DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

25 APR 1958

Idm-E NO._____

DMEA NO. 4878

Application
- [ ] Denied
- [ ] Withdrawn

Contract 1187
- [ ] Terminated - Not Certified
- [ ] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

5090

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [x] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [XX] Application and attachments

Right Side

- [ ] Project summary (final)
- [ ] Work Completed analysis (final)

All other material filed in chronological order including the following reports if checked:

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Final Field Team Report (Tab)
- [ ] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

- [ ] Field Team Semi-Annual Report for Certified Project
- [ ] Field Team Interim Reports
- [ ] Operator's Monthly Reports with transmittal, narrative and maps.

Folders No._____: Maps (Use pocket folder or envelope)

Folders No._____: Settlement Sheets

Folders No._____: Drill Logs

Folders No._____: Royalty material

17963

S P 1959
BUREAU OF MINES
DIVISION OF
MINERAL RESOURCES
REGION II

. Government's copy

Route to:	Init.

App'd. Sol. Off.

EXPLORATION PROJECT CONTRACT
ARCHIBALD TRUCKING
DOCKET NO. DMEA-4878

RESCISSION OF EXPLORATION PROJECT CONTRACT

It is agreed this 28th day of April, 1959, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, and Archibald Trucking, a partnership, parties to that certain Exploration Project Contract No. Idm-E1187 (Docket No. DMEA-4878), dated April 25, 1958, as amended, that said Contract is hereby rescinded, revoked, and cancelled as of the date thereof before any work has been performed or any costs incurred thereunder, without any obligations whatever one party to the other, the same as if the Contract had never been entered into.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Acting Director, Office of
Minerals Exploration

ARCHIBALD TRUCKING

James A. Archibald (Partner)

M R Archibald Sr (Partner)

M. R. Archibald, Jr. (Partner)

Government's copy

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 19 1958

DATE	INITIALS	CODE

App'd. Sol. Off.

EXPLORATION PROJECT CONTRACT
ARCHIBALD TRUCKING
DOCKET NO. DMEA-4878

AMENDMENT NO. 1

It is agreed this 29th day of August, 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Archibald Trucking, a partnership, that Exploration Project Contract No. Idm-E1187 (Docket No. DMEA-4878), dated April 25, 1958, is amended as follows:

1. In Article 1 the date for beginning the work is changed from June 30, 1958 to September 30, 1958, and the date for completing the work is changed from 12 months from the date of the contract to 15 months from the date of the contract.

2. In Article 6 the period for repayment is extended from 10 years to 11 years.

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, or the fixed unit cost of any item of work.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C O Mittendorf
Administrator, Defense Minerals
Exploration Administration

ARCHIBALD TRUCKING

M R Archibald (Partner)

M. R. Archibald Jr. (Partner)

James R. Archibald (Partner)

Government's Copy

MF-200A
(Rev. April 1956)

RECEIVED JUL 2 1958 D.M.E.A.

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No. Idm-E*	*Counties*	*State*
4878	Copper-Zinc	**1187**	Trinity and Humboldt	California

It is agreed 25 APR 1958, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Archibald Trucking, a partnership, composed of [redacted], M. R. Archibald, Sr., M. R. Archibald, Jr., and James Archibald

whose mailing address is P. O. Box 1085
Arcata, California
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before June 30 1958, and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 12 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $9,860.00. The Government will contribute 50 percent of the fixed unit cost of the work performed, not exceeding $4,930.00, in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows:

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 6. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after the Operator has rendered a sufficient final report (see Article 5), may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer or as surety if the Operator is not the producer (for example, if the Operator either transfers or fails to retain his interest in the land), shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, for a period of ten years from the date of the contract or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling, assaying, or transportation performed or paid by the Operator or by anyone other than the buyer are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent) after the lapse of six months from the date the ore was extracted from the ground remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value thereof in the form in which and at the time it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½) percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this Article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 7. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon the Government shall be free of all obligation to pay on account of units of work not then performed, and the Operator shall be free of all further obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 7 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and liens to secure the payment thereof, and such rights shall be fully preserved.

ARTICLE 8. *Notices to be given by the Government* may be delivered to the Operator or may be sent by registered mail addressed to the Operator at the mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 9. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 10. *Changes and added provisions.*—

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App'd Sol. Off.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

ARCHIBALD TRUCKING
(Operator)

By _____
~~Walter Dorsett (partner)~~

By M. R. Archibald Sr.
M. R. Archibald, Sr. (partner)

By M. R. Archibald Jr.
M. R. Archibald, Jr. (partner)

By _____
Administrator, Defense Minerals Exploration Administration

By James A. Archibald
James Archibald (partner)

I, _____, certify that I am the _____ secretary of the corporation named as Operator herein; that _____, who signed this contract on behalf of the Operator, was then _____ of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE: 1956—O-383069

EXPLORATION PROJECT CONTRACT
ARCHIBALD TRUCKING
DOCKET NO. DMEA-4878

ANNEX I

The land referred to in Article 2 of the Contract consists of nine unpatented lode mining claims, located in sections 6, 7, 17, 18, 20, and 29, T. 7 N., R. 7 E., and in section 31, T. 8 N., R. 7 E., H.B.& M. The location notices are recorded in the official records of Trinity County (Weaverville, California) and Humboldt County (Eureka, California), and the descriptions therein are incorporated herein by reference. The recordings are as follows:

Claim Name	Volume	Page	County
Wheelbarrow No. 1.....	56	150	Trinity
Wheelbarrow No. 2.....	56	151	Trinity
Wheelbarrow No. 3.....	56	152	Trinity
Wheelbarrow No. 4.....	56	153	Trinity
Wheelbarrow No. 5.....	56	154	Trinity
Wheelbarrow No. 6.....	56	155	Trinity
Grizzly No. 1.....	411	111	Humboldt
Grizzly No. 2.....	411	115	Humboldt
Grizzly No. 3.....	411	113	Humboldt

The approximate boundaries of the claims are shown on the attached map entitled, "Figure 2. Geologic Map of Area of Grizzly et al. Group Claims. . ."

The Operator represents and undertakes that it is the owner of the claims.

EXPLORATION PROJECT CONTRACT
ARCHIBALD TRUCKING
DOCKET NO. DMEA-4878

EXHIBIT A

Description of the Work

The purpose of the project is to explore for ores of copper and zinc by means of crosscutting and drifting.

The existing bulldozer trail from Grizzly Camp to the Wheelbarrow No. 1 claim (about 2 1/2 miles) shall be repaired for access to the project. The existing crosscut, known as the South Adit, shall be rehabilitated and retimbered, as necessary, for a distance estimated to be 65 feet.

From the face of the South Adit, the crosscut shall be continued to intersect the mineralized zone of shearing exposed in the existing surface trench above the crosscut, a distance estimated to be approximately 65 feet.

From the point of intersection, drifting shall be performed northwesterly and southeasterly, along the mineralized zone, for a total distance not to exceed 150 feet.

All drifts and crosscuts shall be timbered as necessary and shall be a minimum size of approximately 5 feet by 7 feet in the clear of timber.

All significantly mineralized sections shall be sampled at 5-foot intervals as the drifting progresses. All samples shall be split and one-half assayed for copper and zinc. The other half of such samples shall be retained and made available to the Government. Not to exceed 30 samples shall be made.

The work of crosscutting and drifting is indicated on the attached map entitled "Figure 3."

Estimated Costs of the Project

Fixed Unit Costs

Repairing existing bulldozer trail from Grizzly Camp to Wheelbarrow No. 1 claim 1/	$250.00	
Rehabilitation of South Adit, 65 feet @ $10/ft.	650.00	
215 feet of crosscutting and drifting @ $34.00/ft.	7,310.00	
Timbering of new crosscutting and drifting, 215 feet @ $6/ft.	1,290.00	
30 samples for assay @ $2/each sample	60.00	
Tool and change house, approximately 8 feet by 10 feet, rough timber	300.00	
Estimated total cost of the project		$9,860.00
Government's participation, 50%		$4,930.00

1/ The completed work constitutes the unit.

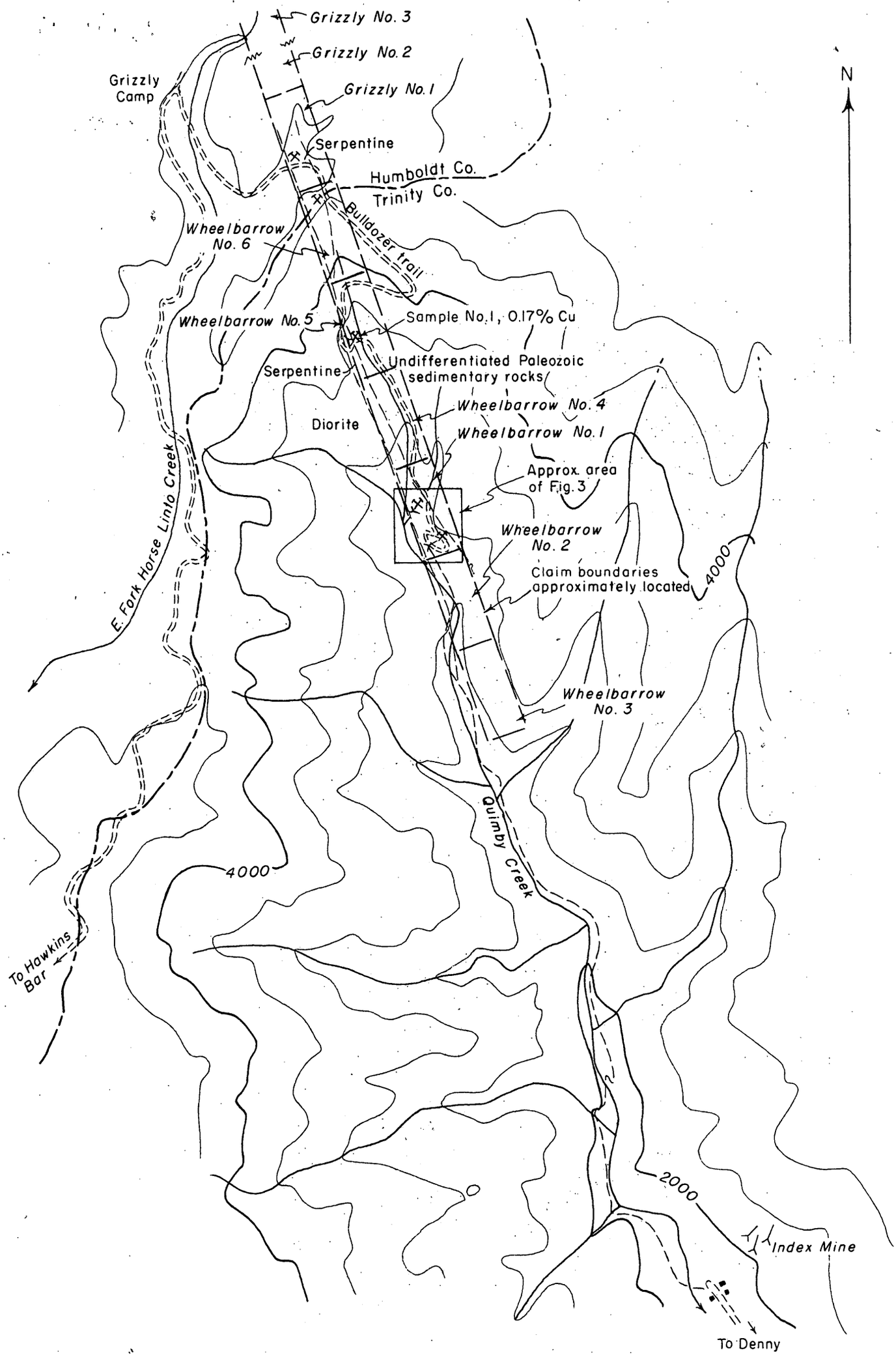

Figure 2. GEOLOGIC MAP OF AREA OF GRIZZLY ET. AL. GROUP CLAIMS
TRINITY AND HUMBOLDT COUNTIES, CALIFORNIA

0 3000 6000 Feet

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DMEA
RECEIVED FEB 19 1958

DATE	INITIALS	CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

DMEA
RECEIVED NOV 18 1957

DATE	INITIALS	CODE

November 15, 1957

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Loan Application (Copper)
M. R. Archibald
Archibald-Dart Mining Claims
Trinity 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

Attachments

BUREAU OF MINES
WASHINGTON, D. C.

Nov 18 1 56 PM '57

Form MF–103
Revised Feb. 1957

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Budget Bureau No. 42–R1035.3
Approval expires June 30, 1958

APPLICATION FOR AID IN AN EXPLORATION PROJECT

PURSUANT TO DMEA ORDER I, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

NAME OF APPLICANT (Full legal name and mailing address as it should appear on contract if one is executed)

M. R. Archibald
P. O. Box 1085
Arcata, California

RECEIVED Nov 18 1957 D.M.E.A.

APPLICANT NOT TO USE THIS BLOCK

Docket Number: DMEA-4878

Date Received: Reno 11/13/57 11/18/57

Government Participation %:

Region: II

Division Code: 500

BUSINESS ORGANIZATION (Check one)

- Individual [X]
- Corporation [ ]
- Partnership [ ]
- Other (Specify) [ ]

State in which firm is organized:

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

Name	Address	Title

Mineral(s) for which you wish to explore: copper

Estimated Cost of Project: $ 43,815.00

LOCATION OF PROPERTY

Name	County	State
	Trinity,	California

GENERAL INSTRUCTIONS

Before filling out this application, please read DMEA Order–I, Amended, "Government Aid in Defense Exploration Projects." To assure prompt action, your application must provide all applicable material and information specified on the back of this application form. Avoid unnecessary correspondence and delays by submitting complete and accurate information. *Please submit four copies of this application and all accompanying papers* except as otherwise noted. Place your name and address on each sheet. Each item of information, maps, and reports required as a part of this application is described on the back of this form. Identify each attached statement by the item number to which it applies. If an item does not apply to your application, show the item number on your statement and after it write "not applicable." Maps or sketches should be used to supplement narrative descriptions of the property location and boundaries in item 1, existing mine workings and geology in item 2, and the proposed exploration project in item 4. When this information is not too complex, all of it may be shown on one map or sketch. All documents and other attachments submitted as a part of this application, except those in item 2(g) which you mark to be returned, become the property of the Government and will not be returned to the applicant. Send true copies, *not originals*, of leases, contracts, and other documents which are an essential part of your business records. *File this application with the Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest DMEA Field Office.*

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.

Nov 11, 1957
Dated

Archibald Trucking
BY *(Signature)*

M.R. Archibald
Title

A wilfully false statement or certification to any Department or Agency of the United States Government is a criminal offense. U. S. Code, Title 18, Sec. 1001.

INFORMATION REQUIRED WITH THIS APPLICATION

1. *Applicant's Property Rights:*

(a) State the legal description (section, township, and range; metes and bounds; patent number of claims) of the land upon which you wish to explore and all land adjacent to the proposed project area which you own or control. Describe any part of the project land or workings which should not be subject to Government lien for royalty payments. If the land consists of unpatented claims, state the book and page number for each recorded location notice, including amended locations, and the place where recorded (courthouse, recorder's office, county, and state).

(b) State all the names by which you know the property.

(c) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise. If you are not the owner, submit with this application one exact copy of the lease, contract, or other document (with address of owner) under which you control the property.

(d) Describe all liens, mortgages, or other encumbrances on the property.

2. *Physical Description:*

(a) Describe in detail and illustrate with maps or sketches all mining or exploration operations which you know have been or are being conducted upon the lands, including existing mine workings. Describe all production facilities.

(b) State your interest, if any, in operations stated in 2*(a)*.

(c) State, as far as you know, the past and current production, supporting your statement with copies of settlement sheets, mine records, or published data if available.

(d) Describe known ore reserves on the property giving quantities and grades and sampling methods used, supporting your statement with copies of assay certificates and assay maps if available.

(e) Describe by narrative and maps or sketches the geologic features of the property, including ore minerals, geologic formations if known, and type of deposit (vein, bedded, etc.).

(f) State your reasons for expecting to find ore, and if you have sampled the area you propose to explore, show where the samples were taken, describe sampling methods used, and provide copies of assay certificates.

(g) Send with your application at least *two* copies of all geologic or engineering reports, assay maps, or technologic information which you may have, indicating on each whether you require its return to you.

3. *Accessibility of Project:*

(a) To aid DMEA representatives who may be required to examine the property, state the name and address of the person who will meet the DMEA representative; give directions for reaching the property; and describe accessibility of the property including the mine workings.

(b) Name the shipping and supply points and places where employees reside and state the distances between them and the property.

4. *The Exploration Project:*

(a) Describe fully the proposed exploration project giving individual footages and sizes of openings *for each item of work*. Use narrative, maps, plans, and longitudinal and cross sections as necessary. Show the location of the proposed work as related to geologic features such as veins, ore-bearing beds, contacts of rock formations, etc. Show also the relation of the proposed work to any existing mine workings and to *property boundaries* or to the closest identifiable corner.

(b) If an access road to the project must be built, show the location on the property map and state the length, type, and construction methods proposed.

(c) In the event that an exploration contract with DMEA is executed, how soon will the work start and how many months will be required to complete it? State your anticipated average daily or monthly rate of progress for each type of work.

5. *Experience:*

State your operating experience and background with relation to your ability to carry out this exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of Costs:*

Furnish detailed estimates of the costs *for each item of the work proposed in 4(a)* under the headings listed below with a total for each heading and the estimated total cost of the project. Costs for any work to be performed by an independent contractor should be shown separately under category *(a)* below. Costs for any work that is not to be performed by an independent contractor should be given in detail under categories *(b)* through *(g)*.

(a) Independent contracts. State the cost of any proposed independent contract for the performance of all or any part of the work, expressed in units of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved. Cost estimates should be supported by bids from three contractors if possible. *(Note* – If none of the work is to be contracted, write "none" after this item.)

(b) Personal services. For necessary supervision, engineering and geological services, and labor, include an itemized schedule of numbers, classes, rates of wages, salaries or fees, and periods of employment. State whether these technicians and employees are available.

(c) Operating materials and supplies. List items of material and supplies with their cost. Include under this heading power, water, and fuel, and units of equipment and tools costing less than $50 each.

(d) Operating equipment. List items of operating equipment to be used giving specifications and indicating how each item is to be acquired – i.e., rented, purchased, or provided by the applicant. If it is rented or purchased, state the estimated rental or purchase price. If it is to be furnished by the applicant, give its present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of necessary *initial* rehabilitation or repair of existing buildings, fixtures, installations (exclusive of mine workings), and movable operating equipment now owned by the applicant, which will be used on the exploration project.

(f) New buildings, fixtures, installations. Describe each building, fixed improvement, and installation to be purchased, constructed, or installed for the exploration project stating specifications and cost including labor, materials and supervision.

(g) Miscellaneous. For the operating equipment listed in 6*(d)*, describe the type and estimate the cost of repairs and maintenance expected during project operations. Do not repeat initial repairs listed in 6*(e)*. Show also the costs of analytical work, accounting, workmen's compensation and employees' liability insurance, payroll taxes, and other required costs that do not fall within the previous categories.

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)* State whether you are prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation stated in Sec. 7 of DMEA Order–I, Amended.

(b) Explain to what extent you propose to furnish your share of the costs by providing money, by use of equipment owned by you, or otherwise.

* * * * *

INT.-DUP. SEC., WASH., D.C. 15539

Official
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DMEA
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DATE | INITIALS | CODE

1. The property consists of located claims situate in Sections 6-7-17 and 20 T. 7 N., R.7 E. H.M. Trinity County California. Original locations friled Oct. 17, 1956 and recorded in Book 56, pages 147 and 148. Amended locations to correct boundary lines filed July 1,1957 and recorded in Book 56, pages 265 to 270 and page 273, Original instruments on file with County and Recorder of Trinity County California numbered 937 to 945 and amended instruments numbered 20 to 28.

b.
(b).
No known names except names given by locaters.
Grandad, Wheelbarrow, Eclipse, and Grizzly 1 through 3.

(c).
Owner.

(d).
None.

2.
(a)
(b)
(c) See engineering report enclosed. Please return.
(d)
(e)
(f)

3.
D.M.E.A. representative will contact the owner, M.R. Archibald, P. O. Box 1085 Arcata, California. (PHone Terrace 9-2198, who will meet him at Hawkins Bar, California and escort him by jeep to property. Property cannot be reached either from the south end near Denny or the north end near Grizzly Camp except on foot.

(b).
The shipping point would be Redding and the supplu point Willow Creek, California. The employees would live at the mine some 4 miles from Denny.

4.
The exploration project is to determine if a commercial ore Body exists. As included report shows ore at several locations, the continuity can be established by diamond drilling an estimated 2000 feet of hole. The crosscut started in the past should be continued and cross the vein at an estimated distance of 65 feet.

COPY

COPY

4.

(b).
An access road must be built to the property from Denny. It will be a rough cut graded road along the course of Quimby Creek, a distance of approximately 4 miles.

(c).
Road construction can start immediately, and drilling completed next summer. The road work should progess at a mile per month.

5.
This project will be under the supervision of engineers and not directed by the owner.

6.
Estimates of costs.

Road construction- approximately 4 miles at $ 1.10/ft.-		$23232.00
Diamon drilling	2000 feet at #.7.00/ft.	$14000.00
Extending adit	65 feet at # 40.00/ ft.	$ 2600.00
Engineering abd supervision		# 3983.00
		Total $43815.00

7.
(a)

Official
1957
13 1957

Original Page
DMEA
RECEIVED NOV 18 1957

DATE	INITIALS	CODE

REPORT

ON

THE ARCHITECTURAL PART [illegible] GLAZING

JOHN MacGINTIE

JOHN K. [illegible]

[illegible] ENGINEERING CONSULTANTS

Oct. 1957

CLAIMS

The Archibald and Dart group of claims consist of 8 unpatented lode claims. Namely

1.	Grizzly No. 1.
2.	Grizzly No. 2.
3.	Grizzly No. 3.
4.	Grizzly No. 4.
5.	Grizzly No. 5.
6.	Wheelbarrow.
7.	Grandad.
8.	Eclipse.

Making a total of 160 acres and giving an aggregate length along the vein of 12000 ft.

LOCATION AND ACCESSIBILITY

The claims are located 24 miles north of Highway No. 299 West at Hawkins Bar, California, about midway between Weaverville and Eureka. Grizzly camp in Sec. 6 T. 7 N., R. 7 E. H. M. is used as a base, and the claims are located in Sec. 6-7-18-20-29 T. 7 N., T. 7 E.; Humboldt Meridian, and in Sec. 31, T. 8 N., R. 7 E.; Humboldt Meridian.

The nearest railroad is Redding Calif. about 90 miles easterly, from which the property is reached by automobile or truck on U. S. Highway No. 299 W. to Hawkins Bar, and then by truck and jeep on a dirt road 24 miles in length.

TITLES AND PRESENT OWNERSHIP

The titles to the property are as follows:

All the claims are unpatented, and the locations were made by Wilmer Dart, M.R. Archibald Sr., James Archibald, and M.R. Achibald Jr. All Assigned to Archibold Trucking, A Partnership

HISTORY OF THE AREA

Prospectors entered this area about 1889 and placered the creeks and bars along New River. By 1895 several lode mines were working at the head waters of New River near old Denny. Farther down the river the town of Quinby ~~Creek~~ sprang up at the confluence of Quinby Creek and the New River. Quinby later became New Denny. Near here there are gold, barite, and copper mines.

From the old records pertaining to the Quinby Creek area, we find the Bear Tooth Mining Co. listed as having opened four veins in Sec. 34, T. 7 N., R. 7 E. H. M. The Granite group consisted of 7 claims on Quinby Creek, 6 miles above its mouth. Adjoining these claims was the Big Buck, crossing over the divide to Horse Linto claim.

Quinby Mining Co. had 6 claims in Sec. 22, T. 7 N., R 7 E. H. M. Records show a 100 ft. tunnel with 200 ft. of drifts and a lower tunnel, 400 ft. long. Small shipments were made in 1914 by pack train, and ran 22.5% copper. About 1917 this mine was equipped with cars, a 6 stamp Merrill mill, Wunington mill, and concentrating tables. These Pelton wheels were supplied by a 1½ mile ditch from Quinby Creek, and it is mentioned that there were dwellings at the site.

TOPOGRAPHY

The claims are located in steep mountainous country which is heavily timbered with Douglas fir and pine. The Trinity River and its confuluents drain all parts. This river heading in the Scott mountains division of the Coast range flows south 60 miles and then flows northwest until it unites with the Klamath River in Humboldt County. The New River joins the Trinity near Hawkins Bar, and Quinby Creek enters the New River at Denny.

GEOLOGY

The area is predominantly Paleozoic metamorphics, undifferentiated, consisting of slates, schists, affected igneous crystalline rocks, serpentine and serpentine, limestone.

Ultra-mafic dikes cut the region north of the claims area, which are in the Trinity National Forest, but not in the Salmon Trinity Alps Wilderness Area.

The vein on the claims has a general strike of North to North 10° West, and dips to the East at 74° to 90° from the horizontal.

The width of the vein taken from actual measurements varies from 20 to 50 ft.

The out crop is traceable for 2½ miles, and is covered with weathered gossan.

Quinby creek has exposed the vein on ~~Grizzly~~ Whizzbarow No. 1 claim, and the ore consists of massive sulphides, chalcopyrite, pyrrhotite, sphalerite, and pyrite. The ore seems to lose its sine characteristics in the southern area.

The hanging and foot wall are regular and well defined where they can be observed and are a limestone.

MINING FACILITIES

Water for domestic and mine purposes can be obtained from Quinby Creek, which flows the year round.

The nearest power line is 14 miles distant. Pacific Gas and Electric company furnishes power in this area.

Timber for mining purposes can be obtained from trees on the claims.

PRESENT WORKINGS

Recent work on the claims consist of trenching on the vein in several places. Samples were taken in these trenches. (See attached assay map).

An adit, approximately 300 ft. long was driven to intercept the vein near the south end line of Grizzly # 1. Work on this adit was abandoned before reaching the vein. Inquiries made place this work near the year 1917.

CONCLUSIONS AND RECOMMENDATIONS

The vein on ~~Grizzly~~ WHEELBARROW # 1 claim, having the best exposures, should be explored more thoroughly. A portable diamond drill can be used for this work.

If the vein between the two exposures on this claim has continuity in length and width, there would be 1400 tons of ore for every vertical foot.

The possibilities of obtaining a D, M, E. A. loan for an exploration program is being looked into at the present time.

As these claims are one of the best prospects that has come to our attention, mining companys with capital available for exploration should be contacted.

John MacGinness

John X. Murphy

Mining Engineering
Consultants.

COPY

U. S. Government Messenger Envelope

Standard Form No. 65 (Rev. 1957)
Promulgated by Bureau of the Budget Circular A-33 (Rev.)

NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM		NAME (OR TITLE) OF ADDRESSEE, AGENCY, ORGANIZATIONAL UNIT, ADDRESS, AND ROOM	
~~Room 1061~~ ~~Sec. Office~~	STOP		STOP
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Mr. Chamberlain Defense Minerals Exp. Adm Rm 4454	STOP		STOP
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Use STOP only when messenger service between Government buildings in Washington, D. C., is required or wherever a STOP system is used. Your mail room has STOP information.

INSTRUCTIONS FOR USE

1. Identify Agency of Addressee
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UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVE

DMEA 4878
(COPPER)

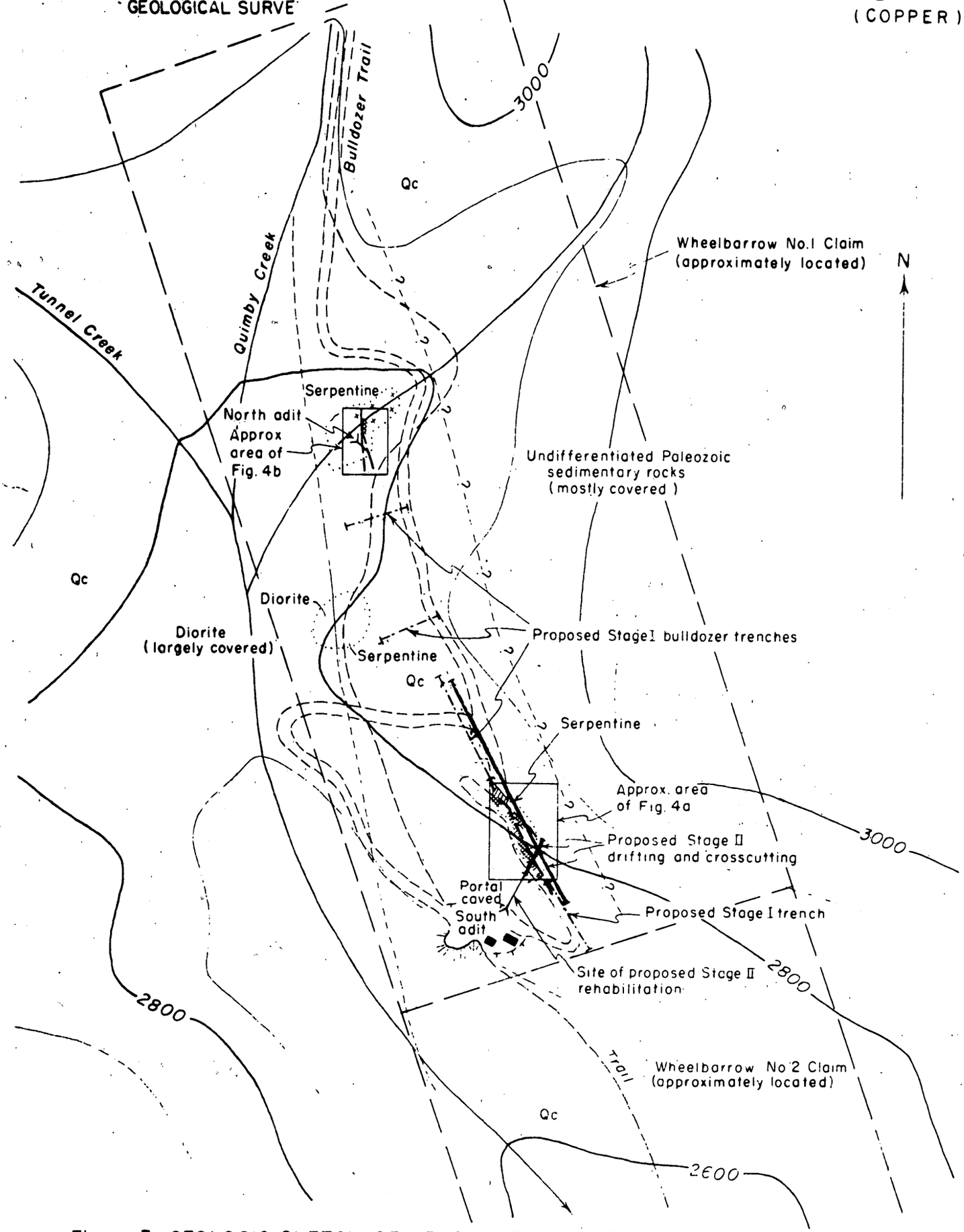

Figure 3. GEOLOGIC SKETCH OF PROSPECTS AT THE WHEELBARROW NO.1 CLAIM
HUMBOLDT COUNTY, CALIFORNIA

0 500 1000 Feet

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURV

DMEA 4878
(COPPER)

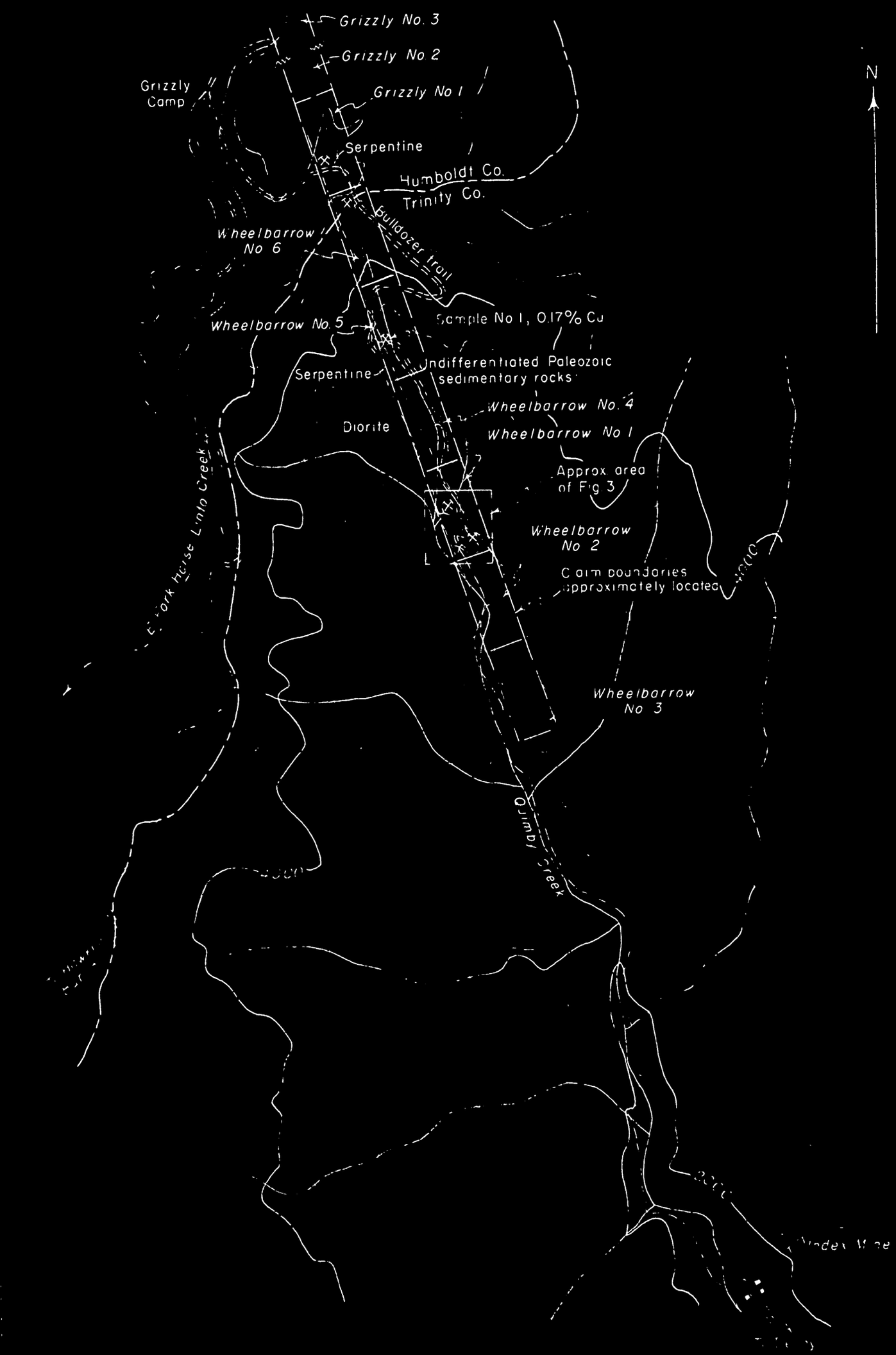

Figure 2. GEOLOGIC MAP OF AREA OF GRIZZLY [illegible] GROUP CLAIMS
TRINITY AND HUMBOLDT COUNTIES CALIFORNIA

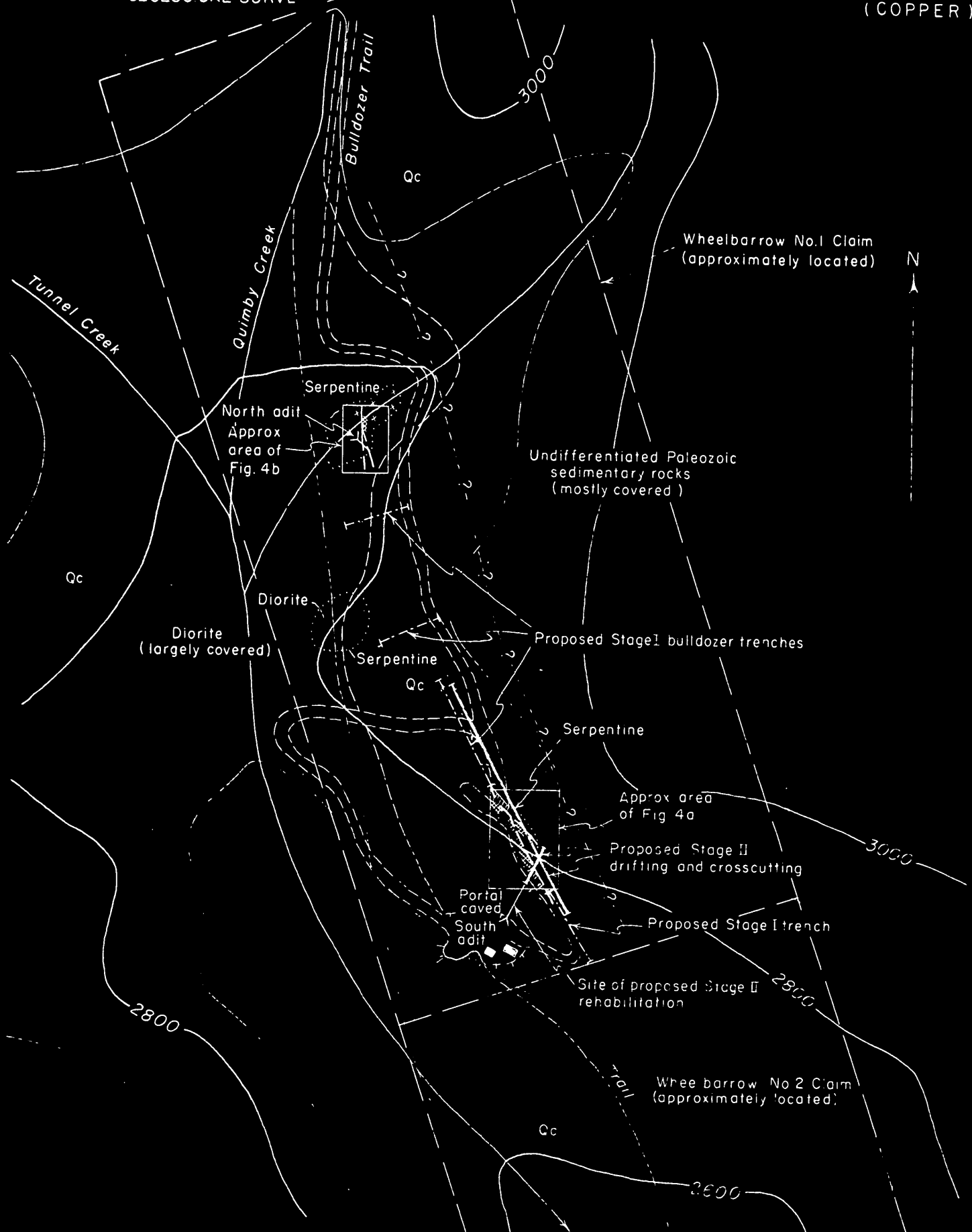

Figure 3. GEOLOGIC SKETCH OF PROSPECTS AT THE WHEELBARROW NO.1 CLAIM
HUMBOLDT COUNTY, CALIFORNIA

0 500 1000 Feet

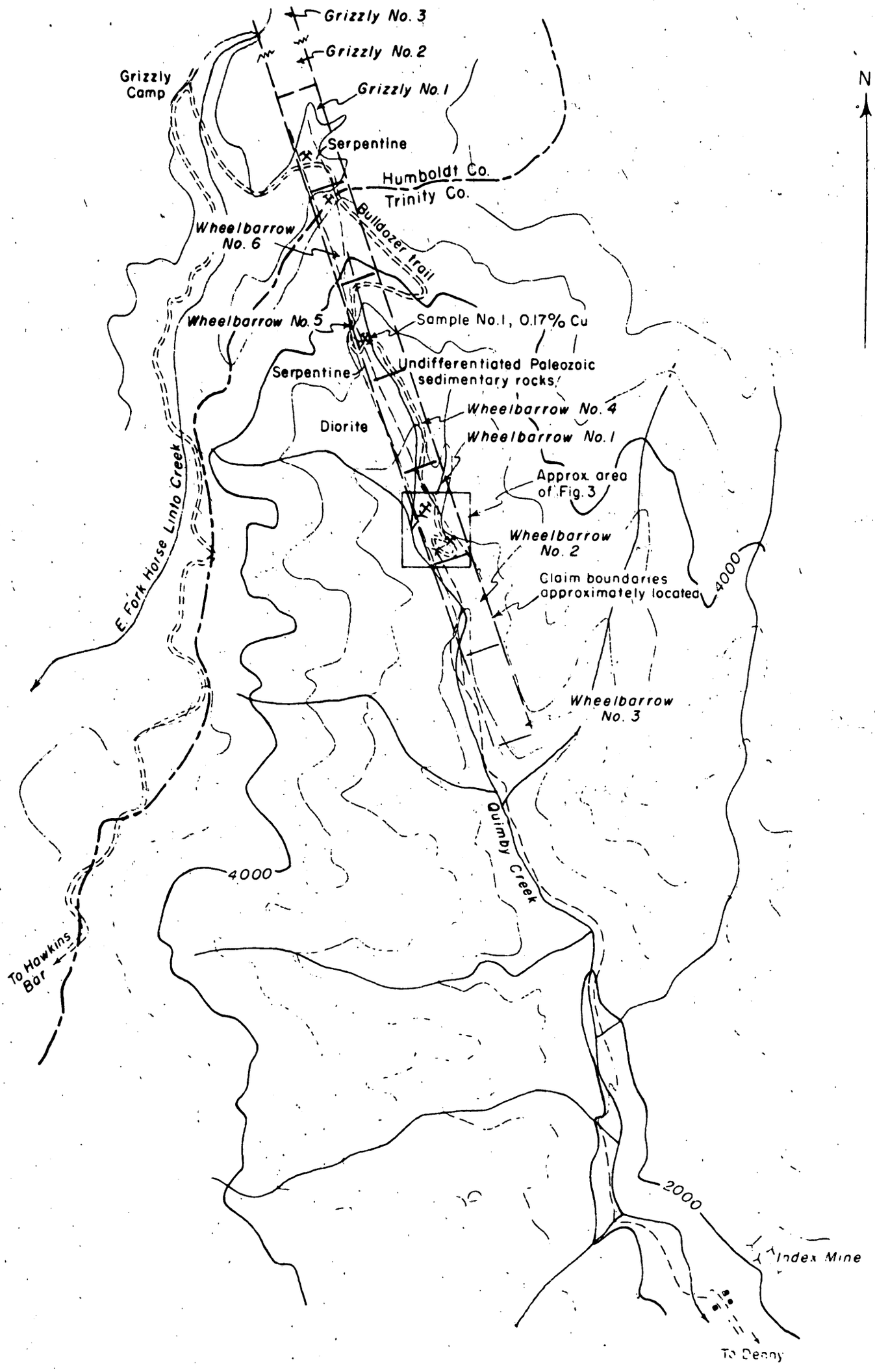

Figure 2. GEOLOGIC MAP OF AREA OF GRIZZLY ET AL. GROUP CLAIMS
TRINITY AND HUMBOLDT COUNTIES, CALIFORNIA

0 3000 6000 Feet

T. 3 N.

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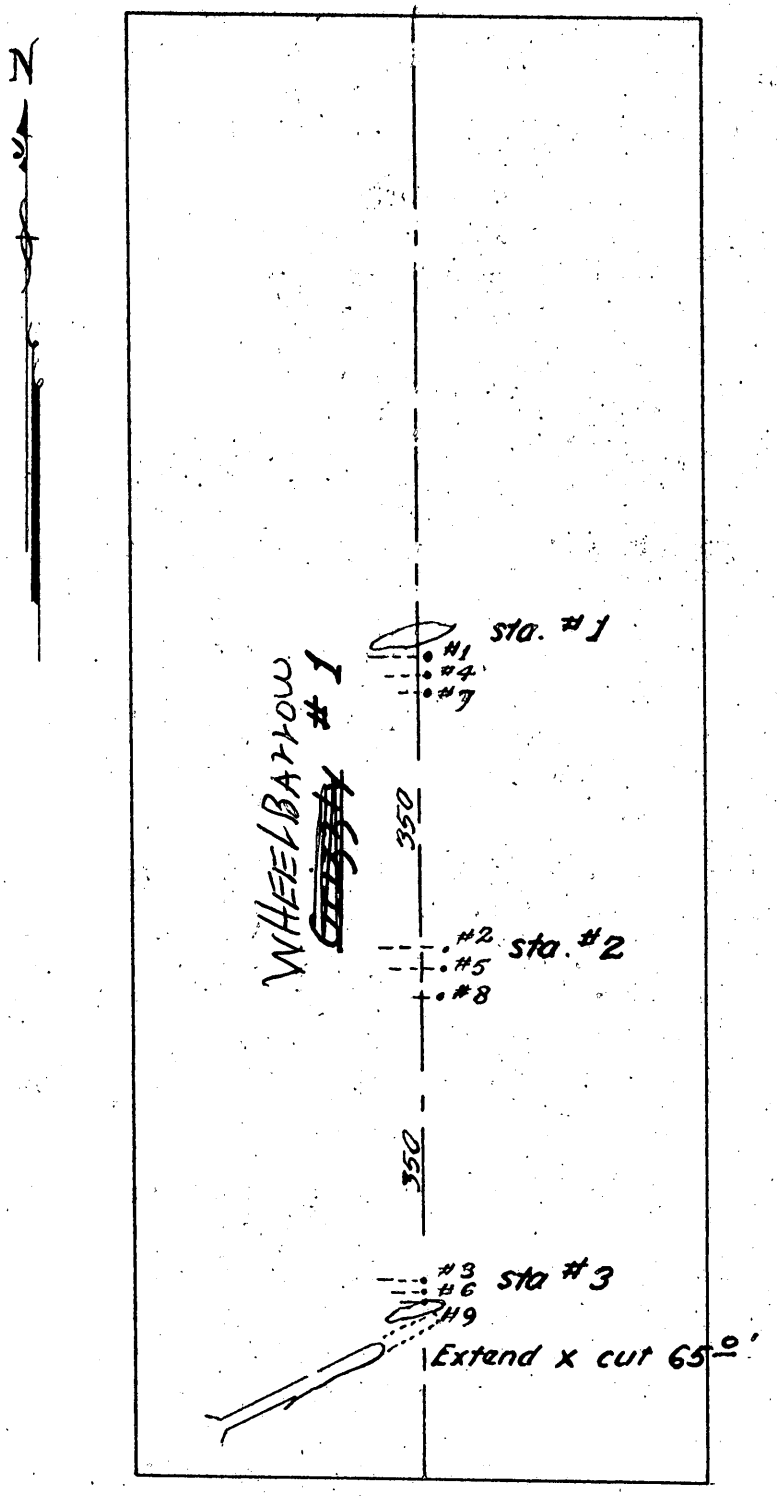

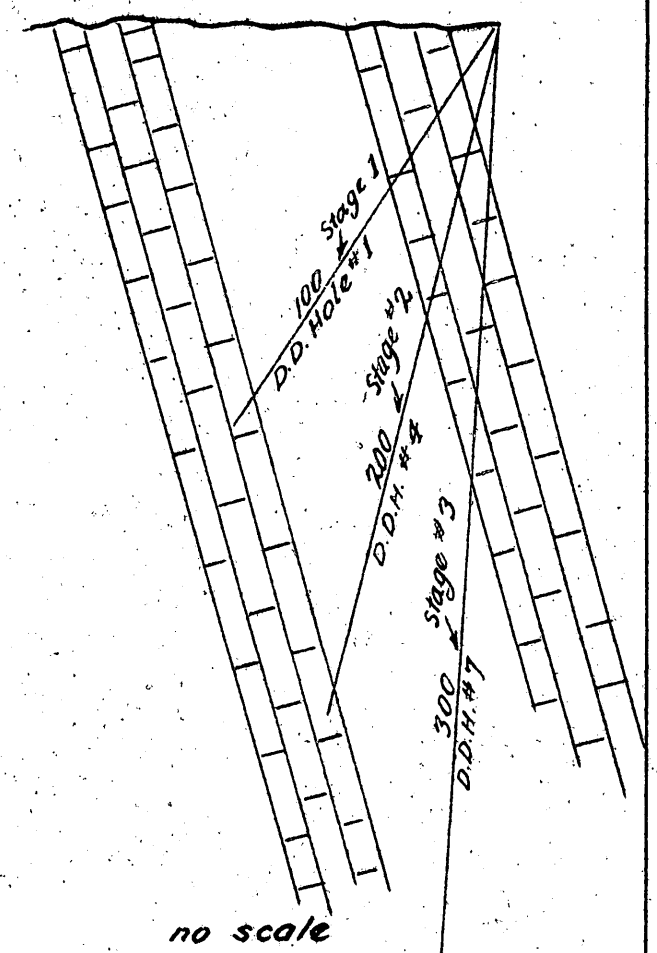

Drilling set up same at D.D.H. sta. # 2 & 3

PROPOSED EXPLORATION PROGRAM
ON [redacted] #1 CLAIM
Scale: 1" = 200'

Official

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DEPARTMENT OF INTERIOR
BUREAU OF MINES
REGION II
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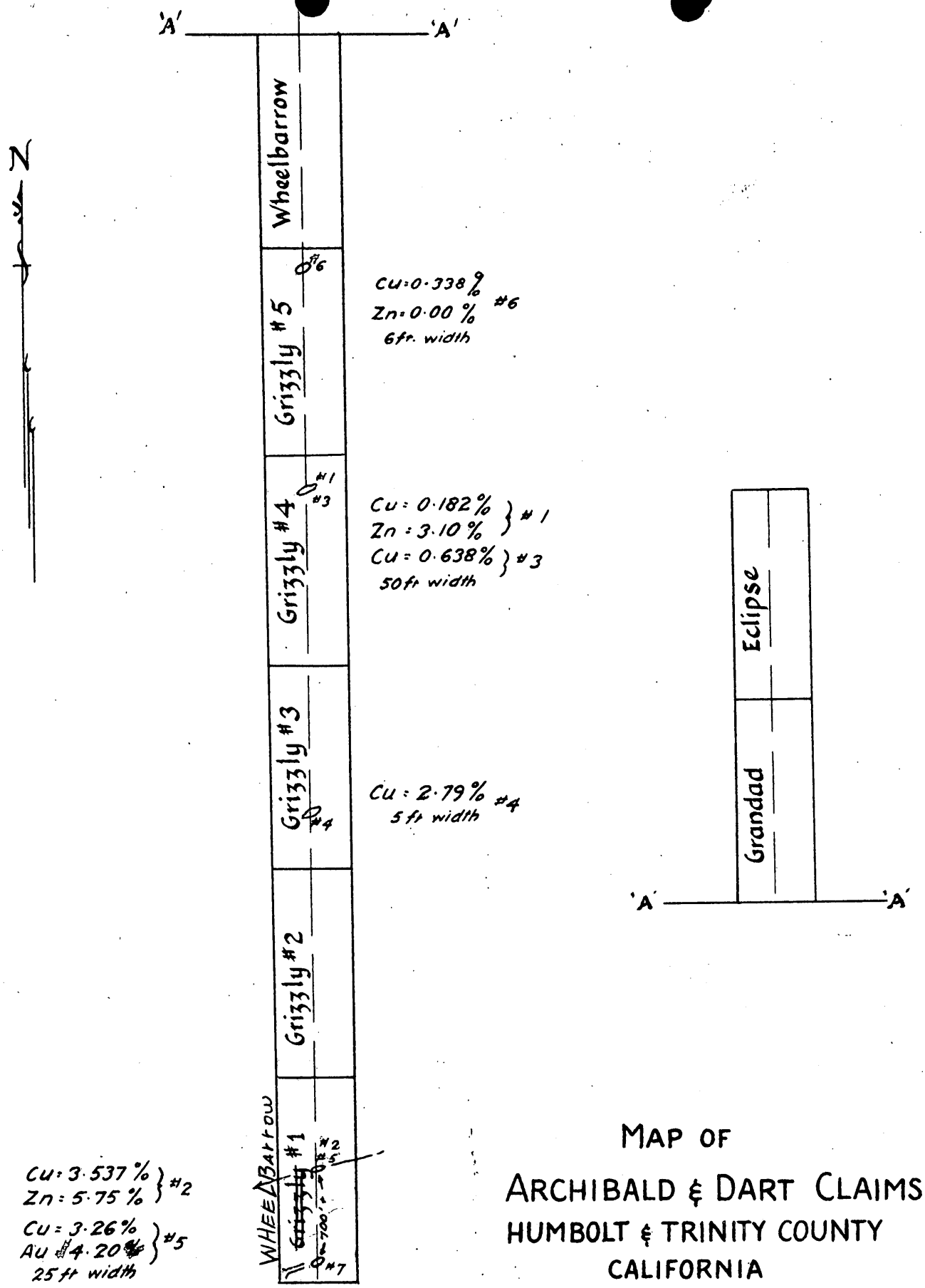
RENO, NEVADA



MAP OF

ARCHIBALD & DART CLAIMS

HUMBOLT & TRINITY COUNTY

CALIFORNIA

Scale: 1" = 1000'

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DATE	INITIALS	CODE

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
10/28	Selfridge	120
		225
10/28	Johnson	1.0
10/29	gad	1.0
		500
		225

OCT 29 1959

Memorandum

To: Executive Officer, OME Field Team, Region II

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking
Grizzly Group, et al. claims
Trinity County, California
Contract No. Idm-E1187

Your memorandum of October 26, 1959, advises that work under the subject contract was terminated effective April 28, 1959, recommends waiver of the requirement for an Operator's final report, and requests a Report of Review in lieu of a final audit.

The April 28, 1959, agreement between the Operator and the Government provides that the contract is rescinded, revoked, and cancelled before performance of any work or incurrence of any costs, "without any obligations whatever one party to the other, the same as if the contract had never been entered into".

In accordance with this quoted portion of the agreement neither the Operator's final report nor this Division's Report of Review are required or in order. This docket was considered closed upon execution of the rescission agreement.

EDTalbert/ama
October 28, 1959

Copy to: Docket
Director's Reading File
CA & A Division

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
555 Battery Street
San Francisco 11, California

October 26, 1959

Memorandum

To: Contract Administration & Audit Division, OME

From: Executive Officer, OME Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking
Grizzly Group, et al claims
Trinity County, California
Contract No. Idm-E 1187

Work under the contract was terminated effective April 28, 1959 by a rescission agreement executed by the operator on August 28, 1959.

No units of work were done under the contract. The operator has not submitted a final engineering and geological report and we recommend that such a report be waived. No funds have been paid to the Operator and no claim for reimbursement has been made.

A Report of Review, in lieu of a final audit, is in order and requested.

W. F. Dietrich

W. F. Dietrich

Copy to: Finance office, Region II
H. K. Stager, U.S.G.S.
A. C. Johnson, Reno, Nevada
OME File

OFFICIAL FILE COPY
O. M. E.
RECEIVED OCT 28 1959

DATE	INITIALS	CODE
10-28	gad	220
		800

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

OFFICIAL FILE COPY
IN REPLY REFER TO: O. M. E.
RECEIVED SEP 25 1959

DATE	INITIALS	CODE
9-25	gad	220
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		225

September 25, 1959
DMEA 4878 (Copper)
Archibold Trucking
Grizzly Group et al, Claims
Humboldt and Trinity Cos., Calif.

Memorandum

To: W. R. Griswold, Office of Minerals Exploration

From: Harold Kirkemo, U. S. Geological Survey

Subject: Review of Final Report

I concur with the Field Team that the Operator's Final Report be waived. No work was done on the contract and no Government funds were expended.

I do not understand the reason for the observation that consideration of future exploration work, if requested, may be justified provided the operator completes his proposed plan for open pit mining. Any proposed plan would have to take into account the stage of development of the property. The merits of a plan would have to be considered under any circumstance.

Harold Kirkemo

Harold Kirkemo

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
555 Battery Street
San Francisco 11, California

September 2, 1959

Memorandum

To: Operating Committee, OME, Interior Building, Washington, D. C.

From: Executive Officer, OME Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Contract No. Idm-E 1187
Archibald Trucking (Partnership)
Grizzly Group, et al Claims
Trinity County, California

Reference is made to Mr. R. M. Smith's letter of May 5, 1959, transmitting to the operator the original and four copies of a mutual rescission agreement.

The rescission agreement has been executed on the part of the operator and one copy retained by him.

Proper distribution has been made of the Field Team's and Finance officer's copies and the original and one copy are returned herewith.

W. F. Dietrich

W. F. Dietrich

Copy to: OME File
H. K. Stager, U.S.G.S.

OFFICIAL FILE COPY
O. M. E.
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DMEA Form 7
(12-56)

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7/31	[illegible]	130
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7-31	gad	220
"	[illegible]	500

JUL 31 1959

Memorandum

To: Mr. [illegible] Dietrich, Executive Officer
[illegible] Field Team, Region II

From: Chairman, Operating Committee

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity and Humboldt Counties, California
Contract No. Idm-21187

Docket No. DMEA-4092 (Copper-Zinc)
Shasta Minerals and Chemical Company, Inc. (Assignee)
Balaklala Mine
Shasta County, California
Contract No. Idm-1006

Docket No. DMEA-2826 (Zinc and Copper)
Providence Tuolumne Gold Mines, Inc.
Copper Bluff Mine
Humboldt County, California
Contract No. Idm-1551

Reference is made to your memorandum of July 20, 1959, relating to the moving of the [illegible] headquarters from Reno to San Francisco. In checking over the list we noted that the subject dockets were not mentioned.

On May 5, 1959, Mr. Smith sent a Rescission of Contract to Archibald Trucking. If you have not had an answer, please let us know and we shall send a unilateral Rescission of Contract to the partnership.

Our records show that the Shasta Minerals and Chemical Company, Inc., is actively drilling under the contract.

Only the Field Team's report and an audit remain under the Providence Tuolumne contract.

Approved:

George C. Selfridge

Frank D. Lamb

Member, Bureau of Mines

Harold Kirkemo

Member, Geological Survey

GCSelfridge/fw-7/30/59
cc: Docket DMEA-4878
" DMEA-4092
" DMEA-2826
Dir.Read.File
Operating Com'te
Mr. Bishop, USBM-Rm.3620
Mr. McMahon, USBM-Rm.3623
Mr. Kirkemo, USGS-Rm.5222

Mr. Selfridge
CA & A Div.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY O. M. E. RECEIVED MAY 8 1959		
DATE	INITIALS	CODE
5/8	a	220
5/8	[illegible]	800
5/8	[illegible]	500

May 5, 1959

Via: Registered Mail

Mr. M. R. Archibald
Archibald Trucking
P. O. Box 1085
Arcata, California

Re: Docket No. DMEA-4878 (Copper)
Contract No. Idm-E 1187
Archibald Trucking (Partnership)
Grizzly Group, et al. Claims
Trinity County, California

Dear Mr. Archibald:

As we have had no reply to Mr. Ricker's letter of February 6, 1959 and since the contract expires July 25, 1959 we conclude that you may wish to rescind the contract as suggested in the last sentence of Mr. Ricker's letter.

Enclosed are the original and four copies of a mutual rescission agreement, all of which should be signed by all of the partners. The original and three copies should be returned promptly to this office; the copy marked "Operator's copy" is for your files.

If any part of the proposed agreement does not have your approval, the original and all copies should be returned, together with your proposed changes for consideration.

Sincerely yours,

R. M. Smith
Acting Executive Officer
OME Field Team, Region II

Attachments

RMS:ft
cc: Opr. Com., OME, Wash., D.C.
Finance Office, Reg. II
GeoMavor
RMSmith
File
Chron

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
4/24	[illegible]	500
4/24	[illegible]	800
4/28	[illegible]	130
"	[illegible]	110
		~~100~~
		~~HB~~
4/28	[illegible]	220
		500

500

APR 28 1959

Memorandum

To: Executive Officer, OME Field Team, Region II

From: Chairman, Operating Committee, OME

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity and Humboldt Counties, California
Contract No. Idm-E1187

We have your memorandum of April 8, 1959, suggesting that the cited project be terminated.

It is the opinion of the Associate Solicitor (two copies of the memorandum are enclosed) that we should first forward the Operator a contract rescission for signature. If the Operator then neglects to sign such agreement, we must then take other steps. Will you, therefore, please forward the enclosed "Rescission of Exploration Project Contract" to the Operator for signature, via registered mail. The original and four copies are enclosed, all of which should be executed by the Operator.

/s/ George G. Selfridge (JHB)

Enclosures

APPROVED:

(sgd.) G. W. Josephson (JHB)
Member, Bureau of Mines

N. E. Nelson (JHB)
Member, Geological Survey

WRGriswold/er 4/24/59
Copy to: Docket
Dir Read File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron.

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 22 1959

DATE	INITIALS	CODE
APR 20 1959		
4/22	a	220
		500

Memorandum

To: Acting Director, Office of Minerals Exploration

From: Acting Associate Solicitor,
Division of Mineral Resources

Subject: Termination Agreement with the Archibald Trucking partnership, Contract No. ~~Idm-E1187~~, Docket No. DMEA-4878 (copper)

Attached is a draft of a mutual termination agreement to be forwarded to the Operator with a suitable letter requesting prompt action. Reference might be made to the last sentence of the letter to them, dated February 6, 1959, by the Executive Officer, Region II.

Should the Operator fail to execute and return this agreement within a reasonable time, we can then issue a "Notice of Default". At the present time this office is of the opinion that we might be acting with undue haste in attempting to rescind the contract without sufficient notice.

We suggest that this notice be mailed to the Operator via registered mail, return receipt requested.

J. L. Hofflund

J. L. Hofflund

Attachment

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code

500

April 15, 1959

Memorandum

To: Associate Solicitor, Division of Minerals Resources

From: Chief, Division of Base Metals

Subject: Re Docket No. DMEA-4878, Archibald Trucking (Partnership), Grizzly Group, et al., Claims, Trintiy and Humboldt Counties, California, Contract No. Idm-E1187, Copper.

Kindly note the April 8 letter of Mr. Ricker regarding getting rid of the cited contract. Logically this could be done ny a mutual Recission but since the Operator fails to reply to correspondence, he likely would also fail to sign and return a Recission Agreement.

Hence, it would seem that we might apply a Default Notice, like the one attached. However, the form would be a little different since (as no work has been paid for) the Operator would have no obligations as to a Final Report of winding-up actions, etc.

W. R. Griswold

Attachment

WRG/er
CC; Docket
Dir Read File
Chron.

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1605 Evans Avenue
Reno, Nevada

April 8, 1959

Memorandum

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

From: Executive Officer, OME Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Contract No. Idm-E 1187
Archibald Trucking (Partnership)
Grizzly Group, et al. Claims
Trinity County, California

We have had no reply from the Operator to our letter of February 6, 1959, relative to subject contract. We, therefore, recommend that the contract be terminated. No payments on contract items have been paid by the Government.

S. Ricker

OFFICIAL FILE COPY
O. M. E.
RECEIVED APR 13 1959

DATE	INITIALS	CODE
4/14	C	220
4/14	GCS abstract	130
4/14	[illegible]	500

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
O. M. E.
RECEIVED FEB 9 1959

DATE	INITIALS	CODE
2-9	C	220
2/10		800
2/10		500

February 6, 1959

Mr. M. R. Archibald
Archibald Trucking
P. O. Box 1085
Arcata, California

Re: Docket No. DMEA-4878 (Copper)
Contract No. Idm-E 1187
Archibald Trucking (Partnership)
Grizzly Group, et al. Claims
Trinity County, California

Dear Mr. Archibald:

Referenced contract was executed April 25, 1958. Amendment No. 1 extended the completion time to 15 months from the date of contract, or July 25, 1959.

As no work item under the contract has been completed, we would appreciate knowing promptly what your future plans are relative to the remaining work. We particularly want to know if you are prepared to resume the work within a reasonable time and complete it under the terms of the contract before July 25, 1959. Otherwise, a mutual termination agreement should be considered.

Very truly yours,

S. RICKER

S. Ricker
Executive Officer
OME Field Team, Region II

Attachments
SRicker:ft
cc: Opr. Com., OME, Wash., D.C.
Finance Office, Reg. II
GeoMavor
RMSmith
File
Chron

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 19 1958

DATE	INITIALS	CODE
9/19	C	220
9/22	Wolf.	500
	Klug	

Sept. 16, 1958

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al. Claims
Trinity and Humboldt Counties, California
Contract No. Idm-E 1187

Enclosed are the Government's and Audit copies of Amendment No. 1 to subject contract, executed by the operator. The remaining copies have been distributed in the usual manner.

S. Ricker

Attachments

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED SEP 5 1958

9/5	C	220
9/5		800
9/9		500

Sept. 3, 1958

Mr. M. R. Archibald
Archibald Trucking
P. O. Box 1085
Arcata, California

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

Dear Mr. Archibald:

Enclosed are the original and four copies of proposed Amendment No.1 to referenced contract, signed by the Administrator for the Government.

If the amendment meets with your approval, all five copies should be signed by you and your partners. The copy marked "Operator's copy" should be retained by you and the original and other three copies should be returned to this office.

If any part of the amendment does not meet with your approval, the original and all copies should be returned, together with your suggested changes.

Very truly yours,

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

SRicker:ft
cc: Opr. Com., DMEA, Wash., D.C.
Finance Office, Region II
GeoMavor
RMSmith

File Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
8/28	Klugscheid	500
"	Chandler	800
8/29	GCS	130
8/29	Jones	110
"	Matthews	108
9/2	C	220
		500

AUG 29 1958

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

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity and Humboldt Counties,
California
Contract No. Idm-E1187

Dear Mr. Ricker:

In accordance with your memorandum, dated August 15, 1958, and the letter of the Operator, dated August 9, we are enclosing the original and four copies of proposed Amendment No. 1 (1 page) to the cited contract, signed by the Administrator for the Government. We are enclosing two extra copies for the use of the Field Team.

If the amendment meets with your approval, kindly present it to the Operator for approval and signature and, when completed, distribute the copies in the usual manner. In the event that the agreement is not satisfactory and cannot be amended within your delegated authority, return all copies with your recommendations concerning any modifications.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures

APPROVED:

P. F. Yopes (GCS)
Member, Bureau of Mines

N. E. Nelson (GCS)
Member, Geological Survey

WPKlugscheid/izm 8-28-58
cc: Admr.'s Reading File
Operating Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS

8623

Memorandum for the Files

From: W. R. Griswold, Director, Division of Base Metals

Subject: Amendment No. 1, Docket No. DMEA-4878, Archibald Trucking (Partnership), Grizzly Group, et al, Claims, Trinity County, California.

See letter of Mr. Archibald, dated August 9, 1958, and also letter of Mr. J. X. Murphy, dated August 12, 1958.

W. R. Griswold

Operating Concrete
Will not dist funds
until about beginning
death after June
30.

Amen-4878
8/28/58

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

August 21, 1958

MEMORANDUM:

To: Associate Solicitor, Division of Mineral Resources

From: Director, Division of Base Metals

Subject: Preparation of Amendment No. 1
Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity and Humboldt Counties, California
Contract No. Idm-E1187

Will you kindly prepare an Amendment No. 1 to the cited contract which will:

1. Extend the date for starting work under the project from June 30, 1958, to September 30, 1958.
2. Extend the time for work completion from 12 months from date of contract to 15 months from date of contract.
3. Extend the repayment period from 10 to 11 years.

W. R. Griswold

WRG/ dl 8-21-58
cc to: Docket
Chron.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1958

DATE	INITIALS	CODE
8/19	H.q.	225
		130
		500

Aug. 15, 1958

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

E 1187

Enclosed are two copies of a letter from the operator requesting an extension of starting time for work on subject contract from June 30, 1958 to September 30, 1958. This will entail an extension of completion of the work from April 25, 1959 to July 25, 1959.

?

We approve the request and recommend that an amendment be prepared accordingly.

S. Ricker

S. Ricker

Attachments

BUREAU OF MINES
WASHINGTON, D. C.
AUG 18 1 46 PM '58

P. O. Box 533
Telephone Chestnut 1-0843

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1958

DATE	INITIALS	CODE

W. K. ADAMS - B. E. REISER
R. E. 591 R. E. 6700
ENGINEERING CONSULTANTS
1733 Oregon Street
Redding, California

August 12, 1958

Mr. J. D. Warne
Mining Engineer
United States Department of the Interior
Defense Minerals Exploration Administration
1605 Evans Avenue
Reno, Nevada

Dear Mr. Warne:

I am enclosing a letter from Mr. Archibald giving his reasons for failure to consumate his DMEA contract.

Mr. Archibald has just contacted me by telephone and tells me that if the Forest Service approves the proposed location of the road they will start building it next week.

As you know the primary business of Mr. Archibald is logging and the summer months are his busy season. We would appreciate it very much if you could grant the requested extension as Mr. Archibald seems quite anxious to take advantage of the government loan. If there is any further information that I can give you, please call on me.

Sincerely yours,

J. X. Murphy

JXM/ea
Encl.

Note. See date based on Archibald file copy

ARCATA, CALIFORNIA
AUGUST 9, 1959

OFFICIAL FILE COPY
DMEA
RECEIVED AUG 19 1959

DATE	INITIALS	CODE

MR. JOHN MURPHY,
P. O. BOX 523,
REDDING, CALIFORNIA.

DEAR MR. MURPHY:

WE ARE WRITING TO EXPLAIN TO YOU WHY WE HAVE BEEN UNABLE TO START THE DMEA WORK BY JUNE 30TH:

1. THE WEATHER WOULD NOT PERMIT US TO START AS IT WAS IMPRACTICAL TO BUILD A ROAD INTO THIS PROPERTY BECAUSE OF IMPROPER DRAINAGE AS EARLY AS JUNE.

2. WE HAD TO OBTAIN THREE RIGHT OF WAYS ACROSS MINING CLAIMS AND IT WAS IMPOSSIBLE TO GET THESE BY JUNE 30TH. THE LAST RIGHT OF WAY WE HAD TO GET IS STILL NOT OBTAINED AS THE OWNER HAS BEEN OUT OF TOWN AND ONLY JUST RETURNED AUGUST 2. I HOPE TO CONTACT HIM THE FIRST OF NEXT WEEK.

3. WE ALSO HAVE TO GET A RIGHT OF WAY FROM THE FOREST SERVICE. I WILL CONTACT MR. O'KEEFE MONDAY OR TUESDAY IN REGARD TO THIS RIGHT OF WAY.

4. MR. MURPHY, YOU HAVE BEEN OVER THE UPPER ROAD WE BUILT LAST YEAR AND KNOW THAT IT WOULD BE IMPOSSIBLE FOR US TO GET FUEL AND MATERIAL INTO THIS CLAIM, SO WE ARE GOING TO BUILD THE ROAD FROM THE MOUTH OF GUIMPY CREEK INTO SAID CLAIM AND HOPE TO GET STARTED WITHIN TWO WEEKS, AS OUR CAT IS IN THE SHOP FOR MAJOR REPAIRS. THIS ROAD WILL BE A PERMANENT ROAD FOR ALL MINING OPERATIONS ON SAID PROPERTY.

IN VIEW OF THE ABOVE REASONS, WE WOULD APPRECIATE IT IF YOU WOULD CONTACT MR. WARREN OF THE DMEA AND REQUEST AN EXTENSION OF 60 TO 90 DAYS FOR US TO COMPLETE THIS JOB.

MAY WE HEAR FROM YOU SOON. THANK YOU.

VERY TRULY YOURS,

ARCHIBALD TRUCKING

PARTNER

DMEA

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

June 30, 1958

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al. Claims
Trinity County, California
(Your letter, April 25, 1958)

Enclosed are the Government's and Audit copies of Contract No. Idm-E 1187, executed by the Operator. The remaining copies have been distributed in the usual manner.

Edward F. Gurley
For: S. Ricker

Attachments

Official

DMEA
RECEIVED JUL 2 1958

DATE	INITIALS	CODE
7/2	C	220
7/3	B	215
7/7	[illegible]	500

No envelope gather from Bureau Mines mail room 7/2/58
C.C.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

OFFICIAL FILE COPY
DMEA
RECEIVED MAY 29 1958

DATE	INITIALS	CODE
5/29	C	220
6/3	[illegible]	500

May 27, 1958

Mr. M. R. Archibald
P. O. Box 1085
Arcata, California

Re: Docket DMEA-4878 (Copper)
Archibald Trucking (Partne rship)
Grizzly Group, et al., Claims
Trinity County, California

Dear Mr. Archibald:

Enclosed are the original and four copies of a proposed short-form contract for an exploration program at referenced property, signed by the Administrator forthe Gov ernment. Attached to the contract are Annex I (one page), Exhibit A (two pages), and two maps.

If the proposed contract meets with your approval, all five copies should be signed by you and your partners. The copy marked "Operator's copy" should be retained by you and the original and other three copies should be returned to this office.

If any part of the contract does not meet with your approval, the original and all copies should be returned with your suggested changes.

Very truly yours,

S. RICKER

S. Ricker
Executive Officer
DMEA Field Team, Region II

Attachments

SRicker:ft
cc: Opr. Com., DMEA, Wash., D.C.
RMSmith
File
Chron

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
4/22	Griswold	500
4-22	Chambers	800
4/25	[illegible]	130
"	Johnson	110
"	Attorneys	100
4/28	[illegible]	220
		500

APR 25 1958 500

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

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

Dear Mr. Ricker:

With reference to your memorandum of February 14, 1958, and subsequent correspondence, covering the cited application, we are enclosing the original and four copies of a proposed short-form contract for this project. The contract, which consists of the form, Annex I (one page), Exhibit A (two pages), and two maps, has been signed by the Administrator for the Government. We are also enclosing two extra copies of Annex I, Exhibit A and the maps for the use of the Field Team.

We have abbreviated the project from that proposed by the Field Team. We have eliminated the proposed Stage I (bulldozing) since the trenching already done has given at least some significant information. The proposed drifting has been reduced from 400 to 150 feet; we do not consider too much drifting as being advisable at such a shallow depth.

We are enclosing copies of a memorandum from the Associate Solicitor pointing out a conflict in the data pertaining to the recording of the mining claims. This should be cleared up before the contract is tendered for signature.

If the proposed contract meets with your approval, kindly present it to the Applicant for approval and signature and, when completed, distribute the copies in the usual manner. Otherwise, and if any proposed change should lie beyond your delegated authority, return all copies to us with your recommendations.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (JHB)

Enclosures
APPROVED:

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

Thor H. Kiilsgaard (JHB)
Member, Geological Survey

WRGriswold/er 4/22/58
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron.

8623

Government's copy

MF-200A
(Rev. April 1956)

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
EXPLORATION PROJECT CONTRACT
(Short Form)

DMEA No.	*Commodity*	*Contract No.* *Idm-E*	*County*	*State*
4878	Copper-zinc		Trinity	California

It is agreed ....., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Archibald Trucking, a partnership, composed of Wilmer Dartt, M. R. Archibald, Sr., M. R. Archibald, Jr., and James Archibald

whose mailing address is P. O. Box 1085
Arcata, California
hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority and project.*—(a) This contract is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200A), the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed therein. The project work is a search for indicated or undeveloped deposits of the commodity designated above. The Operator shall begin the work on or before ....., and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 12 months from the date of the contract.

(b) The description of the work and the fixed cost for each unit of work to be performed (per foot of drilling, per foot of drifting, per hour of operations, etc.) are hereby agreed upon as specified in Exhibit A. The estimated total cost of the project work is $~~9,620.00~~ 9,860.00. The Government will contribute 50 percent of the fixed unit cost of the work performed, not exceeding $~~4,810.00~~ 4,930.00, in accordance with the provisions of Articles 4 and 5.

(c) The Operator shall not transfer or assign this contract or any right or obligation thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's rights of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances: None

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached, as follows: .....

(c) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing

in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. Two copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 6 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. *Performance of the work.*—(a) Operator's responsibility.—The work shall be performed diligently, efficiently, expertly, in a workmanlike manner, and in accordance with good mining standards and State regulations governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work, as specified in Article 1 (a).

(b) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after certification of discovery or development, to inspect production operations and underground workings. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. *Contribution by the Government.*—The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5 (b); but all payments by the Government are provisional only, subject to audit, and until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been rendered, the Government may withhold such sums as it sees fit but not in excess of 10 percent of the estimated total cost of the work. To the extent that excesses over fixed unit costs or any excess over the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such excesses for his own account without contribution by the Government. The Government will not contribute to the cost of any work performed prior to the date of this contract. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(a) Operator's records.—The Operator shall keep suitable records and accounts of the units of work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing a detailed statement of units of work performed during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and the fixed unit costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and the unit costs thereof.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

EXPLORATION PROJECT CONTRACT
ARCHIBALD TRUCKING
DOCKET NO. DMEA-4878

EXHIBIT A

Description of the Work

The purpose of the project is to explore for ores of copper and zinc by means of crosscutting and drifting.

The existing bulldozer trail from Grizzly Camp to the Wheelbarrow No. 1 claim (about 2½ miles) shall be repaired for access to the project. The existing crosscut, known as the South Adit, shall be rehabilitated and retimbered, as necessary, for a distance estimated to be 65 feet.

From the face of the South Adit, the crosscut shall be continued to intersect the mineralized zone of shearing exposed in the existing surface trench above the crosscut, a distance estimated to be approximately 65 feet.

From the point of intersection, drifting shall be performed northwesterly and southeasterly, along the mineralized zone, for a total distance not to exceed 150 feet.

All drifts and crosscuts shall be timbered as necessary and shall be a minimum size of approximately 5 feet by 7 feet in the clear of timber.

All significantly mineralized sections shall be sampled at 5-foot intervals as the drifting progresses. All samples shall be split and one-half assayed for copper and zinc, ~~gold and silver~~. The other half of such samples shall be retained and made available to the Government. Not to exceed 30 ~~assays~~ samples shall be made.

The work of crosscutting and drifting is indicated on the attached map entitled "Figure 3."

Estimated Costs of the Project

Fixed Unit Costs

Repairing existing bulldozer trail from Grizzly Camp to Wheelbarrow No. 1 claim 1/	$250.00
Rehabilitation of South Adit, 65 feet @ $10/ft.	650.00
215 feet of crosscutting and drifting @ $34.00/ft.	7,310.00
Timbering of new crosscutting and drifting, 215 feet @ $6/ft.	1,290.00
30 samples for assay @ $~~4~~ 2/each sample	~~120.00~~ 60.00
Estimated total cost of the project	$~~9,620.00~~ 9860.00
Government's participation, 50%	$4,~~810.00~~ 930.00

1/ The completed work constitutes the unit.

Tool and change house, approximately 8 x ~~8~~ 10 feet, rough lumber 300

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

APR 18 1958

Memorandum

To: Administrator, DMEA
Attention: Director, Division of Base Metals

From: Associate Solicitor, Division of Mineral Resources

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

As requested in Mr. Griswold's memorandum dated April 7, 1958, we have prepared the attached Contract.

Annex I contains the recording data listed in the Field Team report. However, this data is at variance with that contained in the application.(See paragraph 1 of application and the first paragraph of John X. Murphy's report attached to the application.) Accordingly, the recording data should be verified by the Field Team prior to execution of the Contract, and, if necessary, appropriate corrections made in Annex I.

Robert P. Dwyer

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code

500

April 7, 1958

Memorandum

To: Associate Solicitor, Division of Minerals Resources

From: Director, Division of Base Metals

Subject: Preparation of Contract for Docket No. DMEA-4878, Archibald Trucking (Partnership), Grizzly Group, et al., Claims, Trinity County, California, Copper.

Will you kindly prepare a short form contract along the lines of the attached rough draft. The necessary maps will be sent you later.

W. R. Griswold

W. R. Griswold

WRG/er
Copy to: Docket
Chron.

8623

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada
March 26, 1958

RECEIVED MAR 28 1958		
DATE	INITIALS	CODE
3/28	C	226
3/28	wpb.	500

Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

Your letter of March 3, 1958 has been discussed with Roscoe Smith and our examining engineer and geologist and it is the consensus that our proposed work would give more reliable data as to the potential value of the property than diamond drilling.

We estimate that 1,700 feet of drilling at the location would be required in Stage II at a cost of around $20,250:

(1)	1,700 feet of BX diamond drilling at $8.50/ft.	$14,450.00
(2)	Personal Services - Supervisor Engineer 6 mos. at $600./mo.	3,600.00
(3)	Operating equipment.	300.00
(4)	Core house.	300.00
(5)	Operating materials and supplies	600.00
(6)	Sample analysis, transportation, insurance, etc.	1,000.00
	Total rough estimate	$20,250.00

This compares with the cost of work Stage II recommended in report at $19,900.00.

Enclosed are two copies of memorandum from R. H. Campbell, with which we all agree.

In addition, it has been our experience in material of the type where both recovery of core and sludge are poor that it is difficult to properly interpolate the results. Drilling would probably not add much to the data we already have from surface examination even though core recovery was good, as the ore could very easily be missed in all the drill holes owing to sporadic mineralization. Our proposed work would give us sufficient data on which to base an intelligent appraisal of the property. It would also serve a dual purpose. If ore was discovered, the Operator would start production and be in position to continue exploration on his own account.

S. Ricker

Attachments

RECEIVED MAR 28 1958
DATE | INITIAL | CODE

Mineral Deposits Branch

March 18, 1958

Memorandum

To: DMEA Field Team, Region II

From: R. H. Campbell, geologist, U.S. Geological Survey

Subject: DMEA-4878 (copper)
Archibald Trucking (Partnership)
Grizzly group, et al., claims
Trinity County, California
(March 3, 1958 letter from Operating Committee)

The above-cited letter from the Operating Committee suggests substitution of diamond drilling for underground work in Stage II of the exploration program recommended by the examiners. Although I still believe that the underground work as originally proposed for Stage II would be the most desirable method of exploration, I have outlined below a diamond drilling program which could be substituted for the underground exploration in order that a comparison of costs could be made. A total of 1,700 feet of diamond drill holes would be required to do essentially the same exploration as the proposed underground work. To take advantage of the best ground for drill sites the drill hole collars would all be about 100 feet below the elevation

of the surface exposures of the mineralized fracture zone. At inclinations of 30 degrees from the horizontal the holes would cut the mineralized structure at depths of from 120 to 220 feet below the surface exposures of the mineralized structure. To test the ground adequately the holes should be spaced 80 to 100 feet apart, or slightly less, as the exposed length of the mineralized zone in the existing bulldozer cut is approximately 100 feet. To test the most favorable 500 feet of the mineralized structure would require at least six diamond drill holes at this spacing and seven would probably be better. The probability of caving ground suggests that BX size would be desirable for the drill holes. In addition to the drilling itself, additional bulldozer work to skid equipment in and out of the property (a distance of approximately 2 miles over steep bulldozer trails) and to swamp out seven drill sites should be allowed. The applicant's experience is not sufficient to allow him to do the drilling with a reasonable expectation of significant results. It would be necessary for him to have the drilling done on a contract. This necessity makes the possibility of an even smaller drilling program impractical as it would be very nearly impossible to find a drilling contractor willing to undertake any contract for less than

1,000 feet of drilling. The cost of this possible substitute program will be estimated by the engineer and he will also be requested to add and estimate costs for other miscellaneous items necessary to such a drilling program.

In referring to the proposed Stage II underground work Mr. Martin's letter states that the shallow depth is unsatisfactory and that oxidation may still be present. Although the proposed underground work is at a relatively shallow depth it should be well below the oxidized zone on the mineralized structure as exposures in the creek bottom (fig. 4b) show very little oxidation of the sulfides exposed there, and incomplete oxidation of sulfides along the main mineralized structure in the bulldozer cut (fig. 4a) also indicates that the zone of oxidation is shallow in this area, probably within a few feet of the base of the overburden. This may well be attributed to a generally near-surface position for the water table in the area which receives an extremely heavy rainfall during the winter months. Although deeper exploration might eventually be desirable, the originally proposed Stage II underground work should be at a sufficient depth to show if, and in what manner, the ore-bearing fracture zone continues to depth.

Mr. Martin also points out that drifting on the narrow close-spaced fractures will convey little information on mineralization which may exist in other fractures or disseminated in the serpentine. I would like to point out that the exploration target defined in the examiners' report is an ore-bearing zone of close-spaced fractures within the serpentine and the possible continuation of that ore-bearing zone to depth and along the strike. It is entirely possible that sulfides may be found in other fractures or disseminated in the serpentine, however, such features do not constitute the primary target for exploration and the crosscut adit should give sufficient qualitative, if not quantitative, evidence of the possibilities of other hidden ore bodies parallel or en echelon to that which constitutes the primary target.

Mr. Martin's letter also points out that the originally proposed Stage II underground work would not be adequate to explore a continuity of the mineralized zone that the bulldozer cuts might show to exist between the north and south adit areas. Although surface trenches should be cut to test for this possible continuation northward, the projection of an underground ore body into this area is not warranted by the present surface exposures. Any program to explore such possible continuations at depth, therefore, should be placed into a third stage, if desired at all. It seems to me more

reasonable to start in this area with the most modest program possible that will explore adequately the best target area. If such a modest program is successful consideration should then be given to a more comprehensive program but this could best be accomplished by a new and separate contract.

A further objection to the diamond drilling program is the possibility that the ore along the mineralized zone varies a great deal in grade and that the ore body may be made up of lenticular sulfide-bearing pods of high-grade ore separated by relatively barren ground. Under these circumstances, the results of diamond drilling would have to be evaluated with extreme care so that the information derived from them could be even remotely comparable to the information derived from a drift along the mineralized zone.

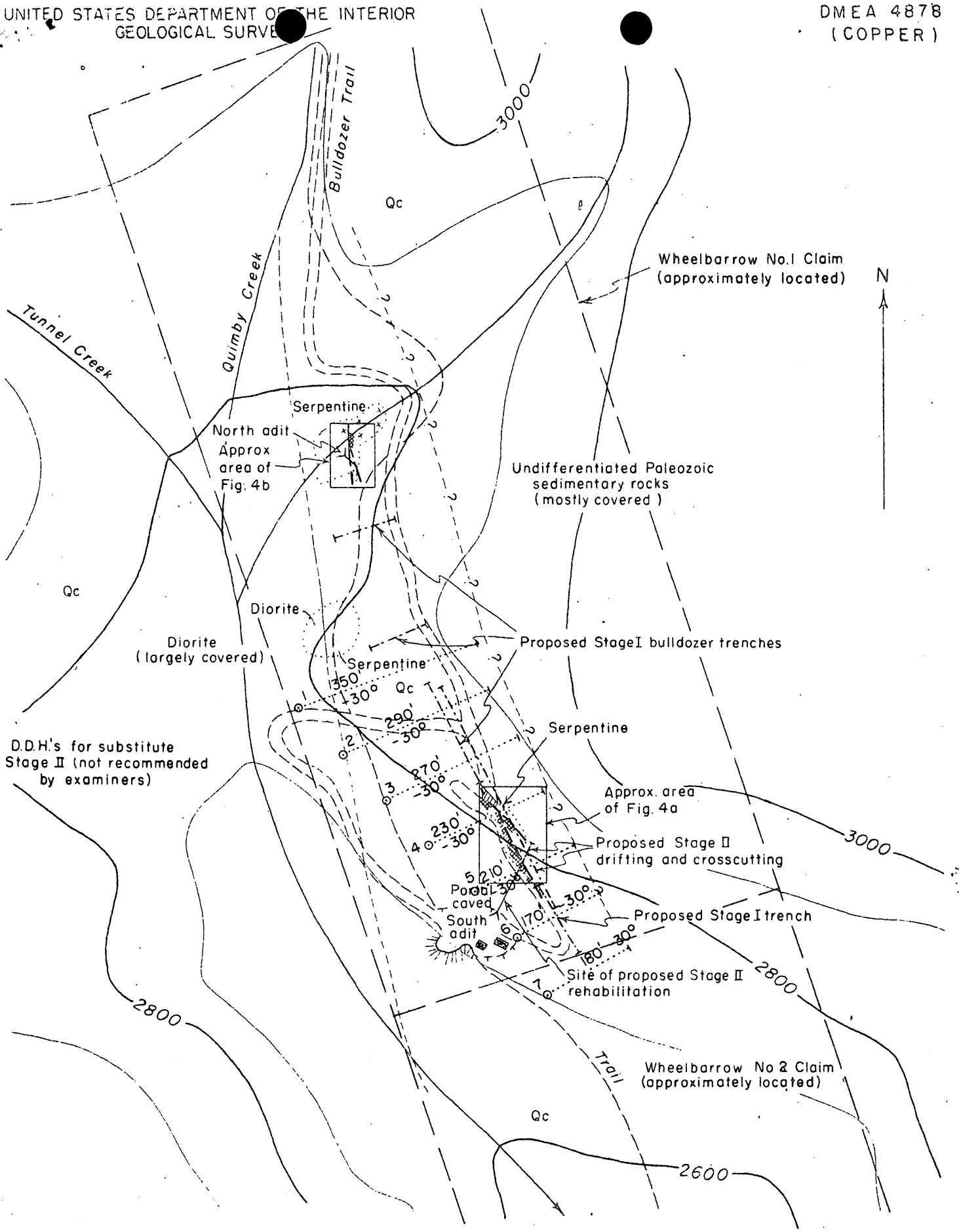

Figure 3. GEOLOGIC SKETCH OF PROSPECTS AT THE WHEELBARROW NO.1 CLAIM
HUMBOLDT COUNTY, CALIFORNIA

0 500 1000 Feet

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DMEA Form 7
(12-66)

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Date	Surname	Code
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3/3	Martin	130
"	Johnson	110
"	Gottenberg	100
		~~HB~~
3/4	C	220
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MAR 3 [illegible]

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

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California

Dear Mr. Ricker:

The cited application is being referred back to the Field Team for further review and consideration. We are not in full accord with the proposed Stage II; the suggested 465 feet of cross-cutting and drifting (mostly at a depth of less than a hundred feet) presents serious drawbacks. The shallow depth is unsatisfactory, oxidation may still be present, and the drifting on the narrow "close-spaced fractures" will convey little information on mineralization which may exist in other fractures or disseminated in the serpentine. Nor would it be adequate to explore any continuity of mineralization which the bulldozer cuts might show to exist between the North and South Adit areas.

It would seem that four or five angle drill holes, from the flat along the course of Quimbly Creek, could interect all or most of the serpentine at a satisfactory depth. Such holes should definitely establish whether or not any significant ore tonnage exists.

We note the objections cited against diamond drilling. Actually neither the terrain nor the overburden should be prohibitive; we have diamond drilling projects where as much as 600 feet of overburden exists. The fracturing in the serpentine could be a problem, though there may be less fracturing at depth; perhaps BX bits might get a reasonable core recovery. In any event, we would be glad to consider any alternatives which you might suggest.

8623

We are enclosing copies of memoranda dated February 24 and 28, 1958, by W. P. Williams, Geological Survey, and A. D. McMahon, Bureau of Mines, respectively, relating to the project.

We are in general accord with the remarks of Mr. McMahon but we believe that the suggested holes should perhaps be a bit deeper, possibly around 300 feet.

Sincerely yours,

W. S. Martin

ACTING Chairman, Operating Committee (HB)

Enclosures

APPROVED:

Frank D. Lamb (HB)

Member, Bureau of Mines

Thor H. Kiilsgaard (HB)

Member, Geological Survey

WRGriswold/er·3/3/58
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron.

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

February 28, 1958

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of application report, Docket No. DMEA 4878 (copper), Archibald Trucking (Partnership), Grizzly Group, et al., Claims, Trinity County, California. $21,260.00

The examiners propose a revised two-stage exploration program consisting of some initial road rehabilitation and repair of 65 feet of old workings; 500 linear feet of bulldozer trenches, 10 feet wide and 6 feet deep; extending a crosscut adit 65 feet and drifting 400 feet along the mineralized zone.

Although the examiners report that heavy overburden, steep terrain and probability of caving ground are reasons for eliminating diamond drilling as the initial mode of exploration, it is believed that the extra work necessary to drill a few well placed shallow (100'-200') holes will prove worthwhile in planning and locating subsequent exploration work. Figure 3 of the report shows the target area along the 2800 contour line and old bulldozer trail and indicates the terrain should not be too steep for clearing a drill site and bulldozing 6 feet of overburden should not present a serious problem in planning drill stations.

It is suggested that the examiners be requested to reconsider the merit of diamond drilling in this instance to determine the continuity and potential value of the mineralized zone.

A. D. McMahon

A. D. McMahon

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
Files

DMEA
RECEIVED FEB 25 1958
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IN REPLY REFER TO:

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

February 24, 1958

Memorandum

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

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

Subject: Review of field examination report, DMEA 4878 (copper) Archibald Trucking, Grizzly claims, Trinity County, Calif.

The examining team are of the opinion that exploratory work on the applicant's property would have a good chance of discovering new copper ore reserves. About 10,000 tons of indicated and inferred ore is present on the property.

The target of the work is a favorable zone of dike-like serpentine at the contact between Paleozoic sediments and a diorite batholith.

The examining team recommend approval of a DMEA contract that would provide for a two-stage project of bulldozer trenching and rehabilitation and extension of an old crosscut adit with some attendant drifting along the structure.

I agree with the recommendation of the field team for approval of the application on the principal grounds that the work would probably be successful in finding new ore deposits.

W. P. Williams

W. P. Williams

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
1605 Evans Avenue
Reno, Nevada

February 14, 1958

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Memorandum

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

From: Executive Officer, DMEA Field Team, Region II

Subject: Docket No. DMEA-4878 (Copper
Archibald Trucking (Partnership)
Grizzly Group, et al., Claims
Trinity County, California
(Your letter, November 25, 1957)

Enclosed are three copies of a report by R. H. Campbell, Geological Survey, and J. D. Warne, Bureau of Mines, on subject property.

Roscoe Smith and I concur in the recommendation that the DMEA should participate in financing an exploration project.

S. Ricker

Attachments

Reviewed by
DMEA OPERATING COMMITTEE
2-21-58
(date)

WASHINGTON, D.C.
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ON-SITE REPORT

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-4878 (Copper)
Archibald Trucking (a partnership)
Grizzly, et al., claims
Humboldt and Trinity Counties, California

by

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

R. H. Campbell
U. S. Geological Survey

February 12, 1958

Reviewed by
DMEA OPERATING COMMITTEE
2-21-58
(date)

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ILLUSTRATIONS

Figure 1 . . . . . Index map

2 . . . . . Geologic map

3 . . . Geologic sketch map, Wheelbarrow No. 1 claim

4 . . Detailed sketches, Wheelbarrow No. 1 prospects

INTRODUCTION

Mr. M. R. Archibald, Sr., Archibald Trucking, P. O. Box 1085, Arcata, California, applied to the Defense Minerals Exploration Administration, docket DMEA-4878, for Government assistance to explore for copper on the Grizzly, et al., claims, Trinity County, California. The applicant wishes to explore a mineralized fracture zone exposed at the surface to determine if a commercial ore body is present. This mineralized zone is on the Wheelbarrow claims, not on the Grizzly No. 1 as reported in the application.

A field examination was requested by the Operating Committee and was made on December 5 and 6, 1957 by J. D. Warne, U. S. Bureau of Mines, and R. H. Campbell, U. S. Geological Survey, accompanied by Messrs. M. R. Archibald, Sr., James Archibald, Wilmer Dartt, and J. X. Murphy, mining engineering consultant.

As the existing maps and assays were inadequate, the examiners mapped and sampled the surface exposures, one prospect adit, and bulldozer cuts.

CONCLUSIONS AND RECOMMENDATIONS

The ore deposit consists of chalcopyrite and associated pyrite in a zone of close-spaced vertical fractures in serpentine. Measured, indicated, and inferred reserves total more than 10,000 tons of ore estimated to contain 5 percent copper or more. The reserves are in a block of ground constituting a target area that could probably be best explored by a two-stage program of bulldozing at the surface to be followed by underground work consisting of crosscutting and drifting at a depth of about 80 feet below the present surface exposures of mineralized ground.

The total cost of the revised program proposed herein is estimated to be $21,450.00. The applicant is agreeable to this program, is financially responsible and is qualified to do the work. We recommend that the revised program be approved for DMEA participation in exploring this property.

LOCATION, ACCESSIBILITY, AND LOCAL FACILITIES

The property is in secs. 6, 7, 17, 18, 20, and 29, T. 7 N., R. 7 E., and in sec. 31, T. 8 N., R. 7 E., H.B.&M., Trinity and Humboldt Counties, California (fig. 1). The main Wheelbarrow and Grizzly groups of claims lie along Quimby Creek in sec. 17,

T. 7 N., R. 7 E., in a steep area which is heavily timbered with Douglas fir, south of Trinity Mountain, within the Trinity National Forest.

From Redding, California, the claims are reached via U. S. Highway 299 westward a distance of 99 miles to Hawkins Bar, then by dirt road northward 24 miles to Grizzly Camp. From Grizzly Camp the claims are traversed by a steep bulldozer trail which follows Quimby Creek southeastward for about two miles. The property may also be reached by a three-mile Trinity National Forest trail leading northwest from the road end at the Index mine, which is about 1.5 miles north of Denny (new Denny), California.

Climate: heavy rainfall and snow above an altitude of 1,500 feet prevents surface operations during winter months.

Labor: available from the Redding area, a distance of about 100 miles.

Water and Electric Power: water for domestic or mine plant use is plentiful on the property. Power must be generated by diesel or gasoline engines.

Mail and Telephone Service: the nearest mail service or telephone is at Hawkins Bar, 24 miles south of Grizzly Camp.

PROPERTY AND OWNERSHIP

Twelve unpatented mining claims are jointly owned by Wilmer Dartt, M. R. Archibald, Sr., M. R. Archibald, Jr., and James Archibald, under a partnership called Archibald Trucking, P. O. Box 1085, Arcata, California.

The nine claims to be included in the project are recorded in the Trinity County Courthouse, Weaverville, California, and the Humboldt County Courthouse, Eureka, California, as follows:

Claim name	Volume	Page	County
Wheelbarrow No. 1	56	150	Trinity
Wheelbarrow No. 2	56	151	Trinity
Wheelbarrow No. 3	56	152	Trinity
Wheelbarrow No. 4	56	153	Trinity
Wheelbarrow No. 5	56	154	Trinity
Wheelbarrow No. 6	56	155	Trinity
Grizzly No. 1	411	111	Humboldt
Grizzly No. 2	411	115	Humboldt
Grizzly No. 3	411	113	Humboldt

All of the proposed work is on the Wheelbarrow No. 1 claim.

Additional claims owned by the applicant to the north of the Grizzly group are recorded in the Humboldt County Courthouse, Eureka, California, but are too distant to be included in the project.

Claim name	Volume	Page
Grandad	414	509
Lipps No. 1	56	388
Lipps No. 2	56	389

HISTORY, DEVELOPMENT, AND PRODUCTION

Prospecting and placer mining began in this area as early as 1889, and by 1895 several lode gold mines were working at the head waters of New River near the hamlet of Denny (old Denny). Prospecting for copper in the area of the Wheelbarrow No. 1 claim is believed to have been done about 1917, when one ton of ore averaging about 22 percent copper was mined and shipped from a shallow adit on a branch of Quimby Creek. Due to the isolated inaccessible location, and heavy overburden, very little mining has been done.

The present owners relocated the claims during the summer of 1957 and a steep bulldozer trail was made southward from Grizzly Camp along Quimby Creek a distance of about 2.5 miles. A single shallow bulldozer cut about 140 feet in length and 20 feet wide was made northwesterly along the strike of a copper mineralized fracture zone on Wheelbarrow No. 1 claim. This cut is about 150 feet north and 80 feet higher in elevation than the portal of a caved adit reported to be approximately 65 feet long. Two adits on the Wheelbarrow No. 1 claim (fig. 3) and several old caved prospect pits were the total previous development or prospecting work done on the property.

GENERAL GEOLOGY

The Grizzly and Wheelbarrow group of claims is aligned in a north-northwesterly direction along the head of Quimby Creek in Trinity County and continuing north-northwest into Humboldt County into an area drained by the headwaters of the east fork of Horse Linto Creek. The line of claims covers a north-northwest trending dike-like body of serpentine that has apparently intruded the contact zone between undifferentiated Paleozoic sedimentary rocks to the east and a batholith or large stock of diorite to the west. Most of the area is covered to extremely variable depths with colluvium, talus, soil, and vegetation, although the relief locally exceeds 2,000 feet in about 3,000 feet horizontally.

The Paleozoic sedimentary rocks have been tilted and are locally slightly metamorphosed. The principal rock types observed were quartzite, limestone, and argillite which is locally banded and phyllitic. Because outcrops are scarce, the general structure is not known but at one or two outcrops the sediments strike north to northwest and dip from vertical to steeply west.

The diorite is commonly medium- to fine-grained but includes many varieties of facies locally ranging from very coarsely porphyritic to very fine-grained and more mafic varieties.

The dike-like body of serpentine at the contact zone ranges from a wedge edge to more than 300 feet thick. It is present in most of the area examined, but locally appears to pinch out for a short distance on the order of 50 to 100 feet long (fig. 2). The serpentine is generally weathered to varying degrees. The serpentine is commonly fractured, in many places intensely, and the chief direction of the strongest fractures is parallel or sub-parallel to the northwesterly trend of the dike. Slickensiding is common, and iron and manganese stains are abundant on fracture surfaces. Magnetite is locally abundant in the serpentine, particularly in the northwest as exposed in prospects on and just north of the Humboldt-Trinity county line (fig. 2).

ORE DEPOSITS

The copper deposits of the area consist of chalcopyrite and abundant associated pyrite and marcasite(?) in fractures in the serpentine and, to a lesser extent, disseminated in serpentine and locally as small, massive sulfide lenticular pods in the serpentine. Chalcopyrite is reported to occur in the sedimentary rocks to the north of the area examined and, at one prospect near the north end

of the southern serpentine body shown on figure 2, chalcopyrite and secondary copper minerals occur along fractures in limestone adjacent to the serpentine.

The area containing the most abundant visible copper minerals is shown on figure 3. In the northern part of that small area serpentine crops out along the stream bed and has been prospected by a short adit at the stream level. In addition to sporadically distributed disseminated chalcopyrite and pyrite in the serpentine there is a small pod of massive sulfide exposed on the south bank of the stream. The lens is approximately two feet thick at its widest. It appears to be not much more than four feet high and is probably less than ten feet long. It is oriented approximately parallel to the main serpentine dike in which it is included. It is composed chiefly of marcasite(?) and pyrite, but sample analyses indicate that it contains 8.25 percent copper and 10.6 percent zinc. Although it is an interesting occurrence, the size is insufficient to be of economic importance.

In the southern part of the area covered by figure 3 bulldozer trenches have exposed a zone of vertical or steeply-dipping, close-spaced fractures in serpentine approximately 90 feet long and ranging from 2 to 8 feet in width. Limonite and secondary copper minerals are locally abundant in the fractures at depths

of a few inches to a few feet below the soil horizon. In deeper parts of the cut chalcopyrite is locally abundant along the fractures locally associated with iron and manganese stains. Covellite(?) appears to be an important constituent in the mineralized areas locally. The fracture zone is not uniformly mineralized, however mineralized areas are generally less than a foot or two apart and some contain as much as 39 percent copper.

SAMPLING

Four samples, shown on figures 2 and 3, were taken from mineralized exposures on the claims, as follows:

Sample No.	Percent Cu	Percent Zn	Ozs./Ton Au	Ozs./Ton Ag	Description
1	0.17	0.4	trace	trace	Specimen chip from mineralized material exposed on trail on Wheelbarrow No. 5 claim.
2	8.25	10.6	0.28	1.80	Four ft. channel cut across mineralized zone at portal of North adit on Quimby Creek, Wheelbarrow No. 1 claim.
3	9.70	0.04	0.02	1.00	Four ft. chip sample across mineralization at north end of bulldozer cut, Wheelbarrow No. 1 claim.
4	39.57	0.2	0.02	1.50	2.8-ft. channel across ore exposure at bottom of south end of bulldozer cut, Wheelbarrow No. 1 claim.

ORE RESERVES

The measured reserves at the Wheelbarrow No. 1 claim consist of a few tons of ore exposed in the bulldozer cut above the South adit (fig. 4-a) and in the massive sulfide lens exposed near the North adit (fig. 4-b), and consists of material estimated to exceed 8 percent copper if sorted or selectively mined. The indicated reserves in exposures at the bulldozer cut (fig. 4-b) consist of approximately 2,500 tons of ore estimated to average at least 5 percent copper in a body approximately 100 feet long, averaging 3 feet wide, and assumed to extend to a depth of 100 feet.

An additional 7,500 tons of ore at the same grade may be inferred if the ore body extends an additional 100 feet along the strike and an additional 100 feet in depth.

EXPLORATION

The applicant proposed a program including road building and diamond drilling at a total cost of approximately $40,000. The amount requested for road building was much too high in proportion to the amount of proposed physical exploration of the mineralized area, and the existing bulldozer trail would require only minor rehabilitation to provide access for the men and equipment necessary to do the exploration work. This was pointed

out to the applicant prior to the examination and he expressed an intent to build additional roads at his own expense. The area the applicant proposed to explore is on the Wheelbarrow No. 1 claim and contains the best exposures of mineralized ground in the area.

During the examination, in conference with the applicants, the original proposed program was revised to a program of surface trenching to further expose the mineralized zone, and crosscutting and drifting from the existing South adit. Heavy overburden, steep terrain, and the probability of caving ground are reasons for eliminating diamond drilling as the initial mode of exploration.

Two stages of exploration are proposed:

Stage I should consist of four bulldozer trenches located approximately as indicated on figure 3 and totaling 500 linear feet. The purpose of the trenching is to explore for continuations of the mineralized zone exposed in the bulldozer cut at the South adit, and to examine the ground between the South adit and the massive sulfide lens exposed further north for a possible continuation of structure and ore between them. Additional sampling along the mineralized zone should be done to determine as closely as possible an average grade of ore for a mining width.

Under Stage I sufficient rehabilitation of the existing 2.5-mile bulldozer trail should be allowed so that equipment may be moved to the exploration site. While the bulldozer is on the ground to do the trenching it should also be employed to reopen the portal of the South adit.

Stage II should be contingent upon the results of Stage I and subject to the prior approval of the Government. It should consist of rehabilitating the workings of the South crosscut adit which is reported to be approximately 65 feet long. An additional 65 feet of crosscutting should be adequate to cut into and through the downward projection of the mineralized zone and expose its full thickness at the adit level. Drifting on the mineralized zone for a total linear distance of 400 feet, approximately 300 feet to the north-northwest, and approximately 100 feet south-southeast of the point where the crosscut adit intersects the mineralized fracture zone, should be sufficient to explore the ore-bearing structure at that depth. The portal of the adit to be used in the Stage II underground work is 80 to 95 feet below the elevation of the present surface exposures.

The project can be completed within an estimated minimum time of about eight months; however a period of ten months should be allowed to complete the work. Some delays are anticipated owing

to inclement weather during fall and winter and the isolated location of the project. The applicant has obtained permission from the U. S. Forest Service to construct a four-mile access road, at his own expense, to the property from the vicinity of Denny, but this road may not be finished soon enough for use in connection with the exploration program.

EXPLORATION COSTS

Stage I--repair approximately 2.5 miles of existing bulldozer trail from Grizzly Camp to the Wheelbarrow No. 1 claim, and trench with a bulldozer a total of 500 feet along and across the mineralized structure on the Wheelbarrow No. 1 claim. Trenches should be approximately 10 feet wide and 6 feet deep, for a total of 1,111 cubic yards, with some blasting and hand labor required.

1. Bulldozer trenching

Bulldozing, 4 days @ $125.00/day	$500.00
Labor and Supervision, 4 days @ $40.00/day	160.00
Explosives, transportation, etc., 4 days @ $25.00/day	100.00
Pneumatic and hand tools, rental	100.00

Miscellaneous:
50 samples, to be analyzed for copper, zinc, gold, and silver, @ $5.00/ea. $250.00

Total cost of trenching $1,110.00

2. Initial Rehabilitation

Repair of 2.5 miles of existing bulldozer trail from Grizzly Camp to Wheelbarrow No. 1 claim, 2 days @ $125.00/day $250.00

Total rehabilitation cost . . . . . $ 250.00

Total estimated cost of Stage I $1,360.00

Stage II--rehabilitate approximately 65 feet of old workings, crosscut 65 feet northeastward to extend the South adit, and drift a total of 400 feet along the mineralized zone, minimum dimensions inside timber 4 feet by 6.5 feet, 3.0 feet average progress. Time--155 shifts, or 7 months, plus 1 month preparatory time. Total--8 months.

1. Independent Contracts

None $ 0.00

2. Labor and Supervision

3 men, including mine leader, each @ $20.00/shift, 155 shifts @ $60.00 $9,300.00

Total Labor and Supervision $9,300.00

3. Operating Materials and Supplies

500 ft. of 2-inch air, 1-inch water pipe, including fittings, @ $1.15/ft. $ 575.00

Explosives, 465 ft. @ $3.15/ft. 1,464.75

Fuel, 465 ft. @ $1.10/ft. 511.50

Drill steel and bits, 465 ft. @ $0.50/ft.	$232.50	
Miscellaneous hand and pneumatic tools and supplies, 465 ft. @ $1.00/ft.	465.00	
Total Operating Materials and Supplies		$3,597.50

4. Operating Equipment

to be furnished by operator on a rental basis: 1 compressor, 2 mine cars, 1 jack hammer and auxilliary pneumatic equipment, 1 blower, 1 air receiver, 1 pickup, and miscellaneous hand and pneumatic tools...estimated value $10,500.

5 yrs. depreciation on $10,500 = $175.00/mo. 8 months @ $175.00/mo.		$1,400.00

5. Initial Rehabilitation

Rehabilitate 65 ft. existing crosscut adit, including timbering, @ $10.00/ft.	$650.00	
Total Initial Rehabilitation		$ 650.00

6. New Buildings, Improvements, etc.

Construct one 8 ft. by 10 ft. combination tool and change house	$400.00	
Total New Buildings, Improvements, etc.		$ 400.00

7. Miscellaneous

50 samples, to be analyzed for copper, zinc, gold, and silver, @ $5.00/ea.	$250.00	
Payroll taxes, insurance, etc. 12.5 percent of $9,300.00	1,162.50	
Transportation of men and supplies, 8 mos. @ $37.50/mo.	300.00	

Timbering drifts and crosscuts, as required, 465 ft. @ $6.00/ft.	$2,790.00	
Total Miscellaneous		$4,502.50
Total estimated cost of Stage II		$19,850.00

Summary of Unit Costs

Stage I

(a) Bulldozer trenching 4 days @ $215.00/day	$ 860.00	
Sample analyses, 50 @ $5.00/ea.	250.00	
(b) Rehabilitation of bulldozer trail	250.00	
Total, Stage I		$1,360.00

Stage II

(a) Rehabilitating existing adit, 65 ft. @ $10.00/ft.		$ 650.00
(b) Construction of 8 ft. by 10 ft. tool shed and change house		400.00
(c) Sample analyses, 50 @ $5.00/ea.		250.00
(d) Drifting and Crosscutting		
Labor and Supervision	$9,300.00	
Operating Materials and Supplies	3,597.50	
Operating Equipment	1,400.00	
Miscellaneous	1,462.50	
	$15,760.00	
Total: 465 ft. @ $34.00/ft. (rounded)		$15,810.00
(e) Timbering drifts and crosscuts, as required, 465 ft. @ $6.00/ft.	$2,790.00	
Total timbering cost		$2,790.00
Total, Stage II		$19,900.00

Total estimated cost of the project	$21,260.00
Government participation at 50 percent	$10,630.00
Contract period (recommended) . . . . . 10 months	

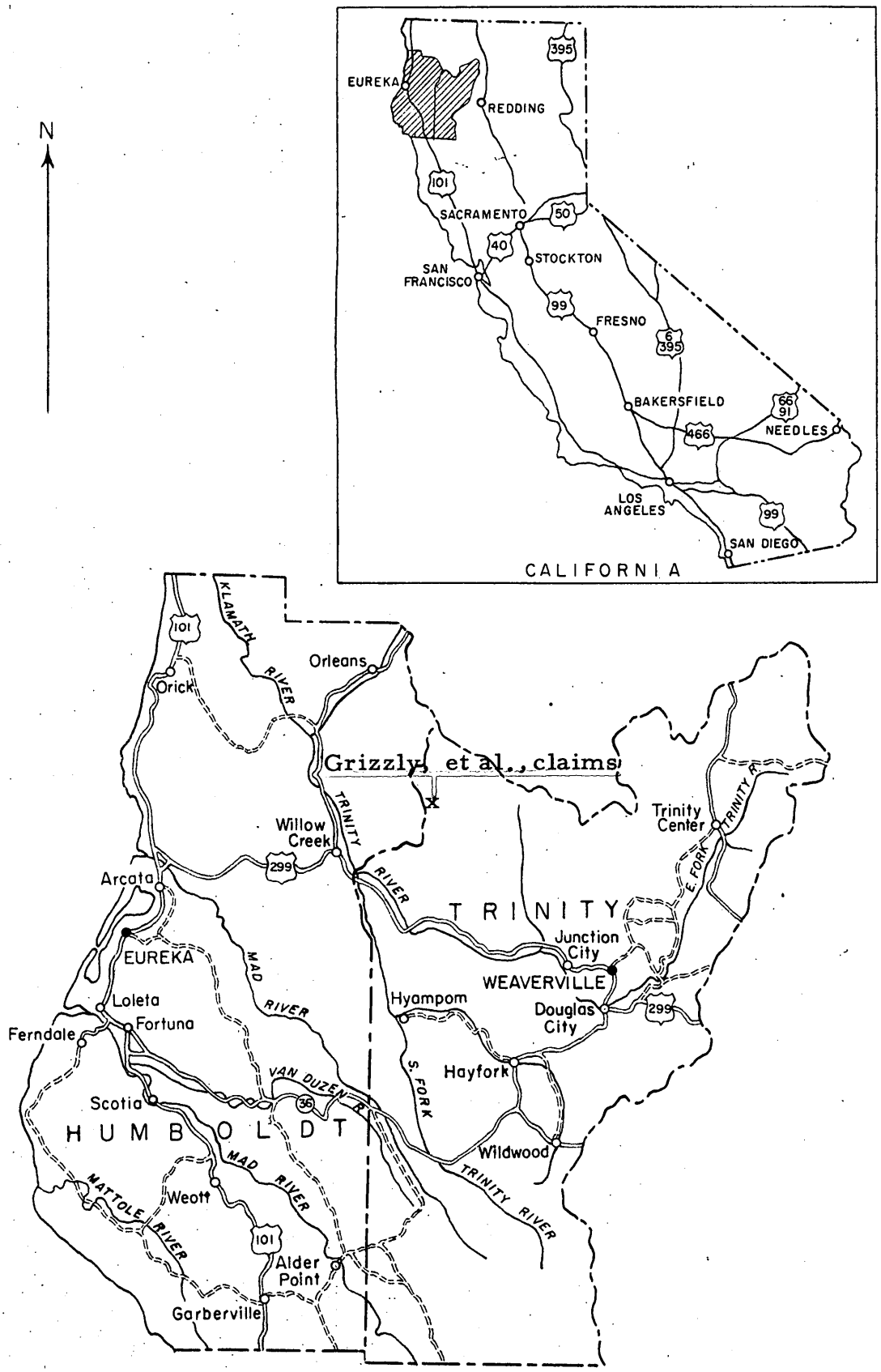

Figure 1. INDEX MAP OF HUMBOLDT AND TRINITY COUNTIES, CALIFORNIA

0 20 40 60 Miles

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DMEA
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DATE	[illegible]	CODE

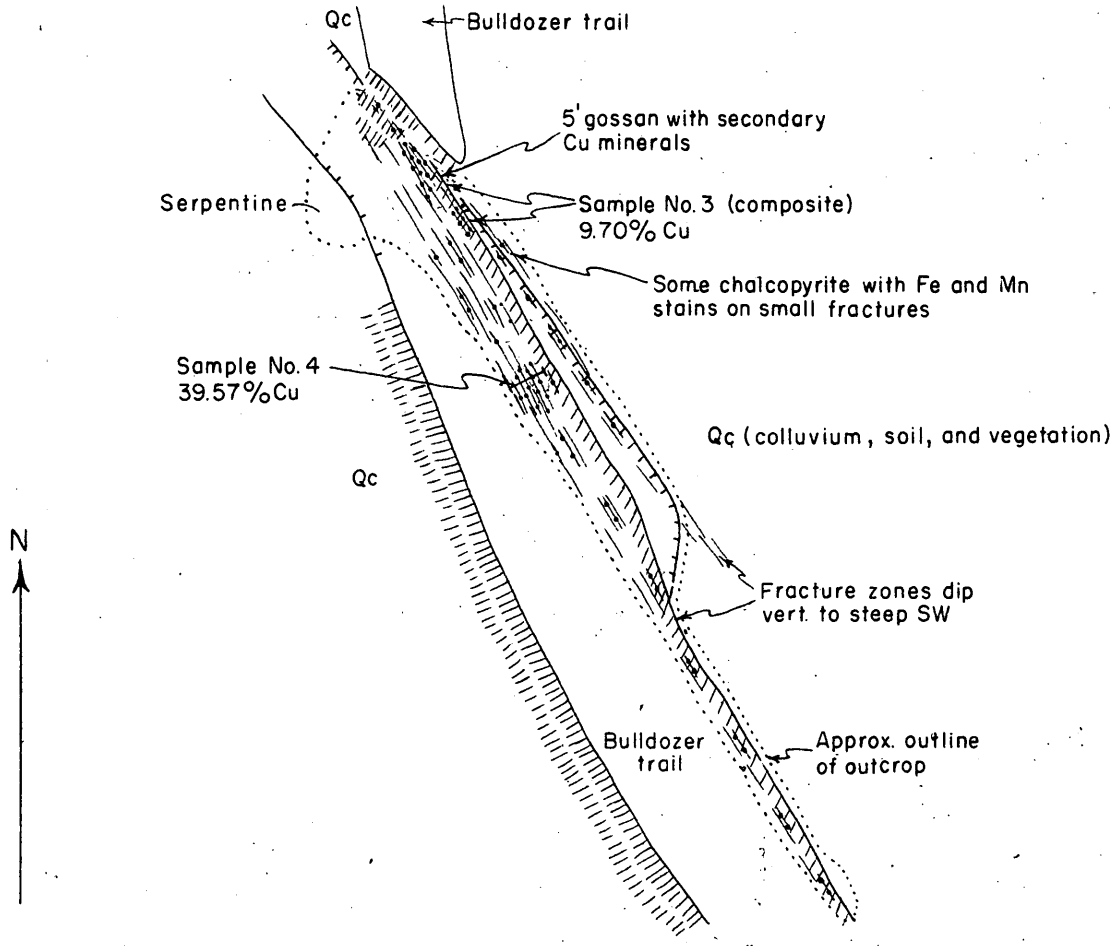

Figure 4a

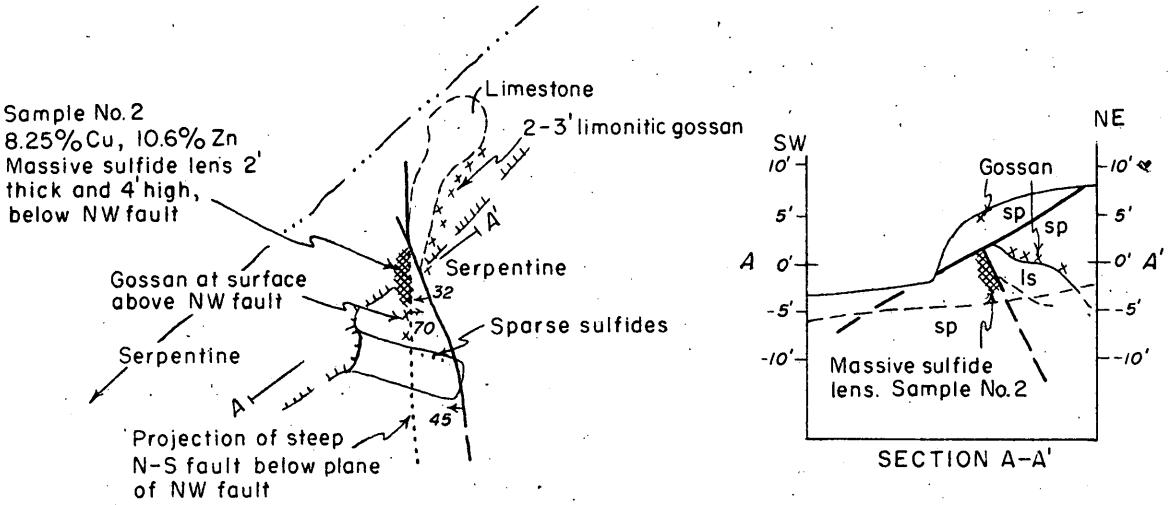

Figure 4b

Figure 4. DETAILED SKETCHES AT WHEELBARROW NO. 1 PROSPECTS
HUMBOLDT COUNTY, CALIFORNIA

0 20 40 60 Feet

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A5

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/22	[illegible]	500
11/25	[illegible]	130
11/25	[illegible]	130
11/25	[illegible]	130
"	[illegible]	110
	[illegible]	100
		~~HB~~
11/26	[illegible]	220
		500

NOV 25 1957

Mr. M. R. Archibald
Archibald Trucking
Post Office Box 1085
Arcata, California

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al, Claims
Trinity County, California

Dear Mr. Archibald:

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

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

If additional information concerning your application is needed, the Field Team will get in touch with you at an early date.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

WRGriswold/er 11/22/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Region II (2)
Chron.

8623

DMEA Form 7
(12-56)

OFFICIAL FILE COPY

Date	Surname	Code
11/22	Friend	500
11/25	GCS	130
"	[illegible]	110
[illegible]	[illegible]	100
		HB
11/26	gb	220
		500

500

NOV 25 1957

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

Re: Docket No. DMEA-4878 (Copper)
Archibald Trucking (Partnership)
Grizzly Group, et al, Claims
Trinity County, California

Dear Mr. Ricker:

The cited application is being referred to your office for consideration, a field examination of the property if warranted, and recommendations. Copies of memoranda dated November 20 and 21, 1957, by N. E. Nelson, Geological Survey, and A. D. McMahon, Bureau of Mines, respectively, relating to the project, are enclosed for your information.

In case the Field Team might view the project favorably the proposed program and costs would require drastic revision. The suggested road construction would be out of the question, nor would it be necessary in order to accomplish the small amount of work contemplated at the property. Likewise, all of the other listed costs appear to be out of line.

We are enclosing an extra copy of the application for the Field Team use.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee (GCS)

Enclosures
APPROVED:

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

Thor H. Kiilsgaard (GCS)
Member, Geological Survey

WRGriswold/er 11/22/57
Copy to: Docket
Admr R File
Op. Committee
Mr. McMahon, USBM
Mr. Kiilsgaard, USGS
Chron.

8623

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

November 21, 1957

Memorandum

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

From: Commodity Specialist, Branch of Base Metals

Subject: Review of Application, Docket No. DMEA-4878 (copper), M. R. Archibald, Grandad, Wheelbarrow et al claims, Trinity County, California. $43,815.00.

The applicant seeks Government assistance in an exploration program consisting of 4 miles of road construction, 2,000 feet of diamond drilling and 65 feet of crosscutting. The purpose of the proposed project is to determine continuity of ore which allegedly shows at several locations.

It is noted that $23,232.00 or 53 percent of the estimated total project expenditure is for road construction. This appears to be an excessive amount for preparatory work for the exploration operations involved.

Referral of the application to the Field Team for appropriate action is recommended.

A. D. McMahon

A. D. McMahon

Attachment

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U. S. G. S.
F. D. Lamb
F i l e s

ORIGINAL FILE COPY
DMEA
RECEIVED NOV 21 1957
DATE | INITIALS | CODE
11-21 | C | 220
500

IN REPLY REFER TO:

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DMEA
RECEIVED NOV 21 1957

DATE	INITIALS	CODE
11/21	C	220
		500

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

November 20, 1957
Re: DMEA 4878
Archibald-Dart Claims
Trinity County, Calif.
$43,815 - Copper

Memorandum

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

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

Subject: Review of application

The applicant requests assistance in exploring a copper-bearing zone about which little or no information is given, by 2,000 feet of diamond drilling, at 3 stations. The drilling is to be preceded by 4 miles of road work, the estimated cost of which is $23,232. That such preliminary work is warranted is not now apparent.

Referral of the application to the Field Team is recommended.

N. E. Nelson

N. E. Nelson

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

November 19, 1957

Mr. M. R. Archibald
P. O. Box 1085
Arcata, California

Dear Mr. Archibald:

Subject: DMEA-4878

Your application for exploration assistance, dated November 11, 1957 submitted to our office at Reno, Nevada has been assigned Docket Number DMEA-4878 and referred to the Base Metals Division in the Washington office. Kindly identify all future correspondence relating to your application by this Docket Number.

Sincerely yours,

Allen S. Dakan, Director
Operations Control and
Statistics Division

Copy to:

Region II

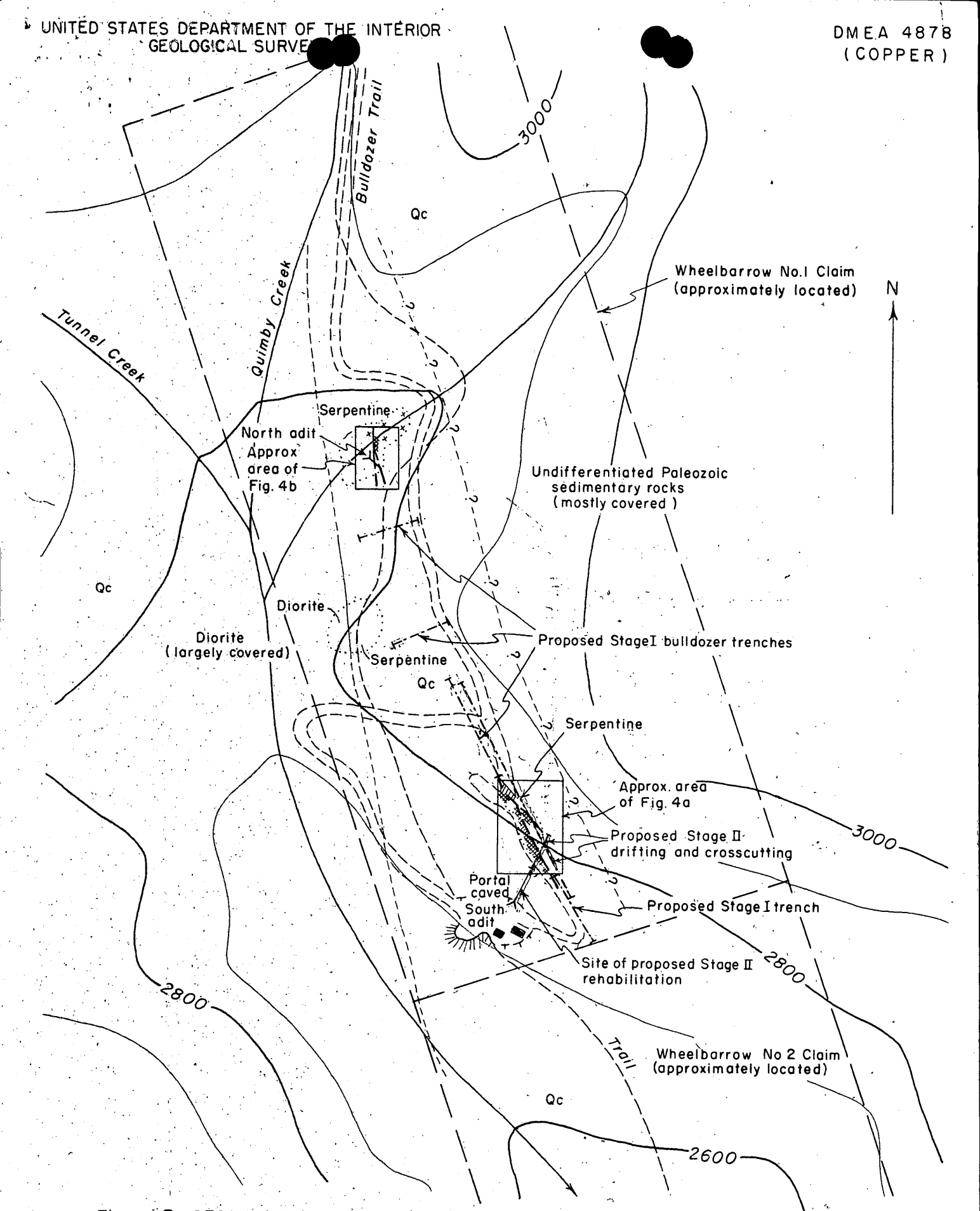

Figure 3. GEOLOGIC SKETCH OF PROSPECTS AT THE WHEELBARROW NO.I CLAIM
HUMBOLDT COUNTY, CALIFORNIA

0 500 1000 Feet

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DATE	NUMBER	CODE