DMEA Form 1

DEFENSE MINERALS EXPLORATION ADMINISTRATION
Control Slip

CONTROLLED DOCUMENT

DMEA Docket No. 4525

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USGS, BM

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To:	400	Date	11/1/56
To:	Oper Com	Date	11-14-56
To:	F.E. Johnson	Date	11-14-56
To:	[illegible]	Date	11-14-56
To:	Oper Com	Date	12.28-56
To:	Admin.	Date	12-28-56
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CONTROLLED DOCUMENT

Mr. C. W. Johnson
Box 312
Hopland, California

Re: Docket No. DMEA 4525 - Chromite
Patented Ground (Johnson Prospect)
Mendocino County, California

Dear Mr. Johnson:

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

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

Careful study of all our information, although noting the occurrence of chrome ores on your property, indicate to us that the probability of disclosing minable ore reserves is not suffiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:am 12-27-56
cc to: Docket
Code 400
Adm. Read. File
Oper. Comm.
FT. REG. II
Messrs. W. McInnis, USBM
T. H. Killsgeard, USGS

December 28, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance
Docket No. DMEA 4525 - Chromite
C. W. Johnson
Patented Ground (Johnson Prospect)
Mendocino County, California

Denial of the subject application is recommended by this Division on the basis of the following information:

C. W. Johnson, the owner of the above mentioned property, made an application for exploration assistance, dated October 26, 1956. The property was examined on November 7, 1956, by J. D. Warne, Bureau of Mines, and D. B. Tatlock, Geological Survey, and on the basis of this report the application is denied.

Applicant: C. W. Johnson
Box 312
Hopland, California

Property and Ownership:

The property consisting of 480 acres of patented land, is located in section 22, T. 13, N., R. 12, W., M. D. B. & M., Mendocino County, California, and is owned by the applicant.

Geology: The chrome property is in an area of highly sheared and broken Franciscan graywacke, shale and greenstone into which ultramafic rocks, now serpentized, were intruded. Landslide and flow debris covers most of the area; the area may actually be part of a land slide block. Serpentine occurs intermittently along an easterly shear for about 350 feet, dipping steeply to the north; it ranges in thickness from 1 foot to 30 feet.

Chromite grains are disseminated in thin layers up to 1½ inch in thickness in massive serpentine pods from 1 to 4 feet in diameter. The layers are of a high grade chromite, but, over stoping widths would be too low grade for a mining operation.

Existing Workings: The work on the property consists of two open cuts approximately 40 feet long, 20 feet wide, and 20 feet deep, across the serpentine.

Proposed Work: The applicant desires to explore the area beyond the existing workings with 7 diamond drill holes, with a total of 1,000 feet at a cost of $8,000.

Samples: Samples taken by the examining engineers assayed as follows:

Sample No.	Percent Cr_2O_3	Remarks
1	13.70	Grab from west trench
2	16.15	Grab from east trench
3	44.05	Specimens from ore pile

Post Production: There has been no production from the property.

Conclusions and Recommendations:

The examining engineers conclude that because of the thinness of the chromite bearing layers it would not be possible to produce ores of a minable grade, in any substantial tonnage, and recommend denial. The Field Team concurs in the denial.

The commodity divisions of the Bureau of Mines and the Geological Survey concur in the conclusions and recommendations of the examining engineers and the Field Team.

W. S. Martin, Chief
Ferro-Alloys Division

TLChapman:am
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

400

December 18, 1956
re: DMEA 4525
C. . Johnson
Johnson Prospect
Mendocino County, California
$8,000.00 - Chromite

Memorandum

To: . . Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a narrow sheared zone in serpentine by drilling. The serpentine is part of the Franciscan formation and probably is a serpentinized ultramafic dike that crops out intermittently for about 350 feet. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite occurs disseminated in layers up to 1½ inches thick in pods sporadically distributed along the serpentine zone. The examiners estimate the grade of the minable rock at 10 to 20% Cr_2O_3. A few hundred tons of such material may be inferred to a depth of 30 feet in a length of 300 feet.

The applicant proposed diamond drilling the zone in order to locate more serpentine pods.

The examiners conclude the zone can not be expected to improve with depth; therefore, search for more of the material now showing is not warranted. They and the Field Team recommend denial of the application.

I concur with the recommendation.

N. S. Nelson

N. . Nelson

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Chron. file
. Reinnis, 3515
NNNelson:pbb
G: 12/17/56

400

RECEIVED
DEC 1956

December 14, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-IMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Docket IMEA No. 4525
C. W. Johnson - Chromite Prospect
Mendocino County, California
Field Team Report of December 4, 1956

I have reviewed the Field Team report on subject proposed exploration project which concludes that the Johnson chromite prospect reserves total only a few hundred tons averaging about 15 percent Cr_2O_3, disseminated in thin layers in massive serpentine pods sporadically distributed along a narrow zone.

Inasmuch as the distribution of the chromite bearing serpentine pods is sporadic and it is not believed that depth will improve the character of the ore zone, I concur with the Field Team recommendation that this application be denied.

SIGNED
Wilmer McInnis

Copy to: Branch of Ferrous Metals (2)
Mr. Lamb - Room 3606
Files

400

IN REPLY REFER TO:

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

RECEIVED NOV 6 1956 DMEA

November 5, 1956

Re: DMEA 4525
C. . Johnson
Johnson Prospect
Mendocino Co., California
$8,000.00 - Chromite

Memorandum

To: . . Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in drilling a 10-foot zone in serpentine reported to contain chromite.

Some bulldozing has been done and samples assaying 2[illegible] to 5[illegible]% chromium have been taken, but, as no widths are given, the samples may have been selected. Boulders of float containing chromite are reported.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

NENelson:pb
G-11/5/56

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Chron.
. McInnis, 3515

406

November 5, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: W. McInnis, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Docket No. 4525 (chromite)
C. W. Johnson
Hopland, California

Information given in subject document is too meager to properly evaluate the request for Government assistance and I, therefore, recommend that it be referred to the Field Team for examination of the property.

W. McInnis

Attachment

NOV 14 1956

Mr. C. W. Johnson
P. O. Box 312
Hopland, California

Re: Docket No. DMEA 4525 - Chromite
Patented Ground
Mendocino County, California

Dear Mr. Johnson:

The above docketed application for exploration assistance for Chromium ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Hicker, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:foc
11/9/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. W. McInnis, USBM
H. E. Nelson, USGS

400

NOV 14 1956

Mr. Spangler Richer
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4525 - Chromite
C. W. Johnson
Retamited Ground
Mendocino County, California

Dear Mr. Richer:

The above docketed application for exploration assistance is being referred to you for a field examination of the property.

Copies of memoranda dated November 5, 1956, by N. E. Nelson, Geological Survey, and W. McInnis, Bureau of Mines, ~~respectively~~, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

APPROVED:

Frank D. Lamb

Member, Bureau of Mines

Thor H. Kiilsgaard

Member, Geological Survey

TLChapman:fec 11/9/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. N. E. Nelson, USGS
W. McInnis, USBM

Hopland, Calif
28 Oct '56

Department of the Interior
Bureau of Mines
1605 Evans Avenue
Reno, Nevada

Atten. - Dave Warren

Gentlemen:

I am enclosing a application for diamond drilling on our chrome property. I talked to several different people on quotations. They quote their estimated cost on conditions of ground, etc. I hesitated to ask them to make a special trip up here, without being more certain that I will contract for the work to be done. I am quoting, therefore, $8.00 as a estimate, which I believe will be their average, from their prices.

The property is within ten minutes driving time from the town of Hopland. Someone is always available to drive to the property, even over week-ends. So it won't be a long trip, even during the rains, as it is within a block or so from a road.

I believe the timber staking is not would be possible for some of the exposed ore at our "Big Lucky" mine, before the rains cause it all to be covered, as it did last winter. Of course, the surface indications will still be there, but I fear that our bull dozing work showing the wall, contact point and ore might be buried. I also realize that your department is mighty busy and that it takes time to process applications. I am not asking the favor of trying to speed that part, only if someone could only see what is showing now, before the rains.

Thank you all for your kindness.

Sincerely yours

RECEIVED
NOV 1 1956
D.M.E.A.

Brother's phone 2571
Mine 2091

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

D.M.E.A. RECEIVED 1 1956

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. 4525
Metal or Mineral Chromite
Date Received 11/14/56
Estimated Cost $8,000
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: G. W. Johnson
Box 312 Phone Hopland 2571
Hopland, 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 Described under Mendocino Co. Title Co. report, searched April 26, 61 Liber 1 of Deeds page 359

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

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

(*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.

(*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 _____

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

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☐ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 28 Oct 56, 195__

C W Johnson
(Applicant)

By _____

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

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

4. Physical description.

(a) Applicant has bulldozed surface operations of corporation, two pits of approximately 60' x 20' x 20' deep, opening which occupied at 20% to 50%.
(b) None.
(c) Discontinuation in corporation road formation. Contemplates clear surface of ridge for distance of approximately 2000 feet.
(d) Access from highway 2 3 miles on paved road, then one mile of dirt road on this property to distance of one block of roadbed.
(e) Water, supplies and equipment from highway. Electric power available within distance of half mile.

5. Exploration project:

(b) The applicant plans to further explore the property by diamond drilling, min of 1000 feet, max of 2000 feet, approximating 1500 feet as follows:

1. 4 holes 100 foot deep.
2. 3 holes 200 foot deep.

(c) See attached sketch.
(d) Applicant has had gold mining and blacker experience. Will hire competent experienced with mining experience.

6. Estimate of costs:

Operator plans to perform all work by independent contract at the following estimated cost costs:

Drilling @ $3.00

Summary

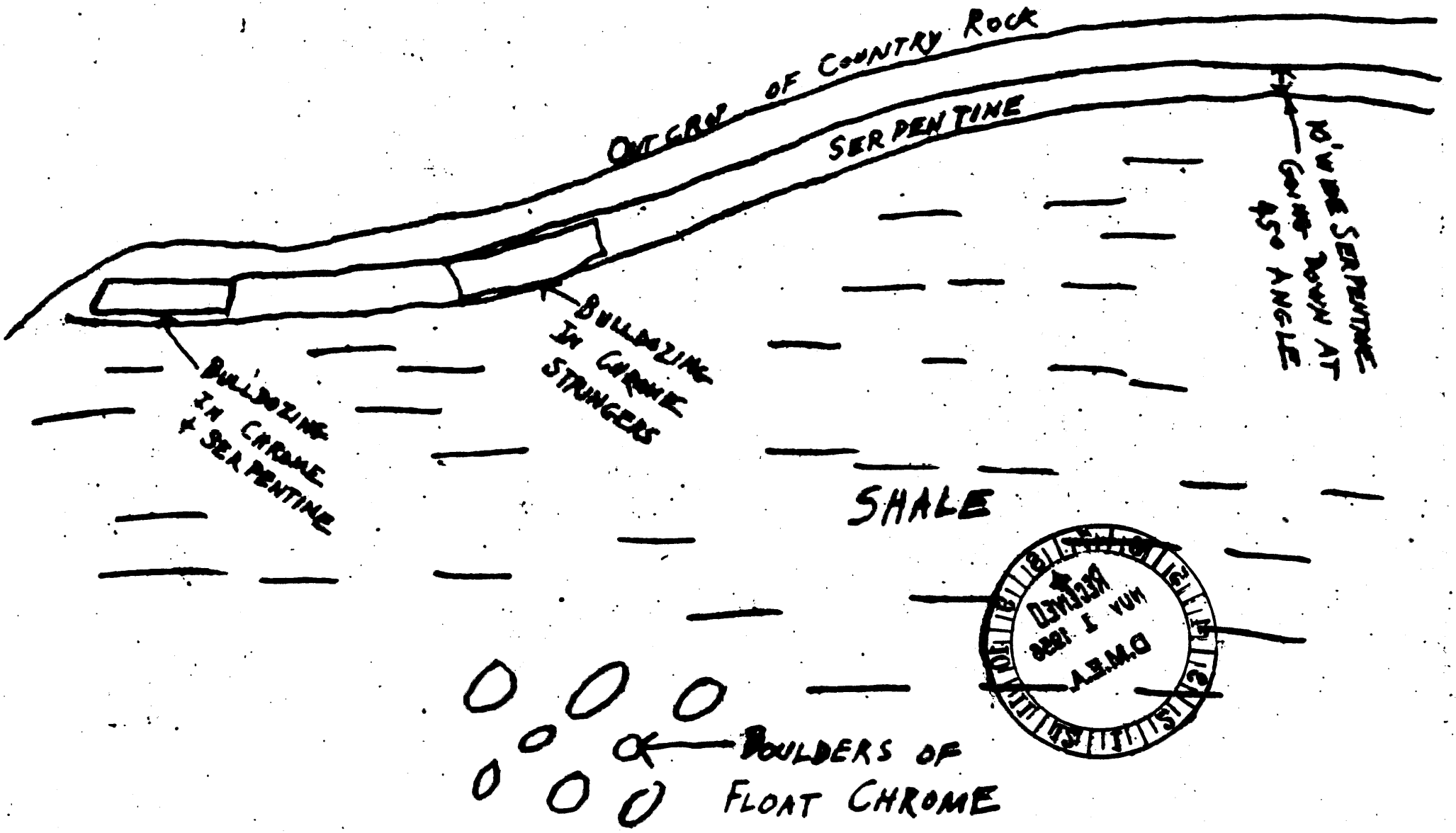
1. 1500 ' of diamond drilling @ $3.00	$5,000.00
Total estimated cost of work	$4,500.00

RECEIVED NOV 1 1956 D.M.E.A.

EXHIBIT 5-B

NORTH

Owner's property described Mendocino Co
Title Co report recorded Liber 1 Deeds page 359



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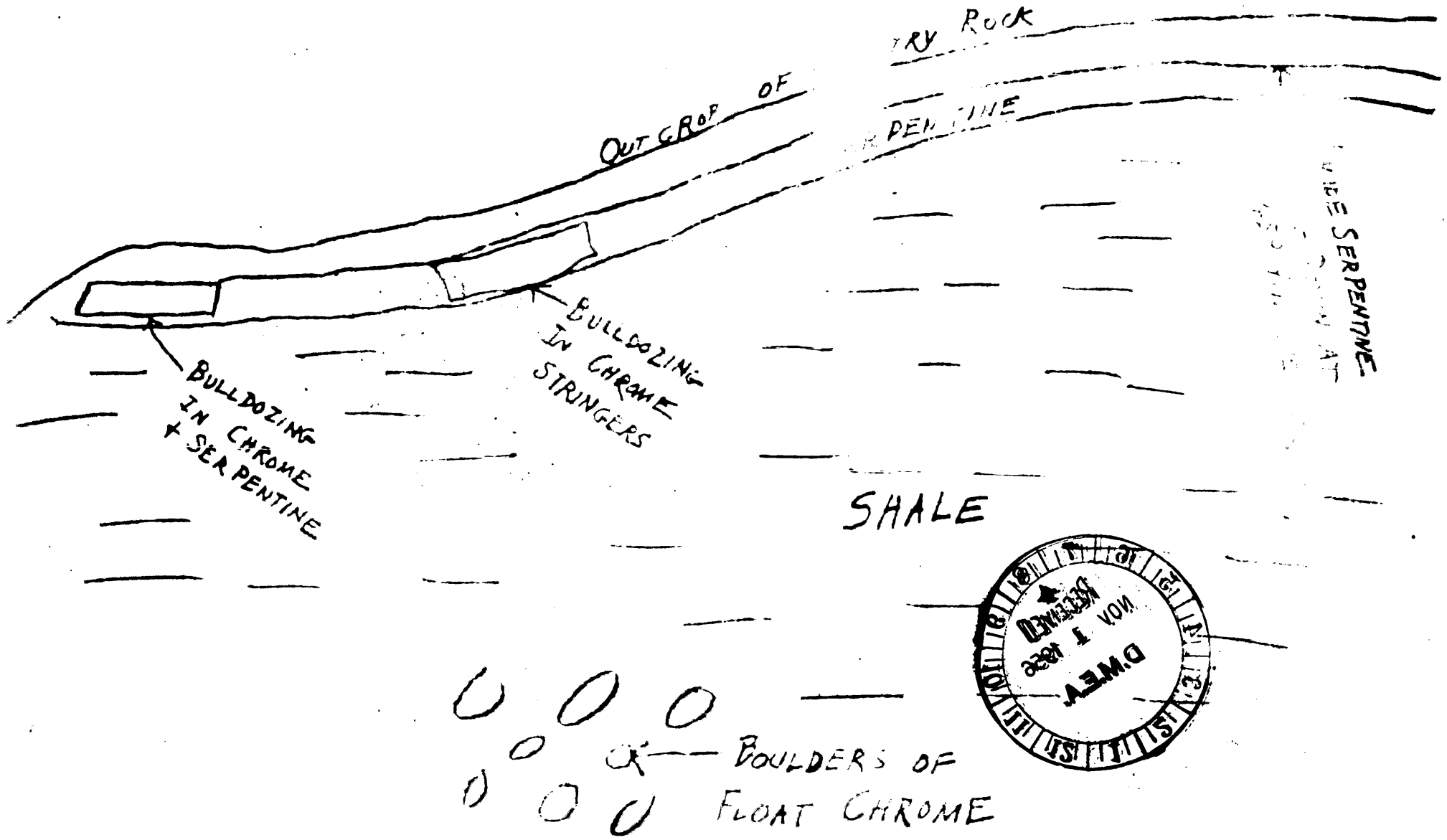
A.E.M.C

EXHIBIT 5-B

NORTH

property described hereinbe
report recorded Liber 1 Deeds page 3



D.M.E.V. MAY 1 1984

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

RECEIVED DEC 10 1956

400

1605 Evans Avenue
Reno, Nevada

December 7, 1956

Memorandum

WESM

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4525 - Chromite
C. W. Johnson
Patented Ground (Johnson Prospect)
Mendocino County, California

Reference is made to your letter of November 14, 1956 requesting a field examination of the subject property.

Attached are four copies of a report by J. D. Warne of the Bureau of Mines and D. B. Tatlock of the Geological Survey in which it is concluded that Government assistance be denied.

Roscoe Smith and I concur in the recommendations.

John D. Warne
for S. Ricker

Attach.

SRicker:gh
cc: R. M. Smith
File

Reviewed by
DMEA OPERATING COMMITTEE

(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4525 (Chromite)
C. W. Johnson
Johnson prospect
Mendocino County, California

by

J. D. Warne
U. S. Bureau of Mines

D. B. Tatlock
U. S. Geological Survey

December 4, 1956

Reviewed by
DMEA OPERATING COMMITTEE

(date)

INTRODUCTION

Mr. C. W. Johnson, Box 312, Hopland, California applied for Government assistance in an $8,000.00 program under the Defense Minerals Exploration Administration, docket DMEA-4525, to explore for chromite at the Johnson prospect, Mendocino County, California. The applicant wishes to explore the property to determine if a sufficiently large ore reserve can be assured to justify a small mill.

A field examination was made by J. D. Warne, U. S. Bureau of Mines, and D. B. Tatlock, U. S. Geological Survey, on November 7, 1956, accompanied by Mr. Johnson and his sister, Mrs. Louise Janus.

As no maps or assays were available, the examiners mapped and sampled the open cut and surface exposures.

CONCLUSIONS AND RECOMMENDATIONS

Chromite grains are disseminated in thin layers in massive serpentine pods that are sporadically distributed along a narrow zone of sheared serpentine. Reserves total a few hundred tons averaging about 15 percent Cr_2O_3. Due to heavy overburden and nature of the deposit, exploration by diamond drilling would not be practical.

It is recommended that the application for Government assistance be denied because of the small size, low grade, and scanty

distribution of the ore-bearing pods.

THE PROPERTY

The Johnson prospect is in the Northern Coast Ranges province at an altitude of about 1,000 feet in Mendocino County, California. It is reached from Hopland, California, by traveling about three miles westerly on the paved Hopper Ranch road, then one mile southerly on a dirt road.

The property, which consists of about 480 acres in sec. 22, T. 13 N., R. 12 W., M.D.B.&M., is owned by the applicant.

No chrome ore has been produced.

Two trenches, each about 50 feet long, 20 feet wide, and 10 feet deep, were bulldozed during 1954 along the strike of the serpentine zone.

GEOLOGY AND ORE DEPOSITS

The Johnson chrome property is in an area of highly sheared and broken Franciscan graywacke, shale, and greenstone into which ultramafic rock, now serpentinized, was intruded. Landslide and flow debris covers most of the preppect area; the area may actually be a part of a landslide block.

On the prospect serpentine occurs intermittently for about 350 feet along an easterly-trending shear zone which dips steeply north. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite grains 1/16 to 1/8 inch in diameter are disseminated in thin layers up to 1-1/2 inches thick in massive serpentine pods that are sporadically distributed along the east-trending sheared serpentine zone. The pods are from 1 to 4 feet in diameter. Minable rock is exposed in only three places along the shear zone for a total strike length of about 30 feet. The layers of disseminated chromite probably average 30 to 50 percent Cr_2O_3 but they are so thin and intermixed with barren serpentine that the minable rock probably does not exceed 10 to 20 percent Cr_2O_3.

A few chromite-bearing serpentine boulders up to 2-1/2 feet in diameter are exposed in flow debris for about 300 feet south of the shear zone.

SAMPLING

Sample No.	% Cr_2O_3	Remarks
1	18.70	Grab, from west trench.
2	16.15	Grab, from east trench.
3	44.05	Specimen from ore pile.

ORE RESERVES

A few tons of chromite-bearing serpentine averaging 15 to 20 percent Cr_2O_3 has been uncovered by trenching.

Reserves of not more than a few hundred tons averaging 15 percent Cr_2O_3 are inferred to a depth of 30 feet along a strike length of 300 feet in the sheared serpentine zone.

PROPOSED EXPLORATION

The applicant proposes to explore the chromite-bearing serpentine zone by seven diamond drill holes totaling 1,000 feet at a total cost of $8,000.00.

Neither drilling nor underground work is warranted because of the small size and sporadic distribution of the chromite-bearing serpentine pods and the improbability that the character of the ore zone will improve at depth.

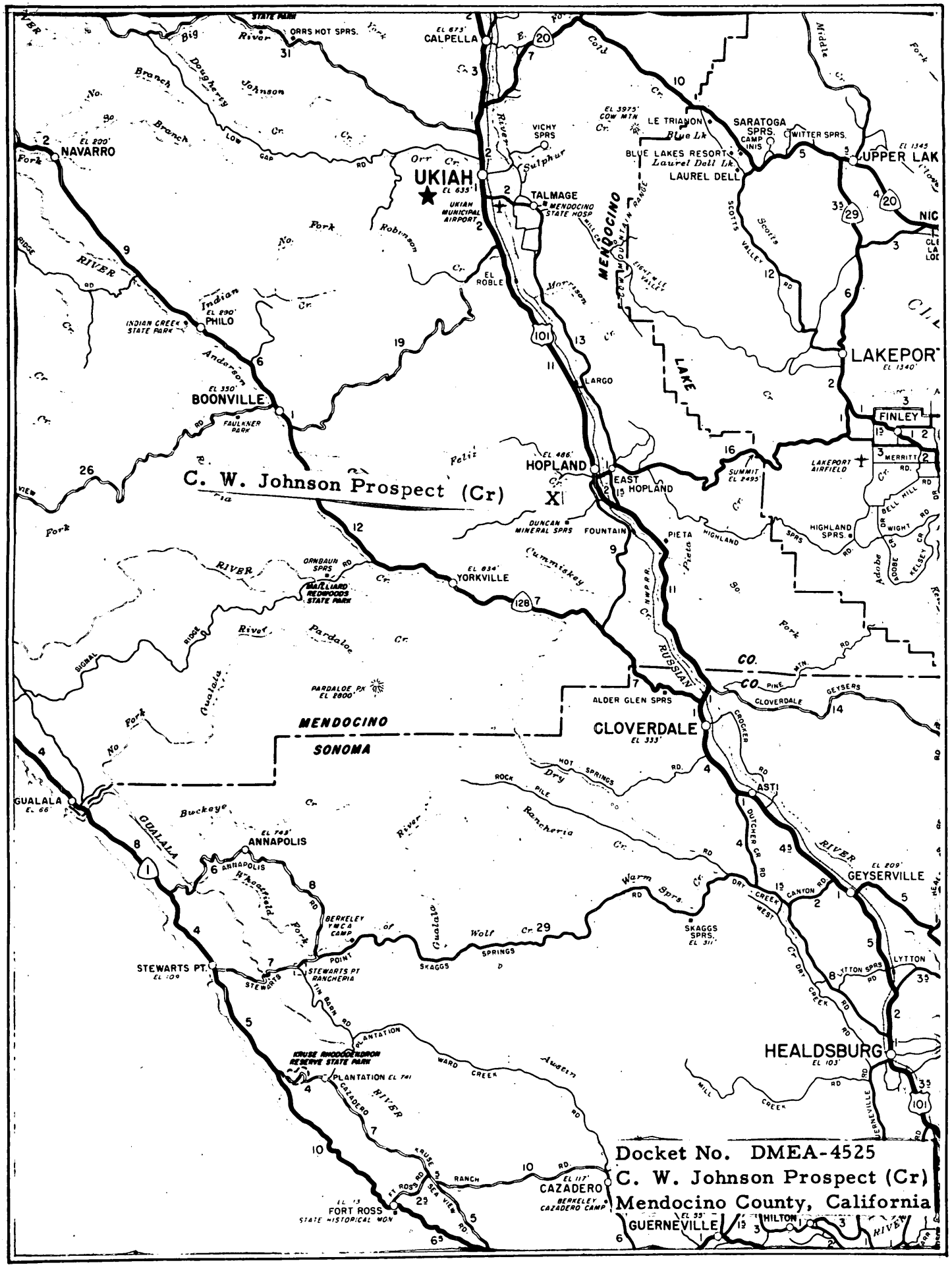


Figure 1 LOCATION MAP CALIFORNIA

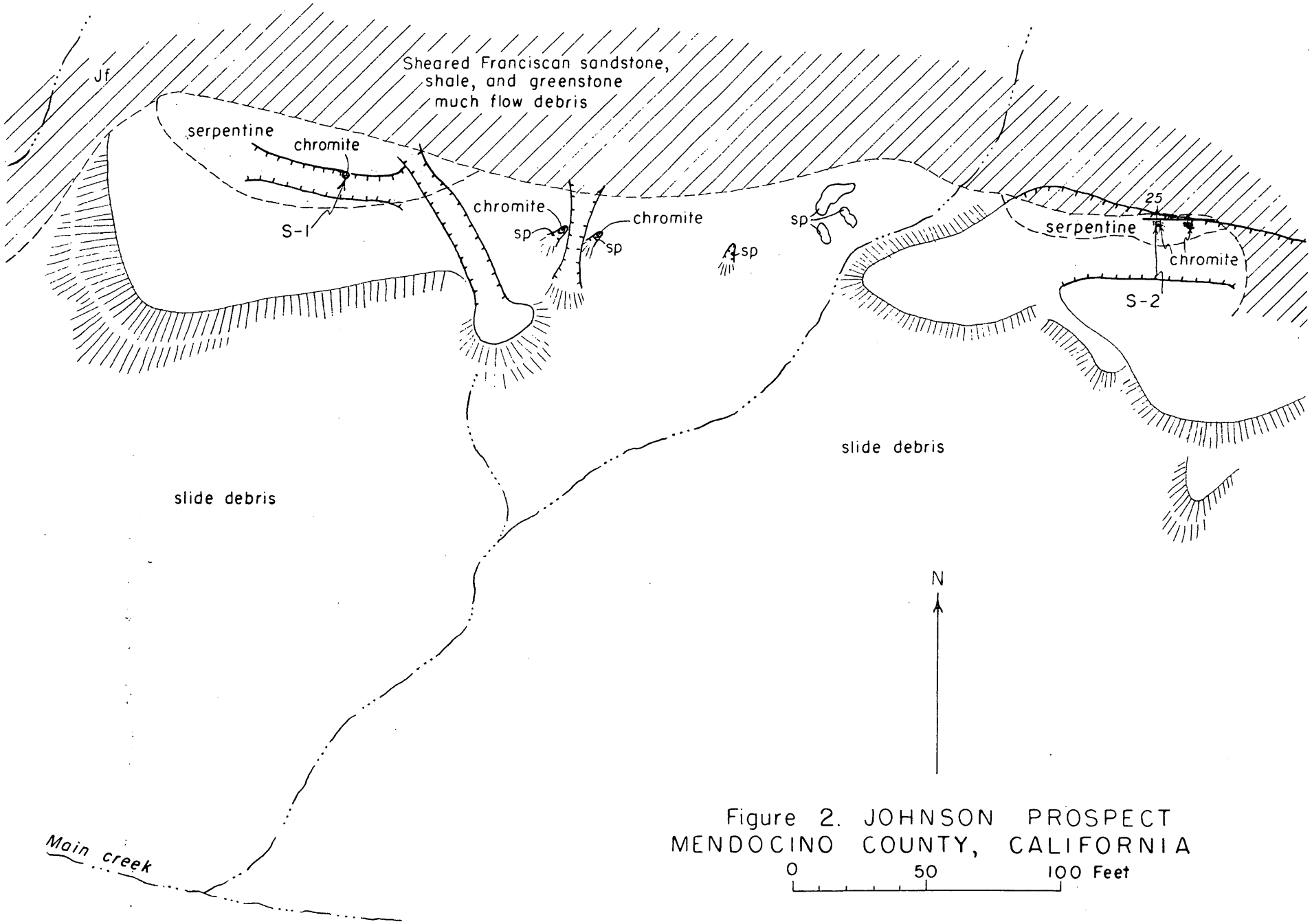


Figure 2. JOHNSON PROSPECT
MENDOCINO COUNTY, CALIFORNIA

0 50 100 Feet

December 18, 1956
Re: DMEA 4525
C. W. Johnson
Johnson Prospect
Mendocino County, California
$8,000.00 - Chromite

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a narrow sheared zone in serpentine by drilling. The serpentine is part of the Franciscan formation and probably is a serpentinized ultramafic dike that crops out intermittently for about 350 feet. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite occurs disseminated in layers up to 1½ inches thick in pods sporadically distributed along the serpentine zone. The examiners estimate the grade of the minable rock at 10 to 20% Cr_2O_3. A few hundred tons of such material may be inferred to a depth of 30 feet in a length of 300 feet.

The applicant proposed diamond drilling the zone in order to locate more serpentine pods.

The examiners conclude the zone can not be expected to improve with depth; therefore, search for more of the material now showing is not warranted. They and the Field Team recommend denial of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Chron. file
W. McInnis, 3515
NENelson:pbb
G: 12/17/56

December 18, 1956
Re: DMEA 4525
C. W. Johnson
Johnson Prospect
Mendocino County, California
$8,000.00 - Chromite

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a narrow sheared zone in serpentine by drilling. The serpentine is part of the Franciscan formation and probably is a serpentinized ultramafic dike that crops out intermittently for about 350 feet. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite occurs disseminated in layers up to 1½ inches thick in pods sporadically distributed along the serpentine zone. The examiners estimate the grade of the minable rock at 10 to 20% Cr_2O_3. A few hundred tons of such material may be inferred to a depth of 30 feet in a length of 300 feet.

The applicant proposed diamond drilling the zone in order to locate more serpentine pods.

The examiners conclude the zone can not be expected to improve with depth; therefore, search for more of the material now showing is not warranted. They and the Field Team recommend denial of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
Chron. file
W. McInnis, 3515
NENelson:pbb
G: 12/17/56

RECEIVED DEC 14 1956

December 14, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Docket DMEA No. 4525
C. W. Johnson - Chromite Prospect
Mendocino County, California
Field Team Report of December 4, 1956

I have reviewed the Field Team report on subject proposed exploration project which concludes that the Johnson chromite prospect reserves total only a few hundred tons averaging about 15 percent Cr_2O_3, disseminated in thin layers in massive serpentine pods sporadically distributed along a narrow zone.

Inasmuch as the distribution of the chromite bearing serpentine pods is sporadic and it is not believed that depth will improve the character of the ore zone, I concur with the Field Team recommendation that this application be denied.

SIGNED
Wilmer McInnis

Copy to: Branch of Ferrous Metals (2)
Mr. Lamb - Room 3608
Files

December 14, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Docket DMEA No. 4525
C. W. Johnson - Chromite Prospect
Mendocino County, California
Field Team Report of December 4, 1956

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Inasmuch as the distribution of the chromite bearing serpentine pods is sporadic and it is not believed that depth will improve the character of the ore zone, I concur with the Field Team recommendation that this application be denied.

SIGNED
Wilmer McInnis

Copy to: Branch of Ferrous Metals (2)
Mr. Lamb - Room 3608
Files

DOCKET
SURNAME
Chapman
Martin
Nelson
Lamb
Selfridge

DEC 27 1956

Mr. C. W. Johnson
Box 312
Hopland, California

Re: Docket No. DMEA 4525 - Chromite
Patented Ground (Johnson Prospect)
Mendocino County, California

Dear Mr. Johnson:

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

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

Careful study of all our information, although noting the occurrence of chrome ores on your property, indicate to us that the probability of disclosing minable ore reserves is not suffiently promising to justify Government participation. Under these circumstances we regret to advise you that your application is denied.

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

Sincerely yours,

C. O. Mittendorf (for)

Administrator

TLChapman:am 12-27-56
cc to: Docket
Code 400
Adm. Read. File
Oper. Comm.
FT. REG. II
Messrs. W. McInnis, USBM
T. H. Kiilsgaard, USGS

400
DOCKET
SURNAME
Chapman
Martin
Nelson

December 28, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance
Docket No. DMEA 4525 - Chromite
C. W. Johnson
Patented Ground (Johnson Prospect)
Mendocino County, California

Denial of the subject application is recommended by this Division on the basis of the following information:

C. W. Johnson, the owner of the above mentioned property, made an application for exploration assistance, dated October 26, 1956. The property was examined on November 7, 1956, by J. D. Warne, Bureau of Mines, and D. B. Tatlock, Geological Survey, and on the basis of this report the application is denied.

Applicant: C. W. Johnson
Box 312
Hopland, California

Property and Ownership:

The property consisting of 480 acres of patented land, is located in section 22, T. 13, N., R. 12, W., M. D. B. & M., Mendocino County, California, and is owned by the applicant.

Geology: The chrome property is in an area of highly sheared and broken Franciscan graywacke, shale and greenstone into which ultramafic rocks, now serpentized, were intruded. Landslide and flow debris covers most of the area; the area may actually be part of a land slide block. Serpentine occurs intermittently along an easterly shear for about 350 feet, dipping steeply to the north; it ranges in thickness from 1 foot to 30 feet.

Chromite grains are disseminated in thin layers up to 1½ inch in thickness in massive serpentine pods from 1 to 4 feet in diameter. The layers are of a high grade chromite, but, over stoping widths would be too low grade for a mining operation.

Existing Workings: The work on the property consists of two open cuts approximately 40 feet long, 20 feet wide, and 20 feet deep, across the serpentine.

Proposed Work: The applicant desires to explore the area beyond the existing workings with 7 diamond drill holes, with a total of 1,000 feet at a cost of $8,000.

Samples: Samples taken by the examining engineers assayed as follows:

Sample No.	Percent Cr_2O_3	Remarks
1	18.70	Grab from west trench
2	16.15	Grab from east trench
3	44.05	Specimens from ore pile

Past Production: There has been no production from the property.

Conclusions and Recommendations:

The examining engineers conclude that because of the thinness of the chromite bearing layers it would not be possible to produce ores of a minable grade, in any substantial tonnage, and recommend denial. The Field Team concurs in the denial.

The commodity divisions of the Bureau of Mines and the Geological Survey concur in the conclusions and recommendations of the examining engineers and the Field Team.

W. S. Martin, Chief
Ferro-Alloys Division

TLChapman:am
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.

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

December 28, 1956

MEMORANDUM

To: Administrator, DMEA

From: Iron and Ferro-Alloys Division, DMEA

Subject: Denial of application for exploration assistance
Docket No. DMEA 4525 - Chromite
C. W. Johnson
Patented Ground (Johnson Prospect)
Mendocino County, California

Denial of the subject application is recommended by this Division on the basis of the following information:

C. W. Johnson, the owner of the above mentioned property, made an application for exploration assistance, dated October 26, 1956. The property was examined on November 7, 1956, by J. D. Warne, Bureau of Mines, and D. B. Tatlock, Geological Survey, and on the basis of this report the application is denied.

Applicant: C. W. Johnson
Box 312
Hopland, California

Property and Ownership:

The property consisting of 480 acres of patented land, is located in section 22, T. 13, N., R. 12, W., M. D. B. & M., Mendocino County, California, and is owned by the applicant.

Geology: The chrome property is in an area of highly sheared and broken Franciscan graywacke, shale and greenstone into which ultramafic rocks, now serpentized, were intruded. Landslide and flow debris covers most of the area; the area may actually be part of a land slide block. Serpentine occurs intermittently along an easterly shear for about 350 feet, dipping steeply to the north; it ranges in thickness from 1 foot to 30 feet.

Chromite grains are disseminated in thin layers up to 1½ inch in thickness in massive serpentine pods from 1 to 4 feet in diameter. The layers are of a high grade chromite, but, over stoping widths would be too low grade for a mining operation.

Existing Workings: The work on the property consists of two open cuts approximately 40 feet long, 20 feet wide, and 20 feet deep, across the serpentine.

Proposed Work: The applicant desires to explore the area beyond the existing workings with 7 diamond drill holes, with a total of 1,000 feet at a cost of $8,000.

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Past Production: There has been no production from the property.

Conclusions and Recommendations:

The examining engineers conclude that because of the thinness of the chromite bearing layers it would not be possible to produce ores of a minable grade, in any substantial tonnage, and recommend denial. The Field Team concurs in the denial.

The commodity divisions of the Bureau of Mines and the Geological Survey concur in the conclusions and recommendations of the examining engineers and the Field Team.

W S Martin

W. S. Martin, Chief
Ferro-Alloys Division

IN REPLY REFER TO:

Docket

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

December 18, 1956
Re: DMEA 4525
C. W. Johnson
Johnson Prospect
Mendocino County, California
$8,000.00 - Chromite

Memorandum

W'ing

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of Field Team Report

The applicant requested assistance in exploring a narrow sheared zone in serpentine by drilling. The serpentine is part of the Franciscan formation and probably is a serpentinized ultramafic dike that crops out intermittently for about 350 feet. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite occurs disseminated in layers up to 1½ inches thick in pods sporadically distributed along the serpentine zone. The examiners estimate the grade of the minable rock at 10 to 20% Cr_2O_3. A few hundred tons of such material may be inferred to a depth of 30 feet in a length of 300 feet.

The applicant proposed diamond drilling the zone in order to locate more serpentine pods.

The examiners conclude the zone can not be expected to improve with depth; therefore, search for more of the material now showing is not warranted. They and the Field Team recommend denial of the application.

I concur with the recommendation.

N. E. Nelson

N. E. Nelson

Copy retained 400

RECEIVED DEC 19 1956 D.M.E.A.

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

RECEIVED DEC 14 1956 D.M.E.A.

December 14, 1956

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals and Ferroalloys

From: Wilmer McInnis, Commodity Specialist, Branch of Ferrous Metals and Ferroalloys

Subject: Docket DMEA No. 4525
C. W. Johnson - Chromite Prospect
Mendocino County, California
Field Team Report of December 4, 1956

I have reviewed the Field Team report on subject proposed exploration project which conculdes that the Johnson chromite prospect reserves total only a few hundred tons averaging about 15 percent Cr_2O_3, disseminated in thin layers in massive serpentine pods sporadically distributed along a narrow zone.

Inasmuch as the distribution of the chromite bearing serpentine pods is sporadic and it is not believed that depth will improve the character of the ore zone, I concur with the Field Team recommendation that this application be denied.

Wilmer McInnis

Copy to: Branch of Ferrous Metals (2)
Mr. Lamb - Room 3608
Files

Docket

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

RECEIVED DEC 10 1956

1605 Evans Avenue
Reno, Nevada

December 7, 1956

Memorandum

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

W409

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4525 - Chromite
C. W. Johnson
Patented Ground (Johnson Prospect)
Mendocino County, California

Reference is made to your letter of November 14, 1956 requesting a field examination of the subject property.

Attached are four copies of a report by J. D. Warne of the Bureau of Mines and D. B. Tatlock of the Geological Survey in which it is concluded that Government assistance be denied.

Roscoe Smith and I concur in the recommendations.

John A Warne
for S. Ricker

Attach.

Reviewed by
DMEA OPERATING COMMITTEE
12-14-56
(date)

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION II

APPLICATION REPORT

DMEA-4525 (Chromite)
C. W. Johnson
Johnson prospect
Mendocino County, California

by

J. D. Warne
U. S. Bureau of Mines

D. B. Tatlock
U. S. Geological Survey

December 4, 1956

Reviewed by
DMEA OPERATING COMMITTEE
12-14-56
(date)

INTRODUCTION

Mr. C. W. Johnson, Box 312, Hopland, California applied for Government assistance in an $8,000.00 program under the Defense Minerals Exploration Administration, docket DMEA-4525, to explore for chromite at the Johnson prospect, Mendocino County, California. The applicant wishes to explore the property to determine if a sufficiently large ore reserve can be assured to justify a small mill.

A field examination was made by J. D. Warne, U. S. Bureau of Mines, and D. B. Tatlock, U. S. Geological Survey, on November 7, 1956, accompanied by Mr. Johnson and his sister, Mrs. Louise Janus.

As no maps or assays were available, the examiners mapped and sampled the open cut and surface exposures.

CONCLUSIONS AND RECOMMENDATIONS

Chromite grains are disseminated in thin layers in massive serpentine pods that are sporadically distributed along a narrow zone of sheared serpentine. Reserves total a few hundred tons averaging about 15 percent Cr_2O_3. Due to heavy overburden and nature of the deposit, exploration by diamond drilling would not be practical.

It is recommended that the application for Government assistance be denied because of the small size, low grade, and scanty

distribution of the ore-bearing pods.

THE PROPERTY

The Johnson prospect is in the Northern Coast Ranges province at an altitude of about 1,000 feet in Mendocino County, California. It is reached from Hopland, California, by traveling about three miles westerly on the paved Hopper Ranch road, then one mile southerly on a dirt road.

The property, which consists of about 480 acres in sec. 22, T. 13 N., R. 12 W., M.D.B.&M., is owned by the applicant.

No chrome ore has been produced.

Two trenches, each about 50 feet long, 20 feet wide, and 10 feet deep, were bulldozed during 1954 along the strike of the serpentine zone.

GEOLOGY AND ORE DEPOSITS

The Johnson chrome property is in an area of highly sheared and broken Franciscan graywacke, shale, and greenstone into which ultramafic rock, now serpentinized, was intruded. Landslide and flow debris covers most of the prospect area; the area may actually be a part of a landslide block.

On the prospect serpentine occurs intermittently for about 350 feet along an easterly-trending shear zone which dips steeply north. The serpentine ranges in thickness from less than a foot to as much as 30 feet.

Chromite grains 1/16 to 1/8 inch in diameter are disseminated in thin layers up to 1-1/2 inches thick in massive serpentine pods that are sporadically distributed along the east-trending sheared serpentine zone. The pods are from 1 to 4 feet in diameter. Minable rock is exposed in only three places along the shear zone for a total strike length of about 30 feet. The layers of disseminated chromite probably average 30 to 50 percent Cr_2O_3 but they are so thin and intermixed with barren serpentine that the minable rock probably does not exceed 10 to 20 percent Cr_2O_3.

A few chromite-bearing serpentine boulders up to 2-1/2 feet in diameter are exposed in flow debris for about 300 feet south of the shear zone.

SAMPLING

Sample No.	% Cr_2O_3	Remarks
1	18.70	Grab, from west trench.
2	16.15	Grab, from east trench.
3	44.05	Specimen from ore pile.

ORE RESERVES

A few tons of chromite-bearing serpentine averaging 15 to 20 percent Cr_2O_3 has been uncovered by trenching.

Reserves of not more than a few hundred tons averaging 15 percent Cr_2O_3 are inferred to a depth of 30 feet along a strike length of 300 feet in the sheared serpentine zone.

PROPOSED EXPLORATION

The applicant proposes to explore the chromite-bearing serpentine zone by seven diamond drill holes totaling 1,000 feet at a total cost of $8,000.00.

Neither drilling nor underground work is warranted because of the small size and sporadic distribution of the chromite-bearing serpentine pods and the improbability that the character of the ore zone will improve at depth.

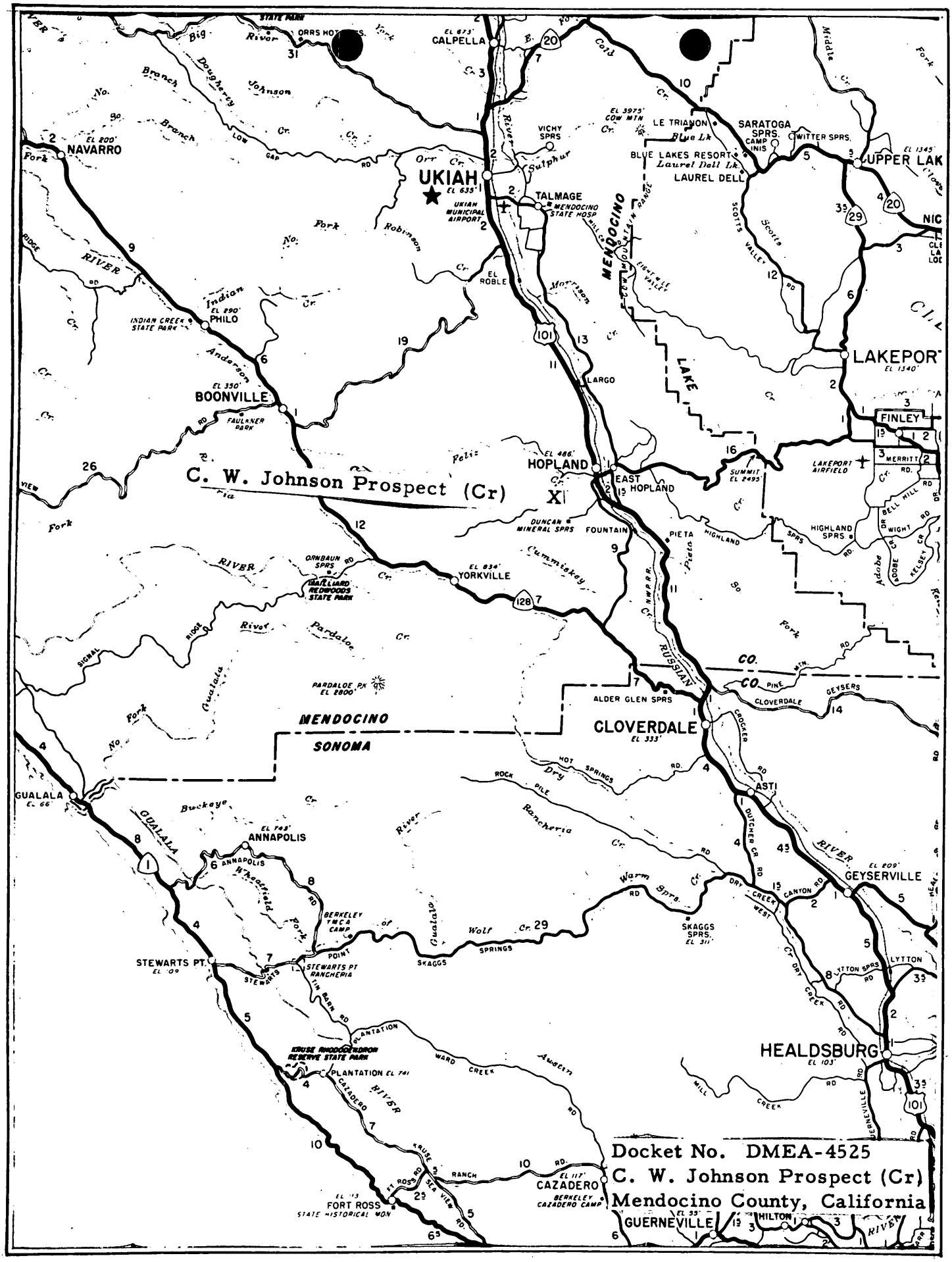

Figure 1 LOCATION MAP CALIFORNIA

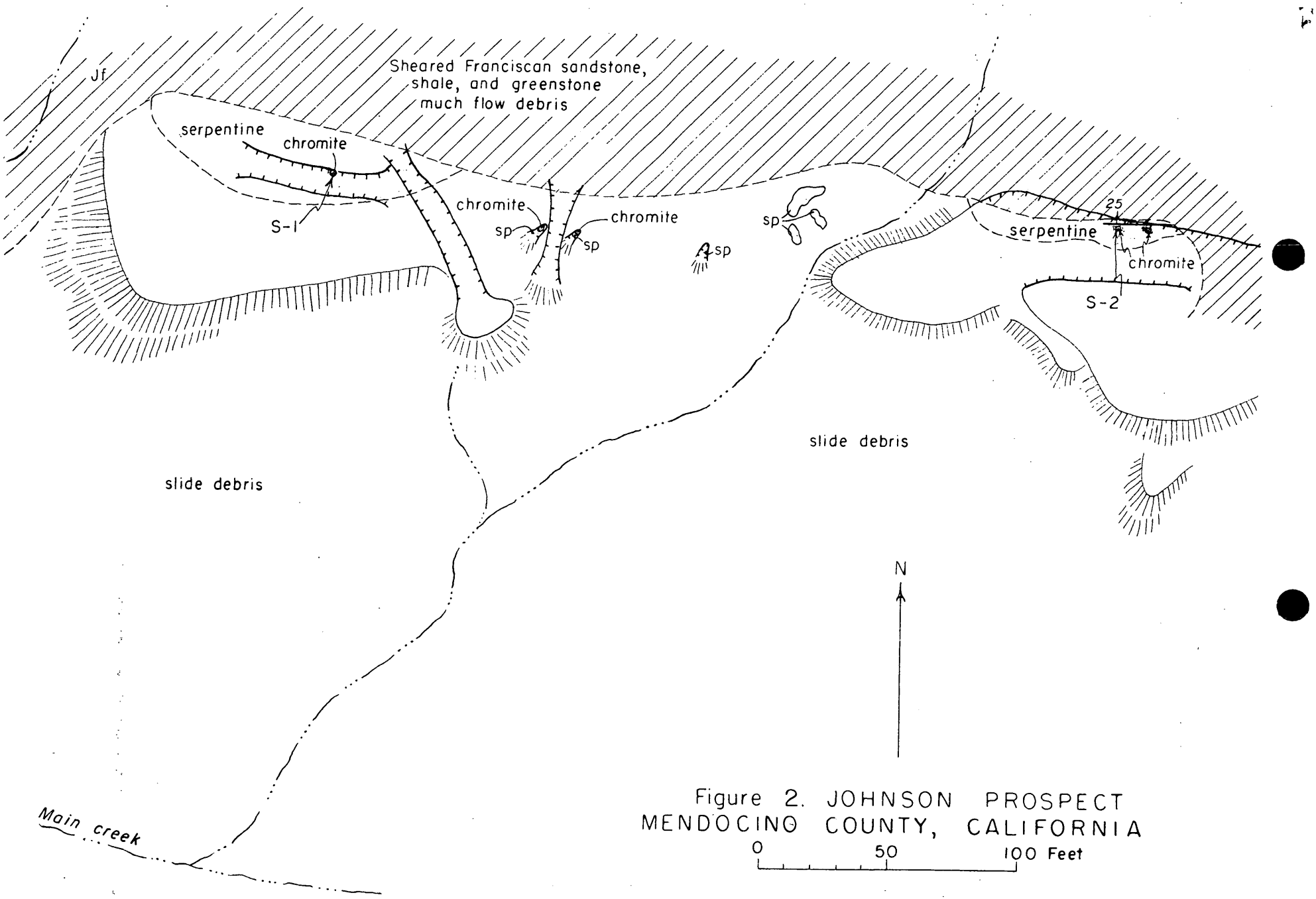

Figure 2. JOHNSON PROSPECT
MENDOCINO COUNTY, CALIFORNIA

0 50 100 Feet

DOCKET
SURNAME
Chapman
Martin
Selfridge
Johnson

400

NOV 1 3

Mr. Spangler Ricker
Executive Officer
DMEA Field Team, Region II
1605 Evans Avenue
Reno, Nevada

Re: Docket No. DMEA 4525 - Chromite
C. W. Johnson
Patented Ground
Mendocino County, California

Dear Mr. Ricker:

The above docketed application for exploration assistance is being referred to you for a field examination of the property.

Copies of memoranda dated November 5, 1956, by N. E. Nelson, Geological Survey, and W. McInnis, Bureau of Mines, respectively, relating to the project are enclosed.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

APPROVED:

Frank D. Lamb
Member, Bureau of Mines (GCS)

Thor H. Kiilsgaard
Member, Geological Survey (GCS)

TLChapman:fec 11/9/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. N. E. Nelson, USGS
W. McInnis, USBM

DOCKET
SURNAME
400 Chapman
Martin
Lamb
Kilgaard
Selfridge
Fitzsimon

NOV 1 1 1956

Mr. C. W. Johnson
P. O. Box 312
Hopland, California

Re: Docket No. DMEA 4525 - Chromite
Patented Ground
Mendocino County, California

Dear Mr. Johnson:

The above docketed application for exploration assistance for Chromium ores has been reviewed by the Iron and Ferro-Alloys Division of the Defense Minerals Exploration Administration and referred to Mr. Spangler Bieber, Executive Officer, DMEA Field Team, Region II, 1605 Evans Avenue, Reno, Nevada, for a field examination of the property.

Any assistance that you can give the members of the Field Team will be appreciated.

Sincerely yours,

C. O. Mittendorf

Administrator

TLChapman:fec
11/9/56
cc to: Docket
Code 400
Admr. Read. File
Oper. Comm.
FT. REG. II
Messrs. W. McInnis, USBM
N. E. Nelson, USGS

Docket

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

November 5, 1956

WSM

Memorandum

To: W. S. Martin, Chief, Iron and Ferroalloys Division-DMEA
Through: Chief, Branch of Ferrous Metals & Ferroalloys

From: W. McInnis, Commodity Specialist, Branch of Ferrous Metals & Ferroalloys

Subject: Docket No. 4525 (chromite)
C. W. Johnson
Hopland, California

Information given in subject document is too meager to properly evaluate the request for Government assistance and I, therefore, recommend that it be referred to the Field Team for examination of the property.

W. McInnis

W. McInnis

Attachment

Copy retained 400

[redacted]

Rockel

IN REPLY REFER TO:

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

RECEIVED NOV 6 1956 D.M.E.A.

November 5, 1956

Re: DMEA 4525
C. W. Johnson
Johnson Prospect
Mendocino Co., California
$8,000.00 - Chromite

WWM

Memorandum

To: W. S. Martin, Defense Minerals Exploration Administration

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

Subject: Review of application

The applicant requests assistance in drilling a 10-foot zone in serpentine reported to contain chromite.

Some bulldozing has been done and samples assaying 20% to 50% chromium have been taken, but, as no widths are given, the samples may have been selected. Boulders of float containing chromite are reported.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

Copy retained 400

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
Washington 25, D. C.

November 1, 1956

Mr. C. W. Johnson
P. O. Box 312
Hopland, California

Subject: DMEA-4525
Re: Exploration Assistance

Dear Mr. Johnson

Your application for exploration assistance, dated October 28, 1956 submitted to our office at Reno, has been assigned Docket Number DMEA-4525 and referred to the Iron and Ferro-Alloys Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Chief
Operations Control and
Statistics Division

Copy to:

Region II, Reno, Nevada

Code 400

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

RECEIVED
NOV 1 1956
D.M.E.A.

1605 Evans Avenue
Reno, Nevada

October 30, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Chromite)
C. W. Johnson
Patented Ground
Mendocino County, California

Enclosed are three sets of MF-103, Application for Aid forms, relative to above subject. The fourth set has been retained in our files.

S. Ricker

Encls.

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

RECEIVED
NOV 1 1956
D.M.E.A.

1605 Evans Avenue
Reno, Nevada

October 30, 1956

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Chromite)
C. W. Johnson
Patented Ground
Mendocino County, California

Enclosed are three sets of MF-103, Application for Aid forms, relative to above subject. The fourth set has been retained in our files.

S. Ricker

Encls.

Hopland, Calif
28 Oct '56

Department of the Interior
Bureau of Mines
1605 Evans Avenue
Reno, Nevada

DATE
S Ricker 10/30/56
ANSWERED

Atten: Dave Warren

Gentlemen:

I am enclosing a application for dimond drilling on our chrome property. I talked to several different people on quotations. They quote their estimated cost on conditions of ground, etc. I hesitated to ask them to make a special trip up here, without being more certain that I will contract for the work to be done. I am quoting, therefore, $8.00 as a estimate, which I belive will be their average, from their prices.

The property is within ten minutes driving time from the house at Hopland. Someone is always available to drive to the property, even over week-ends. So it won't be a bad trip, even during the rains, as it is within a block or so from a road.

I phoned Mr Ricker asking if it would be possible for someone to see the exposed ore at our "Big Injun" mine, before the rains cause it all to be covered, as it did last winter. Of course, the surface indications will still be there, but I fear that our bull dozing work showing the wall, contact point and ore might be buried. I also realise that your department is mighty busy and that it takes time to process applications. I am not asking the favor of trying to speed that part, only if someone could only see what is showing now, before the rains.

Copy filed in Pocket DMEA 4523
11/2/56 WSM

Thank you all for your kindness.

Sincerely yours

Rusty Jones

RECEIVED
NOV 1 1956
D.M.E.A.

Brother's phone 2571
Mine 2091
B

DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
RECEIVED

1956 OCT 30 AM 9:19

RENO, NEVADA

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1085.2.

RECEIVED NOV 1 1956 D.M.E.A.

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. 4525
Metal or Mineral Chromite
Date Received 11/30/56
Estimated Cost $8,000
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: C W Johnson
Box 312 Phone Hopland 2571
Hopland, 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 Described under Mendocino Co Title Co report, recorded April 25, 41. Liber 1 of Deeds page 359

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

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

(*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.

(*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 Chrome

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 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.

(*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)?

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

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

Explain in detail on acompanying paper.

CERTIFICATION

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

Dated 28 Oct 56, 195__

C W Johnson
(Applicant)

By

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

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4. Physical description:

(a) Applicant has bulldozed surface exporures of serpantine, two cuts of approxamately 40' x 20' x 20' deep, exposing chrome assayed at 20% to 50%.
(b) None.
(c) Mineralization in serpantine rock formation. Outcroppings show on surface of ridge for distance of approxamately 2000 feet.
(d) Access from Hopland W 3 miles on paved road, then one mile of dirt road on this property to distance of one block of workings.
(e) Manpower, supplies and equipment from Hopland. Electric power available within distance of half mile.

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5. Exploration project:

(b) The applicant wishes to further explore the property by dimond drilling, min of 1000~~0~~ feet, max of 2000 feet, aggregating 1000 feet as follows:

1. 4 holes 100 feet deep.
2. 3 holes 200 feet deep.

(b) See attached sketch.
(d) Applicant has had gold mining and cinnabar experience. Will hire competant supervisiors with mining experience.

6. Estimate of Costs:

Operator plans to perform all work by independnt contract at the following estimated unit costs:

Drilling @ $8.00

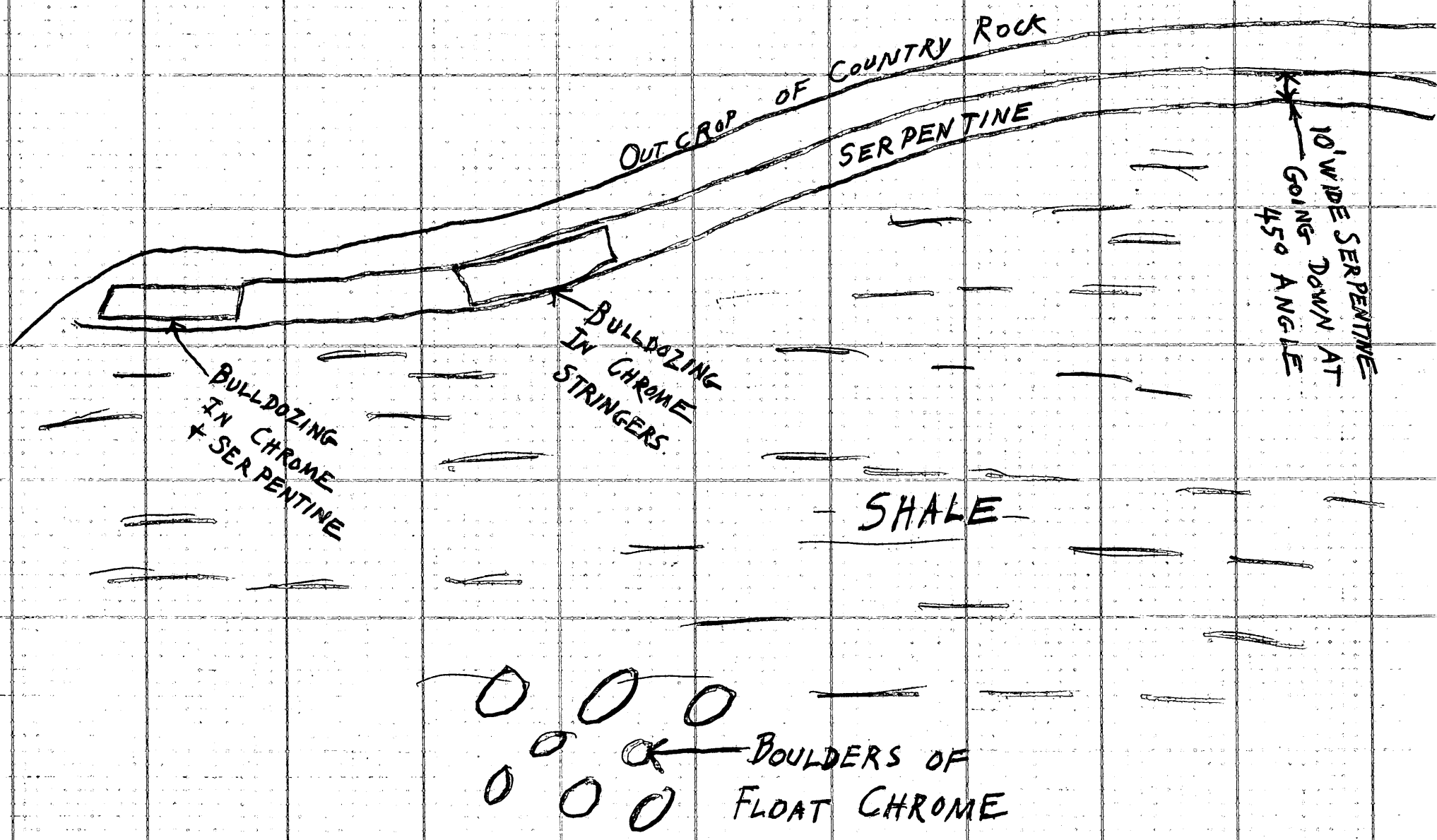
Summary

1. 1000 ' of dimond drilling @ $8.00	$8,000.00
Total estimated cost of work	$8,000.00

EXHIBIT 5-B-

NORTH

Owner's property described Mendocino Co
Title Co report recorded Liber 1 Deeds page 359



U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1/46)

1. Use blocks consecutively, one at a
2. Void previous block.
3. Write clearly.

NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM		NAME OR TITLE OF PERSON, DEPARTMENT, ADDRESS, AND ROOM	
Miss Thompson Room 42	RUN / STOP		RUN / STOP
~~Miss Thomas Room 1042~~	RUN / STOP		RUN / STOP
MRS. EULA. MURPHY ALASKAN GEO. BR Rm. 4224.	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
W. S. White Geologic Division Room 4210 - G. S. Bldg.	RUN / STOP		RUN / STOP
Pat Murray 2604 [illegible]	RUN / STOP		RUN / STOP
~~Mrs. Irene Pannell 5230 Interior~~	RUN / STOP		RUN / STOP
Mr. Hauk Room 4453, Interior	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP
	RUN / STOP		RUN / STOP

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