or 5 weeks and will examine the tungsten property then, or when weather and road conditions permit.

H. C. MILLER

H. C. Miller
Executive Officer
DMEA Field Team, Region III

Copy to: E. H. Bailey, USGS
A. C. Johnson, Reno

Copy retained 400

400

Office of
Executive Officer
DMEA Field Team
Region III

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
MAR 13 1953

1013 Flood Building
870 Market Street
San Francisco 3, Calif.

March 9, 1953

Memorandum

To: George C. Selfridge, Chairman, Operating Committee, DMEA, Washington 25, D. C.

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA-2819 (Tungsten), Henry K. Goodart and partners, Wangoodlord Nos. 1, 2, 3, & 4 claims, Siskiyou County, California

Your subject letter, dated March 2, requesting a field examination of the Goodart claims is acknowledged.

In the last paragraph of the letter you asked for a copy of the sketch map mentioned in Mr. J. D. Zadra's letter of February 16, 1953, to Mr. T. R. Graham. The sketch map referred to is the one accompanying the application and a copy should be attached to the MF-103 forms which have been retained in your office. Nevertheless, so that there will not be any question about your not having a copy of the map, I have made a copy of it and am attaching it herewith. On it you will note the sample locations Nos. 1 - 5 inclusive, as black squares.

H. C. MILLER

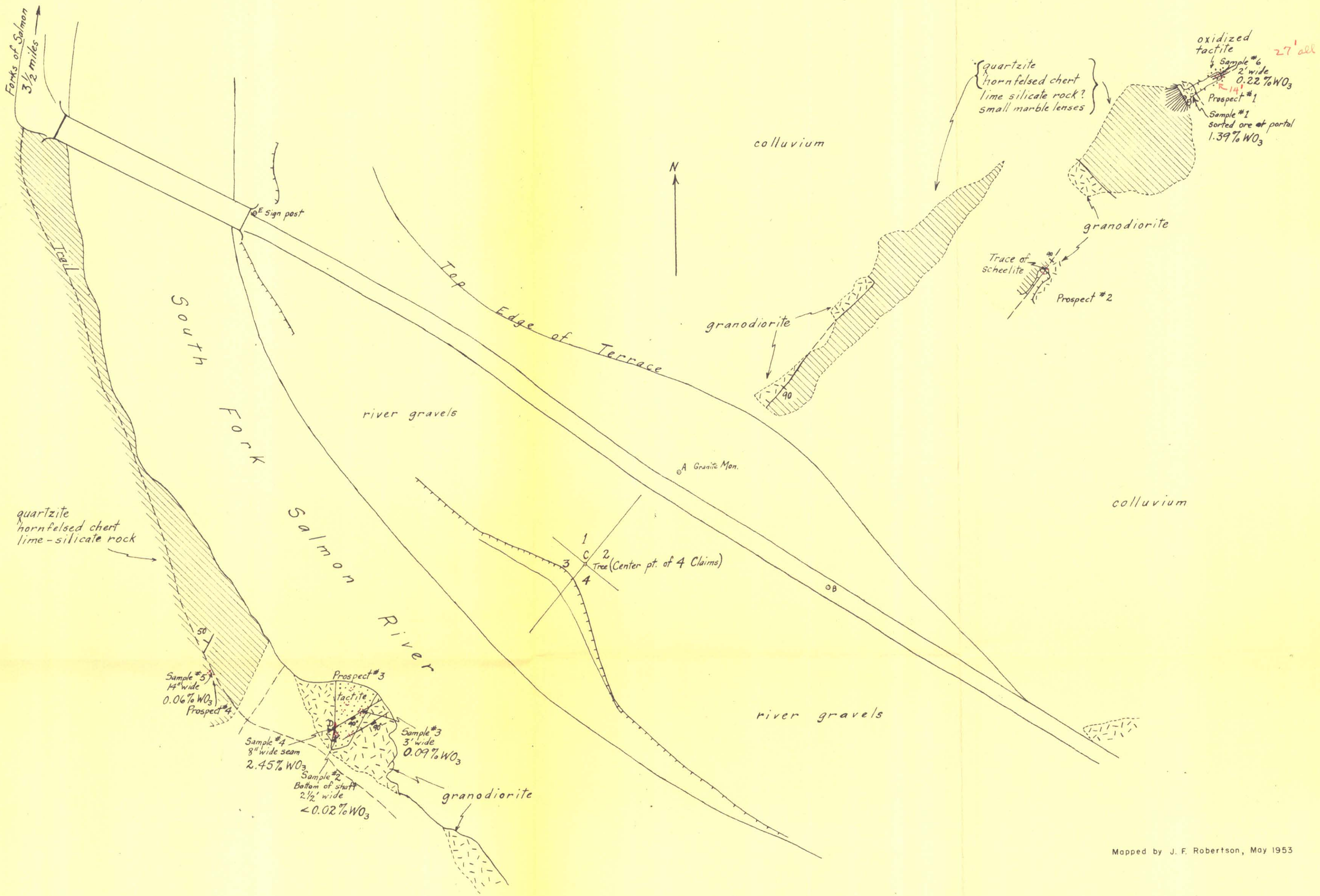
H. C. Miller
Executive Officer
DMEA Field Team, Region III

Attachment

Copy to: H. H. Bailey, USGS

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DMEA 2819
(TUNGSTEN)



Mapped by J. F. Robertson, May 1953

WANGOODLORD CLAIMS, SISKIYOU COUNTY, CALIFORNIA

50 0 50 100 150 Feet