MME Form 9
Rev. Nov. 65

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey

OFFICIAL DOCKET FILE

Contract No. 2305 Docket No. 6850

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] 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:

Left Side

- [ ] Royalty Audits
- [ ] Certification of Discovery
- [ ] Closing Letter
- [ ] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [x] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] 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 Semiannual 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
- [ ] On-site Exam. Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No._____: Reports
- [ ] Analysis of Semiannual Inspection Reports
- [ ] Project Summary (Interim) by MME Engineers

Right Side

- [ ] Field Team Semiannual 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

72195-65

Government's copy

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-6850

AMENDMENT NO. 2

It is agreed this 28th day of December, 1973, between the United States of America, acting through the Department of the Interior, U.S. Geological Survey, hereinafter called the "Government", and The Alaskamin Company, hereinafter called the "Operator", that Exploration Contract 2305 (OME-6850), dated July 25, 1972, as amended December 14, 1972, is further amended effective September 15, 1973, as follows:

1. The date fixed by Article I(a) of the Contract for completion of the work is extended from eighteen (18) months to thirty (30) months from the date of the Contract, or until January 25, 1975.

2. (a) Work under the Contract may be suspended during the period beginning September 15, 1973, and ending no later than June 1, 1974.

(b) The Government shall not contribute to any costs incurred during the period of suspension.

(c) The Government shall not contribute to or be liable for any costs of rehabilitation or repair or any other costs which might not have occurred if there had been no suspension of work, or which may arise out of this suspension.

(d) The Operator, at its own expense, and without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for the payment of royalty set forth in Article 6(b)(2) of the Contract and for the lien to secure payment thereof set forth in Article 6(e) of the Contract is extended from twelve (12) to thirteen (13) years from the date of the Contract or until July 25, 1985.

4. It is the essence of the Contract that the work under the Contract be resumed on or before the end of the period of suspension. If the work is not resumed in the manner required by the Contract on or before June 1, 1974, the provisions of Article 7(b) of the Contract respecting written notice of default by the Government and a reasonable time within which to cure the default are hereby waived by the Operator and the following provisions shall thereupon become immediately effective:

(a) The Contract and all obligations of the parties thereunder, except as otherwise provided herein, shall be and are hereby terminated effective September 15, 1973.

(b) The Government will contribute only to the allowable costs incurred prior to September 15, 1973.

(c) The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

(d) 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 the royalty on production provided for in the Contract in the same manner and amount and for the same period as if certification of possible production had been made by the Government pursuant to Article 6 of the Contract, such certification being hereby waived by the Operator. In addition, all rights of the Government provided for in the Contract with respect to certification of possible production, royalties on production and liens to secure the payments thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayments are hereby preserved.

(e) The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of the Contract, except as otherwise provided for in this Amendment No. 2.

5. This amendment shall not be construed to increase the estimated cost of the Contract, the aggregate amount which the Government may be required to contribute, the amount of any item designated as maximum, nor the fixed unit cost of any item of work.

6. Except as herein amended, Exploration Contract 2305 (OME-6850), dated July 25, 1972, shall remain in full force and effect.

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Harold Kirkemo
Chief, Office of Minerals Exploration
U.S. Geological Survey

THE ALASKAMIN COMPANY

By [illegible]
Title Sect/Treasurer

Ferguson 12/26/73
Appd. Sol. Office
[redacted] Office

Government's copy

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-6850

AMENDMENT NO. 1

It is agreed this 14th day of December, 1972, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and The Alaskamin Company, hereinafter called the "Operator," that Exploration Contract 2305 (OME-6850), dated July 25, 1972, is amended, effective September 1, 1972, as follows:

1. The date fixed by Article I(a) of the Contract for completion of the work is extended from six (6) months to eighteen (18) months from the date of the Contract, or until January 25, 1974.

2.(a) Work under the Contract may be suspended during the period beginning September 15, 1972, and ending no later than July 1, 1973.

(b) The Government shall not contribute to any costs incurred during the period of suspension.

(c) The Government shall not contribute to or be liable for any costs of rehabilitation or repair or any other costs which might not have occurred if there had been no suspension of work, or which may arise out of this suspension.

(d) The Operator, at its own expense, and without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for the payment of royalty set forth in Article 6(b)(2) of the Contract and for the lien to secure payment thereof set forth in Article 6(e) of the Contract is extended from ten (10) to twelve (12) years from the date of the Contract.

This amendment shall not be construed to increase the estimated cost of the Contract, the aggregate amount which the Government may be required to contribute, the amount of any item designated as maximum, nor the fixed unit cost of any item of work.

Government's copy

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-6850

AMENDMENT NO. 1

It is agreed this 14th day of December, 1972, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," that Exploration Contract 2305 (OME-6850), dated July 25, 1972, is amended, effective September 1, 1972, as follows:

1. The date fixed by Article I(a) of the Contract for completion of the work is extended from six (6) months to eighteen (18) months from the date of the Contract, or until January 25, 1974.

2.(a) Work under the Contract may be suspended during the period beginning September 15, 1972, and ending no later than July 1, 1973.

(b) The Government shall not contribute to any costs incurred during the period of suspension.

(c) The Government shall not contribute to or be liable for any costs of rehabilitation or repair or any other costs which might not have occurred if there had been no suspension of work, or which may arise out of this suspension.

(d) The Operator, at its own expense, and without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for the payment of royalty set forth in Article 6(b)(2) of the Contract and for the lien to secure payment thereof set forth in Article 6(e) of the Contract is extended from ten (10) to twelve (12) years from the date of the Contract.

This amendment shall not be construed to increase the estimated cost of the Contract, the aggregate amount which the Government may be required to contribute, the amount of any item designated as maximum, nor the fixed unit cost of any item of work.

4. Except as herein amended, Exploration Contract 2305 (OME-6850), dated July 25, 1972, shall remain in full force and effect.

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Harold Kirkemo
Chief, Office of Minerals Exploration
U. S. Geological Survey

THE ALASKAMIN COMPANY

By Bernard L. Gabrielson
Title President

12/13/72 Martin
Chairman 12/13/72
Appd. Sol. Office
Weeks 12/14/72

Government's copy

MME Form 51
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. Geological Survey

EXPLORATION CONTRACT
(Short Form)

Docket	Commodity	Contract No.	County	State
OME-6850	Silver	[illegible]	McGrath Quadrangle	Alaska

It is agreed JUL 25 1972 (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

The Alaskamin Company

whose mailing address is P. O. Box 1387, San Carlos, California 94070, hereinafter called the "Operator," as follows:

ARTICLE I. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before JUL 25 1972 (Date), and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 6 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 work is $89,420.00. The Government will contribute 25 and 75 percent of the total fixed unit costs of the work performed, not in excess of $45,315.00 in accordance with the provisions of Articles 4 and 5.

(c) Interest computation.--Simple interest at the rate of 8 percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

(d) 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 rights in land.--(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 right 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:

See Annex I

(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 Lien Agreement 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, or 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 royalty on production and liens for the payment thereof. Two true 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, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws 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 production operations during the period that royalty is payable to the Government. 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. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. To the extent that amounts in excess of fixed unit costs or in excess of the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such amounts 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) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; 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 three copies of a final report (in addition to the final monthly report). 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 royalty relates, such as two copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that 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 preparation or completion of same 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 mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, 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 (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" 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.

(2) 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.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used 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, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used 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) Lien for payment.--To secure the payment of royalty (see Article 6(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer 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 Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 7. Termination of the Government's Obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to pay on account of units of work not then performed; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is 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:

(1) the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

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 royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 11.

ARTICLE 8. Notices to be given by the Government may be delivered to the Operator or may be sent by certified mail addressed to the Operator at his 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. Nondiscrimination in Employment.--The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961, as amended and supplemented, are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 11. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U. S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 12. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 13. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 14. Changes and added provisions.--

Executed in ~~xxxxxxxxxx~~ quadruplicate the day and year first above written.

THE ALASKAMIN COMPANY
(Operator)

By Bernard L. Gabrielsen

Title President

THE UNITED STATES OF AMERICA

By O. E. McKelvy
Director, Geological Survey

I, Chuck Wilton (Name), certify that I am the Treasurer/ secretary of the corporation named as Operator herein; that Bernard L. Gabrielsen (Name), who signed this contract on behalf of the Operator, was then President (Title) 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.

7/18/72 Martin
Granb 7/19/72
App'd Sol. Off.
Wheeler 7/21/72
Crosbal 7/21
Ramp 7/24

FROM SOLICITOR
JUL 19 1972
FOR SIGNATURE

Chuck Wilton
Sec/Treas
8/25/72

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY

OME-6850

ANNEX I

The land, including all rights, thereto, referred to in Article 2 of the contract consists of nine (9) unpatented lode mining claims in sections 8 and 9, T. 24 N., R. 24 W, Seward B & M, McGrath (A-2) Quadrangle, Alaska. These claims are shown on Figure 1, entitled "Claim map showing route of proposed access road from Alaskamin base camp and airstrip to Claim Alpha 31;" which is attached and made part hereof.

The claims are recorded in the official records of the Mt. McKinley Recording District at McGrath, Alaska, as follows:

Name	Book	Page
Alpha 23	3	304
" 24	3	305
" 25	3	306
" 30	3	311
" 31	3	312
" 32	3	313
" 37	3	318
" 38	3	319
" 39	3	320

The Operator is in possession of these claims by right of location.

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-6850

EXHIBIT A

The purpose of the project is to explore by underground drifting, crosscutting and long-hole drilling for silver-bearing ore bodies in and along strata, faults, and contact zones in Paleozoic sedimentary rocks and in igneous rocks.

General Provisions

Bulldozers no smaller than Caterpillar D-6 or equivalent units of any other make shall be used for constructing an access road and leveling a tunnel portal site.

All drifts and crosscuts shall be not less than 5 by 7 feet in cross section and shall be timbered or rock bolted as necessary. Mine timbers shall be standard 8 - by 8 - inch drift sets or equivalent sound timber. Rock bolts shall be not less than 6 feet long.

Mine rails shall be not less than 12 - pound size, air line not less than 2 - inch diameter, water lines not less than 1 - inch diameter, and vent lines not less than 8 - inch diameter.

All significantly mineralized areas exposed in the underground exploratory workings shall be sampled. A representative bulk sample shall be collected from each round broken in mineralized rock. Channel samples shall be cut normal to the trends of the deposit at intervals not exceeding 5 feet. Significantly mineralized cuttings from the long-holes shall be sampled with no single sample representing more than 5 linear feet of hole.

All samples from whatever source shall be split as necessary and one split assayed for silver, lead, zinc, and copper. The Operator shall store one split of each sample in a suitable container properly identified as to source and location for Government inspection and possible use. With prior Government approval, the Operator may dispose of the stored samples.

True copies of assay certificates and maps and sketches showing the work completed, the location, width, and assay value of samples, and the geological formations and structures traversed by the workings shall be furnished monthly to the Government.

No exploratory work under this contract shall be performed within 100 feet of the outer boundaries of the property.

The Operator shall provide such supervision, labor, and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to Government approval.

The work shall be divided into two stages. The Operator shall complete the access road to the portal site and prepare the portal site in Stage I. All underground work including drifting, crosscutting, long-hole drilling, and sampling shall be done in Stage II.

Upon completion of the work, the Operator shall restore to its approximate original condition any land surface where land use has been impaired by the project work.

Description of the Work

Stage I

The Operator shall construct an access road suitable for travel by 4-wheel drive vehicles from the Operator's Alpha 3d mining claim to the site of a tunnel portal on the Alpha 31 mining claim as shown on Figure 1. The approximate length of the road is 4.7 miles on a grade of about 10 percent.

A portal site shall be prepared on the Alpha 31 claim.

Stage II

From the portal site on Alpha 31 claim, the Operator shall drive a drift approximately S.50°W. approximately 200 feet.

From each of two sites approximately 100 feet apart within the drift, the Operator shall drill no more than eight long-holes at right angles to the drift, each approximately 100 feet long.

The approximate locations of the drift and drill sites are shown in red on Figure 2 entitled "Alaskamin Property. Alpha 31 Claim. Plan of proposed adit and exploration drill holes," which is attached and made part hereof.

Estimated Costs of the Work

Stage I

Fixed Unit Costs

Construct access road from base camp to portal site on Alpha 31 claim, and prepare portal site. One job.	$43,500.00	
Total Estimated Fixed Unit Costs, Stage I		$43,500.00
Government Participation at 25 percent		$10,875.00

Stage II

1/ 2/

Fixed Unit Costs

Mobilize, demobilize mining equipment at $3,255.00/move	$ 6,510.00	
Drifting, including timbering or rock bolting 200 feet at $120.00/ft.	24,000.00	
Long-hole drilling, 1,400 feet at $5.00/ft.	7,000.00	
1 Supervisor-geologist-engineer, 4 months at $1,000.00/month	4,000.00	
1 Sample splitter	40.00	
Sample sacks, canvas, 540 at $0.50 each	270.00	
Transportation of samples, 3,000 lb. at published rates to destination e.g., $23.27/100 lb. to Salt Lake City, Utah.	700.00	
Assaying for silver, lead, zinc, copper, 300 samples at $10.00/sample	3,000.00	
Office and accounting services, including supplies, telephone, printing, and postage, 4 months at $100.00/month	400.00	
Total Estimated Fixed Unit Costs, Stage II		$45,920.00
Government Participation at 75 percent		$34,440.00

S U M M A R Y

Total Estimated Cost of Stage I	$43,500.00
Government Participation at 25 percent	$10,875.00
Total Estimated Cost of Stage II	$45,920.00
Government Participation at 75 percent	$34,440.00
Total Estimated Cost of Project	$89,420.00
Total Government Participation	$45,315.00

1/ Includes all costs whatsoever including equipment, supplies and materials, labor, taxes and insurance, depreciation, equipment rental and repair.

2/ The Government retains no equity in any of the equipment or materials used.

EXHIBIT B

EQUAL OPPORTUNITY CLAUSE (FEDERALLY ASSISTED CONSTRUCTION)

EQUAL OPPORTUNITY (APPLICANT)

(a) The applicant hereby agrees to incorporate, or cause to be incorporated, into any contract for construction work, or modification thereof, as defined in the rules and regulations of the Secretary of Labor at 41 CFR, Chapter 60, which is paid for, in whole or in part, with funds obtained from the Federal Government or borrowed on the credit of the Federal Government pursuant to grant, contract, loan, insurance, or guarantee, or undertaken pursuant to any Federal program involving such grant, contract, loan, insurance, or guarantee, the following Equal Opportunity (Federally Assisted Construction) clause:

EQUAL OPPORTUNITY [1] (FEDERALLY ASSISTED CONSTRUCTION)

During the performance of this contract, the Contractor agrees as follows:

(a) The Contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this Equal Opportunity (Federally Assisted Construction) clause.

(b) The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

(c) The Contractor will send to each labor union or representative of workers, with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(d) The Contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(e) The Contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(f) In the event of the Contractor's noncompliance with the Equal Opportunity (Federally Assisted Construction) clause of this contract or with any of the said rules, regulations, or orders, this contract may be canceled, terminated, or suspended, in whole or in part, and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as provided by law.

(g) The Contractor will include this Equal Opportunity (Federally Assisted Construction) clause in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: *Provided, however,* That in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency the Contractor may request the United States to enter into such litigation to protect the interests of the United States.

(b) The applicant further agrees that it will be bound by the above Equal Opportunity (Federally Assisted Construction) clause with respect to its own employment practices when it participates in federally assisted construction work: *Provided, however,* That if the applicant so participating is a State or local government, the above Equal Opportunity (Federally Assisted Construction) clause is not applicable to any agency, instrumentality, or subdivision of such government which does not participate in work on or under the contract.

(c) The applicant agrees that it will assist and cooperate actively with the administering agency and the Secretary of Labor in obtaining the compliance of Contractors and subcontractors with the Equal Opportunity (Federally Assisted Construction) clause and the rules, regulations, and relevant orders of the Secretary of Labor, that it will furnish the administering agency and the Secretary of Labor such information as they may require for the supervision of such compliance, and that it will otherwise assist the administering agency in the discharge of the agency's primary responsibility for securing compliance.

(d) The applicant further agrees that it will refrain from entering into any contract or contract modification subject to Executive Order No. 11246 of September 24, 1965, with a Contractor debarred from, or who has not demonstrated eligibility for, Government contracts and Federally assisted construction contracts pursuant to the Executive order and will carry out such sanctions and penalties for violation of the Equal Opportunity (Federally Assisted Construction) clause as may be imposed upon Contractors and subcontractors by the administering agency or the Secretary of Labor pursuant to Part II, Subpart D, of the Executive order. In addition, the applicant agrees that if it fails or refuses to comply with these undertakings the administering agency may take any or all of the following actions: Cancel, terminate, or suspend, in whole or in part, this grant [contract, loan, insurance, guarantee]; refrain from extending any further assistance to the applicant under the program with respect to which its failure or refusal occurred until satisfactory assurance of future compliance has been received from such applicant; and refer the case to the Department of Justice for appropriate legal proceedings.

---

[1] On and after Oct. 14, 1968, the term "race, color, religion, sex, or national origin" is substituted for the term "race, creed, color, or national origin," as provided by Executive Order No. 11375, Oct. 13, 1967 (32 F.R. 14303).

EXHIBIT C

CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding $10,000 which are not exempt from the Equal Opportunity clause.)

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certifications in his files.

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

ORR ENGINEERING & CHEMICAL CO

Signature

James M. [illegible] Pres

Title

7/2/72

Date

EXHIBIT C

Scott

CERTIFICATION OF NONSEGREGATED FACILITIES

(Applicable to federally assisted construction contracts and related subcontracts exceeding $10,000 which are not exempt from the Equal Opportunity clause.)

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding $10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certifications in his files.

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

SCOTT ENTERPRISE
Scott Hoskins
Signature

OWNER
Title

7/12/72
Date

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6850
(Silver)

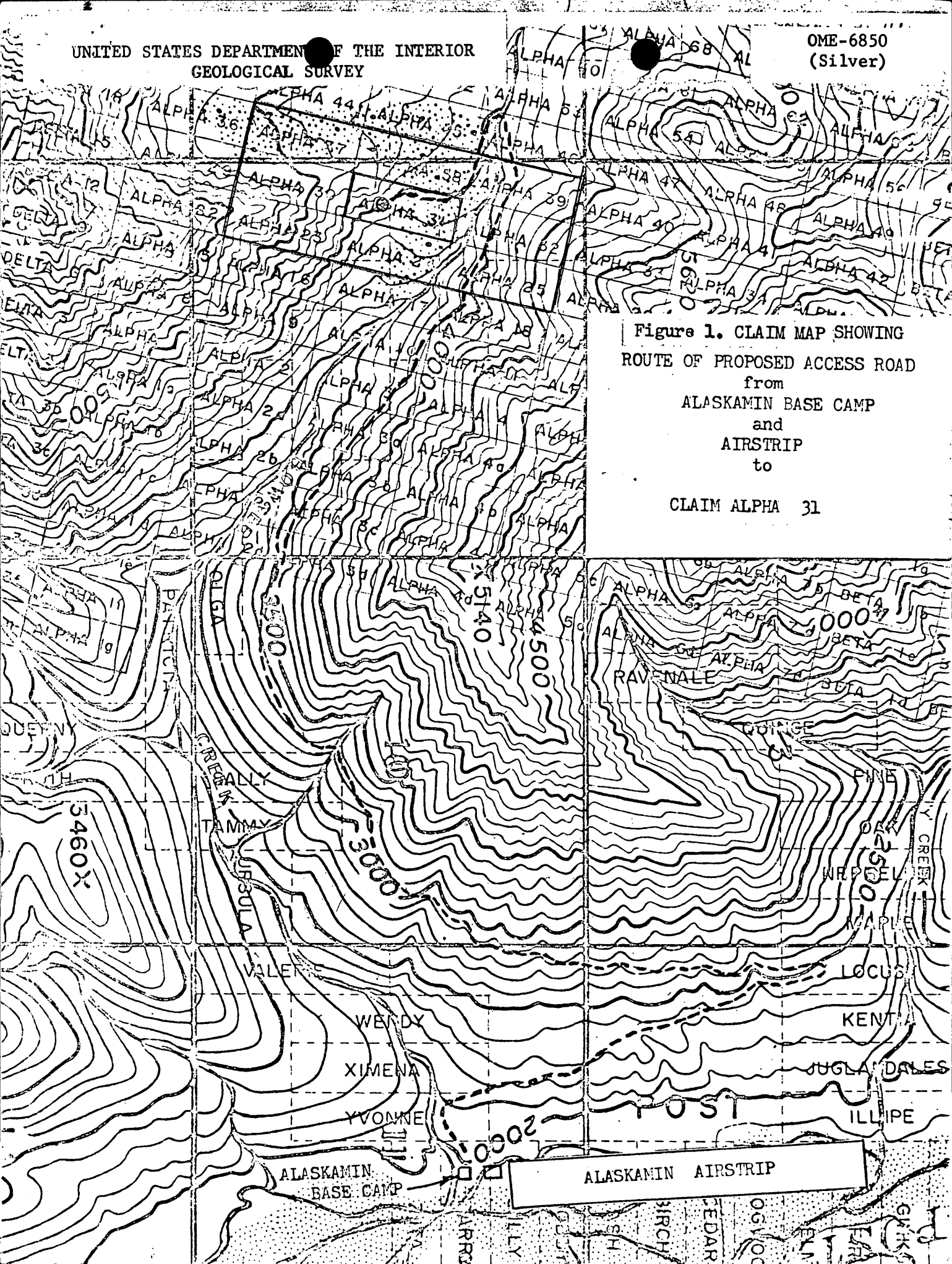

Figure 1. CLAIM MAP SHOWING
ROUTE OF PROPOSED ACCESS ROAD
from
ALASKAMIN BASE CAMP
and
AIRSTRIP
to
CLAIM ALPHA 31

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6850
(Silver)

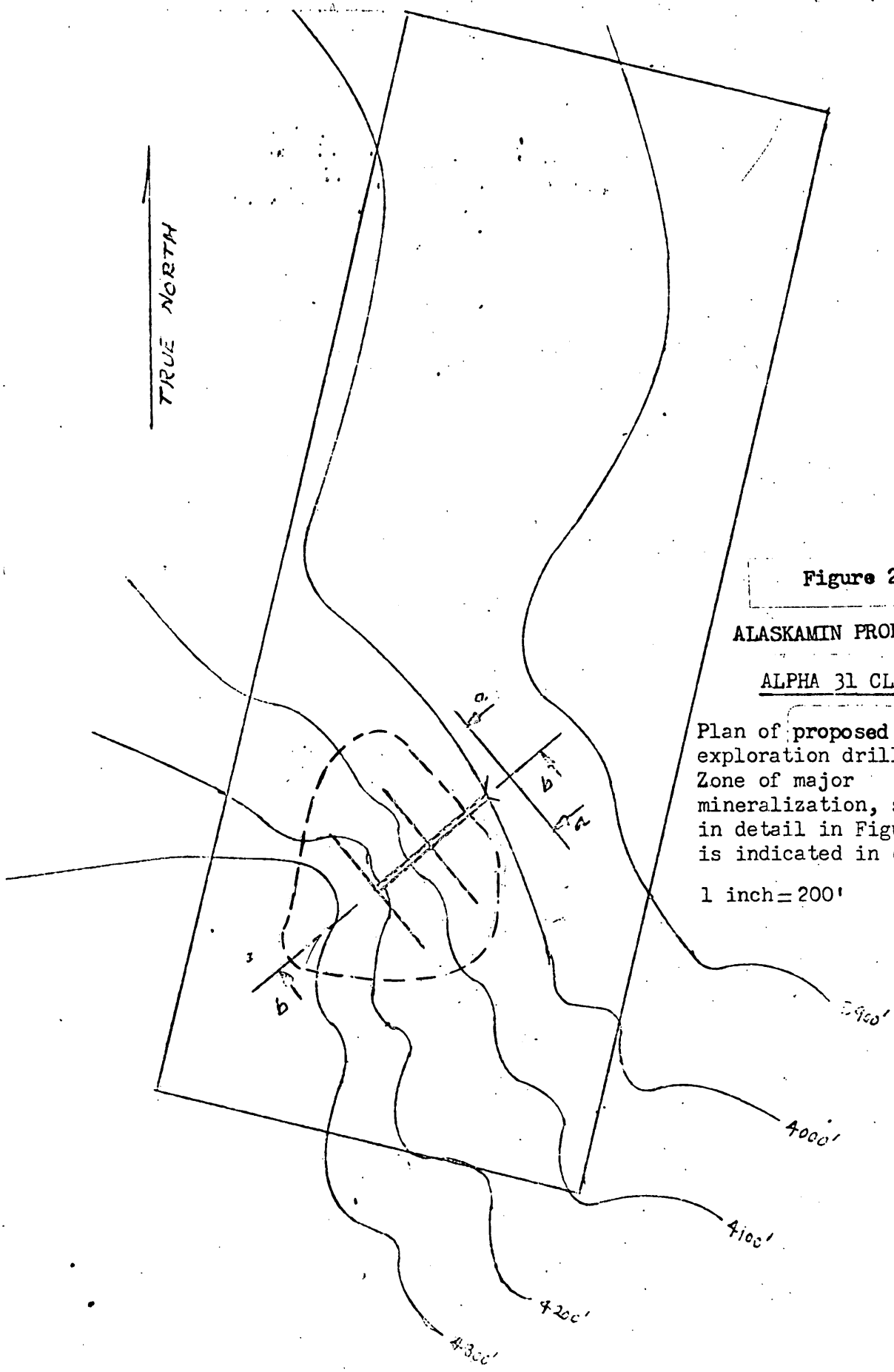

Figure 2.

ALASKAMIN PROPERTY

ALPHA 31 CLAIM

Plan of proposed adit and exploration drill holes. Zone of major mineralization, shown in detail in Figure M-4, is indicated in outline.

1 inch = 200'

WILLIAM B. MURRAY
ATTORNEY AND COUNSELLOR AT LAW
618 S. W. FIFTH AVENUE, SUITE 702
PORTLAND, OREGON 97204

AREA CODE 503
TELEPHONE 226-3819

June 20, 1972

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Harold Kirkemo
Chief, Office of
Minerals Exploration
United States Department of the Interior
Geological Survey
Washington, D.C. 20242

RE: OME-6850 (Silver)
The Alaskamin Company
Boswer Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Kirkemo:

Bernard Gabrielsen asked me to forward to you a current Financial Statement for The Alaskamin Company. James M. Goodpaster, C.P.A., just completed his audit of the company's Financial Statements, a copy of which is enclosed.

The company intends to finance its share of the cost of the exploratory work through use of its own assets and funds contributed by the shareholders. We understand that the operator's share will be $43,000.00. James M. Orr, Mining Engineer and Geologist, plans on going to the property on the 1st of July and remain there until the middle of October. The Director's have planned to make available to the company the initial expense of $32,625.00 before July 1st so that the company may proceed with its plans and commence the work for this season.

Mr. Gabrielsen will forward to you, under separate cover, the individual financial statement's that you requested.

We thank you for your assistance and the help rendered in planning the work to be done on the property.

With kindest regards,

Very truly yours,

William B. Murray

WBM:kl
Enc.
cc: Bernard L. Gabrielsen

Directors and Officers of The Alaskamin Company:

The directors and officers of the Company are:

Name and Address	Position
Dr. Bernard L. Gabrielsen URS Research Company 155 Bovet Road San Mateo, California 94402	President - Director
Dr. Thomas G. Schultz 19348 Columbine Court Saratoga, California 95070	Executive Vice President Director
Charles K. Shanks 4110 S. W. Charming Way Portland, Oregon 97225	Vice President - Director
James M. Orr 5253 Harbord Drive Oakland, California	Vice President - Director
Chuck Wilton 1630 Cordilleras Redwood City, California 94062	Secretary-Treasurer Director
Thomas Goodale 2120 Lexington Avenue San Mateo, California 94402	Director
William Lee 807 Ninth Street Santa Monica, California 90403	Director

JAMES M. GOODPASTER

Certified Public Accountant

2003 N. E. Fremont Street
Portland, Oregon 97212

Telephone 288-4609

OPINION OF INDEPENDENT CERTIFIED PUBLIC ACCOUNTANT

The Board of Directors
The Alaskamin Company
108 West Evergreen Blvd.
Vancouver, Washington 98660

We have examined the accompanying balance sheet of The Alaskamin Company as of February 28, 1972, and the Shareholders Investment and the Cash Receipts and Cash Disbursements for the period from inception at March 8, 1968 to February 28, 1972. Our examination was made in accordance with generally accepted auditing standards and accordingly included such tests of the accounting records and such other auditing procedures as we considered necessary in the circumstances.

In our opinion, the financial statements referred to above present fairly the financial position of The Alaskamin Company at February 28, 1972, in conformity with generally accepted accounting principles and further in our opinion the statements of Cash Receipts and Cash Disbursements present fairly the information contained therein.

James M Goodpaster
JAMES M. GOODPASTER
Certified Public Accountant

Portland, Oregon
~~May~~ JUNE 16, 1972

THE ALASKAMIN COMPANY

BALANCE SHEET

FEBRUARY 28, 1972

ASSETS AND UNRECOVERED PROMOTIONAL,
EXPLORATORY AND DEVELOPMENT COSTS

Fixed Assets:			
Truck and Equipment (Note A)	$ 7,000.00		
Less Depreciation (Note A)	116.00		
		6,884.00	
Total Fixed Assets			$ 6,884.00
Unpatented Mining Claims:			
Area 1, 575 Claims (Note B)		25,000.00	
Areas 2 & 3, 20% interest in 156 claims, Denali Group (Note C)		1,077.43	
Areas 4 & 6, 20% interest in 60 claims, Farewell Group (Note C)		1,682.19	
112,000 Shares (10¢ par value) Veleska Exploration Limited (Note C)		628.10	
Total Unpatented Mining Claims			28,387.72
Unrecovered Promotional, Exploratory and Development Costs:			
Exploratory & Development Cost (Note D)		252,113.73	
Rehabilitation Cost (Note D)		4,786.43	
General Administration Expense (Note D)		11,027.35	
Other Expense (Note D)		4,428.64	
Total Unrecovered Promotional, Exploratory and Development Costs			272,356.15
Total Fixed Assets, Unpatented Mining Claims, and Unrecovered Promotional, Exploratory and Development Costs			$ 307,627.87

LIABILITIES AND STOCKHOLDERS EQUITY

Current Liabilities:			
Accounts Payable		$ 27,345.22	
Accounts Payable to Irving Engineering Company, President, Bernard L. Gabrielsen		117,683.32	
Total Current Liabilities			$ 145,028.54
Stockholders Equity:			
Authorized Capital Stock (Note F)	100,000.00		
Unissued Capital Stock	43,843.60		
Issued and Outstanding (Shares 10¢ par value)		56,156.40	
Capital Surplus		106,442.93	
Total Stockholders Equity			162,599.33
Total Current Liabilities and Stockholders Equity			$ 307,627.87

NOTES TO BALANCE SHEET

NOTE-A - Truck and Equipment

GMC 6x6 truck with two winches, electric welder, gas welder, generator, hand tools and fuel	$ 7,000.00
Less: Depreciation (based on 10-year Straight-line method)	116.00
	$ 6,884.00

NOTE-B - Unpatented Mining Claims

In 1968 Borealis Cinnabar, Ltd. staked and located 343 twenty acre lode mining claims and 44 forty acre placer mining claims in Area 1. (See map of Area 1-6, page). These claims, subject to a contract with Homestake Mining Company, were transferred to The Alaskamin Company for 200,000 shares of The Alaskamin Company stock. The cost to Borealis Cinnabar Ltd. was $25,000.00 as shown in the following statement of Cash Receipts and Cash Disbursements:

Note-B - Unpatented Mining Claims (continued)

BOREALIS CINNABAR, LTD.

CASH RECEIPTS

Capital:

Rex Ellis	$3,125.00
William B. Murray	6,562.50
D. Neal Marlett	3,062.50
James R. Miller	3,062.50
Robert C. Scheetz	3,062.50
Roy Culligan	3,062.50
Ben T. Gray	3,062.50
Total Cash Receipts	$25,000.00

CASH DISBURSEMENTS

Wages	$6,629.00
Flying	6,126.03
Camp Supplies	5,216.61
Equipment Expense	1,027.00
Telephone and Telegraph	802.22
Duplication, Maps and Photographs	1,354.95
Filing, Recording and Resident Agent Fees	740.15
Travel	1,467.17
Miscellaneous	92.23
Insurance	109.67
Accounting, Stenographic and Postage Expense	425.23
Payroll Taxes	509.30
Geologist Fees	200.00
Professional Services	300.44
Total Cash Disbursements	$25,000.00

NOTE-C - Unpatented Mining Claims and Corporate Shares

The Alaskamin Company acquired the following interests:

20% interest in 156 unpatented mining claims in Areas 2 and 3, Farewell group of mining claims, for services and $1,007.43 cash.

20% interest in 10 unpatented mining claims in Area 4, and 20% interest in 50 unpatented mining claims in Area 6, Denali group of mining claims, for services and $1,682.19 cash.

72,000 shares for services and $628.10 cash, and 40,000 shares for colored aerial photographs, a total of 112,000 shares (10¢ par value) in the Veleska Corporation, formed in 1968.

NOTE-D - Exploratory & Development Cost

Development, Exploration and Staking	149,204.58	
Salary	24,152.16	
Flying	12,271.34	
Food at Camp	3,869.88	
Transportation of Employees & Freight	1,999.64	
Geologist Fee and Assays	14,259.88	
Maps, Photos, Duplication & Reports	7,312.76	
Filing, Record, Fees and Licenses	2,967.50	
Telephone	5,308.78	
Accounting, Stenographer & Office Supplies	8,687.92	
Travel and Entertainment	4,596.80	
Payroll Taxes	1,818.90	
Miscellaneous	782.61	
Professional Services	5,000.00	
Geological and Engineering Data	7,000.00	
Interest	2,764.98	
Depreciation	116.00	
		252,113.73
Rehabilitation Cost		
Camp Rehabilitation Contract	2,013.00	
Camp Supplies and Expenses	2,773.43	
		4,786.43
General Administrative Expense		
Professional Services		11,027.35
Other Expenses		
Insurance	985.23	
Consulting	1,769.66	
Rent	1,673.75	
		4,428.64

NOTE-E- Accounts Payable

The Company entered into an agreement with Bernard L. Gabrielsen, President of Irving Engineering Company, to perform the assessment work on the company's 575 claims in Area 1 in the amount of $57,500.00 for the assessment work year ending September 1, 1971, and in the amount of $57,500.00 for the assessment work year ending September 1, 1972.

Mr. Gabrielsen's work included the construction of a road fifty miles from Farewell to the Bowser Creek camp and the construction of an air field some 5,000 feet in length.

The total principal amount owing to Irving Engineering Company at February 28, 1972, is $115,000.00, plus interest at the rate of 7% per annum from October 27, 1971 to February 28, 1972 in the amount of $2,683.32, or a total of $117,683.32.

NOTE-F - Statement of Shares issued for Cash, property and Services

	Shares
Shares issued for Cash ($87,863.43)	359,564
Shares issued for property (See Note B)	200,000
Shares issued for services (John Nisco, Geologist)	2,000
	561,564

NOTE-G - Contingent Liability and Committments

Agreement to indemnify participating securities dealers against certain liabilities under the Securities Act of 1933, as amended.

Agreement to indemnify directors and officers under certain circumstances for certain liabilities under the Securities Act of 1933, as amended.

See "Indemnity Agreements" in Offering Circular.

THE ALASKAMIN COMPANY
(A Nevada Corporation)

CASH RECEIPTS AND DISBURSEMENTS

From Inception March 8, 1968 thru February 28, 1972

CASH RECEIPTS

Subscriptions to Shares	$88,865.43*
Received From Farewell Exploration Limited	8,500.00
Received From Veleska Exploration Limited	18,000.00
Received From Denali Exploration Limited	10,000.00
Received From Oregon Minerals, Inc.	100.00
Granby Mining Company, Ltd.	10,158.61
Sale of Supplies and Refunds	2,681.48
Interest Earned on Certificate of Deposit	432.44
Total Receipts	$138,728.96

CASH DISBURSEMENTS

Salary	$33,731.01
Flying	19,956.34
Exploration and Staking	8,464.77
Camp Rehabilitation	3,874.17
Food at Camp	4,879.61
Transportation of Employees and Freight	3,415.24
Geologist Fees and Assays	12,988.87
Maps, Photos and Duplicating	7,542.31
Filing, Recording Fees and Licenses	6,141.00
Telephone	5,214.37
Insurance	572.28
Accounting, Stenographer and Office Supplies	9,825.71
Travel and Entertainment	4,267.07
Payroll Taxes	2,350.87
Legal and Professional Fees	1,805.00
Consulting Expense	1,500.00
Rent	1,400.00
Camp Expense	3,947.11
Miscellaneous	481.28
Granby Mining Company, Ltd., to adjust account	50.00
Money disbursed for Veleska Exploration Limited	172.36
Money disbursed for Denali Exploration Limited	3,433.97
Money disbursed for Farewell Exploration Limited	983.62
Purchase of Equipment (2 Hondas)	730.00
Offer to Purchase Shares Unaccepted	1,002.00*
Total Disbursements	$138,728.96

*Subscription to Shares received $88,865.43, less Offer to Purchase Shares Unaccepted $1,002.00, represents the net total for Subscription to Shares in the amount of $87,863.43. (See Note F).

June 15, 1972

OME - 6850

The Alaskamin Company
618 S. W. Fifth Avenue
Portland, Oregon 97204

After examining proposal for work at Bowser on the Alaskamin property, we wish to submit the following prices for the work.

1.	Mobilization	$ 3,255
2.	To drive adit (tunnel) 5' x 7' 200 feet @$120.00	24,000
	(a) Timbering or Roof Bolting $70 per foot	
3.	To drill 1,400 feet of long hole @$5.00	7,000
		$34,255
4.	Demobilization (if necessary)	3,255
		$38,510

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To include all costs such as labor, payroll taxes, operating materials and supplies, depreciation of operating equipment, equipment rental, equipment repair, and man support. We expect and hope that no timbering or roof bolting beyond portal sets will be required.

It is expected that work can be done in approximately ninety (90) working days after award of contract, but this contract is subject to usual releases for slides, floods, and other acts of God.

Respectfully submitted,

James M. Orr (President)

Orr Engineering & Chemical Co.
P. O. Box 1048
Portland, Oregon

RECEIVED
JUN 16 1972
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

WILLIAM B. MURRAY
ATTORNEY AND COUNSELLOR AT LAW
618 S. W. FIFTH AVENUE, SUITE 702
PORTLAND, OREGON 97204

AREA CODE 503
TELEPHONE 226-3819

June 9, 1972

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aka 120
PK 120

Mr. Harold Kirkemo, Chief,
Office of Minerals Exploration
United States Department of the Interior
Geological Survey
Washington, D. C. 20242

Mr. H. K. Stager, OME Field Officer,
U. S. Geological Survey Building 2
345 Middlefield Road
Menlo Park, California 94025

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Sirs:

Enclosed herewith are denials from the United States National Bank of Oregon and the First National Bank of Oregon to our renewed requests for loans, together with a copy of the request made to these banks.

We wish to thank you for your helpful consideration of our loan application for OME assistance.

Very truly yours,

William B. Murray

WBM:k

loan request
denial

CC to Dr. Bernard L. Gabrielsen

UNITED STATES NATIONAL BANK OF OREGON

J. P. BUONO
VICE PRESIDENT

MAIN OFFICE
321 S.W. SIXTH AVENUE
P.O.BOX 4412, PORTLAND, OREGON 97208

June 8, 1972

Dr. Bernard L. Gabrielsen, President
The Alaskamin Company
P. O. Box 1387
San Carlos, California 94070

Dear Dr. Gabrielsen:

We are in receipt of Mr. William B. Murray's letter of June 6th in which The Alaskamin Company applied for a loan for $100,000 or less for the purpose of exploring The Bowser Creek Claim, McGrath A-2 Quadrangle, Alaska, for silver ore. Based on the information submitted, we hereby decline this loan request.

Yours very truly,

J P Buono

J. P. Buono
Vice President

JPB:jl

THE ALASKAMIN COMPANY
108 WEST EVERGREEN BOULEVARD
VANCOUVER, WASHINGTON 98660

TELEPHONE 695-4421

June 6, 1972

United States National Bank of Oregon
P. O. Box 4412
Portland, Oregon 97208

Attention: John P. Buono, Vice President

Dear Sir:

Last year we applied for a loan to explore and develop the Company's mining properties near Mt. McKinley in the McGrath quadrangle, Alaska. At that time our application was denied.

We wish to reapply for a loan of $100,000 or less to carry out the exploration and development program described by James M. Orr, mining engineer and geologist, in his report which is enclosed. Our application is based upon geological and engineering reports as follows:

1. Reed, Bruce L. and Raymond L. Elliott, Lead, Zinc, and Silver Deposits at Bowser Creek, McGrath A-2 Quadrangle, Alaska, U.S.G.S. Circulat 559, (1968).

2. Reed, Bruce L. and Raymond L. Elliott, Geochemical Anomalies and Metalliferous Deposits Between Windy Fork and Post River, Southern Alaska Range, U.S.G.S. Circular 569 (1968).

3. Elliott, Raymond L. and Bruce L. Reed, Results of Stream-Sediment Sampling Between Windy Fork and Post River, Southern Alaska Range, U.S.G.S. Open-file report (1968).

4. Reed, Bruce L. and Raymond L. Elliott, Results of Stream-Sediment Sampling in Parts of the Southern Alaska Range, U.S.G.S. Open-file report (1968).

5. Buchholz, J., Alaskamin Prospect, Bowser Creek, Alaska, Property Examination, June, 1968.

6. Anderson, Robert E., Geological Observations and Comments Alaskamin Bowser Creek Prospect, McGrath A-2 Quadrangle, Alaska, September 4, 1968.

7. Sharp, W. M., Geological Report on the Bowser Creek Prospect in the McGrath A-2 Quadrangle, Alaska, March, 1971.

Our financial statements for the fiscal period ending February 28, 1972 are enclosed.

We would appreciate receiving your decision on this application at your earliest convenience.

Very truly yours,

THE ALASKAMIN COMPANY

By _____
William B. Murray

WBM:km
Enclosures

FIRST NATIONAL BANK OF OREGON

HEAD OFFICE. 1300 S.W. FIFTH AVENUE. P.O. BOX 3131. PORTLAND, OREGON 97208. TELEPHONE: 225-2239

June 8, 1972

Dr. Bernard L. Gabrielsen
President
The Alaskamin Company
P. O. Box 1387
San Carlos, California 94070

Dear Sir:

We have been asked by William B. Murray of your company for a loan of $100,000 to carry out a mining exploration and development program described by James M. Orr, Mining Engineer and Geologist.

We respectfully decline this credit application as the operation is well outside our area and because the venture appears uncertain as to a profitable conclusion.

Very truly yours,

H. E. White
Vice President

HEW:kk

P.S. Property to be explored and developed is the company's mining property located near Mt. McKinley in the McGrath Quadrangle, Alaska.

HEW

THE ALASKAMIN COMPANY
108 WEST EVERGREEN BOULEVARD
VANCOUVER, WASHINGTON 98660
TELEPHONE 695-4421

June 6, 1972

First National Bank of Oregon
P. O. Box 5131
Portland, Oregon 97208

Attention: Harry E. White, Vice President

Dear Sir:

Last year we applied for a loan to explore and develop the Company's mining properties near Mt. McKinley in the McGrath quadrangle, Alaska. At that time our application was denied.

We wish to reapply for a loan of $100,000 or less to carry out the exploration and development program described by James M. Orr, mining engineer and geologist in his report which is enclosed. Our application is based upon geological and engineering reports as follows:

1. Reed, Bruce L. and Raymond L. Elliot, Lead, Zinc, and Silver Deposits at Bowser Creek, McGrath A-2 Quadrangle, Alaska, U.S.G.S. Circular 559, (1968).

2. Reed, Bruce L. and Raymond L. Elliot, Geochemical Anomalies and Metalliferous Deposits Between Windy Fork and Post River, Southern Alaska Range, U.S.G.S. Circular 569 (1968).

3. Elliott, Raymond L. and Bruce L. Reed, Results of Stream-Sediment Sampling Between Windy Fork and Post River, Southern Alaska Range, U.S.G.S. Open-file report (1968).

4. Reed, Bruce L. and Raymond L. Elliott, Results of Stream-Sediment Sampling in Parts of the Southern Alaska Range, U.S.G.S. Open-file report (1968).

5. Buchholz, J., Alaskamin Prospect, Bowser Creek, Alaska, Property Examination, June, 1968.

6. Anderson, Robert E., Geological Observations and Comments Alaskamin Bowser Creek Prospect, McGrath A-2 Quadrangle, September 4, 1968.

7. Sharp, W. M., Geological Report on the Bowser Creek Prospect in the McGrath A-2 Quadrangle, Alaska, March, 1971.

Our financial statements for the fiscal period ending February 28, 1972 are enclosed.

We would appreciate receiving your decision on this application

at your earliest convenience.

Very truly yours,

THE ALASKAMIN COMPANY

By: William B. Murray

WBM:km
Enclosures

United States Department of the Interior

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

March 29, 1972

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Cal 120 M
Ala 130
HK ~~120~~
Raw

Enclosed is one copy of a revised proposal dated March 10, 1972, to explore the S-1 zone of the subject property. A duplicate copy is retained in our files.

This proposal has been discussed with Bruce Reed of the U.S.G.S., who confirms that this locality contains the best showings of silver on the property and considers the proposed work to be the most sensible way to explore the deposit.

The revised project of a drift-adit along the general trend of the formations followed by long hole drilling from the adit would explore the best surface showings on the property. Because of topography and alluvium, these showings cannot now be correlated sufficiently to reveal the size, shape, persistence, and controlling structure of the inferred ore body.

If the application is approved, we suggest a fixed unit cost contract in which the access road and portal site preparation be considered as a single job (the unit of work is the completed job) and that OME participate in, say, 25 percent of the cost. By paying its share only upon completion, and by reducing the percentage, the Government's interest is fully protected against the remote possibility of default and against errors in estimating the costs. A former contract (OME-6564) used this procedure very satisfactorily.

Bids are now being sought for the proposed underground work, and will be submitted as soon as received. One additional bid for the road work is also being solicited, but is unlikely to beat the one used because the bulldozer is already on the property.

R. M. Smith
for H. K. Stager

Enclosure

OME-6850 (silver)

MODIFICATION

of

Proposed Exploration Work and Estimation of Costs

in

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Filed by: The Alaskamin Company
Seventh Floor
618 S.W. Fifth Avenue
Portland, Oregon 97204

Dated: May 20, 1971

This modification submitted March 10, 1972

RECEIVED
MAR 27 1972
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

5. Exploration Work

(a) Drilling. The Company proposes to drive an adit (tunnel) into the hillside, starting on alpha 31 claim, approximately 500' N.E. of the S.E. end line, and 350' S.E. of the S.W. side line of the claim, at an approximate elevation of 4000', the tunnel to proceed 200' on a bearing of W., 40° S., and approximately horizontal slope. It is proposed to drill exploration holes from two locations inside the tunnel, fanning out in each of seven directions to penetrate and sample the formation above. and on both sides of the tunnel. Long-hole exploration holes will be drilled at 100', and at 200' from the tunnel entrance, in planes perpendicular to the tunnel axis. At each of the two locations, the exploration drill holes will be fanned out at 5°, 30°, 60°, 90°, 120°, 150°, and 175°, each hole to be approximately 100' long.

The exploration drill holes, as well as the tunnel itself, will penetrate and explore, at depth, an area southwest of Bowser Creek in which deposits of sphalerite-pyrrhotite, and argentiferous galena are concentrated, and from which surface samples of high silver content have been taken (U.S.G.S. Circular 559, pp. 6 and 13). The geology of the area to be explored, as reported in U.S.G.S. Circular 559, is reproduced in Figure M-1. Assays reported by the U.S.G.S., for samples indicated in Figure M-1, are given in Table M-1. The pattern of trenching, and location and assays of surface samples, reported by W. M. Sharp, is shown in Figure M-2.

Figure M-3 shows the location of the proposed adit and exploration drill holes on alpha 31 claim. Figure M-4 maps detailed geology and mineralization of the area, on an enlarged scale, with the proposed adit

and exploration holes superimposed, to show how the proposed exploration penetrates under the major mineralized structures in the area. The approximate outline of the mineralized zone surrounding the location of the adit in Figure M-4 has been indicated in Figures M-2 and M-3.

Elevation views of the adit and drill holes are given in Figure M-5. The location of alpha 31 claim relative to Bowser Creek and Post River is shown in Figure M-6.

(b) Access Road. The route proposed for an access road, leading from Alaskamin base camp and airstrip on Post River, to the site of the proposed exploration work on alpha 31 claim, is shown in Figure M-6. The road will be approximately 4.7 miles long, at a grade of 10%. The road will be suitable for 4-wheel drive vehicles, and earth-moving equipment.

(c) Time Schedule. It is planned to construct the access road in 20 working days, of two 8-hour shifts per day, at the start of the exploration season. Two bulldozers and a truck will be used in this work. An air compressor and mobile drill will be needed part time to drill rock formations and loose boulders for blasting, where this is necessary.

Exploration work, including driving of the adit, and drilling of exploration holes, is expected to require 90 days work by a crew of 3 men.

The Alaskamin air strip, constructed during the 1971 season, is approximately 5000 feet long, and is suitable for landing and takeoff of Hercules heavy cargo planes. Equipment and supplies required in

construction of the access road, and in the drilling program, will be brought in by this means.

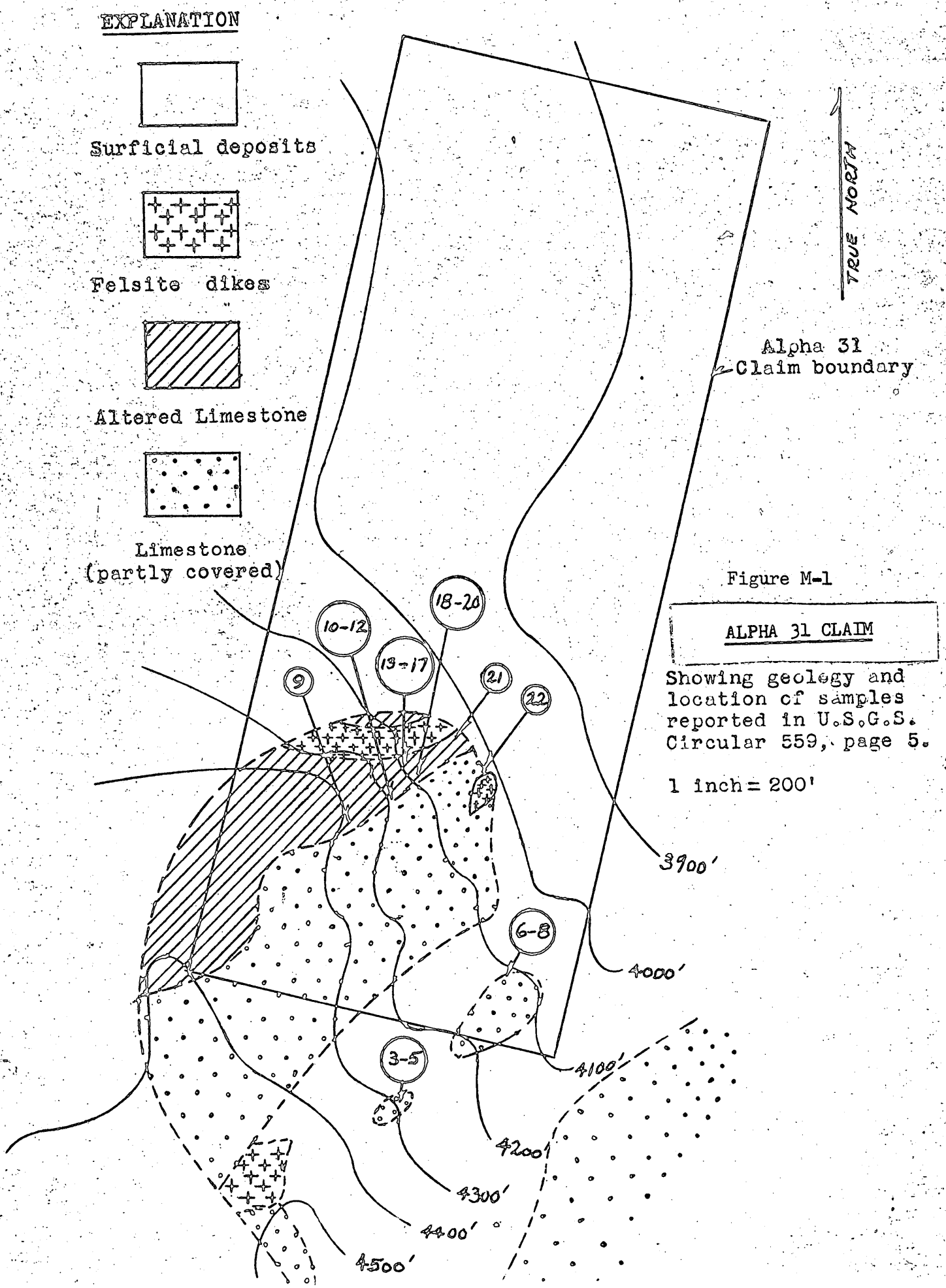


Figure M-1

ALPHA 31 CLAIM

Showing geology and location of samples reported in U.S.G.S. Circular 559, page 5.

1 inch = 200'

TABLE M-1

Assays reported in U.S.G.S. Circular 559 for samples indicated in Figure M-1.

Quantitative analysis by gravimetric fire assay or atomic absorption.

Sample No.	Ag (oz. per ton)	Sample type[1]
3	2.4	8-1 Includes 3 ft of limestone
4	6.1	5-1 Continuation of sample 3
5	3.9	Selected.
6	2.4	5-1
7	0.4	5-1 Continuation of sample 6
8	0.9	8-1 Continuation of sample 7
9	0.2	30-1 Includes 5 ft of limestone
10	52.2	20-1
11	309.8	Selected.
13	1.9	12-1 Includes 2 ft of dike
14	56.3	Selected.
18	20.5	20-1
22	2.4	5-1

[1] Unless noted, samples are chip samples. First number is length in feet and second number is interval between chips in feet.

Semiquantitative spectrographic analyses.

Sample No.	Ag (parts per million)	Sample type
1	20	From brown horizon 12 in. below surface
2	70	From 2-in. horizon below sample 1.
11	>1000	Galena from shear zone in silicated limestone.
12	>1000	
14	>1000	Mainly pyrite and galena.
15	700	Mainly pyrite and galena.
16	150	Sphalerite with minor galena and pyrrhotite.
17	30	
19	70	Oxidized skarn.
20	200	Skarn with galena and sphalerite.
21	0.7	Felsite dike cutting silicated limestone.

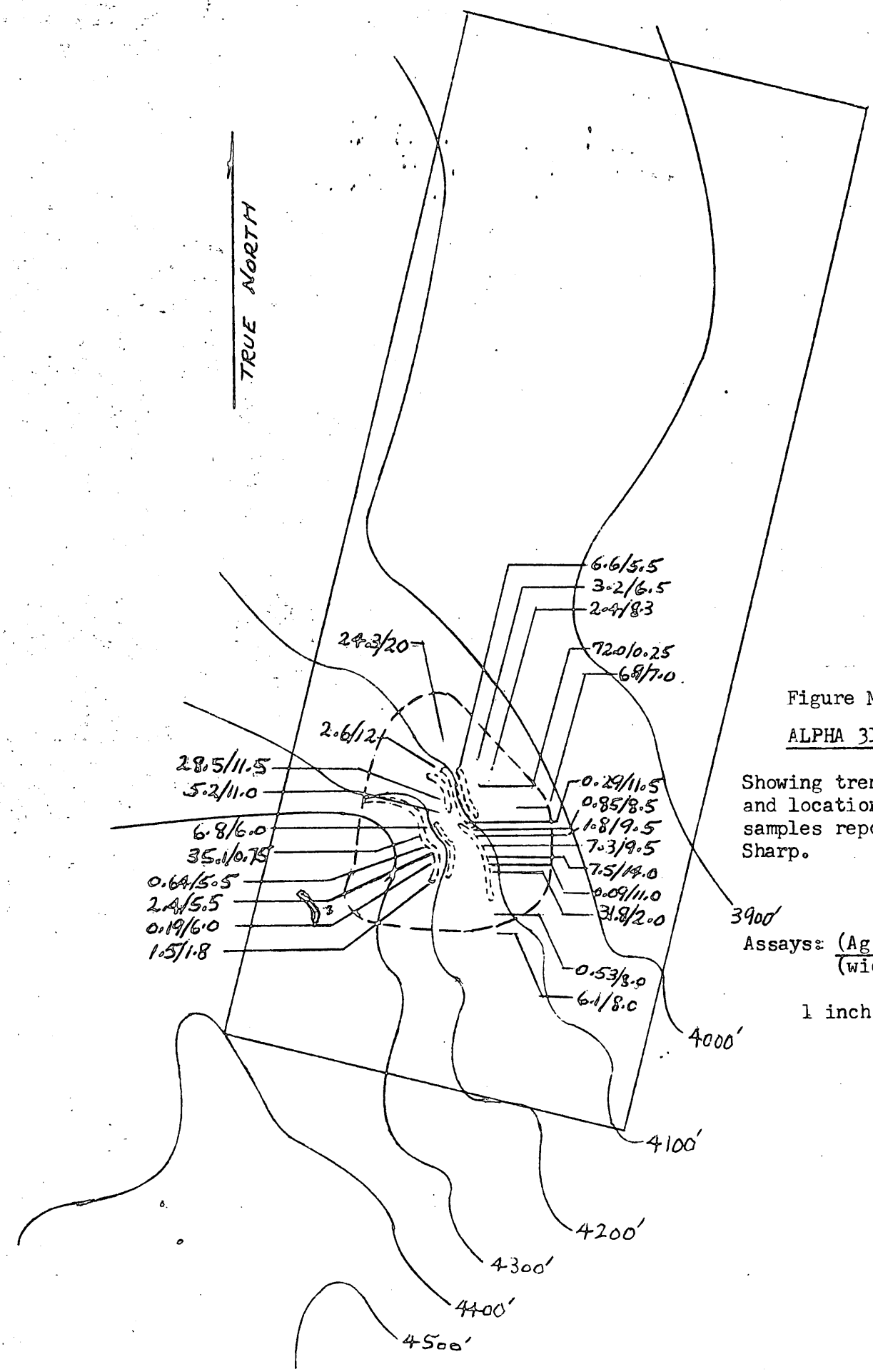


Figure M-2

ALPHA 31 CLAIM

Showing trenching pattern, and location of surface samples reported by W. M. Sharp.

Assays: $\frac{\text{(Ag, oz./ton)}}{\text{(width, feet)}}$

1 inch = 200'

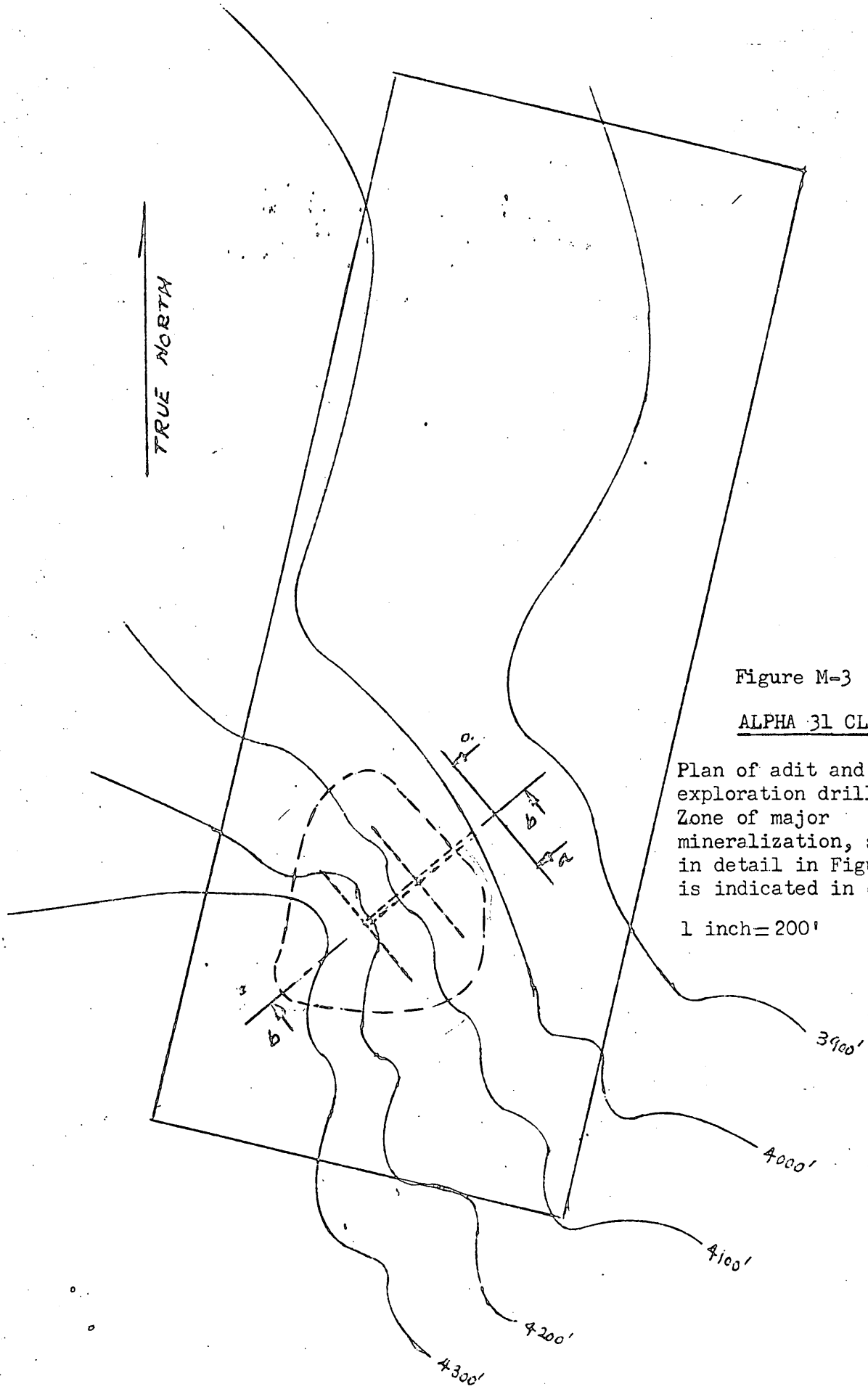


Figure M-3

ALPHA 31 CLAIM

Plan of adit and exploration drill holes. Zone of major mineralization, shown in detail in Figure M-4, is indicated in outline.

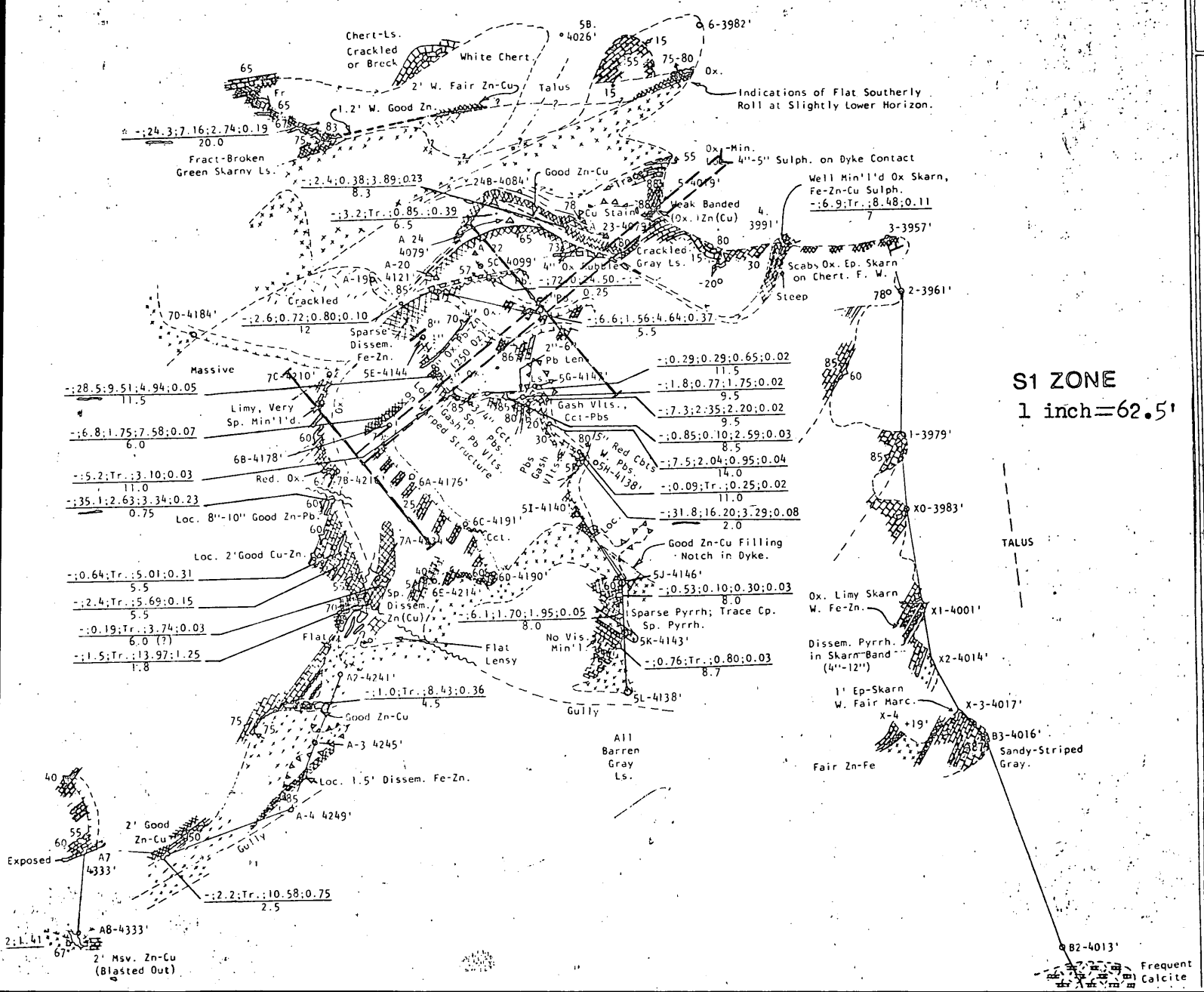
1 inch = 200'

S1 and S1-A ZONES

Alaskamin Project
Bowser Creek
Post River Area, Alaska

Figure M-4

DETAILED GEOLOGY AND SAMPLING



LIMESTONE (LS)

CHERT (SILIC. LS. OR SILTSTONE) SHOWING: MASSIVE/BANDED

SKARN: EPIDOTE, CALCITE, CLINOPYROXENE CHLORITE, QUARTZ, ETC.

FELSITE (DYKES, SILLS, ETC.) GRANODIORITE PORPHYRY

INTRUSIVE BRECCIA

FAULT / RANDOM FRACTURES

BEDDING / LINEAR FRACT'S OR JOINTS

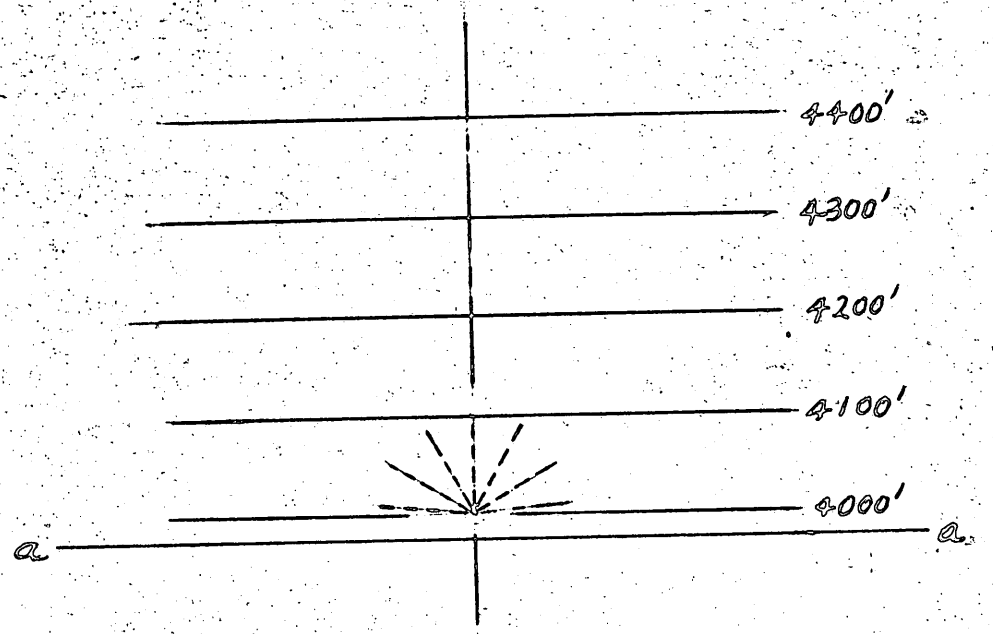
MINERALIZATION: MASSIVE / BANDED-PODDY / DISSEMINATION

PYRRH. MARMA. — MINERALIZATION: PYRRHOTITE, MARMATITE

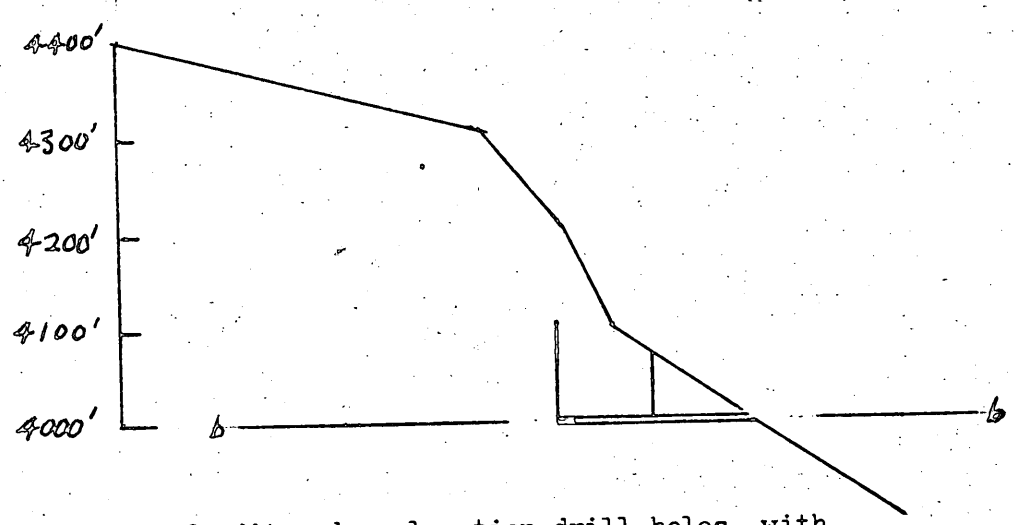
MOILED OR CHIPPED SAMPLE

Prepared by: W.M. Sharp P.E. for G.M.C.

Au; Ag; Pb; Zn; Cu
Ft.



End view of adit, showing directions of exploration drill holes.



Side elevation of adit and exploration drill holes, with ground profile.

Figure M-5

Scale; 1 inch = 200'

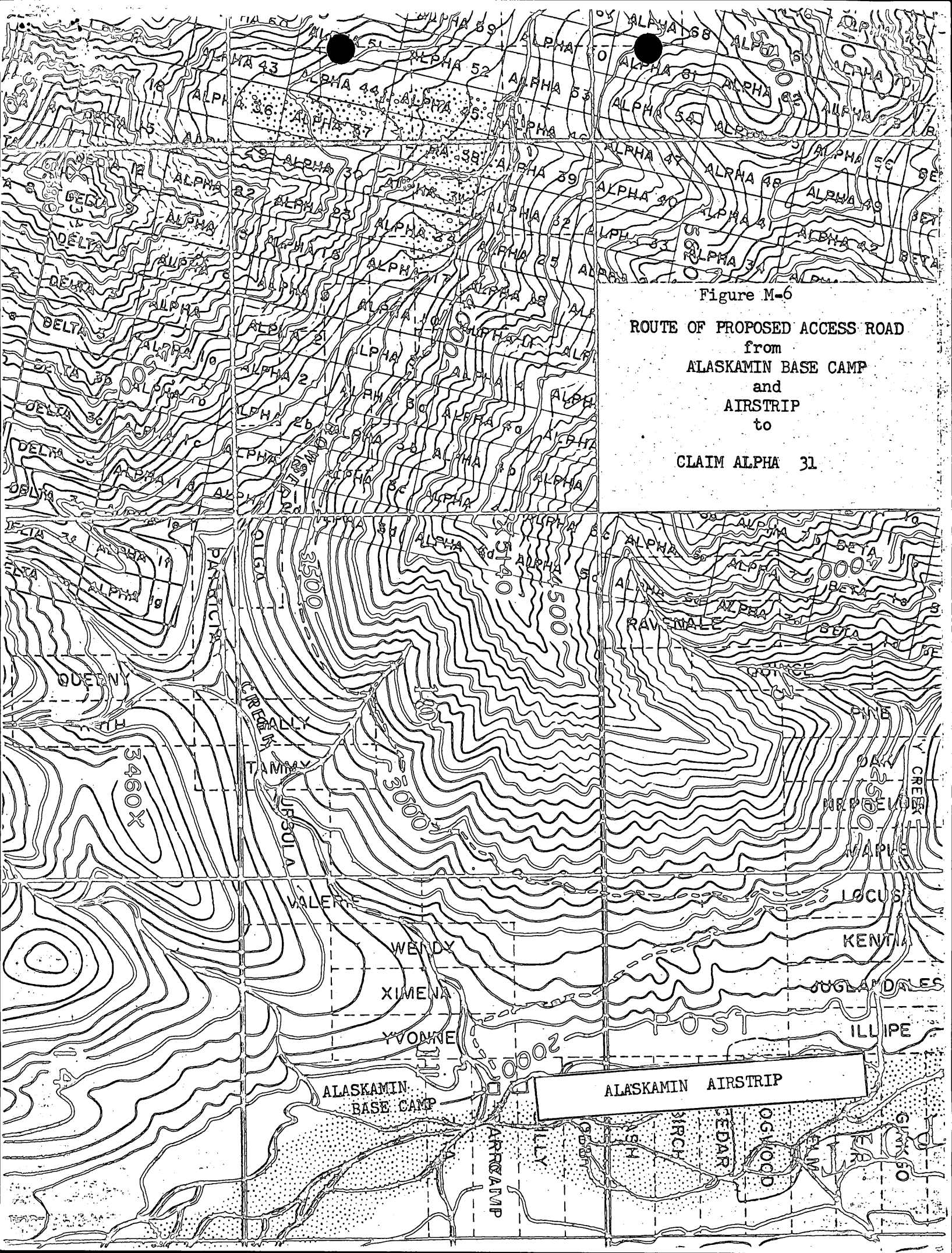


Figure M-6

ROUTE OF PROPOSED ACCESS ROAD
from
ALASKAMIN BASE CAMP
and
AIRSTRIP
to

CLAIM ALPHA 31

7. Estimate of Costs

(a) To drive adit (tunnel), and drill exploration holes.

200' of tunnel @ $100.00/ft.	20,000	
1400' of drill hole @ $4.00/ft. (14 exploration holes each 100' long)	5,600	
270 man-days support @ $30.00/man-day (support for 3 men for 90 days)	8,100	
Drilling costs		$33,700

(b) To build 4.7 miles of access road, at 10% grade, from Alaskamin base camp and airstrip to alpha 31 claim.

1 bulldozer @ $40.00/hr. for 320 hrs.	12,800	
1 bulldozer @ $50.00/hr. for 320 hrs.	16,000	
1 truck @ $25.00/hr. for 320 hrs.	8,000	
1 compressor & mobile drill @ $25.00/hr. for 100 hrs.	2,500	
112 man-days support @ $30.00/man-day (support for 4 men for 28 days)	3,360	
30 boxes explosives @ $33.25/box	997	
Road building costs		$43,657

(c) Mobilization costs.*

1 flight, Hercules cargo plane, Fairbanks to Alaskamin air strip.	2,830	
Mobilization costs		$2,830
Total of all costs		$80,187

* Based on the use, in road construction, of contractor's bulldozers that have remained over the winter at Alaskamin base camp after close of 1971 season's work on Alaskamin air strip.

THE ALASKAMIN COMPANY
702 ~~525~~ FAILING BUILDING
PORTLAND, OREGON, 97204

TELEPHONE 226-3819

May 21, 1971

ORIGINAL COPY
O. M. E.
RECEIVED
MAY 24 1971
INITIALS | CODE

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U. S. Department of Interior
Washington, D. C.

Subject: The Alaskamin Company
OME Application (Alaska)

Dear Mr. Kirkemo:

We are sending you a copy of the above enclosed application as you suggested. We would like to carry out the proposed program this summer season. We thank you for your cooperation.

We cut 45 trenches on some 53 outcrops north and south of Bowser Creek. The South 1-Zone is south of Bowser Creek. The work in this zone shows the best size grade combination in the most northerly trench. Sixteen samples across 123 feet give a weighted average of 7.4 oz. silver per ton. Nine samples for a width of 80' average $23.90 gross value per ton. Four samples across 19' give a weighted average over 50 oz. silver per ton.

The purpose of the exploration is to determine the strike's length of this showing. Talus prohibits further trenching. It is planned to drill five holes in the Lower S-1 Zone; and, three holes north of the creek in the Lower N-2 Zone; and, one hole to cross-cut the structure in the Northwest Zone. Two holes are designed to test the disseminated mineralization in the Headwater Zone in the Bowser Creek Basin.

The assay plans and detailed geologic maps, Drawings 1 through 7, record the work which we have done in this area. Further work should be done. The chances for a significant discovery are good.

With kindest regards, and again thanking you for your help in this matter, I am

Very truly yours,

William B. Murray

WBM:ma
Enclosures
cc: Mr. Harold K. Stager, Field Officer, OME

THE ALASKAMIN COMPANY
525 FAILING BUILDING
PORTLAND, OREGON, 97204
TELEPHONE 226-3819

May 21, 1971

Mr. Harold K. Stager
Field Officer
Office of Minerals Exploration
U. S. Department of Interior
345 Middlefield Road
Menlo Park, California 94025

Subject: The Alaskamin Company
OME Application (Alaska)

Dear Mr. Stager:

You will find enclosed two copies of application for financial assistance under Office of Minerals Exploration program.

We have additional information such as colored area photos and general geological maps and reports which you may be interested in seeing. I telephoned your office today and was informed that you were out of town but that you would probably be in your office next Thursday or Friday. I would appreciate very much having an appointment with you to discuss this application.

We feel that this project fits into the OME program and that there is probability of making discovery of a significant tonnage of ore.

Very truly yours,

William B. Murray

WBM:ma
Enclosures

cc: Mr. Harold Kirkemo, Chief, OME

MME Form 40
Dec. 1958

OFFICIAL COPY
M. E.
RECEIVED
MAY 24 1971
INITIALS | CODE

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Budget Bureau No. 42-R1368
Approval expires Dec. 31, 1963

APPLICATION FOR FINANCIAL ASSISTANCE IN MINERALS EXPLORATION

Pursuant to Public Law 85-701 (72 Stat. 700; 30 U.S.C. 641)

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

The Alaskamin Company
Seventh Floor
618 S.W. Fifth Avenue
Portland, Oregon 97204

APPLICANT DO NOT USE THIS BLOCK

DOCKET NUMBER: 6850

DATE RECEIVED: 5-24-71

REGION: II

DIVISION CODE:

BUSINESS ORGANIZATION *(Check one)*

- INDIVIDUAL [ ]
- CORPORATION [X]
- PARTNERSHIP [ ]
- OTHER *(Specify)* [ ]

STATE IN WHICH FIRM IS ORGANIZED: Nevada

LIST CORPORATE OFFICERS OR PARTNERS HERE, IF APPLICABLE

NAME	ADDRESS	TITLE
Charles K. Shanks	4110 S.W. Charming Way Portland, Oregon 97225	President
Kenneth C. King	3500 S.E. 17th Avenue Portland, Oregon 97202	Secretary-Treasurer

MINERAL(S) FOR WHICH YOU WISH TO EXPLORE: Silver

ESTIMATED COST OF PROJECT: $ 126,572.65

PROPERTY NAME	LOCATION COUNTY	STATE
Bowser Creek	McGrath Quadrangle	Alaska

GENERAL INSTRUCTIONS

Before filling out this application, please read the *OME Regulations for Obtaining Federal Assistance in Financing Explorations for Mineral Reserves* (30 CFR Chap. III). 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 2, existing mine workings and geology in item 3, and the proposed exploration work in item 5. 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 3(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 Office of Minerals Exploration, Department of the Interior, Washington 25, D. C., or with the nearest OME 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, and that he would not ordinarily undertake the proposed exploration under current conditions and circumstances at his sole expense.

May 20, 1971
DATED

Charles K. Shanks
BY *(Signature)*
President
The Alaskamin Co.
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. Financial Eligibility:

(a) Submit evidence of efforts made within 90 days preceding the filing of this application to obtain credit from your bank of account and at least one other banking institution or other private source of credit. Such evidence shall include true copies of correspondence which show: (1) date of loan request, (2) amount and terms requested, (3) proposed use of loan funds, and (4) the replies from credit sources. If the loan was offered under terms which you consider unreasonable, state why you consider them so.

(b) List names and addresses of affiliated, parent, or controlling companies or organizations and state extent and nature of their interest.

(c) State how you propose to furnish your share of the cost of the exploration work.

2. Applicant's Rights in Land:

(a) State your interest in the land and mineral rights, whether owner, lessee, purchaser under contract, or other. If you are not the owner, submit one true copy of the lease, contract, or other document (with address of owner) under which you control the property. Describe all liens, mortgages, or other encumbrances on the land and state book and page number and official place where recorded.

(b) 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 adjacent land which you own or control. Describe any part of the land or workings which should not be subject to Government royalty and liens. If the land consists of unpatented claims, state book and page number for each recorded location notice, including amended locations, and official place where recorded. State all the names by which you know the property.

(c) For all land or mineral rights encumbered or not owned, submit five copies of Lien and Subordination Agreements on MME Form 52. If the agreements cannot be obtained, state reasons and provide copies of letters of refusal.

3. 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 land. Include existing mine workings and all production facilities.

(b) State your interest, if any, in operations described in (a).

(c) State, if 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, giving quantities and grades and sampling methods used. Support 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 have, indicating whether you require their return.

4. Accessibility of Property:

(a) To aid the OME representative who may examine the property, state name and address of person who will meet him; give directions for reaching the property; and describe accessibility of property and of any mine workings.

(b) Name the shipping and supply points and state the distances to the property.

5. Exploration Work:

(a) Describe fully the proposed exploration work giving individual footages and sizes of openings *for each item of work.* Use narrative, maps, plans, and sections as necessary. Show 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 *land boundaries* or to the closest identifiable corner.

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

(c) If an OME contract is executed, state how soon thereafter work would be started and finished. State your anticipated average daily or monthly rate of progress for each type of work.

6. Experience:

State your operating experience and background to conduct this exploration work and also that of the person who will supervise the work.

7. Estimate of Costs:

Furnish detailed estimates of the necessary costs *for each item of the work proposed in 5(a)* under the headings listed below with a total for each heading and the estimated total cost of the work. Costs for any work to be performed by an independent contractor should be listed separately under category (a) below. Costs for any work that is not to be performed by an independent contractor should be listed under categories (b) through (g).

(a) Independent contracts. State the total cost of any proposed independent contract for all or any part of the work, and the number of units and the unit cost for each type of work, such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, or 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. The cost of supervision, engineering and geological services, outside consultants, and labor should be itemized by numbers and classes of employees; rates of wages, salaries or fees; and periods of employment. State whether these services are available.

(c) Operating materials and supplies. List items of material and supplies giving quantity and cost of each. 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 equipment and tools costing $50 or more per unit. Give specifications and indicate how each item is to be acquired—i.e., rented, purchased or provided by the applicant. If rented or purchased, state the estimated rental or purchase price. If furnished by the applicant, state condition and present fair market value.

(e) Initial rehabilitation and repairs. Describe the type and the cost of *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 in the exploration work.

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

(g) Miscellaneous. Describe the type and estimate the cost of repairs and maintenance of the operating equipment listed in 7(d). Do not repeat initial repairs listed in 7(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*—The Government will not contribute to costs incurred before the date of the contract, or to costs of or incident to: (1) acquiring, using, or possessing land and any existing improvements, facilities, buildings, installations, and appurtenances, or the depreciation and depletion thereof; (2) general overhead, corporate management, interest and taxes (other than payroll and sales taxes); (3) insurance (other than employees' liability insurance); and (4) damages to persons or property (other than authorized repair to or replacement of equipment or other property used in the work).]

INT.-DUP. SEC., WASH., D.C. 50399

1. Financial Eligibility

(a) Within 90 days preceding the filing of this application, The Alaskamin Company made efforts to borrow funds for exploration. It made application for a loan to the bank with which the Company does business, the United States National Bank of Oregon, Main Branch, Portland, Oregon. The Company also made application for a loan for exploration to the First National Bank of Oregon, Main Branch, Portland, Oregon. Both applications were denied.

The amount of the loan requested was $200,000.00. The proposed use of the funds is to finance exploration in McGrath A-2 Quadrangle, Alaska, as recommended by William M. Sharp, P.Eng., Consulting Geological Engineer, 171 West Esplanade, North Vancouver, B.C., in his report dated March 29, 1971.

Appendix "A" - Application for loan to the United States National Bank of Oregon, Main Branch, Portland, Oregon, dated April 14, 1971.

Appendix "B" - Rejection of application for loan by the United States National Bank, Portland, Oregon, dated April 30, 1971.

Appendix "C" - Application for loan to the First National Bank of Oregon, Main Branch, Portland, Oregon, dated April 9, 1971.

Appendix "D" - Rejection of application for loan by the First National Bank of Oregon, Portland, Oregon, dated April 30, 1971.

(b) The Alaskamin Company has no affiliates, parents, or controlling companies or organizations.

(c) The Company proposes to finance its share of the cost of the exploration work through use of its own assets and funds contributed by stockholders.

THE ALASKAMIN COMPANY
702 ~~525~~ FAILING BUILDING
PORTLAND, OREGON, 97204
TELEPHONE 226-3819

April 14, 1971

The United States National Bank
321 S.W. Sixth Avenue
Portland, Oregon 97204

Gentlemen:

We hereby apply for a loan of $200,000.00 for the purpose of exploring our Bowser Creek Claims, McGrath A-2 Quadrangle, Alaska, for silver ore.

This application is accompanied by a copy of plans for exploration prepared by William M. Sharp, P. Eng. Should you be willing to loan our company the funds requested, the funds would be needed from time to time as the work progresses.

We would be willing to pay your customary interest rate for this type of loan and would repay the funds within a maximum period of five years, but in any event, not less than five per cent of the net smelter returns or mint receipts would be applied on account of the loan as ore is extracted and sold from the mine.

Very truly yours,

Charles K. Shanks

CHARLES K. SHANKS, President

CKS:kl
Enc.

UNITED STATES NATIONAL BANK OF OREGON

MAIN BRANCH
321 S.W. SIXTH AVENUE
P.O. Box 4412, PORTLAND, OREGON 97208

April 30, 1971

Mr. Charles K. Shanks
President
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

Dear Mr. Shanks:

We are in receipt of your letter of April 14 in which you apply for a $200,000 loan for the purpose of exploring your Bowser Creek Claim, McGrath A-2 Quadrangle, Alaska, for silver ore. Based on the information you have submitted we hereby decline your loan request.

Yours very truly,

Richard A. Smart
Commercial Loan Officer

RAS/aw

THE ALASKAMIN COMPANY
702 ~~525~~ FAILING BUILDING
PORTLAND, OREGON, 97204

TELEPHONE 226-3819

April 9, 1971

The First National Bank of Oregon
Main Office
400 S.W. Sixth Avenue
Portland, Oregon 97204

Gentlemen:

We hereby apply for a loan of $200,000.00 for the purpose of exploring our Bowser Creek Claims, McGrath A-2 Quadrangle, Alaska, for silver ore.

This application is accompanied by a copy of plans for exploration prepared by William M. Sharp, P. Eng. Should you be willing to loan our company the funds requested, the funds would be needed from time to time as the work progresses.

We would be willing to pay your customary interest rate for this type of loan and would repay the funds within a maximum period of five years, but in any event, not less than five per cent of the net smelter returns or mint receipts would be applied on account of the loan as ore is extracted and sold from the mine.

Very truly yours,

Charles K. Shanks

CHARLES K. SHANKS, President

CKS:kl
Enclosure

FIRST NATIONAL BANK OF OREGON

PORTLAND MAIN OFFICE, 400 S.W. SIXTH AVENUE, P.O. BOX 3131, PORTLAND, OREGON 97208
TELEPHONE: 225-2111

April 30, 1971

The Alaskamin Company
c/o Mr. William B. Murray
702 Failing Building
Portland, Oregon

Attention: Mr. Charles K. Shanks, President

Gentlemen:

We appreciate your application for a loan of $200,000 for the purpose of exploring mining claims in the McGrath A-2 Quadrangle, Alaska.

We regret we cannot make the loan and decline on the basis of our conversation with your representative and on the basis of your application as submitted.

Cordially,

Harry E. White
Vice President

HEW:sc

2. Applicant's Rights in Land

(a) The Alaskamin Company is the owner and holds by location the lode mining claims which it proposes to explore for silver. There are no liens or encumbrances or adverse claimants to the land held by the Company, for which exploration is planned.

(b) The legal description of the 40 claims which the Company proposes to explore are in Township 24 North, Range 24 West, A-2 McGrath Quadrangle, Alaska.

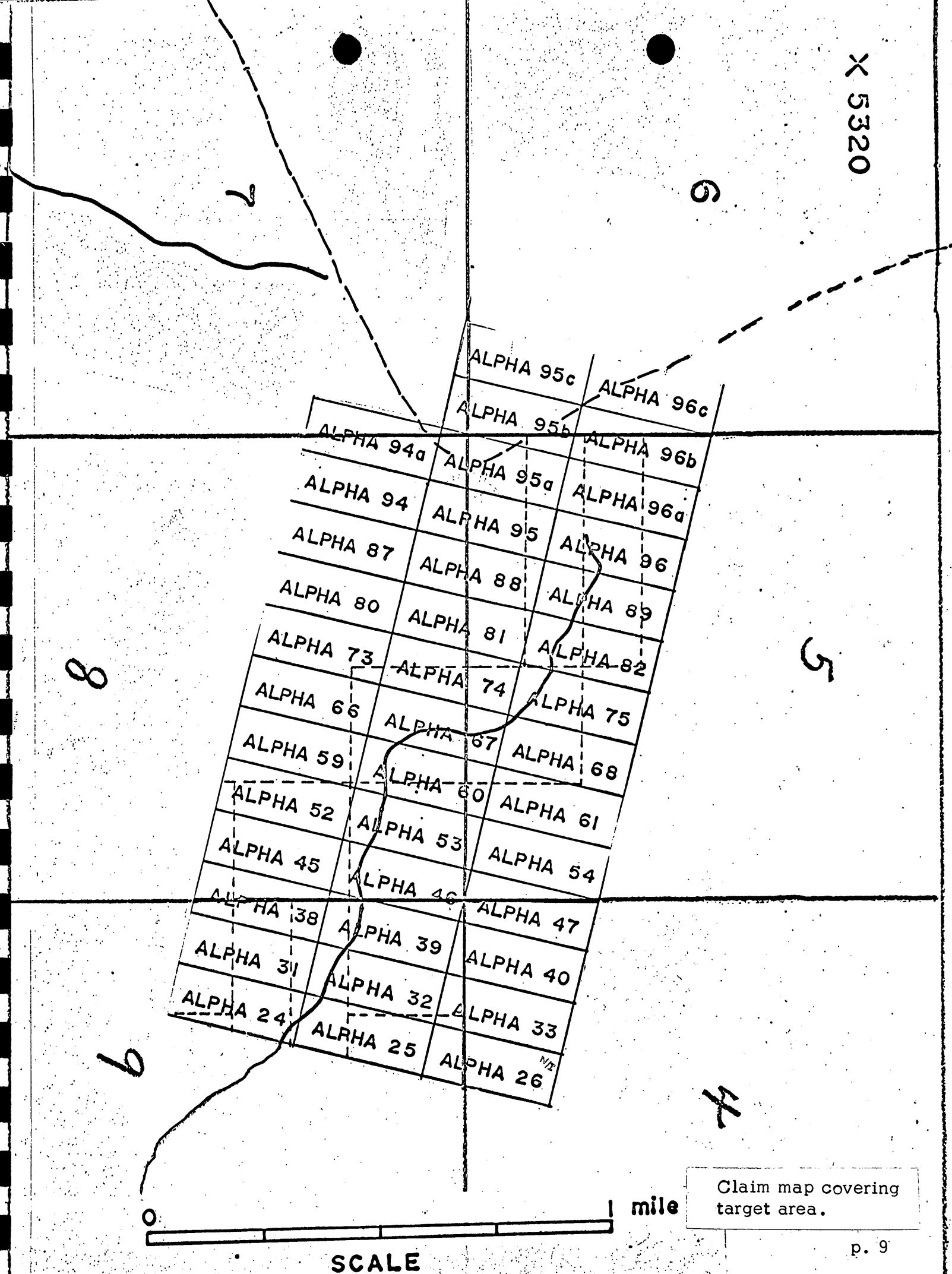
The notices of location were duly posted on the claims and copies have been recorded in the Mt. McKinley Recording District at McGrath, Alaska.

The name of each claim, the book and page number, and certificate number and section number are as follows:

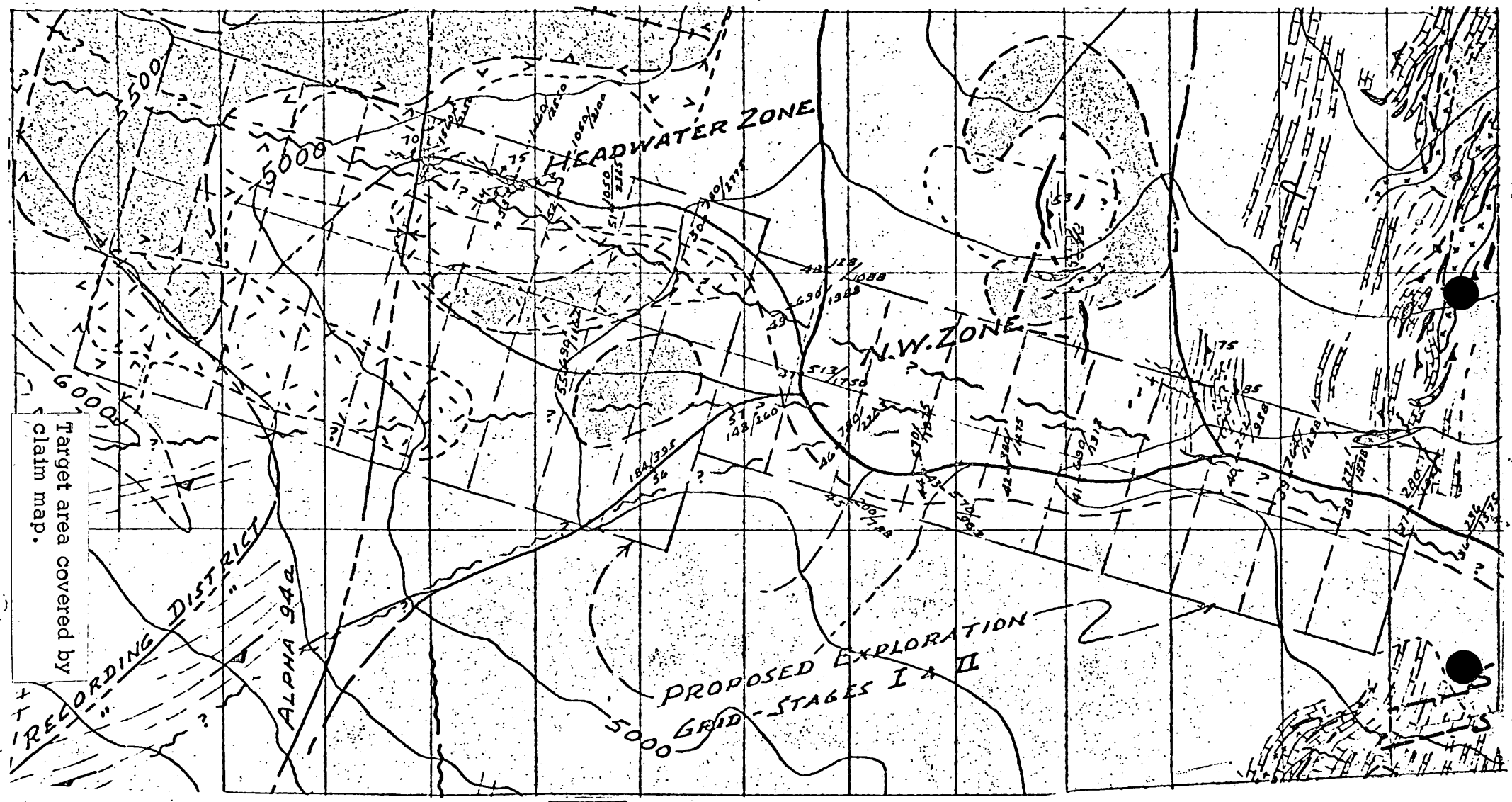
Name of Claim	Book No.	Page No.	Cert. No.	Section No.
Alpha 94a	4	211	68-350	7 & 8
Alpha 94	3	375	68-135	8
Alpha 87	3	368	68-118	8
Alpha 80	3	361	68-111	8
Alpha 73	3	354	68-104	8
Alpha 66	3	347	68-97	8
Alpha 59	3	340	68-90	8
Alpha 52	3	333	68-83	8
Alpha 45	3	326	68-76	8
Alpha 38	3	319	68-69	8 & 9
Alpha 31	3	312	68-62	9

Name of Claim	Book No.	Page No.	Cert. No.	Section No.
Alpha 24	3	305	68-55	9
Alpha 95c	4	214	68-353	6 & 7
Alpha 95b	4	213	68-352	5, 6 & 7
Alpha 95a	4	212	68-351	5 & 7
Alpha 95	3	376	68-126	5 & 8
Alpha 88	3	369	68-119	5 & 8
Alpha 81	3	362	68-112	5 & 8
Alpha 74	3	355	68-105	5 & 8
Alpha 67	3	348	68-98	5 & 8
Alpha 60	3	341	68-91	5 & 8
Alpha 53	3	334	68-84	5 & 8
Alpha 46	3	327	68-77	5, 8 & 9
Alpha 39	3	320	68-70	8 & 9
Alpha 32	3	313	68-63	9
Alpha 25	3	306	68-56	9
Alpha 96c	4	220	68-359	6
Alpha 96b	4	219	68-358	5 & 6
Alpha 96a	4	218	68-357	5
Alpha 96	3	377	68-127	5
Alpha 89	3	370	68-120	5
Alpha 82	3	363	68-113	5
Alpha 75	3	356	68-106	5
Alpha 68	3	349	68-99	5

Name of Claim	Book No.	Page No.	Cert. No.	Section No.
Alpha 61	3	342	68-92	5
Alpha 54	3	335	68-85	5
Alpha 47	3	328	68-78	4, 5 & 9
Alpha 40	3	321	68-71	4 & 9
Alpha 33	3	314	68-64	4 & 9
Alpha 26	3	307	68-57	4 & 9



Claim map covering target area.



LEGEND:

- Limestone
- Siltstone, Argillite, Shale
- Granodiorite & Granodiorite Porphyry
- Intrusion Breccia
- Felsite & Felsic Porphyry
- Dike (per air-photo interpretation)
- Mineralization - incl. Fe-Zn-Pb-Cu sulphides
- Fault - mapped & interpreted
- Bedding Trend; showing inclined, horizontal, & vertical dips.
- Bedding, overturned - per air-photo interpretation
- Stream-sediment sample - showing p.p.m. Pb/p.p.m. Zn
- Color Anomaly (per air-photo interpretation)

3. Physical Description

(a) Some forty-five trenches were cut on some fifty-three outcrops north and south of Bowser Creek. See James Nieland's sketch of Bowser Creek looking west up Bowser Creek. These trenches were sampled and mapped by William M. Sharp, P.Eng., geologist and mining engineer.

Dwg. No. 1 - Detailed Geology & Sampling, S-1 & S1-A Zones, 1"=20' (p. 19)

Dwg. No. 2 - Detailed Geology & Sampling, S-2 Zone, 1"=20' (p. 20)

Dwg. No. 3 - Detailed Geology & Sampling, N-2 Zone, 1"=50' (p. 21)

Dwg. No. 4 - Detailed Geology & Sampling, N-3 Zone, 1"=50' (p. 22)

Dwg. No. 5 - Composite Cross-Section, S-1 Zone, 1"=20' (p. 23)

Dwg. No. 6 - Detailed Geology & Sampling, Headwater Zone, 1"=50' (p. 24)

Dwg. No. 7 - General Geology, Bowser Creek Prospect, 1"=800' (p. 25)

Dwg. N.W. Zone, Bowser Creek - prepared by J. R. Nieland. (p. 26)

The zones within the target area selected for exploration by diamond drilling are as follows:

Lower S-1 Zone

Figure 4. The S-1 zone is south of Bowser Creek. The work done in this zone shows the best size-grade combination in the most northerly trench, the longest trench in the zone. (p. 39)

Width	Ag oz	Ft oz	Pb %	Zn %	Cu %	Remarks
12'	12.6)	91	2.52	3.82	.03)	
12'	2.6)		.72	.80	.10)	resample of above
10'	6.3	63	.11	.20	.02	
12'	2.5	30	.11	1.01	.01	
6'	51.3)	110			)	
12"	136.0)				)	same narrow zone
8"	250.3)				)	

Width	Ag oz	Ft oz	Pb %	Zn %	Cu %	Remarks
11.5'	28.5	328	9.51	4.94	.05	
11.0	5.2	57	Tr	3.10	.03	
11.5	.3	3	.29	.65	.02	
8.5	.9	8	.10	2.59	.03	
9.5	1.8	17	.77	1.75	.02	
9.5	7.3	69	2.35	2.20	.02	
14.0	7.5	105	2.04	.95	.04	
11.0	.1	1	Tr	.25	.02	
2.0	16.2	32	32.42	3.29	.08	
123		914				

Average 7.4 oz. Ag.

This trench cut the "hot spot", selected sample No. 11 R 3 111, which assayed 309.8 ounces silver per ton reported in USGS Circular 569 p. 13.

Drawing No. 1 shows assays of nine samples representing a true width of eighty feet with the following averages.

Ag, 7.3 oz./ton	@	$1.60/oz.	- $11.70
Pb, 2.3%	@	13.5¢/lb.	- $ 6.20
Zn, 2.0%	@	15.0¢/lb.	- $ 6.00
Cu, 0.03%	@	50.35¢/lb.	- ----
Gross Value per ton - - -			$23.90

Lower North-2 Zone (Figure 5) (p. 40)

Drawings Nos. 3, 4 and 7 show the area north of Bowser Creek where diamond drill holes have been planned. The geologic structure, lithology, alteration and mineralization are similar to the S-1 zone. Separate veins have been exposed on opposite sides of the central felsite dike. Both are some 150 feet long. One sample taken of the easterly showing assayed: Sharp p. 17

Ag, 3.91 oz./ton; Pb, 3.91%;
Zn, 5.84%; Cu, 0.23% across 6 ft.

The westerly showing, beneath heavy talus and exposed and sampled via two trenches, has an average metal content of:

Ag, 11.6 oz./ton; Pb, 25.6%;
Zn, 18.7%; Cu, 0.03% across 2.5 ft.

Gross value per ton - - - $125.53

Northwest Zone - Figure 6 and Drawing No. 7 (pp. 41 & 25)

The structural trends are similar to those within the North and South zones. However, metal zoning is more apparent in that there is a distinct tendency towards higher silver values within the upper showings. Two replacement veins in argillite and skarny argillite (chert?), which have been traced over strike distances exceeding 400 feet with width ranging between 5 and 14 feet. Three trenches in the down slope blanket of talus provide one bedrock exposure which assayed 10% zinc and 0.63% copper. Silver was not assayed.

Headwater Zone - Figure 6, Drawings 6 and 7 (pp. 24, 25 & 41)

This zone is cut by the headwaters of Bowser Creek. Disseminated sulfides occur within northerly margins of the large, irregular, Tertiary body of intrusive breccia. This prospect zone underlies the broad elevated bench area comprising upper Bowser Creek basin. The geological setting of these showings differs from all of the others described above. The appreciable silver content probably relates to a fine grained, dark mineral which could be gray copper.

Several trenches were blasted into bedrock and seven large, representative samples were carefully taken. The arithmetic average of all seven is roughly:

7' @Ag, 0.7 oz./ton; Pb - nil; Zn, 1.5%; Cu, 0.1%

The average of the best three is:

5.5' @Ag, 0.97 oz./ton; Pb - nil; Zn, 2.6%; Cu, 0.18%

(a) Current exploration plant includes a 1200'x100' airstrip, a 12'x16' cabin, 6 - 10'x12' tent frames, powder house and storage cabin, camp equipment includes a cook stove, washing machine, generator, lights and wiring and 2 gasoline powered rock drills and small tools.

(b) The Alaskamin Company conducted the operation described in Paragraph (a) above. The Company has employed crews up to twenty-five people at times during the 1968-70 summer seasons on the property. During 1968 the Company received technical and financial assistance from Homestake Mining Co., 650 California Street, San Francisco, California 94108 and Granby Mining Co. Ltd., 1111 W. Georgia Street, Vancouver 5, B.C. Canada. During 1970 The Alaskamin Company received technical and financial assistance from Humble Oil & Refining Co., P. O. Box 120, Denver, Colorado 80201. Falconbridge Nickel Mines, Ltd., through its subsidiary St. Eugene Mining Corporation Ltd., located ground south of the Company's holdings. In the past the Company has conducted its operations through the use of a helicopter and fixed wing aircraft, supplied by Don Sheldon, based in Talkeetna, Alaska.

(c) There has been no past production from the claims. There are not sufficient measurements of the deposit for us to say that there are proven ore reserves of consequence. Continuity of the ore which outcrops on the surface remains to be proven. The width and depth of the deposits remain to be established. The quantity and quality of the ore bodies must be determined and their cubic footage calculated in tons. Bowser Creek cuts through the range like a giant bulldozer and gives us a vertical range of some 2,000 feet of mineralization. The 600 foot wide and mile and one-half long mineral zone

reported by the U.S.G.S. is apparent on the surface. Its extent and commercial importance can only be determined by further work.

(d) This is virgin ground and a new mining district. It was discovered in 1967 by an exploration party sent out by the U.S.G.S. under Department of the Interior's heavy metals program. It is described in the following reports:

1. Reed, Bruce L. and Elliott, Raymond L. Lead, Zinc and Silver Deposits at Bowser Creek, McGrath A-2 Quadrangle, Alaska, U.S.G.S. Circular 559 (1968).

2. Reed, Bruce L. and Elliott, Raymond L., Geochemical Anomalies and Metalliferous Deposits between Windy Fork and Post River, Southern Alaska Range. U.S.G.S. Circular 569 (1968).

3. Elliott, Raymond L. and Reed, Bruce L., Results of Stream-Sediment Sampling between Windy Fork and Post River, Southern Alaska Range, U.S.G.S. Open File Report (1968).

4. Reed, Bruce L. and Elliott, Raymond L., Results of Stream Sediment Sampling in Parts of the Southern Alaska Range, U.S.G.S. Open File Report (1968).

(e) Middle or late Ordivician sediments, limestone, inter-bedded shale and limestone, argillite and siltstone are the invaded rocks in the Bowser Creek drainage. These rocks are largely deformed into folds and trend N 13° E with vertical axial planes or dip slightly to the East-Southeast.

The invading Tertiary rocks are two breccia bodies each about one mile across, a granodiorite porphyry body about 800 feet across, felsite and mafic dykes.

Locally in the target area the Bowser Creek fault trends N 55° W, a fault to the North trends N 32° W, a fault to the South trends N 60° W. These faults converge and intersect within the target area and may control concentrations of mineral bearing fluids from below.

Likely the sources of the mineralizing fluids were at sub-depth below the intrusive breccia and granodiorite stock. The fluids were released upwards from their deep-seated reservoirs in the direction of decreasing pressure.

Argentiferous minerals occur as replacement deposits in the limestone and as fissure veins in the igneous rocks. Silver and copper minerals are disseminated in the headwaters basin of Bowser Creek.

(f) The Company expects to find ore in the target area for the following reasons:

1) "Assay results from sampling carried out by both the U.S.G.S. geologists and Homestake Mining Co. geologists indicate Ag values ranging up to 250 ounces per ton." J. Buchholz, p. 3 (1968).

2) Silver values in its "hot spot" for a width of approximately twenty feet in the most northerly trench in the S-1 zone are of high grade. The average for 123 feet was 7.4 ounces per ton in silver. D. J. Hames, P. Eng., geologist, p. 8 (1968).

3) The size-grade combination in the most northerly trench in the S-1 zone shows gross values per ton of $23.90 for a true width of 80 feet.

4) "Continuity of mineralization appears to be good as is evident from the fact that zones north and south of Bowser Creek are on strike adjacent to an intrusive limestone contact." J. Buchholz, p. 3 (1968).

5) "Several interesting stream sediment anomalous areas outlined by U.S.G.S. geologists in the summer of 1967 indicate that a mineralized belt at least 25 miles long by 15 miles wide warrants further exploration." J. Buchholz, p. 3 (1968).

6) "... The overall results would appear to confirm the opinion

stated in U.S.G.S. Circular 559: 'The number of occurrences with locally high silver content, their possible continuity beneath surficial deposits, and a favorable geologic environment suggest that the area has economic potential for base and precious metals.'" Sharp, p. 2 (1971).

7) Ratios of Ag - Pb range up to 4:1.

8) The best showings in the mineralized zone are in the target area. The geologic environment favors a discovery of commercial ore bodies.

(g) The following geologic or engineering reports and assay plans are attached to this application and need not be returned to the Company.

1) William M. Sharp, P.Eng., consulting geologic engineer, Bowser Creek Prospect in McGrath A-2 Quadrangle, Alaska, March 1971.

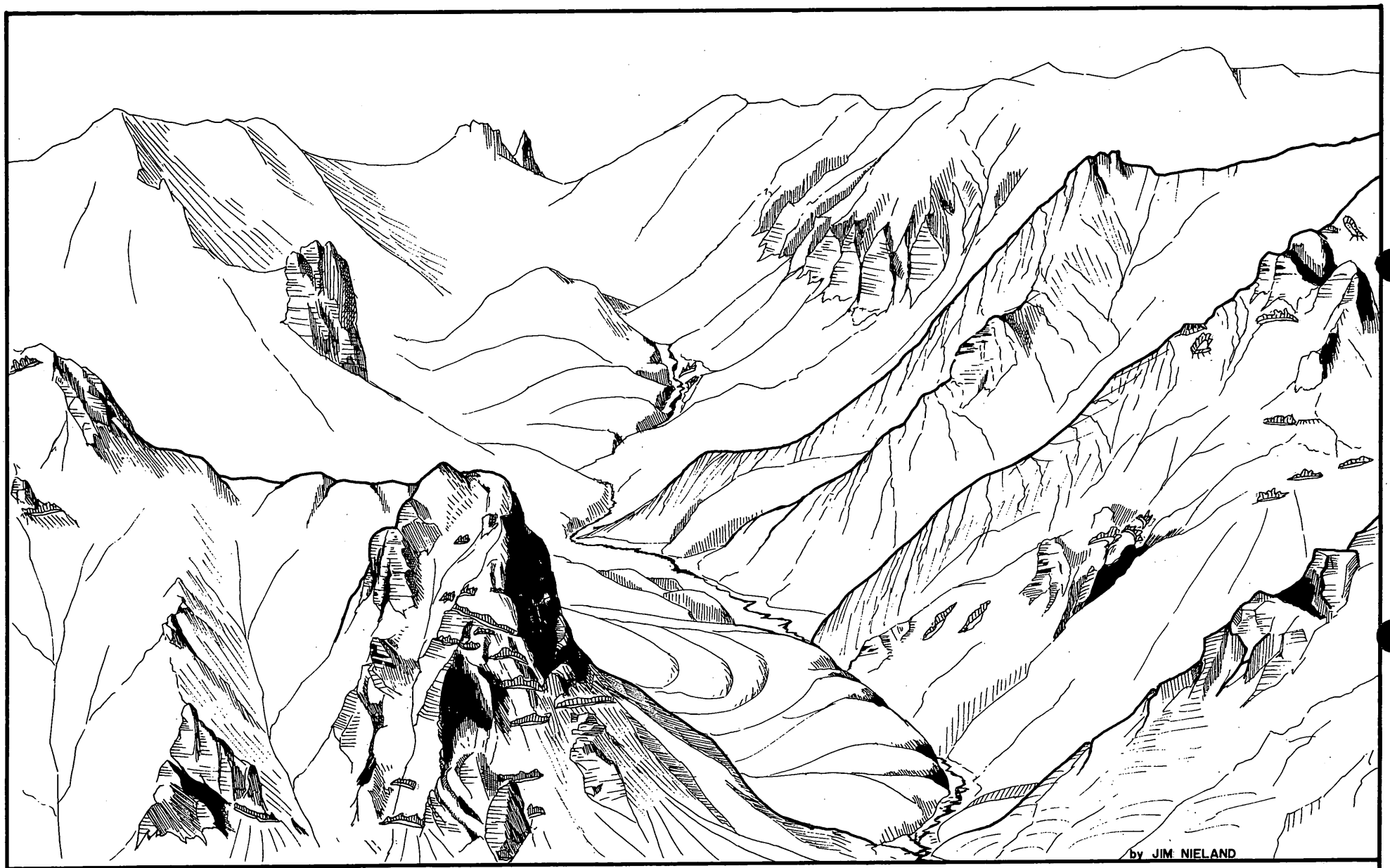
2) J. Buchholz, Geologist, Alaskamin Prospect, Bowser Creek Alaska, 1968.

The Company has the following reports and comments concerning the Bowser Creek property, which for the most part are covered by the Sharp report. They are cumulative, but will be made available if requested.

3) Robert E. Anderson, M. E., Geologic Observations and Comments, Alaskamin Bowser Creek Prospect, McGrath A 2 Quadrangle. Division of Mines and Geology of Alaska, 1968.

4) James M. Orr, BA.Sc., M. Sc. Stanford, California, A Proposal on the Alaskamin Prospect Near Bowser Creek, McGrath, Alaska, 1968.

5) Lee C. Armstrong, Ph.D., Chief Geologist and Mining Engineer, E. J. Longyear Company, Minneapolis, Minnesota, Views on the Bowser Creek Area, McGrath, A-2 Quadrangle, (1969).



BOWSER CREEK TRENCHING PERSPECTIVE "1968"

THE ALASKAMIN COMPANY, MC GRATH A-2 QUADRANGLE ALASKA

4. Accessibility of Property

(a) The persons who will aid the OME representative who may examine the property, meet him, give directions for reaching the property, or accompany him, are:

1) James M. Orr, geologist, University of Alaska, College, Alaska. He will meet the representative in Anchorage.

2) Don Sheldon, Sheldon's Air Service, Talkeetna, Alaska. He will meet the representative in Anchorage.

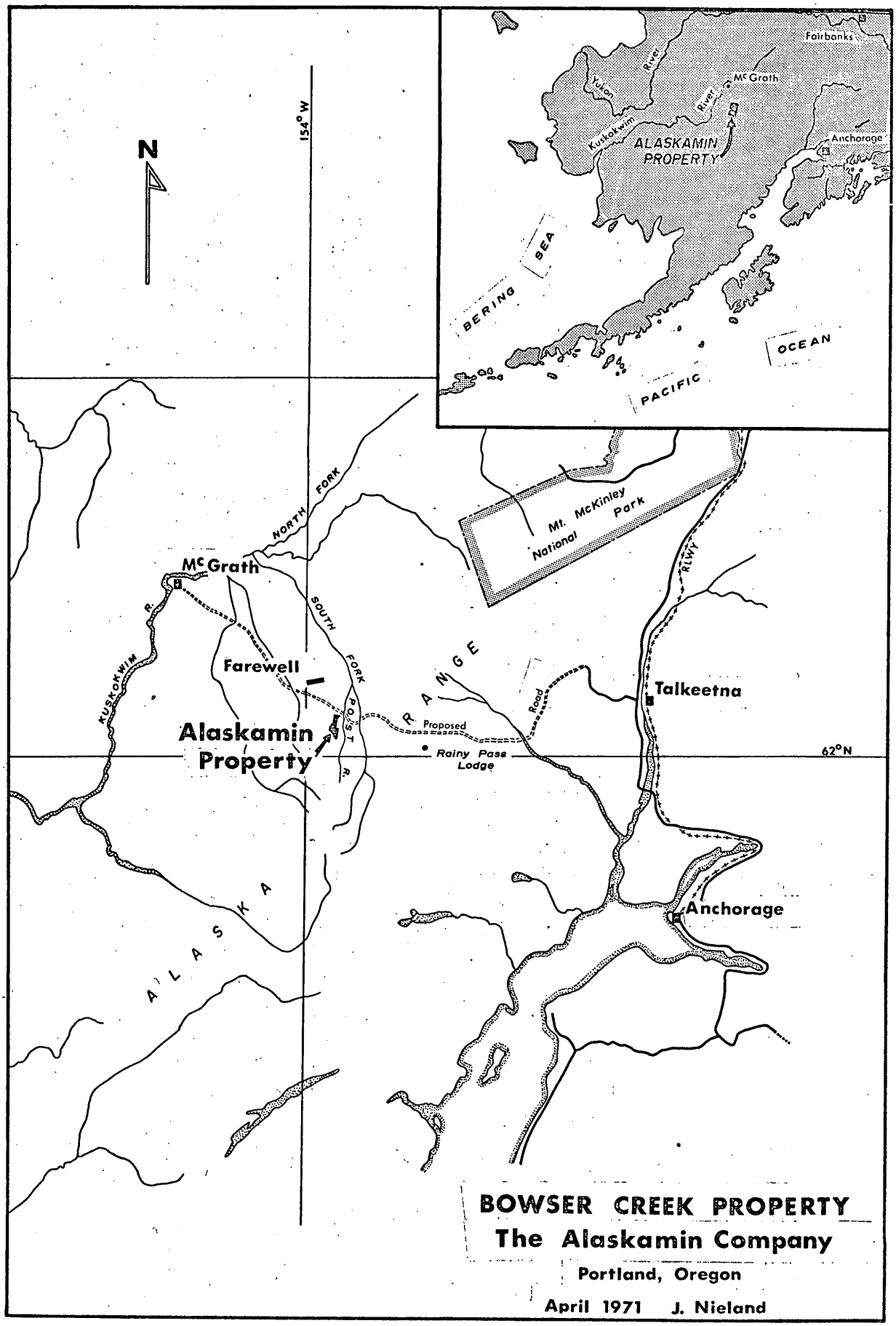
3) William B. Murray, 618 S.W. Fifth Avenue, Suite 702, Portland, Oregon 97204. He will make arrangements for the OME representative to examine the property.

(b) The property lies about 150 miles northwest of Anchorage, Alaska. Up to the present time, it has been reached by light aircraft from Anchorage or Talkeetna, landing on the Company's 1200 foot gravel airstrip beside the Post River at the mouth of Bowser Creek. From there, the target area lies some three miles westward up Bowser Creek. The Company's plan to enlarge its airstrip to 3,000 feet to accomodate larger planes and to build an access road to the drill sites in the target area this summer is discussed at page 37.

The nearest facilities now in existence are the 5,000 foot gravel airstrip maintained by the Federal Aviation Agency at Farewell, 23 air miles northwest of the camp. A scheduled airline makes a weekly stop at Farewell. The nearest source of gasoline and supplies is McGrath, about 62 air miles northwest of Farewell. From McGrath, river barge transportation to the Pacific Ocean is available.

Proposed for construction in the future is a road planned and surveyed by the Alaska State Highway Commission. This would run from Talkeetna,

which is already connected to Anchorage by highway and by the Alaskan Railroad, would pass a short distance to the north of the property, and go on to Farewell and then to McGrath. When that road is built, the Company will have road access to river transportation to the ocean from McGrath and road access to Talkeetna, with railroad and highway transportation available from there to Anchorage. In the meantime, it would be feasible to extend a tractor trail to McGrath in the winter, and a road to the property from Farewell could be bulldozed economically within a relatively short time along the valley of the Post River.


N
154° W
62° N
Fairbanks
Yukon
River
McGrath
River
Kuskokwim
ALASKAMIN PROPERTY
Anchorage
BERING
SEA
PACIFIC
OCEAN
Mt. McKinley National Park
NORTH FORK
McGrath
SOUTH FORK
KUSKOKWIM R.
Farewell
Alaskamin Property
POST R.
RANGE
Proposed Road
Rainy Pass Lodge
Talkeetna
RLWY
Anchorage
ALASKA
BOWSER CREEK PROPERTY
The Alaskamin Company
Portland, Oregon
April 1971 J. Nieland

5. Exploration Work

(a) The Company plans to drill 11 diamond drill holes for a total of 3,000 feet. It plans to start the holes with wire line core barrel bits and reduce if necessary to BX or AX to complete the holes.

Designation	Core Barrel Bit Inside Diam.	Core Barrel Bit Outside Diam.	Hole* Approx. Diam.	Core Approx. Diam.
NX	2-3/16"	2-15/16"	3"	2-1/8"
BX	1-11/16"	2-5/16"	2-3/8"	1-5/8"
AX	1-7/32"	1-27/32"	1-7/8"	1-1/8"

*Assuming hole 1/32" larger than bit and listing diameters to nearest 1/8 inch.

Lower S-1 Zone (5 diamond drill holes figure 4) (p. 39)

S-1 DDH #1 150' bearing S 30° W, inclination 50°, collar elevation 4090'.

S-1 DDH #2 250' bearing S 30°E, inclination 35°, collar elevation 4090'

S-1 DDH #3 250' bearing S 55° E, inclination 35°, collar elevation 4090'

S-1 DDH #4 200' bearing S 35° W, inclination 35°, collar elevation 4000'

S-1 DDH #5 200' bearing S 20° E, inclination 35°, collar elevation 4000'

Lower N-2 Zone (3 diamond drill holes figure 5) (p. 40)

Lower N-2 DDH #6 300' bearing S 15° W, inclination 45°, collar elevation 4500'

Lower N-2 DDH #7 350' bearing S 30° E, inclination 45°, collar elevation 4500'

Lower N-2 DDH #8 400' bearing due North, inclination 35°, collar elevation 4100'

Northwest Zone (1 hole figure 6) (p. 41)

DDH #9 300' bearing N 60° W, inclination 45°, collar elevation 4250'

Headwater Zone (2 diamond drill holes figure 6)

Headwater DDH #10 300' bearing N 46° E, inclination 45°, collar elevation 4750'

Headwater DDH #11 300' bearing N 45° E, inclination 45°, collar elevation 4750'

The mineralized areas strike and extend N. 13° E for about 1-1/2 miles, with a width of approximately 600 feet, U.S.G.S. Circular 569, p. 22. The continuity of this zone cannot be proven except by diamond drilling through the talus slopes north and south of Bowser Creek to cut the structure below.

The Lower S-1 Zone, five diamond drill holes, are designed to drill into the structure beneath the talus slopes below the best size-grade combination in the most northerly trench which cut the "hot spot" with weighted silver average of 7.4 OZ per ton for 123' in width. It is interesting to note that four samples in the trench for a width of close to twenty feet show weighted average of over 50 oz. ag. per ton as follows:

Width	OZ. per Ton of Silver
6'	51.3
12"	136.0
8"	250.3
11.5'	28.5

The Lower N-2 Zone, (three diamond drill holes) are designed to cut the same structure north of Bowser Creek.

The Northwest Zone, (1 diamond drill hole) is designed to cut the same structure north of Bowser Creek.

The Headwater Zone (2 diamond drill holes). This zone is in a different geological setting, where disseminated copper and silver minerals have been found, in the Bowser Creek basin underlain by breccia. When this area was sampled by Dr. Neil Campbell for Humble Oil & Refining Company in 1969, Dr. Campbell commented about the "very fine assays" of his samples taken from this area. The atomic absorption assays from samples taken at Bowser Creek by Dr. Campbell are as follows:

Sample #	Cu (ppm)	Mo (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)
A1	24	4	238	96	2
A2	30	2	820	56	2
A3	56	4	360	480	6
A4	30	10	704	110	4
A5	54	6	6000	34	220
A7	40	30	218	76	4
A8	50	24	284	168	6
A9	56	22	690	68	4
A10	58	4	2600	172	4
A11	20	18	680	96	4
A12	122	12	200	948	20
A13	1690	4	6.20%	104	28
A14	1260	ND	3.17%	120	24
B1	130	8	896	316	5
B2	1140	8	5.70%	2300	20
B3	90	ND	778	106	4

Sample #	Cu (ppm)	Mo (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)
B4	146	24	11.00%	3.28%	60
B5	1740	10	1.66%	5.00%	120
B6	68	20	2274	786	28
B6	36	36	530	3400	8
B7	1410	10	1.56%	1.89%	170
B9	960	14	4.56%	1.82%	100
B10	450	16	4800	1.93%	200
B11	188	20	1.87%	1.00%	164
B12	246	32	1.40%	2.18%	150
B13	288	20	1.16%	7320	160
B15	354	14	2.30%	420	30
B16	38	18	4400	660	20
B17	66	22	1.25%	3000	50
B18-19	1070	12	2.96%	1.96%	120
B20	30	24	618	242	6
B21	50	24	1.00%	2.05%	186
B22	148	16	7.60%	1.69%	260
B23	1540	12	5.00%	6100	26
B24	490	18	6.76%	2240	144
B24A	490	14	1.87%	1.626%	264
B25	400	18	5200	9600	134
B26	46	18	767	114	8
B27	20	18	124	160	56

Sample #	Cu (ppm)	Mo (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)
B28	618	18	200	60	4.2
B29	3740	10	5.216%	510	38
B29A	38	10	238	26	2
B30	198	ND	128	60	5
B31	138	14	836	120	8
F1	430	30	1.48%	1.858%	306
F15	68	ND	14.00%	1.61%	118
J1	920	ND	4200	4250	6
J2	2440	12	2.57%	4100	130
J6	9360	ND	916	72	140
J7	1550	8	344	32	148
J8	2280	ND	80	204	26
J9	1830	ND	770	420	20
J10	8260	ND	400	26	138
J11	1170	4	270	24	12
J12	2540	10	304	20	26
J14	1.276%	ND	2.50%	208	34.8
N2	42	ND	482	26	2
N3	134	4	300	28	8
N4	44	2	348	22	2
N5	76	ND	712	30	2
N6	1260	10	5600	8	8
N7	172	ND	48	10	2

Sample #	Cu (ppm)	Mo (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)
N8	530	8	2.80%	96	10
N9	72	12	1830	2130	30
N13	2440	12	2400	112	36
NC3	90	6	270	18	4
NW#1	4160	6	5.05%	22	12
NW#3	2.80%	ND	3900	60	118
NW4A-1	78	12	80	54	4
NW4A-2	54	8	40	10	4
NW4A-3	56	10	47	30	12
NW4A-4	66	10	50	36	2
NW5	2010	8	1440	18	26
NW9	1.50%	4	1980	214	186
NW10	6000	2	506	52	120

The Company plans to contract the diamond drilling. The Company will agree to pay diamond bit costs in excess of $1.10 per foot, cement and drilling mud and core boxes. The Company will prepare 11 drill sites and construct shelter for storage of core samples at its Bowser Creek camp. The Company is to pay mobilization from Anchorage, Alaska to Bowser Creek and return to Anchorage. The Contractor agrees to drill the holes specified and plug the holes when completed as required by Alaska law.

Geophysical Survey: is proposed to establish the gridpattern shown in drawing 7. The Company proposes to make an Electro-Magnetic survey for

ten miles. Readings are to be taken at each 100 feet. The grid is established to include Bowser Creek lower S-1 zone, lower N-2 zone, lower Northwest zone and headwater zone, S-2 zone and N E. extension and the N-2 zone between 10 - 00N and 16 - 00N. The Company proposes to carry out detailed geologic mapping of unmapped exposures within the above grid, record data and evaluate the same for the purpose of planning a second stage exploration program. It is planned to do this work with a geologist-geophysicist and junior geologist, who will also examine, log and preserve the core drill samples.

(b) Access Road: to be built. The proposed location of the road from the Bowser Creek camp to the headwater zone is shown on drawing 7. It is planned to keep the road to a grade of 10% or less.

For the first map mile, the road will climb about 500 feet in one and one quarter road miles. There would be 66 stations (100 feet each).

The second map mile would require a climb of 1,000 feet in two miles of road. This would require 105 stations (100 feet each).

The third map mile would climb 500 feet and would require one and one half miles of road with 79 stations (100 feet each).

It would be necessary to install culverts for one crossing of Bowser Creek. The total road length would be four and three quarters miles necessary to maintain grade and cover the three map miles from Bowser Creek to the headwater zone. The road would be a four-wheel drive vehicle road and would cut through several mineral zones.

The Company plans to fly a D-6 caterpillar tractor , or equivalent, from Fairbanks to the Farewell air strip and to walk the tractor from the Farewell airstrip to the Bowser Creek property. The tractor is to be equipped

with hydraulic blade and to have a ripper.

Airstrip: The present airstrip is 1200 feet long and about 100 feet wide. It is planned to repair the present airstrip and to extend it to about 3,000 feet. The extended airstrip will allow larger planes to land at the Bowser Creek camp, will reduce the freight costs and will permit the Company to fly a Dodge Power Wagon and other heavy equipment to and from the camp. It should probably not take more than 48 hours of "cat" time to repair and extend the strip. The strip is on a gravel bar adjacent to Post River in a canyon in which the prevailing wind blows either up or down the canyon.

(c) Time Factors: If an OME contract is executed, the Company would like to start the work on or before July 1, 1971 and to finish the work before September 1, 1972. This would allow July and August of the 1971 season and July and August of the 1972 season to complete the work. It would be possible to do all the work in one season by working two and three shifts. Daylight lasts around the clock and the Company would make an effort to complete the work during the first season, but should it be unable to do this, it wishes to be allowed to complete it in the 1972 season.

The diamond core drilling is estimated to progress at the rate of 20 feet per 8-hour shift.

It is expected that the access road can be advanced three 100 foot stations per 8 hour shift, and that to complete the road in July and August of 1971 it would be necessary to operate two shifts. It could be completed more quickly by operating three shifts.

It is estimated that approximately two days "cat" time would be necessary to construct each diamond drill station with catskinner and

helper. Eleven drill sites would take twenty-two 8-hour shifts.

Within the two months period, the geologist-geophysicist and junior geologist should complete the Electro-Magnetic Grid survey and geologic work mentioned above.

The outside consultant will be Dr. Lee Armstrong, chief geologist, E. J. Longyear Company, who will examine the work and write the final report for the OME. This will take an estimated 20 days.

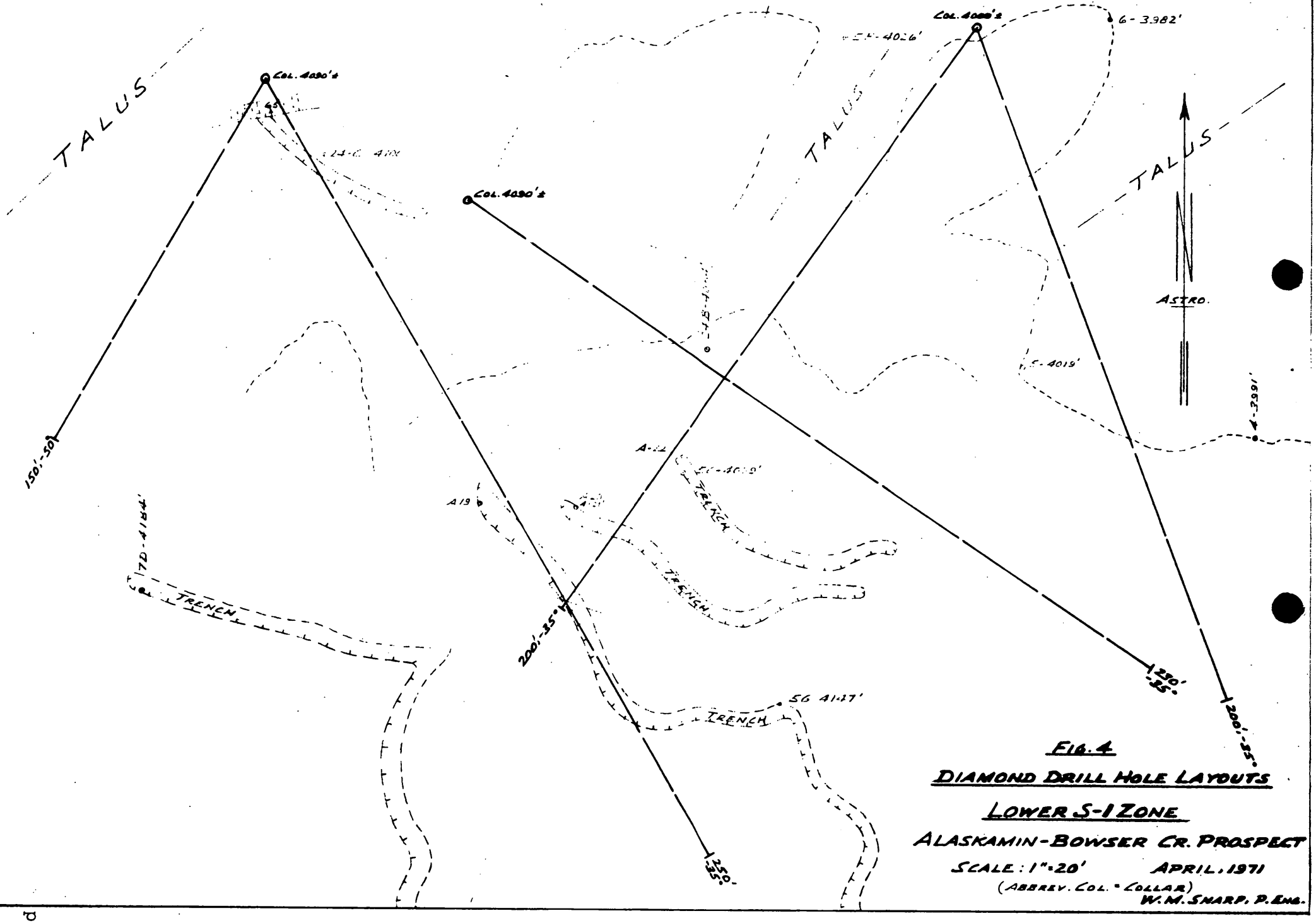


FIG. 4

DIAMOND DRILL HOLE LAYOUTS

LOWER S-1 ZONE

ALASKAMIN-BOWSER CR. PROSPECT

SCALE: 1" = 20' APRIL, 1971

(ABBREV. COL. = COLLAR)

W. M. SHARP, P. ENG.

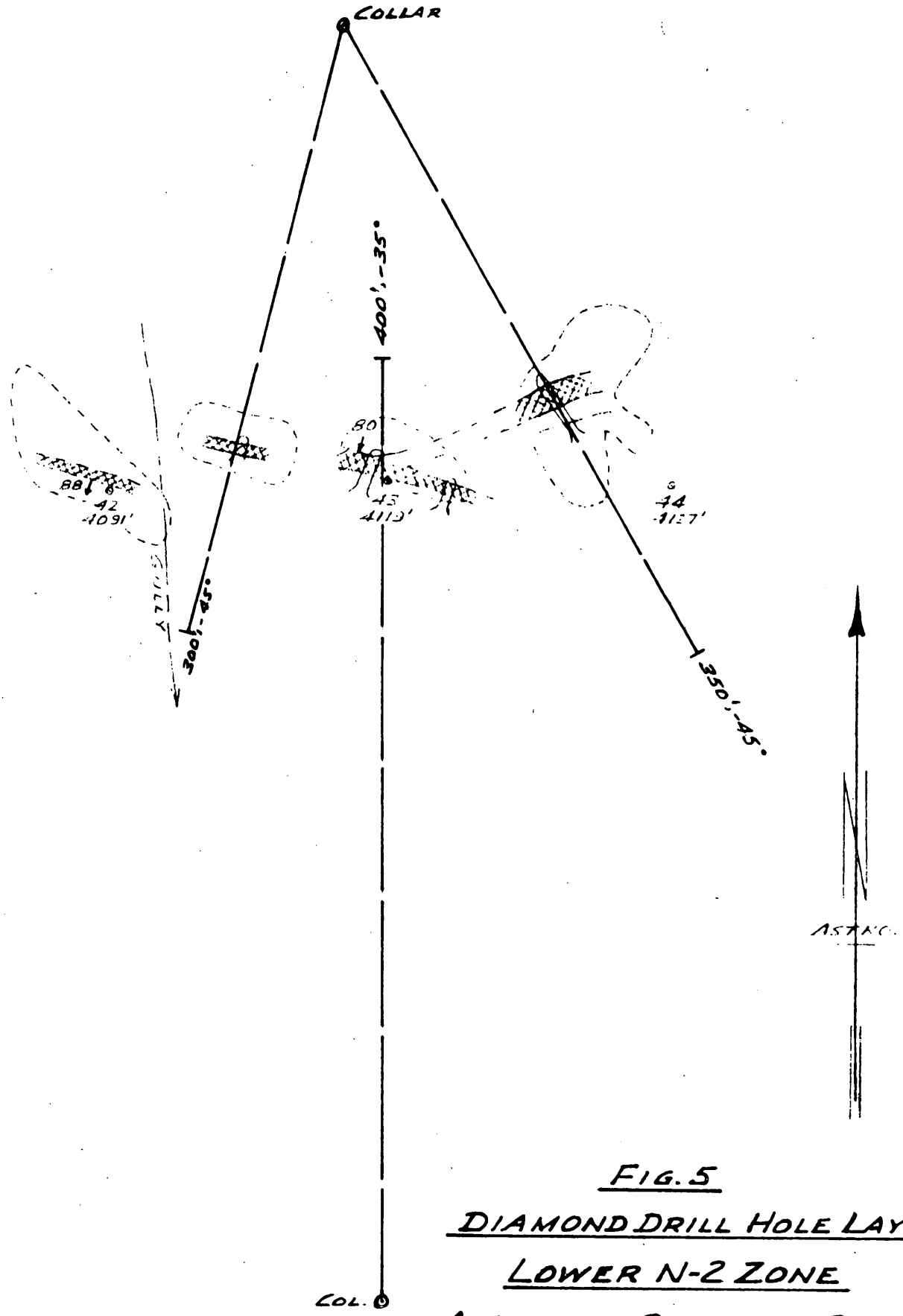


FIG. 5

DIAMOND DRILL HOLE LAYOUTS

LOWER N-2 ZONE

ALASKAMIN-BOWSER CR. PROSPECT

SCALE: 1" = 50' APRIL, 1971

W.M. SHARP, P. ENG.

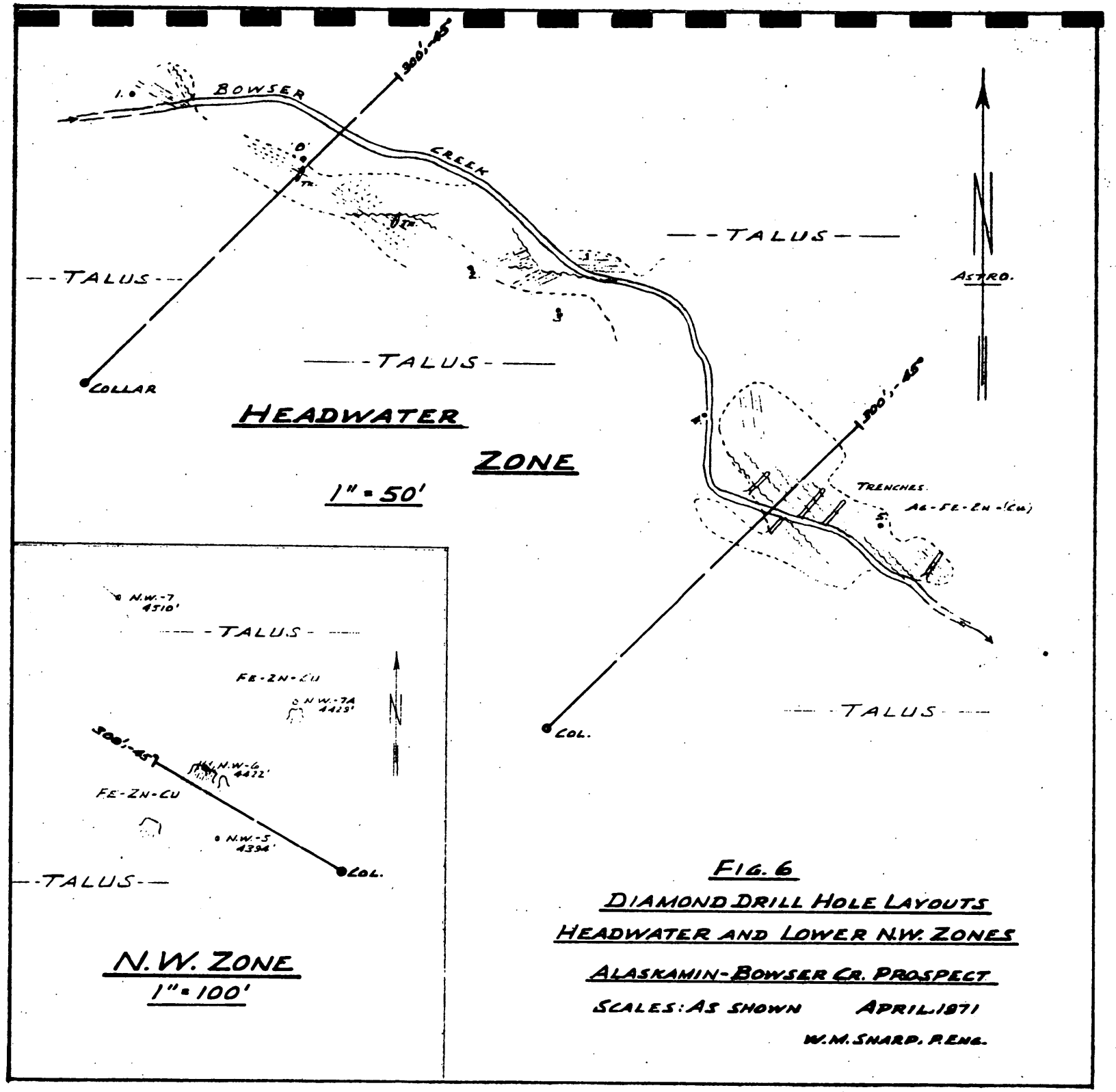


FIG. 6

DIAMOND DRILL HOLE LAYOUTS

HEADWATER AND LOWER N.W. ZONES

ALASKAMIN-BOWSER CR. PROSPECT

SCALES: AS SHOWN APRIL 1971

W.M. SHARP, P.ENG.

6. Experience

(a) The Company has had three years' experience in exploring the Bowser Creek property and other properties in Alaska.

(b) The field work will be under the supervision of James M. Orr, B.Sc. and M.Sc., Geologist and Mining Engineer. Mr. Orr has had more than twenty-five experiences as a mine owner, operator and consultant. At present he is the head of the Department of Geological Engineering at the University of Alaska. He will be available for summer work with the Company.

(c) The Alaskamin Company is managed by its Board of Directors, who are as follows:

Rex Ellis, Chairman of the Board, 326 S.E. Second Street, Pendleton, Oregon. Mr. Ellis is a land owner, rancher and former mine owner and operator. He served in the Oregon State Senate for many years with distinction as chairman of many key committees.

Charles K. Shanks, Director and President, 4110 S.W. Charming Way, Portland, Oregon. B.Sc. and M.Sc. in Engineering, University of Colorado and Oregon State University. Registered professional engineer. Member of Institute of Electrical and Electronics Engineers. Member National Society of Professional Engineers and Society of Exploration Geophysicists. Currently a representative of manufacturers' electronic equipment.

Kenneth C. King, Director, Secretary & Treasurer, 4029 S.W. Altadena Avenue, Portland, Oregon. Business Administration and Industrial Engineering, Oregon State University. Currently owner and manager of King Bros., Inc., a steel fabricators firm.

Bernard L. Gabrielsen, Director, 1921 Limewood Drive, San Jose, California. B.Sc. in Engineering, Oregon State University. M.Sc. and Ph.D. in Engineering, Stanford University. Currently Professor of Engineering at San Jose State College. Registered Professional Engineer. Executive Officer of a small geological engineering company.

Thomas Goodale, Director, 2120 Lexington Avenue, San Mateo, California. B.Sc. in Chemistry, University of California. Has had 15 years experience as a research chemist.

Thomas G. Schultz, Director, 19348 Columbine Court, Saratoga, California. B.S. University of Wisconsin, M.S. University of Michigan and Ph.D. Purdue University. Civil Engineer specializing in construction and transportation. Currently Associate Professor of Civil Engineering at San Jose State College.

William B. Lee, Director, 817-9th Street, Santa Monica, California. B.S. Oregon State University in Mechanical Engineering. M.B.A. at U.C.L.A., California. Currently with Douglas Aircraft as a contract negotiator.

James M. Orr, Director, University of Alaska, College, Alaska. B.Sc. and M.Sc. at California Institute of Technology. Geologist and Mining Engineer. Currently is the head of the Department of Geological Engineering at the University of Alaska, College, Alaska.

7. Estimate of Costs

(a) Independent Contract: is proposed for diamond drilling as follows:

Lower S-1 Zone

Designation of Hole	Unit	Cost per Unit	No. of Units	Total Cost
DDH-1	Ft.	$10.00 *	150	$ 1,500.00
DDH-2	Ft.	10.00	250	2,500.00
DDH-3	Ft.	10.00	250	2,500.00
DDH-4	Ft.	10.00	200	2,000.00
DDH-5	Ft.	10.00	200	2,000.00
Lower N-2 Zone				
DDH-6	Ft.	$10.00 *	300	$3,000.00
DDH-7	Ft.	10.00	350	3,500.00
DDH-8	Ft.	10.00	400	4,000.00
Northwest Zone				
DDH-9	Ft.	$10.00*	300	$ 3,000.00
Headwater Zone:				
DDH-10	Ft.	$10.00 *	300	$ 3,000.00
DDH-11	Ft.	10.00	300	3,000.00
Totals			3,000	$30,000.00

* Based on $10.00 per foot for NX core. If size of hole is reduced, cost for BX core would be $9.00 per foot and for AX core $8.00 per foot.

(b) Personal Services:

Type of Service	Unit	Cost per Unit	No. of Units	Total Cost
Outside Consultant	Day	$ 150.00	20	$ 3,000.00
Engineering & Geological:				
1 Geologist-Geophysicist	Mo.	1,400.00	2	2,800.00
1 Junior Geologist	Mo.	800.00	2	1,600.00
Labor:				
1 Cook	Mo.	600.00	3	1,800.00
1 Laborer	Mo.	500.00	3	1,500.00
1 Cat Operator (Day Shift)	Day	60.00	58	3,480.00
1 Cat Operator (Swing Shift)	Day	60.00	58	3,480.00
1 Cat Helper (Day Shift)	Day	40.00	58	2,320.00
1 Cat Helper (Swing Shift)	Day	40.00	58	2,320.00
Total				$22,300.00

(c) Operating Materials and Supplies:

Item				
Tents	Ea.	$ 125.00	3	$ 375.00
Small Tools	Day	3.00	60	200.00
Explosives & Accessories	Box	33.25	16	532.00
Pickets & General Engineering Supplies	Day	3.00	60	180.00
Core Boxes & Covers	Ea.	1.50	300	450.00
Water Supply Line	Ft.	.15	3000	450.00
Gasoline	Gal.	.40	2500	1,000.00
Diesel Fuel	Gal.	.30	1200	360.00

(c) Operating Materials and Supplies: (continued)

Item	Unit	Cost per Unit	No. of Units	Total Cost
Oil, Grease, etc.	Day	$ 3.00	81	$ 243.00
Excessive Diamond Bit cost	Ft.	.15	3000	450.00
Cement	Sack	4.50	30	135.00
Drilling Mud	Sack	1.00	50	50.00
Drill Steel for Jackhammer:				
2' Length	Ea.	10.50	8	84.00
4' Length	Ea.	13.50	8	108.00
6' Length	Ea.	16.95	2	33.90
1-7/8" Bits for Jackhammer	Ea.	16.65	60	999.00
Culverts, 12 gauge galvanized 36" Diam.	Ft.	13.00	72	936.00
Food *	Meal	1.50	3780	5,670.00
Total				$12,255.90

* The Company agrees to board contractor's drill crew of 6 men for 90 days and as additional compensation agrees to board its own 8 employees for 90 days.

(d) Operating Equipment:

Purchases

Used Cat D-6, TD 15 or Allis-Chalmers equivalent 38000 lbs with Ripper & Hydraulic Blade (New price $54,000.00)	Ea.	$32,500.00	1	$32,500.00
Used Sullair 150 Cu FM 4200 lbs. (New price $4,800.00)	Ea.	3,500.00	1	3,500.00

(d) Operating Equipment: (continued)

Purchases

Item	Unit	Cost per Unit	No. of Units	Total Cost
Used Dodge Power Wagon with heavy tires & winch (New price $5,000.00)	Ea.	$2,500.00	1	$ 2,500.00
New McCulloch 28" Chain Saw, Model 10-10 (15 lbs.) (or Model 10-10 Automatic is $217.95)	Ea.	197.95	1	197.95
New Jack Hammer - 50 lb.	Ea.	900.00	1	900.00
New Jack Hammer - 40 lb.	Ea.	840.00	1	840.00
Rentals				
Electro-Magnetic equipment	Day	20.00	30	600.00
Total				$41,037.95

(e) Initial Rehabilitation and Repairs: The repair of the airstrip and extension thereof is shown under Categories (b), (c), and (g).

(f) New Buildings: A shelter in which to store diamond drill core boxes and samples is planned to be constructed of logs by one laborer employed during the 90-day period. His wages have been calculated under Personal Services (b).

(g) Miscellaneous:

Repairs and Maintenance	Unit	Cost per Unit	No. of Units	Total Cost
D. C.-6 Cat or equivalent	Day	15.00	58	870.00
Dodge Power Wagon	Day	3.00	58	174.00

(g) Miscellaneous: (continued)

Repairs and Maintenance	Unit	Cost per Unit	No. of Units	Total Cost
Jack Hammers	Day	$ .50	58	$ 29.00
Compressor	Day	1.00	58	58.00
Mobilization: (via large plane)				
D.C.-6 Cat, or equivalent & general freight, Fairbanks to Farewell	Trip	1,450.00	1	1,450.00
Dodge Power Wagon, Compressor, Jackhammers & Fuel - Anchorage to Bowser Creek	Trip	1,450.00	1	1,450.00
Diamond Drill equipment, drill steels, etc.-Anchorage to Bowser-Creek	Trip	1,450.00	1	1,450.00
Demobilization: (via large plane)				
D.C.-6 Cat, or equivalent & general freight, Farewell to Fairbanks	Trip	1,450.00	1	1,450.00
Dodge Power Wagon, Compressor, & Jackhammers Bowser Creek to Anchorage	Trip	1,450.00	1	1,450.00
Diamond Drill equipment, drill steels, etc., Bowser Creek to Anchorage	Trip	1,450.00	1	1,450.00
Personnel				
Air fare, Sheldon Air Service, over a 90-day period, Talkeetna to Bowser Creek	Trip	150.00	20	3,000.00

(g) Miscellaneous: (continued)

Services	Unit	Cost per Unit	No. of Units	Total Cost
Don Sheldon, expiditor services, purchase & handling of small supply items	Mo.	$150.00	3	$ 450.00
Rental on Radio telephone service for ordering supplies & communications, in event of emergency	Mo.	90.00	3	270.00
Accounting, services for OME reports, payroll & payroll tax reports	Mo.	100.00	4	400.00
Payroll Taxes				
Federal Social Security, 5.2% on Personal Services, 7 (b) above	%			1,159.60
Federal Unemployment, .5% on Personal Services, 7 (b) above	%			111.50
State Unemployment, 2.9% on Personal Services, 7 (b) above	%			636.70
Workmen's Compensation, 10% on Personal Services, 7 (b) above	%			2,230.00
Assays				
11 Holes, 15 Assays-per Hole	Ea.	16.00	165	2,640.00
Miscellaneous				
First Aid Kit & Medicines	Ea.	250.00	1	250.00
Total				$20,978.80

Recapitulation of Estimate of Costs

	Category	Cost
7 (a)	Independent Contracts	$ 30,000.00
7 (b)	Personal Services	22,300.00
7 (c)	Operating Materials and Supplies	12,255.90
7 (d)	Operating Equipment	41,037.95
7 (e)		None
7 (f)		None
7 (g)	Miscellaneous	20,978.80
	Totals	$126,572.65

GEOLOGICAL REPORT

on the

BOWSER CREEK PROSPECT

in the

McGRATH A-2 QUADRANGLE, ALASKA

for

THE ALASKAMIN COMPANY
Portland, Oregon

by

W. M. SHARP, CONSULTING GEOLOGIST,
North Vancouver, British Columbia.

MARCH, 1971

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Dwg. No.7 - General Geology, Bowser Creek Prospect, 1"=800'
Dwg. N.W. Zone, Bowser Creek - prepared by J. R. Nieland.

SUMMARY & CONCLUSIONS

The Bowser Creek prospect is situated approximately 150 miles northwest of Anchorage, Alaska. Access is by aircraft, from Anchorage, Talkeetna, or Farewell to a 1200-foot gravel runway near the mouth of Bowser Creek.

The silver-lead-zinc-copper showings situate within the rugged terrain of this part of the South Alaska, Range, lying above timber-line between elevations of 3500-5500 feet.

The claims area is underlain by a mid-Paleozic, closely-folded, N.N.E.-trending sequence of limey to argillaceous sediments. Parts of the gross bedding section have been complexly intruded by sheets, stocks, and plugs of felsite, granodiorite, and breccia, their emplacement being controlled by major folds and fractures. Thermal and hydrothermal alteration of the sediments, by the intrusives, has resulted in the development of chert, hornfels, and calc-silicate (skarn) assemblages. Typically, the mineralization occurs as numerous small, low to medium grade silver-lead-zinc-copper showings, as replacements of skarn and/or chert near the contacts of felsite intrusives. Typical sulphide aggregates comprise pyrrhotite and subordinate amounts of dark sphalerite, galena, and chalcopyrite or other copper minerals. Exploration to date has been concentrated in three general areas, comprising the North, South, and Headwater zones. Of these, the first two constitute a 500 to 1000-foot wide panel of sediments and felsite intrusives trending N.N.E. across Bowser Creek. Within this general panel individual deposits tend to be small, sporadic, and discontinuous. However, more substantial showings, relating to favourable structural situations, are indicated at the lower N-1 and S-2 areas near Bowser Creek. Exploration within the Headwater Zone has delineated minor silver-zinc-copper mineralization within a narrow panel over a 900 foot interval of Bowser Creek; the principal fracturing strikes with the trend of Bowser Creek. Veining and disseminated sulphides occur in hornfelsic to siliceous altered siltstone and intrusive (probably explosion) breccia at, or near the northeasterly margin of the local breccia pipe, near its contact with a Tertiary granodiorite stock. A fair degree of potential for the occurrence of low grade mineralization as bulk deposits within the breccia is indicated by the local geochemical relationships, and by the possibility that other zones of more intense fracturing have developed along and between elements of the inferred Bowser Creek fault.

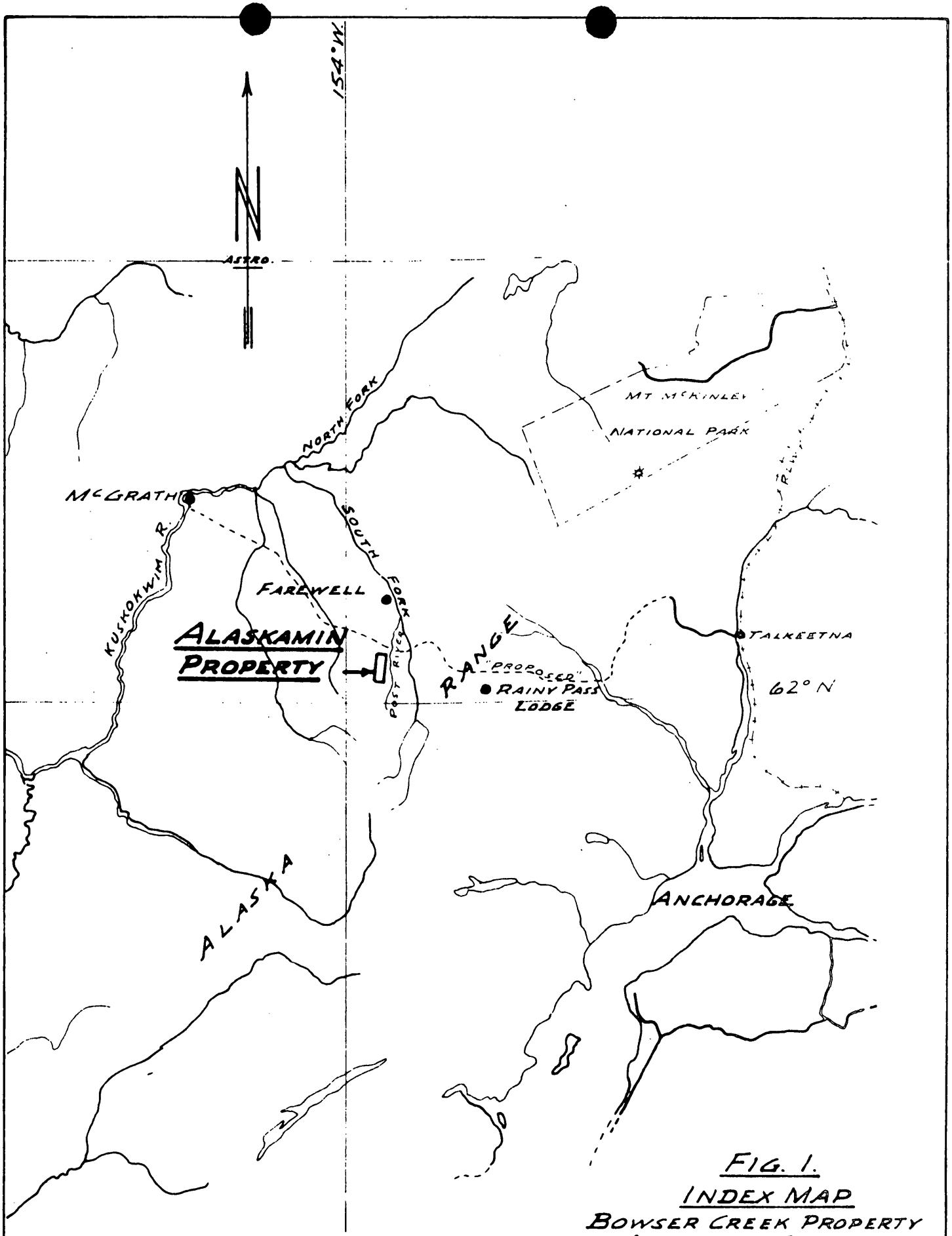

FIG. 1.
INDEX MAP
BOWSER CREEK PROPERTY
ALASKAMIN COMPANY
PORTLAND, OREGON

MARCH 1971 W.M. SHARP

Currently, the delineation of possible 'ore-grade' material within the Bowser Creek locality is highly restricted by major transportation costs arising out of the present high degree of dependency on airplane transport. The provision of adequate ground-access would permit significant over-all cost reductions, and allow much of the local mineralization to be classified as potentially-mineable material. However, the over-all results would appear to confirm the opinion stated in U.S.G.S. Circular 559, to quote: "the number of occurrences with locally high silver content, their possible continuity beneath surficial deposits, and a favourable geological environment suggest that the area has economic potential for base and precious metals."

RECOMMENDED EXPLORATION

STAGE I

1. Establish a main survey grid to include Bowser Creek, lower S-1 Zone, lower N-2 Zone, lower N.W. Zone, and Headwater Zone; establish local exploration grids over S-2 Zone & N.E. extension, N-2 Zone between 10+00N - 16+00N.
2. Carry out detailed geological mapping of un-mapped exposures within above grids.
3. Perform flux-gate magnetometer surveys over above grids.
4. Perform induced-polarization surveys per results of (3).
5. Trench accessible anomalies resulting from (3) & (4) and, if feasible, prepare diamond-drill stations (benches).
6. Carry out preliminary diamond drill exploration of both geologically and geophysically-indicated 'ore targets' - using A-size wire-line equipment.

STAGE II

Carry out supplementary and/or delineation diamond drilling, with bulldozer exploration and station preparation.

STAGE III

Provisional: extend exploration by further diamond drilling and/or tunnelling, as indicated by Stages I-II exploration results.

W. M. Sharp

W. M. Sharp, P. Eng.

GENERAL SCHEDULES

1. Assemble equipment, supplies, and advance personnel at Anchorage, Alaska.

2. Fly D-4 Cat. bulldozer (or equivalent), fuel, and crew to Farewell, and post 2 men to guard supplies.

3. (a) Walk dozer to Post River air-strip.
   (b) With dozer, extend and dyke landing strip to min. 2000 ft. length and clear higher trees from approaches.

4. Fly all supplies, equipment, and balance of personnel to Farewell base - using aircraft of minimum 5000 lb. capacity.

5. Ferry above to Post River - using aircraft of minimum 2000 lb. capacity.

6. Set up Post River camp.

7. Construct access road to exploration area.

8. Establish survey grids; complete detailed geological mapping.

9. Carry out geophysical surveys.

10. Trench geophysical anomalies; construct access roads to drill sites and excavate drill sites.

11. Carry out Stage I diamond drilling c/w core-logging and sampling.

12. Provisional: Stages II and III diamond drilling and related exploration.

13. Demobilize and return rented and miscellaneous equipment.

Footnote: Organization of equipment and fieldwork pertaining to items 9-10-11 may be coordinated, if such procedure would prove advantageous.

W. M. Sharp

W. M. Sharp, P. Eng.

EQUIPMENT & SUPPLIES DETAILS

1. Camp:

3 - 9'x 12' wall tents, furnished @ 100# ea...	300#	
Cook-house equipment.....	250#	
Food, 5 men/2 mo. = 60 man-days @ 4.5#.....	1,350#	
Radio & batteries, portable-type.....	40#	
Light plant, 2500 W incl. batt. charger.....	125#	
Chain-saw, small tools, etc.	75#	
Miscellaneous, at 15%.....	320#	2,460 lbs.

2. Jeep, or equivalent, with winch, etc. ..... 3,000 lbs.

3. Exploration Equipment & Supplies:

D-4 Cat. c.w. blade & winch.....	12,000#	
Small tools.....	200#	
Explosives (allow 4 boxes @ 50#).....	200#	
Gasoline jack-hammer, steel, etc.....	100#	
Lath-pickets & gen. engineering supplies.....	400#	
A-series wire-line dia. drill outfit.....	2,500#	
Drill rods, casing, bits, etc. - 400'.....	1,700#	
Drill-tools & accessories.....	250#	
Core boxes & covers for 3000' core.....	375#	
Plastic pipe for drill-water, 3000' @ 0.25#...	750#	
Camp gasoline.... 200 gals.		
Jeep gasoline.... 300 gals.		
Drill gasoline...2000 gals. 2,500 @ 7.5#.....	18,750#	
Diesel fuel..... 400 gals. @ 8#.....	3,200#	
Oil, grease, etc.....	200#	
Miscellaneous, @ 10% approx.....	4,050#	44,675 lbs.
TOTAL.....		50,135 lbs.

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ESTIMATED EXPLORATION COSTS

The following apply for a 2-month exploration period, and are subject to modification via detailed enquiries & arrangements:

STAGE I

1. Mobilization, Personnel
   5 men, Seattle-Anchorage-Post R. (return) @ $300..... $ 1,500.

2. Bulldozer & general freight to Farewell, approx.
   25 Tons @ 170 mi. = 4250 ton-miles @ $1.00 +
   ferry, etc..... $ 5,500.

3. Bulldozer, 3 mo. @ $2500/mo. (50% stand-by)..... $ 7,500.

4. General freight, Farewell to Post River, approx.
   16 1/4 tons @ 25 mi. = 406 ton-miles @ $1.50 +
   ferry, etc..... $ 900.

5. Equipment & supply purchases

3 tents (furnished & on existing frames)....	$ 375.	
Cook-house equipment.....	$ 250.	
Food.....	$ 750.	
Small tools.....	$ 200.	
Explosives & accessories.....	$ 100.	
Pickets & gen. eng. supplies.....	$ 250.	
Core boxes & covers, 90 @ $3.00.....	$ 270.	
Water supply line (polyeth.) 3000' @ 0.15...	$ 450.	
Gasoline, 2500 gals. @ 0.40.....	$1,000.	
Diesel Fuel, 400 gals. @ 0.30.....	$ 120.	
Oil, grease, etc.....	$ 200.	
Miscellaneous supplies 4050# @ $0.50/lb.....	$2,000.	$ 5,845.

6. Equipment rentals

Radio.....	$ 150.	
Light plant & charger.....	$ 250.	
Chain-saw.....	$ 100.	
Jeep.....	$ 800.	
Gasoline jack-hammer & steel.....	$ 250.	
Miscellaneous @ 10% of above.....	$ 150.	$ 1,700.

(Crd. Fwd.- - - - $22,945.)

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(Brt. Fwd. - - - - $22,945)

7. Crew wages

Cook, 2 mo. @ $750.00	$ 1,500.	
Geologist (recent grad.) 2 mo	$ 2,000.	
Cat. operator, incl. w.Cat. rental above		
Junior geologist, 2 mo	$ 1,600.	
Labourers, 2 @ $700.00	$ 1,400.	
Payroll charges, etc. @ 20%	$ 1,300.	$ 7,800.

8. Contract charges

Mag. survey, estim. 10 mi. @ $100.00	$ 1,000.	
I.P. survey, estim. 6 mi. @ $650.00	$ 3,900.	
Diamond Drilling, 3000' @ $8.00 (Contract)	$24,000.	
Mob.-demobilization	$ 1,000.	$29,900.

9. Assays, estimate 120 (12 holes @ 10 ea.) @ $16.00 ..... $ 1,920.

10. Consulting - general supervision ..... $ 3,000.

11. General demobilization, equipment ..... $ 3,000.

12. General administration & contingencies, 15% approx.... $10,000.

TOTAL DIRECT - Stage I..... $78,565.

Note: Portion of Stage I chargeable to drilling..... $70,165.
(for 3000', unit drilling cost = $23.50/ft.)

Estimated additional expense to extend drilling program to a total of 6000 ft., if warranted by Stage I results:

Freight on supplies	$ 2,500.	
Purchases	$ 2,500.	
Rentals	$ 5,800.	
Wages	$ 6,960.	
Assays	$ 2,000.	
Consulting & gen. supervision	$ 2,000.	
General admin. & contingencies @ 10%	$ 2,180.	
Diamond drilling, 3000' @ $8.00	$24,000.	$47,940.

(Direct drilling cost of next 3,000' = $16.00 per lin. ft.)
(Direct drilling cost of gross 6,000' = $21.00 per lin. ft.)

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STAGE II - DRILLING (additional 1 1/2 - 2 months)

Supplementary drilling, 3000' @ $16.00/ft.....	$ 48,000.
Contingency allowance for fall-winter operation, @ 20% of direct costs.....	$ 9,600.
TOTAL DIRECT, Stage II.....	$ 57,600.

STAGE III - (probable second field season)

General provision for confirmatory surface and/or underground exploration.....	$ 90,000.
TOTAL, STAGES I, II, & III.....	$226,165.

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W. M. Sharp, P. Eng.

INTRODUCTION

The writer has prepared this report and the accompanying maps on the basis of formal authorization and terms of reference provided on February 12, 1971.

The current report derives primarily from detailed geological mapping, sampling, and reconnaissance geological investigations by the writer between August 20 - September 7, 1968, for clients holding an option on the property during that year. It also incorporates geological and assay data accruing from investigations by U.S. Federal Government geologists, private consultants, and The Alaskamin Company's own geological personnel. The above-noted investigations were made during three field seasons, from 1967 to 1969.

The writer's 1968 field work covered the principal (trenched) showings situating to the north and south of upper Bowser Creek basin, showings within the headwaters section of the creek, and subordinate but geologically-relevant bedrock and mineral exposures in the lower Bowser Creek and Hippie Creek areas.

PROPERTY & HISTORY

Fig. 2, 'Claim Map' depicts the general extent and composition of the Alaskamin Bowser-Hippie Creek claim block. This is based on the 'Claim Map for Alaskamin Company, Alaska, July, 1968' by Robert M. Kaseweter, Geologist, with additions by Jim Nieland, 1969. The group, as shown, comprises 527 recorded mineral claims within an average 2 1/4 mi. by 8 1/2 mi. block, with long dimension bearing N.N.E.; The map shows this to be supplemented by 32 lots including the Post River camp and air strip and lower sections of Bowser and Y Creeks - providing space for possible operational and residential facilities. Formal details of location, record, and status of the component claims may be obtained from the Company.

Current indications are to the effect that main ore potential lies within that section of the claim block delimited, to the north and south respectively, by the south headwater of Hippie Creek and the E-W part of the ridge immediately south of Bowser Creek; this block consists of approximately 230 claims.

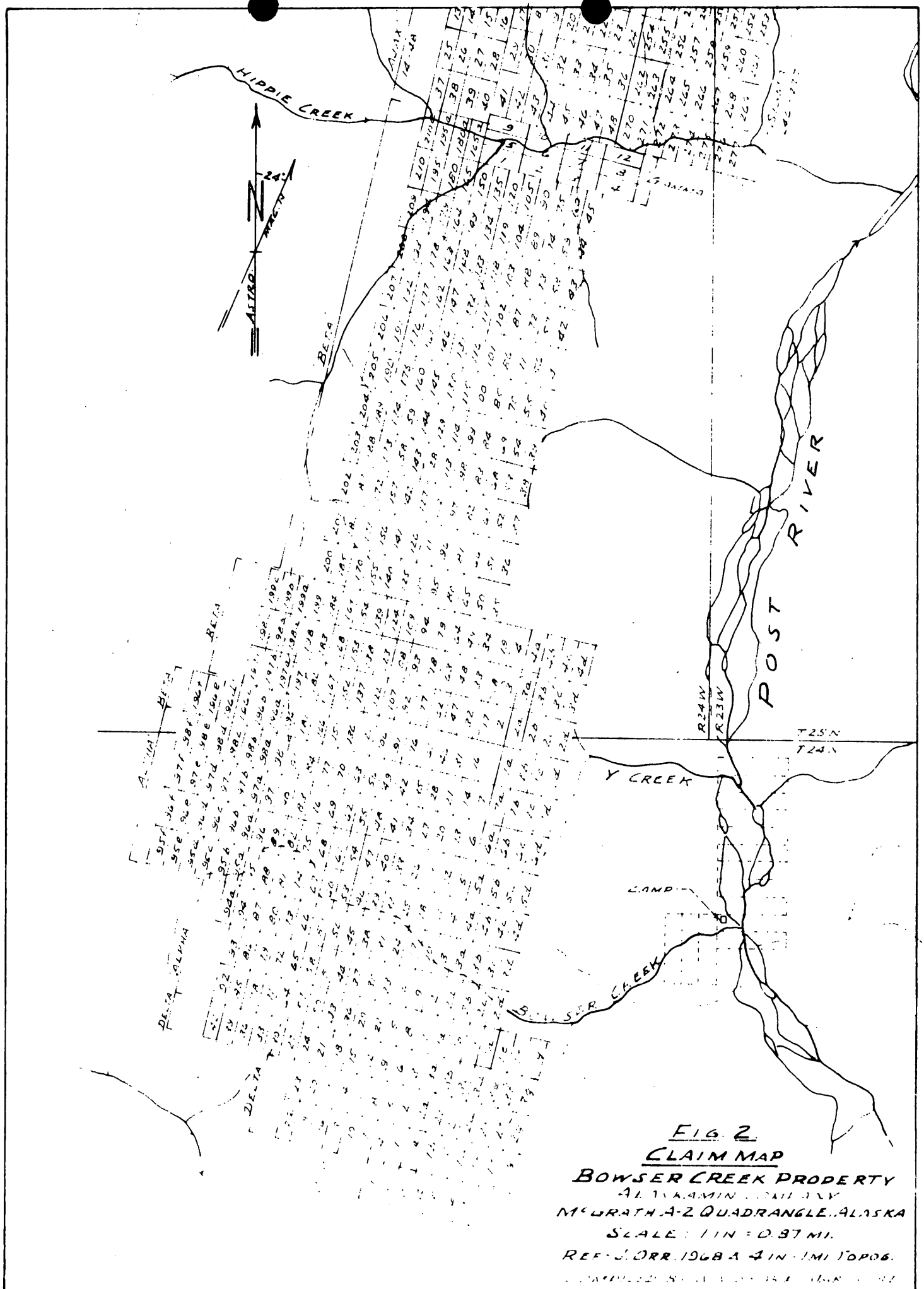

FIG. 2
CLAIM MAP
BOWSER CREEK PROPERTY
ALASKAMIN CORPORATION
McGRATH A-2 QUADRANGLE, ALASKA
SCALE: 1 IN = 0.37 MI.
REF: USGS 1968 A 4 IN = 1 MI TOPO.

Current exploration plant includes a 1200' x 100' air strip, a 12'x 16' cabin, 6 - 10'x 12' tent frames, and camp equipment comprising a cook stove, washing machine, lights and wiring, radio (?), and small tools.

The Bowser Creek mineralization was discovered by U.S.G.S. personnel in 1967 during field geologic-geochemical investigations of the southern Alaska range. Earlier geological information is limited to that resulting from Brooks (1911) reports of his traverses (1902) of the Alaska Range via the south fork of the Kuskokwim River.

Exploration to date comprises general and detailed geological mapping, geochemical stream-sediment (and local soil) surveys, trenching, and sampling. No geophysical or diamond drill exploration have been done, and no economically-recoverable ore deposits have been actually delineated on the basis of the exploration thus far accomplished. The accrued data do, however, reveal a significant ore potential within the Bowser Creek prospect area, and one which would be widened with improved access facilities.

LOCATION, ACCESS, ETC.

The property situates about 150 miles northwest of Anchorage, Alaska. It straddles Bowser and Hippie Creeks closely west of Post River, a tributary of the South Fork Kuskokwim River. The claim block approximately centers at N 62° 10', W 153° 40'.

To date, the property has been serviced by light aircraft out of Anchorage or Talkeetna via the Company's 1200' Post River air strip. The property situates some 23 air-miles S.S.E. of Farewell which, in turn, lies about 62 air-miles S.E. of McGrath - the nearest source of gasoline and supplies. At Farewell the Federal Aviation Agency maintains a 5,000-foot gravel air-strip. Currently, local access to the showings, some 3-3½ miles westward up Bowser Creek, is by foot or helicopter.

Current plans, to reduce regional and local transportation costs, involve lengthening of the Post River airstrip and construction of a jeep-access road to the Bowser Creek showings.

The Bowser Creek showings, with the exception of the Headwater zone, situate within steep, rugged slopes entirely above timber-line; these are largely talus-covered. Rock glaciers blanket much of the creek basin and some tributary valleys. All showings, lying within a 3000-foot vertical range, may be reached on foot.

GENERAL GEOLOGY & MINERALIZATION

Dwg. No. 7 supplements the following text.

U.S.G.S. Circulars 559 and 569 comprise the principal sources of information regarding the regional geological setting of the Bowser Creek showings.

The Bowser Creek area is underlain by a mid-Paleozoic sequence of sediments consisting of uniform to mixed sections of limestone, siltstone, shale, and argillite. These have been tightly folded on N.N.E.-trending axes; resulting axial planes, particularly within the area of the claim block, are essentially vertical or dip steeply eastward.

Detailed mapping by the writer revealed several relatively minor faults and fractures cross-cutting the bedding section, and generally striking within the northwesterly quadrant. The same mapping provided no substantion of major formational faulting postulated by the Survey geologists. Photogeological interpretations by Lee C. Armstrong and Knox-Bergman-Shearer show a major fault on (controlling) the northwesterly-trending section of Bowser Creek between the S-1 and N-2 showings, and traversing the Headwater prospect zone. This inference is rather positively substantiated by the numerous fractures mapped within the Headwater zone and lower parts of the S-1, N-2, and N.W. zones.

The general folded-faulted bedding section has been complexly intruded by irregular masses, dykes, and sills of granodiorite, porphyry, felsite, and breccia - all apparently localized to major zones of faulting and/or folding. The igneous sequence is considered to be of Tertiary age. The breccia apparently consists of angular fragments of sedimentary and fine-grained igneous rocks in a finer grained matrix of similar composition. Large branching stock-like bodies of breccia are exposed within the high ground south of Bowser Creek and within the Bowser Creek headwater area. The southerly body occurs within a thick panel of limestone, with the main mass of the body centering on the axis of the major syncline which comprises the dominant structure within this part of the Bowser Creek cross-section. The Headwater breccia body situates adjacent to a small granodiorite stock, and within the related aureole of biotite hornfels and silicified siltstone. The apparent structural relationships suggest that the emplacement of this body was controlled by the Bowser Creek lineament (fault) - specifically where it appears to split and diverge on its W.N.W. course through the Headwater area. With this, there is an additional possibility that strong formational lineaments (folds and faults?) intersecting the Bowser Creek fault within the Headwater area could have further contributed towards the development of a structural focus for the emplacement or development of the Headwater breccia pipe - this presumably of explosive origin.

Felsite bodies are numerous. They occur in various forms, but predominantly as somewhat sinuous, branching, steeply-dipping sheets having acutely cross-cutting relationships with respect to local bedding panels. All bodies observed thus far exhibit pronounced variations in form, width (1' to 100') and continuity, with the resulting tendency towards their occurrence as separate, or tenuously-connected lensing sheets. As a rule, those striking more directly across bedding sections tend to be straight and of fairly uniform width.

The felsites display several different textures - ranging from cherty, to finely granular, to porphyritic. Within the N-3 zone some actually grade into medium-grained granodiorite (or quartz monzonite).

Bodies of granodiorite occur in at least two localities. The major occurrence comprises a 2000' x 6000' stock-like mass abutting the Headwater Zone. Like the local breccia body, its emplacement appears to have been controlled by the Bowser Creek Fault with, probably, an additional control being exerted by an apparent bedding fold or warp occurring within the 'Headwater' interval of the above fault. The more easterly-lying and subordinate granodiorite occurrences comprise the system of relatively narrow, sinuous, steeply dipping sill-dykes within the central interval of the N-3 zone and the small branching stock and related dykes occurring within the lower easterly area of the same zone. Field mapping shows that the North Zone granodiorite does not occur as a single, squarish plug, as depicted in U.S.G.S. Circular 559.

Metamorphic and/or alteration effects appear to be restricted to the fractured contacts of granodiorite and breccia bodies, and to zones of felsite intrusion. In regard to the former, alteration typically comprises a silicification of both limestones and siltstones and, more locally, the conversion of argillaceous rocks to dense brown hornfels. In regard to the latter situation, silication and silicification of both limy and argillaceous rock represents the principal effect.

The most conspicuous and economically-significant alteration comprises the development of calc-silicate or skarn zones within the general zone of felsite-porphyry intrusion. Typical skarn minerals are epidote, clinopyroxene, garnet, quartz, and calcite. The characteristically higher grade mineralization occurring in these aggregates is the result of partial to massive replacements by Fe-Zn-Pb-Cu sulphides with, locally, important amounts of silver. Sparser mineralization occurs, as narrow veins and fracture fillings, within related sections of chert and recrystallized limestone, or within the unrelated masses of breccia.

All of the Bowser Creek showings appear to be closely associated with intrusive igneous rocks. However, variations of mineralogy or metal content within individual zones suggest that metal-zoning operates at least locally. In this regard the higher temperature (Fe-Zn-Cu) assemblages

would appear to generally relate to zones of intrusive breccia, while those with lower-temperature (Ag-Pb) characteristics would appear to favour relatively unaltered limy host rocks; also, galena (with silver) appears to have been introduced during the later stages of mineralization. It occurs as massive seams in several showings and in quartz-calcite veinlets in the S-1 zone.

In regard to general structural relationships, it is noted that the N.N.E. projection of S-1 zone is not continuous with the N-2 mineralization. The apparent 'offset' position of the two structures is indirect evidence of the (inferred) Bowser Creek fault.

DETAILS OF SHOWINGS

S-1 & S1-A Zones (Dwgs. No. 1 and 5)

This group of showings has been closely trenched and sampled.

Replacements of variably-argentiferous Fe-Pb-Zn-(Cu) sulphides occur within bands and lenses of skarn, silicated limestone, and chert at or near felsite dyke contacts. More locally, between 4100-4150 elevations frequent quartz-calcite-galena veinlets occur within unaltered folded and crumpled limestone over a true width of about 80 feet.

Two northeasterly-trending, irregular dykes with a general separation of about 150 feet provide a general control for the local mineralization. More local controls comprise dyke deflections and related folds and warps within adjacent beds. The lower, or S-1 dyke is the larger of the pair, and the more significant skarn development and associated sulphide replacements relate to the silicated and silicified limestones bordering this body - particularly where it warps from a northeasterly to an easterly trend. At depth, in the area of the most northeasterly exposures, the dyke appears to roll into a southerly-plunging trough or simulated 'drag fold'. Plunge measurements on subordinate folds within the over-lying bedding section would suggest a 20° southerly plunge for the inferred structure.

Trenching over the S1-S1-A area has exposed several occurrences of sulphide-skarn mineralization. However, most of those opened in the general area south of the main dyke would be currently classified as economically sub-marginal. The most significant exposure, which with the necessary continuity could constitute a mineable ore body, is that opened by the most northwesterly trench. A continuous-chip sample on this assayed:

Ag, 24.3 oz./ton; Pb, 7.16%; Zn, 2.74%
Cu, 0.19% across 20'.

Unfortunately, the local talus cover precluded exploration of the possible strike-extensions of this showing. However, the writer attaches considerable significance to this showing, in that it might be indicative of grade-possibilities within the lower S-1 zone - particularly in the locality of the currently-inferred plunging trough-and nose target.

Sampling of the quartz-calcite-galena gash-vein mineralization exposed by the long trench through 5G (el. 4147) returned assays as shown on Dwg. No. 1 Assays of the 9 samples shown, representing a true width of 80 ft. produced the following averages:

Ag, 7.3 oz./ton	@	$1.60/oz.	- $11.70
Pb, 2.3%	@	13.5¢/lb.	- $ 6.20
Zn, 2.0%	@	15.0¢/lb.	- $ 6.00
Cu, 0.03%	@	50.35¢/lb.	- ----
Gross Value per ton - - -			$23.90

Local fold relationships suggest a 20° southerly plunge for the contorted limestone section containing this mineralization, or equivalent to that of the inferred underlying trough-and-nose structure. The vertical cross-sectional area of Ag-Pb mineralization is taken at 80' x 50', or 4000 sq. ft. Assuming a volume-tonnage factor of 12 1/2 cu. ft. per ton, the tonnage potential is approximately:

320 tons per foot of plunge-length, or
32,000 tons per 100 ft. of plunge-length.

In a more accessible site than Bowser Creek, this zone would have a significant ore potential. However, a moderate increase in silver content with depth could easily result in a potential ore situation even in this locality.

S-2 Zone (Dwg. No. 2)

These showings situate some 1000 feet south-southwest of the S1-S1-A zone, and explore a distinct, but parallel band of sulphide-skarn replacement mineralization. Four trenches currently delimit the strong band of dispersed and massive sulphides over a 250 foot strike-length. The zone is open to the northeast; however, further exploratory trenching in this direction would be impeded by an increasingly heavy blanket of talus.

The mineralization comprises pyrrhotite containing appreciable marmatite and minor amounts of oxidized copper sulphides. It occurs in fractured green skarns and cherts formed by contact alteration of limestones by a felsite intrusive of unknown form or size. Alteration and mineralization appear, at least in part, to be localized to a curved section of this felsite contact.

Assay data for each of the 4 trenches, going upslope, is averaged as follows:

	Width		Ag, oz/ton	Pb, %	Zn, %	Cu, %
Trench 1	9.0'	@	2.25	tr.	4.49	0.41
Trench 2	21.0'	@	3.60	tr.	5.82	0.31
Trench 3	18.0'	@	2.74	0.06	2.63	0.32
Trench 4	9.0'	@	0.66	tr.	0.65	0.17

Trench No. 4 metal values are negligible.

The weighted-average assay of the results for the three lower trenches is:

16' @ Ag, 3.03 oz./ton; Pb, 0.02%;
Zn, 4.35%; Cu, 0.33%

Gross value per ton = $21.67

With the zinc content accounting for over 60% of the gross value of this mineralization, the S-2 zone does not, at this time, constitute a first-priority exploration target.

S-3 Zone (Dwg. No. 7)

These showings were inspected by the writer, but not mapped or sampled - this having been done prior to the writer's visit. Galena is quite prevalent, but the areal extent of the mineralization is too small to warrant serious consideration. It occurs at the contact of a felsite dyke over a short strike-interval, due to its complete truncation by a body of intrusive breccia.

N-1 Zone

These showings are too localized to warrant description.

N-2 & N-3 Zones (Dwgs. No. 3, 4, & 7)

Originally, these two zones were thought to represent parallel but distinct groups of showings; however, detailed mapping showed them to be parts of the same general zone of mineralization. The typical mineralization consists of Fe-Pb-Zn-(Cu) sulphide replacements of skarn and mixed chert and skarn. However, near the north end of N-3 zone argentiferous Pb-Zn mineralization replaces a fractured contact zone between chert and limestone.

The North Zone geological structures, lithology, alteration, and mineralization are similar to those of the S-1 and S1-A Zones. In the North zone a greater number of showings occur over a wider cross section; however, the available evidence from detailed mapping suggests that they tend to be more sporadic and discontinuous. Also, the silver content of the North Zone mineralization is generally lower than that within the showings south of Bowser Creek - excluding the relatively high-grade upper N-3 showings from this comparison.

The average N.N.E. structural trend of the South zones continues through the N-2 and N-3 zones. In finer detail, structural trends or patterns are similarly complex, with warped and sinuous bedding-dyke attitudes being characteristic. As a result, the mineralization tends to vary in character and trend. Generally, it is more-or-less conformable with host rock structures, exhibiting the normal 'pinches' and 'swells'. Often it will abruptly terminate at a dyke contact, or will 'jump' across structure to continue within an adjacent bedding section. In such cases, normal step-out trenching on a showing can easily miss its actual extensions.

From the currently-available evidence, the following North zone showings are considered most important:

1. Massive Fe-Pb-Zn sulphide replacement veins between 5450-5550 elevations. Separate veins have been exposed by trenches on opposite sides of the central felsite dyke. Both are approximately 150 ft. long. One sample taken on the easterly showing assayed:

   Ag, 3.91 oz./ton; Pb, 3.91%;
   Zn, 5.84%; Cu, 0.23% across 6 ft.

   The westerly showing, beneath heavy talus and exposed and sampled via two trenches, has an average metal content of:

   Ag, 11.6 oz./ton; Pb, 25.6%;
   Zn, 18.7%; Cu, 0.03% across 2.5 ft.

   Gross value per ton = $125.53

   At 50 tons per vertical-foot and dip-length of 100 feet, this ore shoot would contain some 5000 tons - insufficient for a mining operation in this location, but sufficient to warrant further exploration as soon as improved access conditions justify it.

2. The several strong pyrrhotite showings between 12+00 N - 16+00 N. Although present sampling indicates only a moderate silver-base metal content, the showings have considerable tonnage

potential and are reasonably accessible from Bowser Creek basin. The following assays indicate the average width and tenor of the various exposures.

	Width	Ag, oz/ton	Pb, %	Zn, %	Cu, %
	6.5'	0.64	trace	2.15	0.21
	6.0'	0.52	trace	15.42	0.03
	5.5'	0.42	trace	2.94	0.06
	15.5'	2.86	0.19	6.99	0.07
	5.0'	1.71	trace	5.94	0.70
Average	7.7'	@ 1.62	0.08	6.8	0.17

Gross value per ton = $24.97

3. The most southwesterly-situated showings of the N-2 Zone and possible parallel, talus-covered mineralization between these showings and Bowser Creek (fault?).

   The main exploration potential within this section of the prospect lies in the possibility that elements of the Bowser Creek fault are present, and that these would provide a major ore control. Interest here is also based on the probability that the mineralization at these relatively lower elevations will show some significant increases in copper content in addition to the normal silver and zinc values typical of this section of the property.

N.W. Zone (Dwg. No. 7)

The writer has not personally examined this area. However, the geology and mineralization are well documented via the accompanying map prepared by J. R. Nieland.

This zone of mineralization situates between the N-2 and Headwater Zones, and to the north of Bowser Creek between elevations 4000-5500 ft. The geological setting

and structural trends are generally similar to those within the North and South Zones. However metal-zoning is more apparent, in that there is a distinct tendency towards higher silver values within the upper showings, and predominant Zn-Cu within mineralization closer to Bowser Creek. Unfortunately, as only a few samples were assayed for all metals, the zoning premise cannot be fully substantiated.

The principal showings comprise two replacement-veins in argillite and skarny argillite (chert?). Both have been traced over strike-distances exceeding 400 feet, with widths ranging between 5 and 14 feet. Interesting amounts of silver, zinc, or copper occur locally but, at these widths, the average tenor is sub-marginal.

On the basis of local structural features, the lower showings are perhaps more significant. Here, argillites and limestones are cut by frequent faults - which may relate to the inferred Bowser Creek structure. Felsite dykes also have cross-cutting relationships with respect to the general bedding panel - one with a thin selvedge of sulphides. Three trenches in the down-slope blanket of talus provide one bedrock exposure which assayed 10% zinc and 0.62% copper, lead, nil, and gold-silver not assayed. The map also notes good Cu and Zn in limestone float.

Headwater Zone (Dwgs. No. 6 & 7)

This prospect zone underlies the broad, elevated bench area comprising upper Bowser Creek Basin. As bedrock within the general prospect area is largely obscured by talus, most exposures are found along the course of the creek and within sampling trenches excavated in the creek banks and bottom during 1968.

The geological setting of these showings differs from all of the others described in this report. Locally, fracture-filling and disseminated Fe-Zn-Cu sulphides occur within the northeasterly margin of the large, irregular Tertiary body of intrusive breccia. Rocks hosting the creek showings relate to the more finely-fragmental border phase of this body and vaguely defined areas of siltstone lying between it and the local granodiorite stock.

This assemblage is cut by at least one E-W striking, vertically-dipping felsite dyke. Several others probably occur possibly as part of a general dyke-swarm, under the talus blanket.

The breccia and siltstones are all more-or-less thermally and hydrothermally altered to hornfels and bleached-silicified varieties of this and the primary rock types. The intrusive rocks appear to have been little affected.

The sulphide mineralization includes pyrrhotite, pyrite, sphalerite-marmatite, and chalcopyrite. No galena was seen; the appreciable silver content probably relates to a fine grained dark mineral which could be gray copper.

Most fractures, essentially of the shear variety, trend northwesterly with the course of Bowser Creek. An E-W trending 'tension' set, comprising more localized zones of fine fracturing and quartz veining, is less prominent.

Several trenches were blasted into bedrock and seven large, representative samples were carefully taken. The arithmetic average of all seven is roughly:

7' @ Ag, 0.7 oz./ton; Pb - nil; Zn, 1.5%; Cu, 0.1%

The average of the best three is:

5.5' @ Ag, 0.97 oz./ton; Pb - nil; Zn, 2.6%; Cu, 0.18%

The above assays indicate that mineralization presently exposed is definitely non-commercial; however, silver contents are mineralogically significant. Within the other zones the silver values generally relate to the lead content, but no galena was observed in any of the samples taken. Locally, at least, silver must occur with zinc and copper or an associated sulpho-salt. However, the series of silt samples taken along this interval of Bowser Creek, with Pb/Zn contents averaging 1280 and 2231 p.p.m. respectively, suggest that galena occurs within the general zone - the source probably being somewhat south of the north branch of the creek, or up-stream beyond the present exposures.

Dwg. No. 6 indicates that the 1968 exploration was necessarily restricted to a relatively narrow (marginal?) zone of fracturing and alteration lying some 200 ft. northeast of the projected position of the main Bowser Creek fault. Consequently, exploration should be extended for a test of the indicated fault zone and other zones of fracturing likely to exist within, and along the margins of the intrusive breccia.

W. M. Sharp

W. M. Sharp, P. Eng.

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A PROPOSAL ON THE ALASKAMIN PROSPECT NEAR BOWSER CREEK.
by James M. Orr, Dec. 3, 1968.

VIEWS ON THE BOWSER CREEK AREA,
Letter report by L. C. Armstrong, March 5, 1969.

REPORT ON Pb, Zn, Ag (57) STREAM SEDIMENT SAMPLES.
by William E. Thompson 4/24/70.

CERTIFICATE

I, William M. Sharp of North Vancouver, B.C., Canada
DO HEREBY THAT:

1. I am a graduate of the University of British Columbia with an M.A.Sc.(1950) degree in Geological Engineering.

2. I have practiced my profession for 20 years, and as a consulting geologist since 1964.

3. I personally examined and sampled the Bowser Creek prospect of The Alaskamin Company during the summer of 1968.

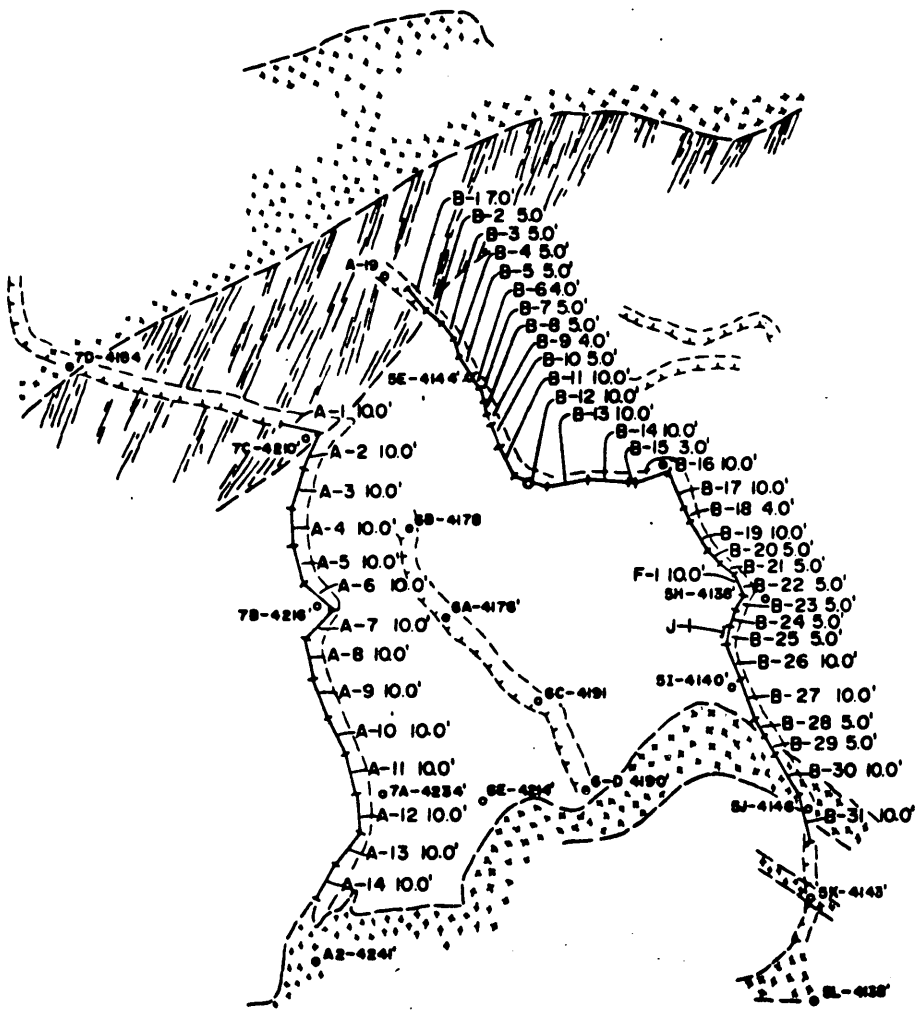
4. I have no direct or indirect interest in any properties held by The Alaskamin Company.

W. M. Sharp

W. M. Sharp, P. Eng.

March 31, 1970
North Vancouver, Canada

AREA 1
S1 ZONE SAMPLING



No. Sample Width	Ft.	%	%	%
A-1	10.0	—	—	—
A-2	10.0	—	—	—
A-3	10.0	—	—	—
A-4	10.0	—	—	—
A-5	10.0	—	0.6	—
A-6	10.0	N.S.	N.S.	N.S.
A-7	10.0	—	—	—
A-8	10.0	—	—	—
A-9	10.0	—	—	—
A-10	10.0	—	0.26	—
A-11	10.0	—	—	—
A-12	10.0	—	—	—
A-13	10.0	—	6.20	0.17
A-14	10.0	—	3.17	0.13
B-1	7.0	—	8.96	
B-2	5.0	0.23	5.70	0.11
B-3	5.0	—	—	—
B-4	5.0	3.28	11.00	—
B-5	5.0	5.00	1.66	0.[illegible]
B-6	4.0	0.34	0.05	[illegible]
B-7	5.0	1.89	1.56	0.14
B-9	4.0	1.82	4.56	—
B-10	5.0	1.93	0.48	—
B-11	10.0	1.00	1.87	—
B-12	10.0	2.18	1.40	—
B-13	10.0	0.73	1.16	—
B-15	3.0		2.30	—
B-16	10.0		0.44	—
B-17	10.0	0.30	1.25	—
B-18 } B-19	4.0	1.96	2.96	0.11
B-20	5.0	—	—	—
B-21	5.0	2.05	1.55	—
B-22	5.0	1.69	7.60	—
B-23	5.0	0.61	5.00	0.15
B-24	5.0	0.22	6.76	—
B-25	5.0	0.96	0.52	—
B-26	10.0	—	—	—
B-27	10.0	—	—	—
B-28	5.0	—	—	—
B-29	5.0	—	5.21	0.[illegible]
B-30	10.0	—	—	[illegible]
B-31	10.0	—	—	—

FIG. 3

SAMPLE PLAN - S1 ZONE

BOWSER CREEK PROSPECT

ALASKAMIN COMPANY

McGRATH A-2 QUADRANGLE
ALASKA

SAMPLING BY N. CAMPBELL, J. ORR & ASSOC.
COMPILATION BY J. NIELAND, MARCH/71

CHECKED BY W.M. SHARP,
MARCH, 1971

HOMESTAKE MINERAL DEVELOPMENT

ALASKAMIN PROSPECT

BOWSER CREEK, ALASKA

PROPERTY EXAMINATION

J. Buchholz

Vancouver, B. C.

June 13-16, 1968

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III	Geology and Location of Samples on Southwest side of Bowser Creek - scale 1" = 750'	pocket
IV	Cliff Face and vicinity showing sulfide vein adjacent to Felsite Dyke in area southwest of Bowser Creek - scale 1" = 10'	pocket
V	Geology and Location of Samples on NE side of Bowser Creek - scale 1" = 750'	pocket
VII	Geology and Location of samples at the headwaters of Bowser Creek - scale 1" = 200'	pocket
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HOMESTAKE MINERAL DEVELOPMENT

ALASKAMIN PROSPECT

BOWSER CREEK, ALASKA

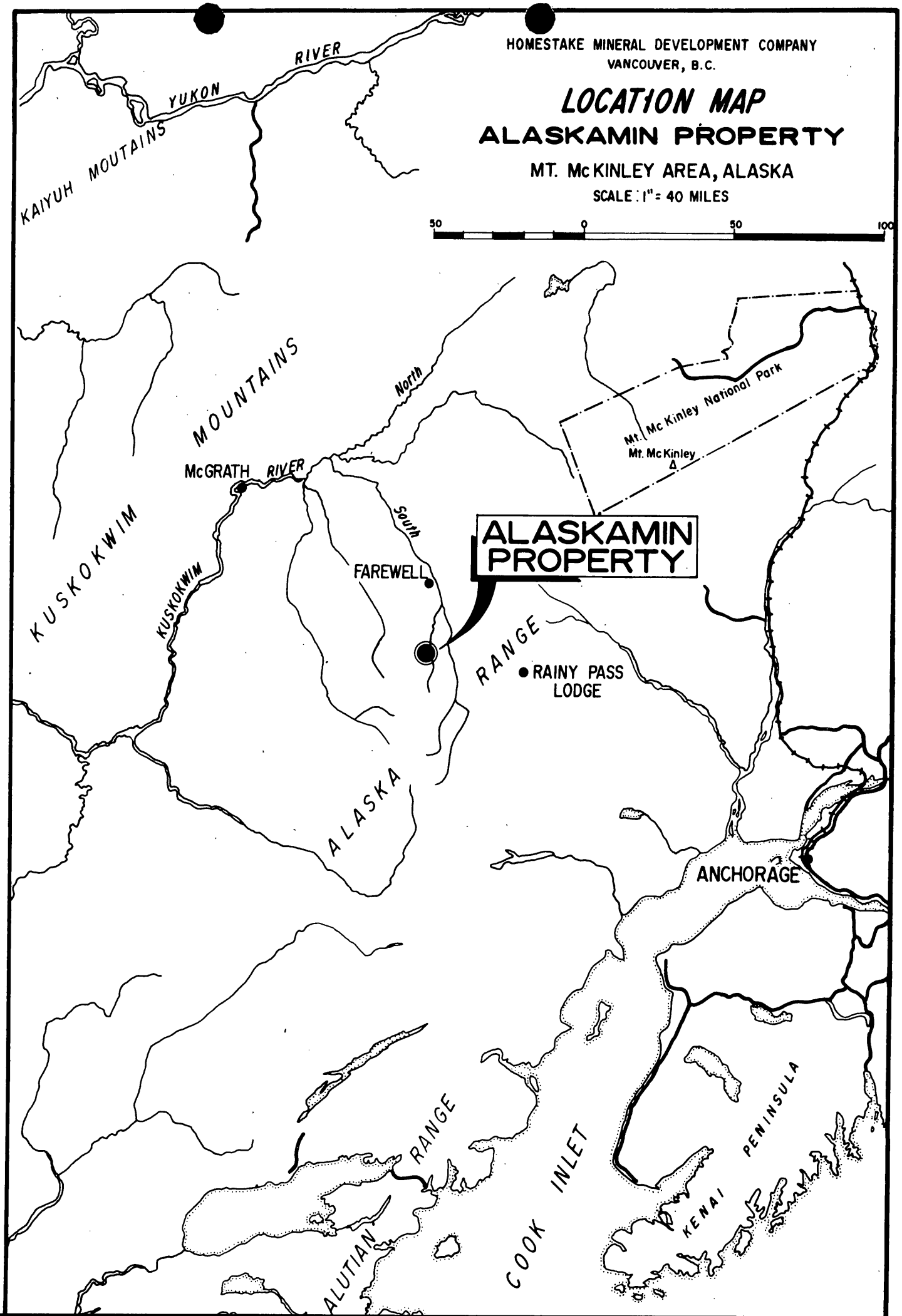
PROPERTY EXAMINATION

June 13-16, 1968

INTRODUCTION

At the request of Mr. L. G. White, Manager of Homestake Mineral Development Company, with offices at 615-1030 West Georgia Street, Vancouver, B. C. the writer accompanied Mr. White on an examination of silver-lead-zinc occurrences situated approximately 25 miles south of Farewell, Alaska at the headwaters of Bowser Creek. The deposits on Bowser Creek are replacement bodies in limestone apparently controlled by igneous activity as indicated by their proximity to granodiorite porphyry, igneous breccia and felsite dykes. Bowser Creek basin is located in the southern Alaska Range south-west of Mt. McKinley in an area of rugged terrain with considerable relief and abundant outcrop.

The purpose of the examination was to investigate new occurrences of base metals - silver deposits having been discovered by the U. S. G. S. during a heavy metals investigation of the Southern Alaska Range in 1967 - and to obtain a sufficient number of chip samples in addition to any geological information to allow an evaluation of the economic potential of the property. Accordingly a total of 17 (seventeen) chip samples were collected during a two day period of sampling and reconnoitering the area both on foot (parts of areas 3, 5, & 7, U. S. G. S. Circular No. 559) and by means of helicopter (reconnaissance by L. G. White). This report is based on observations made by L. G. White and the writer as well as a study of U. S. G. S. Circular No. 559 and 569.


HOMESTAKE MINERAL DEVELOPMENT COMPANY
VANCOUVER, B.C.
LOCATION MAP
ALASKAMIN PROPERTY
MT. McKINLEY AREA, ALASKA
SCALE: 1" = 40 MILES
50
0
50
100
YUKON
RIVER
KAIYUH MOUTAINS
MOUNTAINS
North
McGRATH
RIVER
South
KUSKOKWIM
KUSKOKWIM
FAREWELL
ALASKAMIN PROPERTY
Mt. McKinley National Park
Mt. McKinley
RANGE
RAINY PASS LODGE
ALASKA
ANCHORAGE
RANGE
ALUTIAN
COOK INLET
KENAI
PENINSULA

SUMMARY AND CONCLUSIONS:

Recent discoveries of silver-lead-zinc mineralization occurring over widely scattered areas at several localities in the Bowser Creek area 25 miles south of Farewell, Alaska, are of economic interest for the following reasons:

1) Assay results from sampling carried out by both U. S. G. S. geologists and Homestake indicate Ag. values ranging up to 250 oz. per ton.

2) Ratios of Ag.-Pb. range up to 4 : 1.

3) Continuity of mineralization appears to be good, as is evident from the fact that zones north and south of Bowser Creek are on strike adjacent to an intrusive-limestone (see geology of areas 3, 5 and 7.) contact.

4) Several interesting stream sediment anomalous areas outlined by U. S. G. S. geologists in the summer of 1967 indicate that a mineralized belt at least 25 miles long by 15 miles wide warrants further exploration.

5) The possibility that mineralization may recur along overturned beds should be investigated.

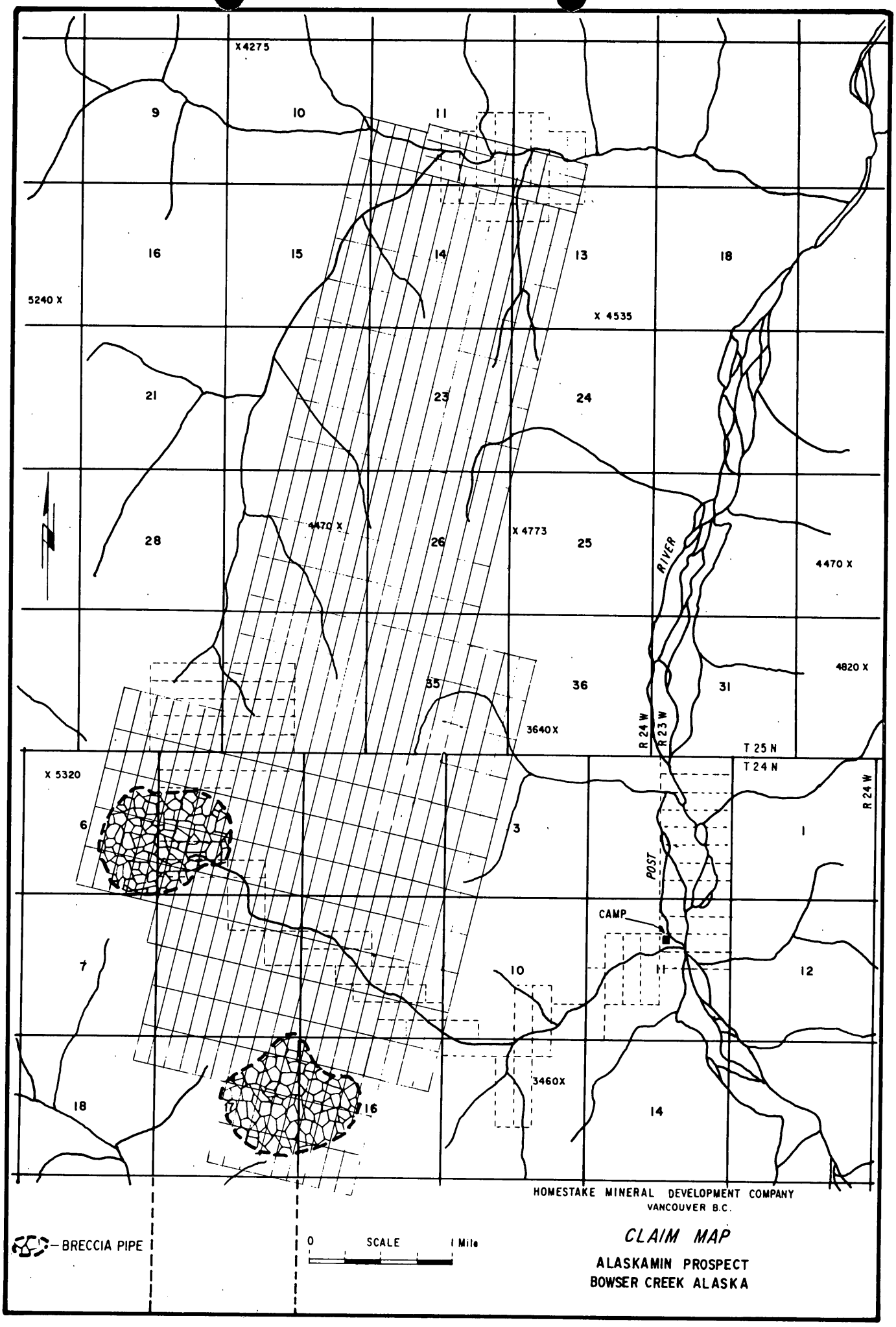
It is concluded that the known silver-lead-zinc showings on Bowser Creek warrant further exploration work.

LOCATION AND ACCESS

Bowser Creek, a tributary of the Post River which flows northerly into the south fork of Kuskokwim River, is located approximately 25 miles south of Farewell, Alaska. Latitude 62° 15' and longitude 153° 40' pass through the south central part of the property.

Access to the area from Vancouver is by means of regular scheduled flights via Seattle to Anchorage. At Anchorage, helicopter or small fixed wing aircraft are available for charter to the area. As there are no roads leading to the property, the best source of supplies is McGrath, 85 air miles north-west of Bowser Creek.

Most of the ground in the vicinity of the showings can be travelled by foot since the slopes although steep are not generally precipitous and are devoid of vegetation. Elevations range from 2000 feet at Post River Valley to over 6500 feet, (peak north of Bowser Creek). Talus covers the lower portions of the slopes as well as the valley of Bowser Creek. An air strip suitable for small fixed wing aircraft has been constructed at Alaskamin's base camp on a gravel bar immediately north of the mouth of Bowser Creek. The distance from the camp to the headwaters of Bowser Creek (areas 3, 5 and 7) west of camp is approximately 2 1/2 - 3 miles. A road from Farewell to the property, along the valley of the Post River could be constructed economically within a relatively short time


X4275
9
10
11
16
15
14
13
18
5240 X
X 4535
21
23
24
28
4470 X
26
X 4773
25
RIVER
4470 X
4820 X
35
36
31
3640X
R 24 W
R 23 W
T 25 N
T 24 N
X 5320
6
3
1
R 24 W
POST
CAMP
7
10
12
3460X
18
17
16
14
HOMESTAKE MINERAL DEVELOPMENT COMPANY
VANCOUVER B.C.
BRECCIA PIPE
0
SCALE
1 Mile
CLAIM MAP
ALASKAMIN PROSPECT
BOWSER CREEK ALASKA

period. Farewell possesses a 5000 foot gravel runway maintained by the Federal Aviation Agency.

HISTORY

The Bowser Creek prospect is a new mineral occurrence discovered by U.S.G.S. Geologists during a heavy metals investigation of the southern Alaska Range in the summer of 1967. The only previous work of the general area dates back to 1902 when Brooks (1911) traversed the south fork of the Kuskokwim River. Since the discovery of the silver-lead-zinc occurrences, considerable preliminary exploration work has been carried out by both Alaskamin and St. Eugene Mining Company. Further work is being completed by both companies, and additional ground has been staked recently.

CLAIMS

At the time of the examination of Alaskamin's Bowser Creek prospect approximately 300 mineral claims had been staked. Since that time additional claims have been and are being acquired. The status of the claims and their expiry dates, etc. have not been investigated.

GEOLOGY

For a full description of the geology of the Bowser Creek area, the reader is referred to U.S.G.S. Circulars No's 559 and 569 published by the United States Department of the Interior in the spring and summer of 1968 respectively. For purposes of this report, a brief summary of the general geology is herewith included.

GENERAL GEOLOGY

The predominant rocks of the area consist of a sedimentary unit of paleozoic limestone and siltstone with interbedded shale and limestone underlain in one area north of Bowser Creek by dark grey argillite. (Reed and Elliott 1968). The rocks of this unit have been assigned an age ranging from Ordovician or older - Argillie - to middle or upper Ordovician - siltstone. Igneous rocks consisting of igneous breccia, granodiorite porphyry and felsite dykes of Tertiary (?) age cut all three members of the sedimentary unit and appear to have localized the sulphide deposits at Bowser Creek. The sedimentary rocks are folded along a north-northeasterly direction with plunges both to the north-northeast and south-southwest. Locally, the folds are overturned and the axial planes are either vertical or dipping steeply to the east. A major fault system is parallel to the trend of the folding with the faults of this system occurring near axial planes of folds. Both the northeast-trending faults and folds are cut by the intrusive rocks.

ECONOMIC GEOLOGY

The mineralization at Bowser Creek consists of three distinct types, these being:

1. Relatively narrow discontinuous lenses of replacement sphalerite - pyrrhotite carrying silver and minor galena and chalcopyrite in limestone. Example - Sample No. 45811 Figure 5.

2. Narrow but strong faults or shears containing galena rich in silver (argentiferous) and minor sphalerite and chalcopyrite in limestone. Example - Sample No. 04714 Figure 4.

3. Narrow pyrrhotite - sphalerite stringers in shears and fractures within the intrusive. Example - Sample No. 04715 Figure 7.

Of the three types of mineralization the most interesting economically and the one most likely to produce an orebody is the replacement type (No. 1 above) as this type has the following characteristics some of which are not possessed by the other two types:

a) economic grade

b) sufficient tonnage potential

c) susceptibility to available prospecting techniques

The fact that a combination of two of these different types of mineral occurrences may be found in any one area and may therefore be considered as a single mineral zone has already been established.

Figure 4. Sample #'s 45801-802 - Type 2

Sample #'s 45803-805 - Type 1

Obviously such a combination enhances the possibilities of the area. This should be considered in planning any exploration work and in outlining target areas to be explored. All shears and faults should be prospected - especially where they occur in limestone near zones of oxidation or mineralization.

The sample results obtained by Homestake as well as all the significant data prepared by the U. S. G. S. Circular #559 have been compiled in Figures 2, 3, 4, 5, and 7. The reader is referred to these figures included with this report. (Comparison)

The geological mapping completed by Reed and Elliott was found to be accurate where checked.

Mineralization, although narrow and discontinuous as noted, appears to possess strong continuity along zones as may be verified by the fact that the zone sampled by U. S. G. S. and Homestake Figure 3 is on strike with the zone of Figure 5 - a distance of over 2500 feet along strike. In addition, subsequent work by Alaskamin has uncovered mineralization south of Area 3 - again along strike of the zone of Figure 3. Both areas are located on the Eastern intrusive - limestone contact with the Ag-Pb ratio being as high as 4 : 1 in some sections. That portion of ground covered with morainal till and rubble between areas 3 and 5 should be investigated for possible extensions of mineralization by means of

vertical loop E-M, mapping and hand trenching (where possible) or possibly shallow drilling if feasible.

RECOMMENDATIONS

1. A preliminary work programme for the claim block and surrounding area indicated on photo enlargement of Bowser Creek should include the following:

   a) reconnaissance mapping of the area, employing,

      2 geologists

      2 prospectors

      2 drillers

      2 helpers

      1 cook.

   Initial mapping to determine correct location of contacts, and structural features should be carried out on a scale of 1" = 1000 feet. A photo enlargement should be prepared at this scale to provide a good base map on which to plot information obtained.

   b) selection of favourable area (i. e. intrusive sedimentary contacts, skarn zones and shearzones, etc.) to be followed by detailed mapping at a scale suitable to the type of topography and abundance of outcrop present. Plane table mapping should be considered for selected areas.

   c) general prospecting of the north half of the claim block - gamma group.

d) vertical loop E-M ground survey and magnetometer survey over areas covered with overburden to trace and locate sulphide conductors.

e) hand trenching (gasoline rock drill) and sampling in conjunction with prospecting and as follow-up work to detail mapping and E-M survey.

2. This preliminary programme to be carried out with support of helicopter.

3. The reliability of previous sampling, including Homestake sampling, to be checked. Sampling to be extended and carried out in a more systematic manner. Many of the assay results given in Circular No. 559 are either "grab" or "selected" samples and should not be considered as anything other than indications of mineralization.

4. Soil sampling of selected areas should be taken on a grid pattern since topographic ridges run approximately North-South and structure also trends approximately North-South.

5. Time for completion of this programme is estimated to require six weeks employing the persons indicated. The cost for this six weeks programme is estimated to be not less than $35,000. This cost should allow for:

Estimate of Costs - 6 weeks basic crew - 9 men

Wages (9 men at $750/month including overhead)	$ 10,125
Engineering (maps, air photo enlargement etc)	1,000
Assaying	1,500
Geochemistry of select area	1,500
Geophysics of select area	2,000
Mobilization	2,500
Demobilization	2,500
Transportation - including weekly supplies	1,500
Supervision	2,500
Helicopter (50 hours at $100/per hour)	5,000
Grub	2,000
Camp costs	1,500
Sub total	33,625
Contingencies (add approximately 10%)	3,625
TOTAL	$37,250.00

6. Other areas referred to in U.S.G.S. Circular #569 example Ozzna Creek should be prospected and investigated by methods similar to those indicated above.

Yours truly,

WESTERN GEOLOGICAL SERVICES LTD.,

J. Buchholz

J. Buchholz

JB:vsm

July 22, 1968

TO:

Homestake Minerals Development Ltd.,

615 - 1030 West Georgia Street,

Vancouver, B. C.

Certificate of Assay

COAST ELDRIDGE

PROFESSIONAL SERVICES DIVISION

WARNOCK HERSEY INTERNATIONAL LIMITED

125 EAST 4TH AVE. VANCOUVER 10, B.C., CANADA

PHONE: (604) 876-4111
TELEX: 04-50353
CABLE ADDRESS: ELDRICO

FILE NO. H.3-H.8-68-42328

DATE June 21, 1968

We Hereby Certify *that the following are the results of assays made by us upon submitted* Ore *samples*

MARKED	GOLD		SILVER	Lead (Pb)	Zinc (Zn)	Copper (Cu)2			
	OUNCES PER TON	VALUE PER TON	OUNCES PER TON	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.	PER CENT.
04711	Trace	$	13.0						
04712	Trace		6.5	0.11	10.19	0.18			
04713	Trace		3.2	Trace	6.34	0.17			
04714	0.02	0.70	250.3	56.07	1.08	0.12			
04715	Trace		21.1	0.16	2.36	0.80			
45801	0.01	0.35	136.0	44.02	0.73	0.11			
45802	0.01	0.35	51.3	12,82	0.40	0.11			
45803	Trace		12.6	2.52	3.82	0.03			
45804	Trace		6.3	0.11	0.20	0.02			
45805	Trace		2.5	0.11	1.01	0.01			
45806	Trace		8.0	4.67	10.34	0.08			
45807	0.01	0.35	0.8	0.11	1.89	0.02			
45808	0.01	0.35	0.5	Trace	1.91	0.18			
45809	0.01	0.35	1.6	0.11	5.43	0.02			
45810	0.01	0.35	0.5	Trace	3.47	0.03			
45811	0.02	0.70	8.5	0.11	19.62	0.05			
45812	0.02	0.70	7.7	Trace	24.92	0.09			

/cr *Gold calculated at $* ..... *per ounce*

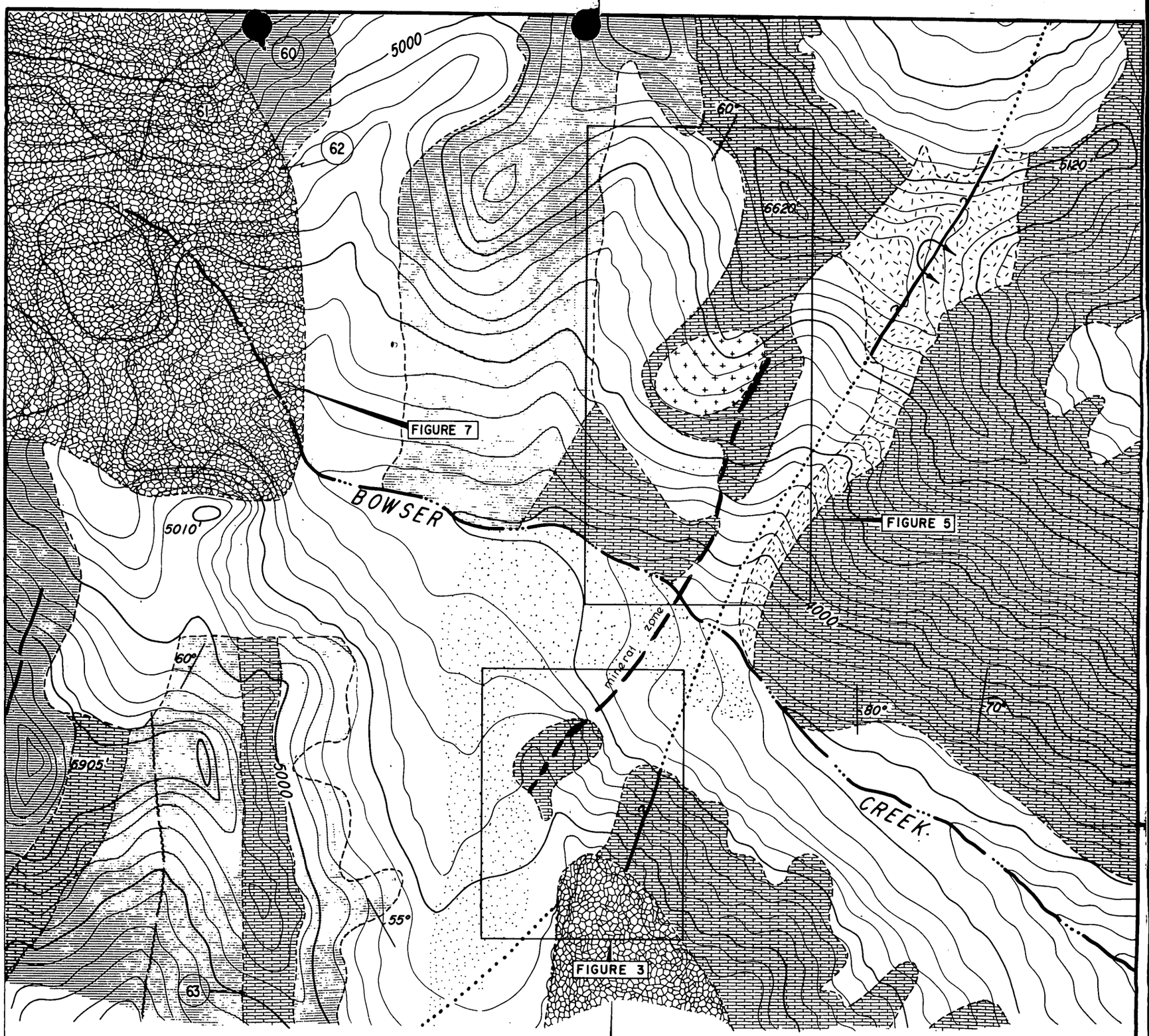
Note. Rejects retained one week.
Pulps retained one month.
Pulps and rejects may be stored for a maximum of one year by special arrangement.

Unless it is specifically stated otherwise, gold and silver values reported on these sheets have not been adjusted to compensate for losses and gains inherent in the fire assay process.

H. Shaughnessy

Provincial Assayer

FORM C66 (REV. 5-68)



LEGEND

- Igneous breccia
- Granodiorite porphyry
- Siltstone (interbedded shale limestone)
- Limestone
- Argillite
- Contact
- Fault
- Folding
- Bedding (inclined, overturned, crumpled)
- (64) Sample Location

HOMESTAKE MINERAL DEVELOPMENT COMPANY
VANCOUVER, B.C.

GEOLOGY OF AREAS 3,5 & 7

ALASKAMIN PROSPECT
BOWSER CREEK, ALASKA

AFTER REED & ELLIOTT (1968)

SCALE: 1" = 500'

Feet 500 0 500 1000 1500 Feet

W.G.S – July, 1968.

Soil Sample Results (in parts per million)
Semiquantitive Spectrographic Analyses

Sample No.	Ag	Cu	Pb	Zn	Description
1	20	10,000	7,000	M	12' depth brown horizon
2	70	10,000	15,000	100,000	Below sample 1 - greenish horizon
12	>1000	2,000	>5,000	>10,000	Galena - shear zone in skarn
15	700	700	>5,000	>10,000	Pyrite and galena vein
16	150	2,000	3,000	>10,000	Sphalerite-galena vein
17	30	1,500	1,500	>10,000	Sphalerite-galena vein
19	70	3,000	300	>10,000	Oxidized skarn
20	200	50	>5,000	>10,000	Sheared mineralized skarn
21	.7	150	30	500	Felsite Dyke

ROCK CHIP SAMPLE RESULTS (in oz per ton and percent)
(Atomic absorption)

Sample No.	Ag/oz Per Ton	Cu%	Pb%	Zn%	Width	Description
3	2.4	.11	.09	5.95	8'	Skarn zone
4	6.1	.49	.78	14.7	5'	" "
5	3.9	.32	.14	7.42	Select	" "
6	2.4	.04	.09	2.55	5'	Limestone
7	.4	.01	.03	.61	5'	Limestone
8	.9	.08	.03	.48	8'	Limestone
9	.2	.01	.02	.22	30'	Oxidized skarn
10	52.2	.11	27.2	1.59	20'	Sheared Oxidized skarn
11	309.8	.14	60.0	2.17	Select	Galena in shear
13	1.9	.19	.2	3.18	12'	Oxidized vein
14	56.3	.25	39.0	5.70	Select	Pyrite & galena from vein
18	20.5	.07	16.0	3.72	20'	Limestone
22	2.4	.15	.17	4.3	5'	Mineralized skarn
04711	13.0				Grab	Highly leached oxidized zone
04712	6.5	.18	.11	10.19	6'	Marmatite minor Cu
04713	3.2	.17	Tr.	6.34	10'	Steeply dipping gossan zone adjacent to Lst. contact

U.S.G.S. Homestake

> = Greater than

Figure 3 - Geology and Location of Samples on Southwest side of Bowser Creek

(after Reed and Elliott - 1967)

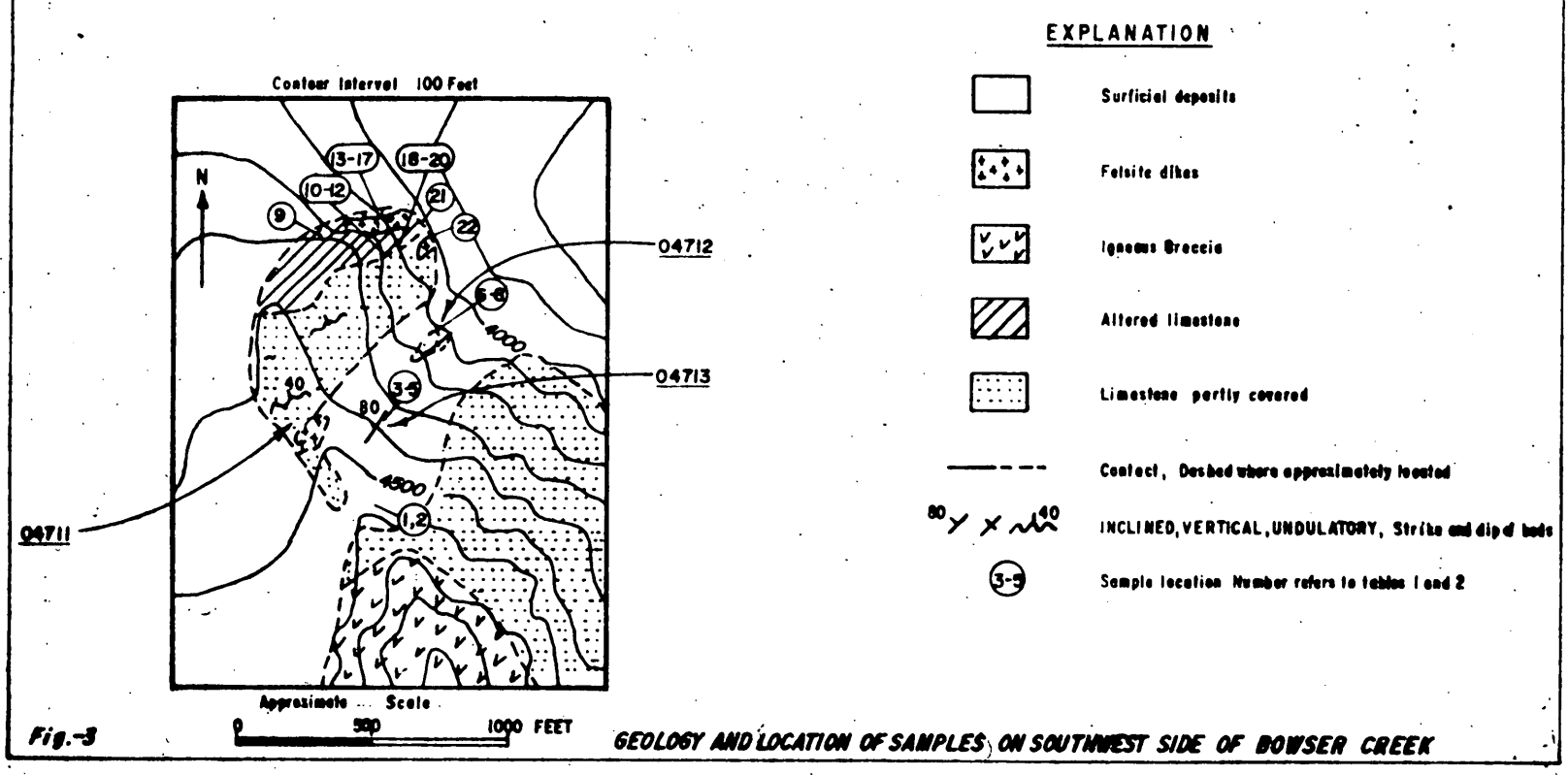
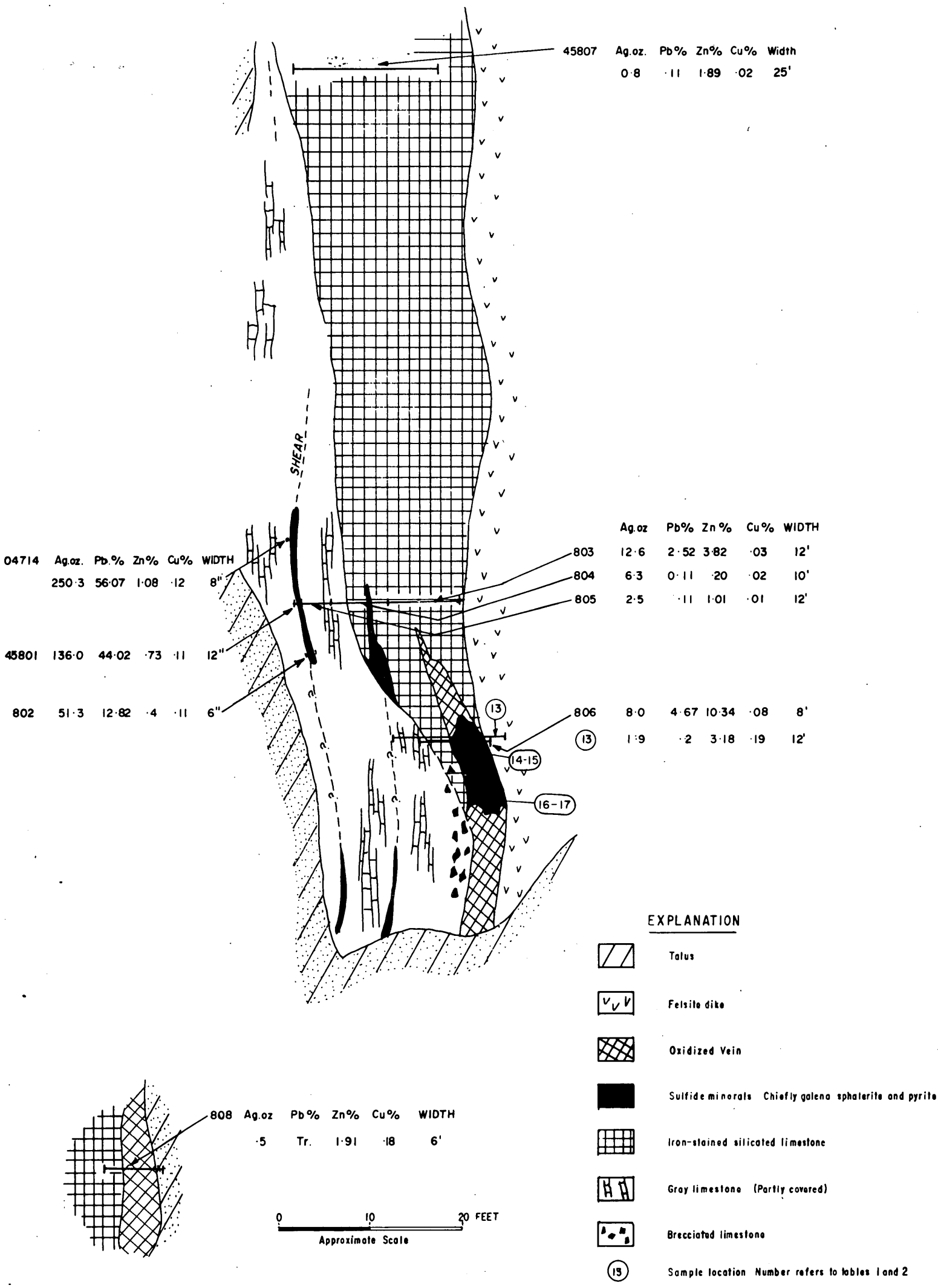


Fig.-3 GEOLOGY AND LOCATION OF SAMPLES ON SOUTHWEST SIDE OF BOWSER CREEK



CLIFF FACE AND VICINITY SHOWING SULFIDE VEIN ADJACENT TO FELSITE DIKE IN AREA SOUTHWEST OF BOWSER CREEK

Fig. 4

Rock Chip Sample Results (in oz per ton & per cent)
Atomic absorption

	Sample No.	Ag/oz Per ton	Cu %	Pb%	Zn%	Width	Description
U.S.G.S.	23	3.5	2.44	0.02	4.02	3'	Sulphide lenses in limestone
	24	1.9	.65	.02	1.04	3'	"
	25	5.6	1.10	.05	4.72	3'	"
	26	11.5	.02	24.0	.16	Select	Galena stringers in skarn (2"-3")
	27	1.2	.07	.15	5.95	Select	Mineralized shear zone
	28	.5	.03	.04	4.83	3'	" "
	29	3.0	.55	.26	22.1	Select	" "
	30	.9	.02	1.55	2.96	5'	"
	31	3.7	.07	11.5	18.7	Select	"
	32	.1	.03	.01	.03	5'	Sphalerite in Skarn along shear
	33	2.2	.96	.06	12.2	Select	
	34	1.6	.08	.48	7.44	5'	Mineralized limestone outcrop
	35	.5	.02	.02	2.88	5'	Oxidized skarn
	36	.6	.05	.03	4.76	8'	"
	37	.5	.02	.04	4.55	5'	Mineralized skarn
	38	.5	.04	.02	14.5	10'	"
	39	.4	.02	.17	4.3	15'	"
	40	1.6	.06	.08	7.46	15'	Sulphide lenses in skarn
	41	3.7	.13	.24	4.97	25'	Sulphide zone in skarn
	42	10.1	.33	2.1	8.55	Select	"
Homestake	45809	1.6	.02	.11	5.43	5'	Skarn 20' east of Granodiorite
	45810	.5	.03	Tr.	3.47	10'	Altered Lst. Gossan zone
	45811	8.5	.05	.11	19.62	10'	Sulphide vein east of Granodiorite contact
	45812	7.7	.09	Tr.	24.92	2'	Grab Sulphide vein

Figure 5 - Geology and Location of Samples
on Northeast side of Bowser Creek

(after Reed and Elliott - 1967)

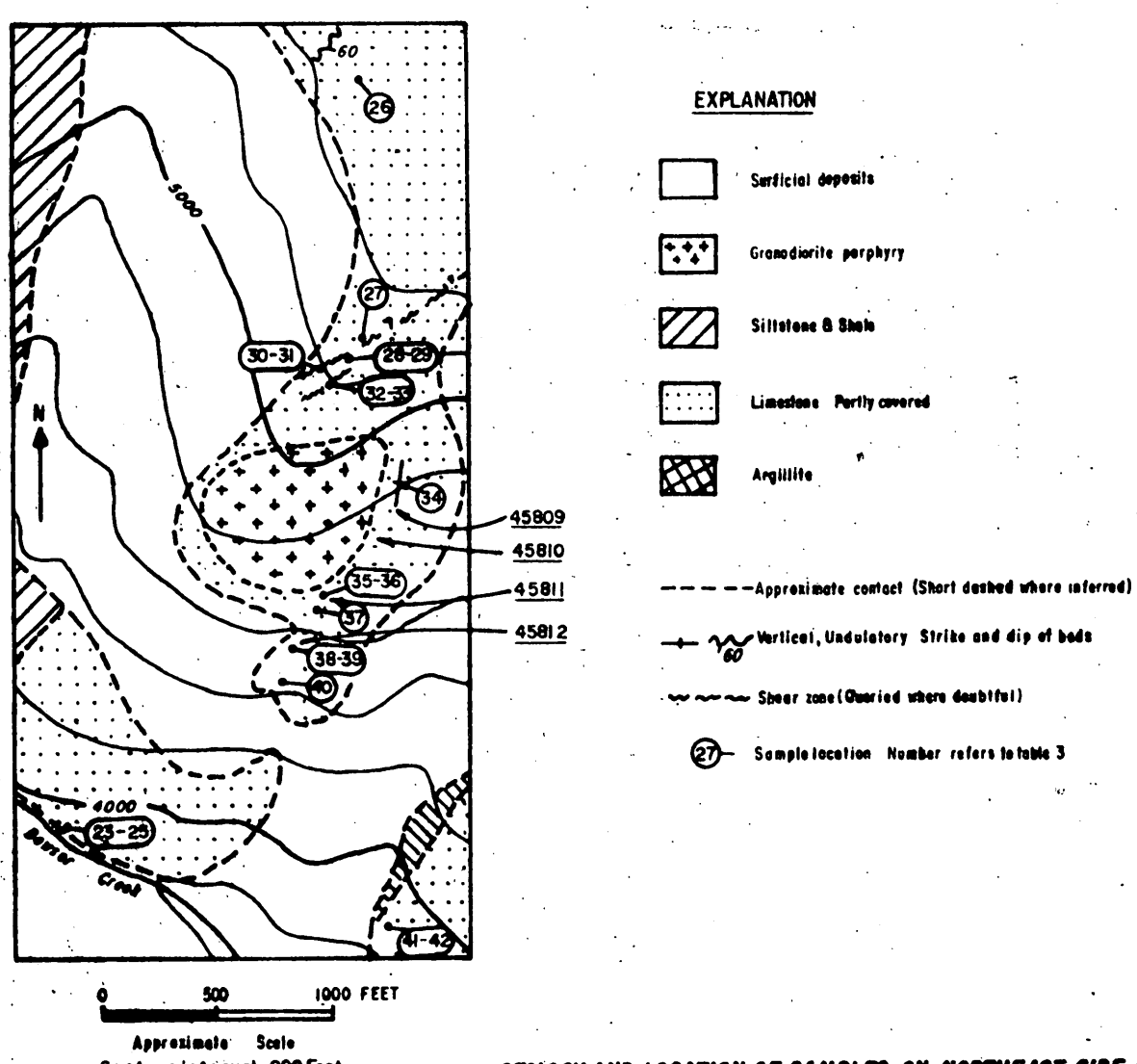


Fig. 5 GEOLOGY AND LOCATION OF SAMPLES ON NORTHEAST SIDE OF BOWSER CREEK

Rock Chip Sample Results (In parts per million)
Semiquantitive spectrographic analyses

Sample No.	Ag	Cu	Pb	Zn	Width	Description
43	10	500	200	A	3'	Pyrrhotite veins in igneous breccia
44	20	1,500	200	A	5'	" " "
45	70	10,000	1,000	30,000	Select	" " "
46	20	1,500	150	1,000	5'	" " "
47	100	3,000	700	3,000	Select	" " "
48	100	3,000	3,000	M	"	" " "
49	7	500	100	500	3'	" " "
50	300	20,000	3,000	100,000	Grab	Narrow NW veinlets in igneous breccia (pyrrhotite sphalerite minor chalcopyrite)
51	100	3,000	1,000	2,000	Grab	" " "
52	10	2,000	30	5,000	Grab	" " "
53	5	200	150	2,000	3'	1" NW veinlets of pyrrhotite in igneous breccia
54	200	30,000	50	M	Grab	4"-6" NW vein in igneous breccia
55	200	15,000	700	M	Select	Mineralized breccia zone (4")
56	A	15	20	A	Grab	Igneous breccia-less than 5% sulphides
57	A	50	50	1,000	Grab	" " "
58	A	200	15	A	3'	Oxidized sulphide zone in limestone
59	50	150	10,000	5,000	Select	Pyritized mafic dyke
60	30	200	7,000	20,000	Select	Oxidized shear zone
61	100	30,000	500	5,000	Select	3' shear in oxidized argillite
62	100	20,000	30	2,000	Select	Disseminated mineral in mafic rock
63	300	1,500	M	50,000	Select	Oxidized shear zone in limestone
64	5,000	1,500	M	30,000	Select	Galena vein in limestone

U.S.G.S.

CHIP SAMPLE ASSAY RESULTS (in oz per-ton and per cent)

Sample No.	Ag	Cu	Pb	Zn	Width	Description
04715	21.1	.8	.16	2.36	8'	2" stringers of pyrrhotite in sheared intrusive

Homestake

A = Absent M = less than 10%

Figure 7 - Geology and location of samples at the headwaters of Bowser Creek (after Reed and Elliott - 1967)

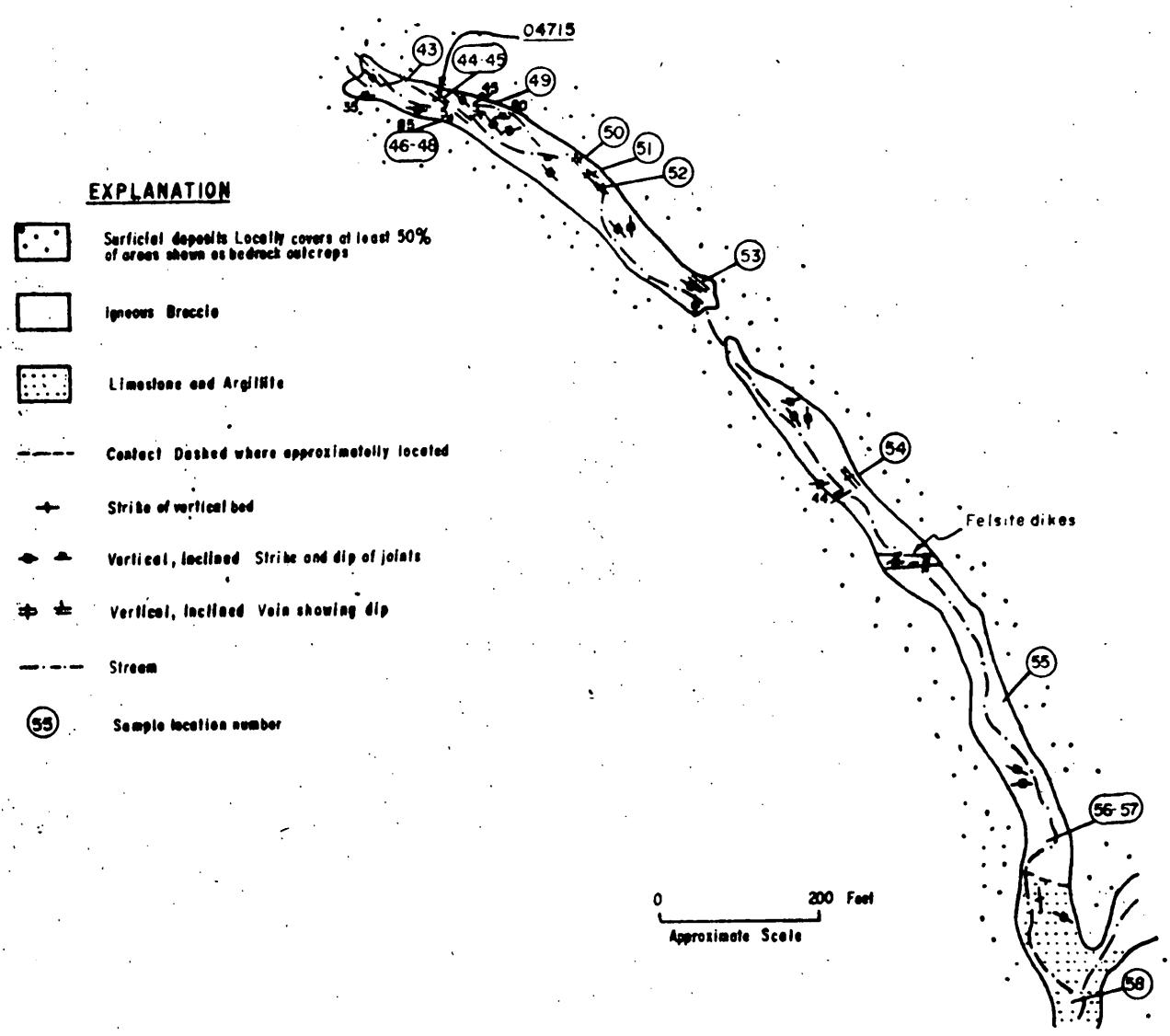


Fig.7 GEOLOGY AND LOCATION OF SAMPLES AT THE HEADWATERS OF BOWSER CREEK

M 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OPERATOR'S MONTHLY VOUCHER

For Month of July, August & September

Docket No. OME- 6850- Silver
Contract 14-08-0001 2305
Contract Amount $ 89,420.00
Gov't. Participation % $ 25 & 75 %
$45,315.00

Operator's Name THE ALASKAMIN COMPANY
Address P. O. Box 1387, San Carlos Ca. 94070

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Mobilizing		$ 537.00		$ 537.00	0.16	$ 537.00	0.16	$ 537.00
Drifting	12 ft.	1440.00		1440.00	12	1440.00	12	1440.00
Supervision		500.00		500.00	0.5	500.00	0.5	500.00
Sample Sacks	20 ea.	10.00		10.00	20	10.00	20	10.00
Assaying		30.00		30.00	3	30.00	3	30.00
Office		50.00		50.00	0.5	50.00	0.5	50.00
TOTALS Stage II		$ 2567.00		$ 2567.00		$2567.00		$2567.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 19 1973 *Payee The Alaskamin Company

Per Chuck Wilton Title Secretary

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A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature R. M. Smith for OME Field Officer Date 9/21/73

Approved for: $
(SUBJECT TO AUDIT)

Signature

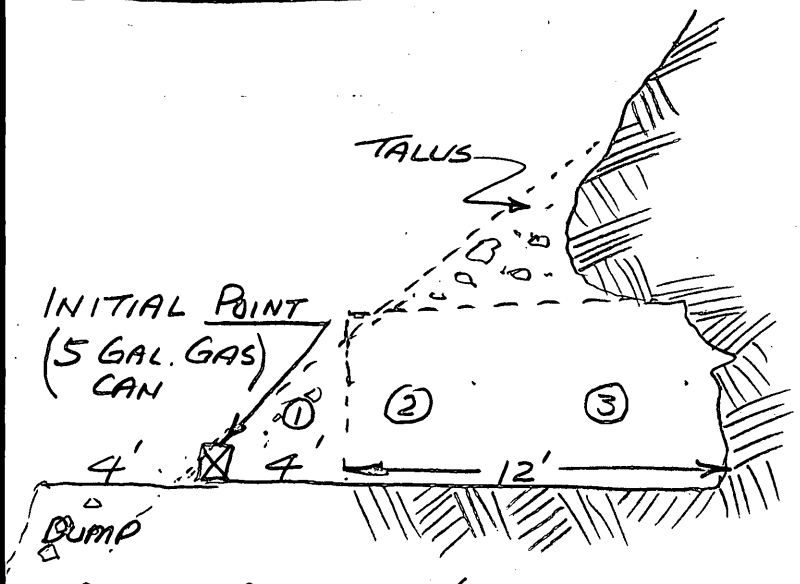
Date Vou. No.
(SEE OTHER SIDE)

FOR OPERATOR'S USE

REMARKS

ALASKAMIN PROPERTY

ADIT ON ALPHA 31 CLAIM.



CROSS-SECTION - LOOKING EAST

SAMPLES TAKEN

① SULPHIDE FLOAT IN TALUS
② SULPHIDE FLOAT IN TALUS
③ FACE SAMPLE (5' WIDTH) 9+ FROM INITIAL POINT

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The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

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FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OPERATOR'S MONTHLY VOUCHER

For Month of July, August & September

Docket No. OME- 6850- Silver
Contract 14-08-0001 2305
Contract Amount $ 89,420.00
Gov't. Participation % $ 25 & 75 %
$45,315.00

Operator's Name THE ALASKAMIN COMPANY
Address P. O. Box 1387, San Carlos Ca. 94070

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Mobilizing		$ 537.00		$ 537.00	0.16	$ 537.00	0.16	$ 537.00
Drifting	12 ft.	1440.00		1440.00	12	1440.00	12	1440.00
Supervision		500.00		500.00	0.5	500.00	0.5	500.00
Sample Sacks	.50 ea.	10.00		10.00	20	10.00	20	10.00
Assaying		30.00		30.00	3	30.00	3	30.00
Office		50.00		50.00	0.5	50.00	0.5	50.00
TOTALS Stage II		$ 2567.00		$ 2567.00		$2567.00		$2567.00

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 19 1973 *Payee The Alaskamin Company

Per Chuck Wilton Title Secretary

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A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature R. M. Smith for OME Field Officer Date 9/21/73

Approved for: $
(SUBJECT TO AUDIT)

Signature

Date Vou. No.
(SEE OTHER SIDE)

FORM 9-1648
MARCH 1968

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

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Date _____ Vou. No. _____
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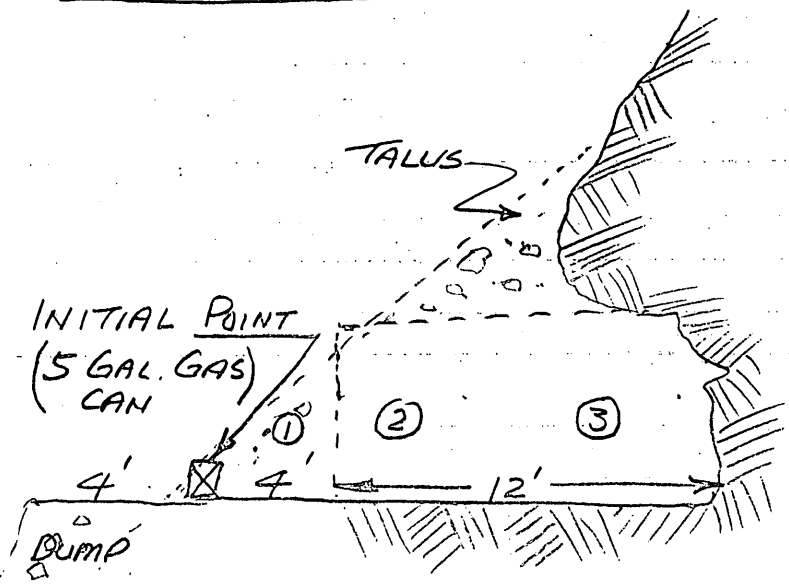
REMARKS

ALASKAMIN PROPERTY

ADIT ON ALPHA 31 CLAIM.



CROSS-SECTION - LOOKING EAST

SAMPLES TAKEN

1. SULPHIDE FLOAT IN TALUS
2. SULPHIDE FLOAT IN TALUS
3. FACE SAMPLE (5' WIDTH) 9+ FROM INITIAL POINT

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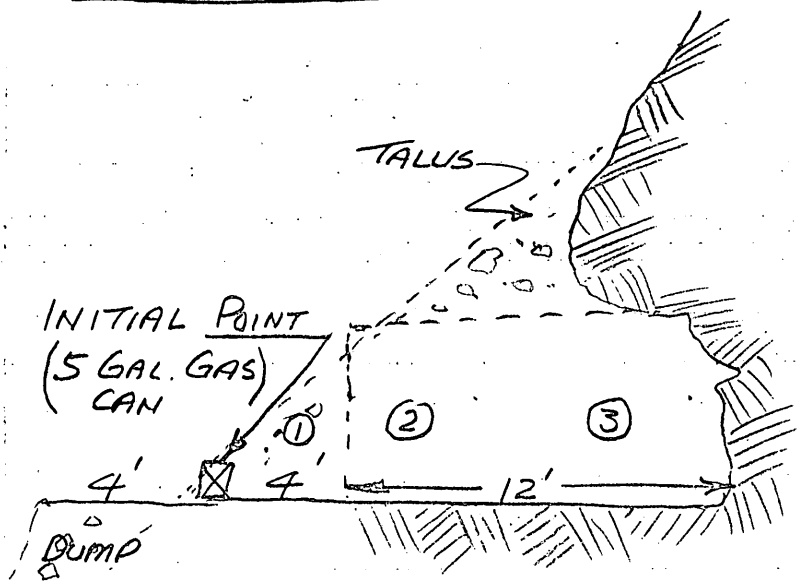

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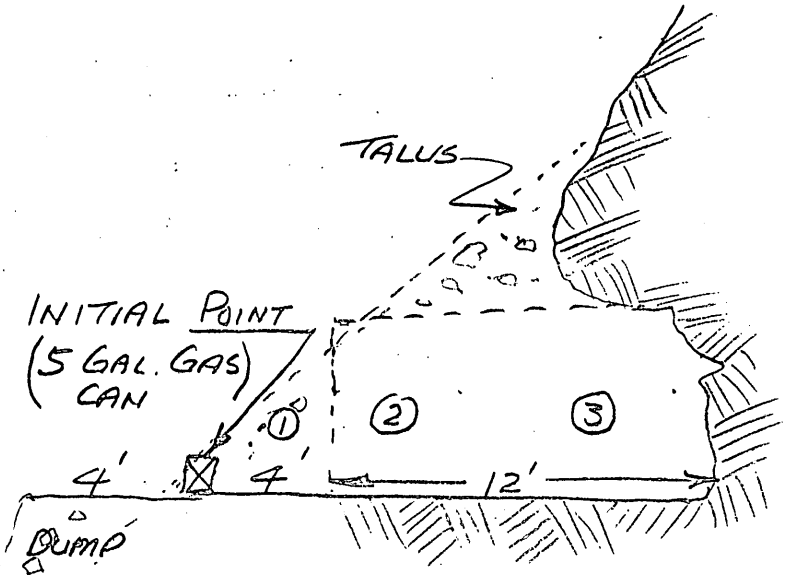

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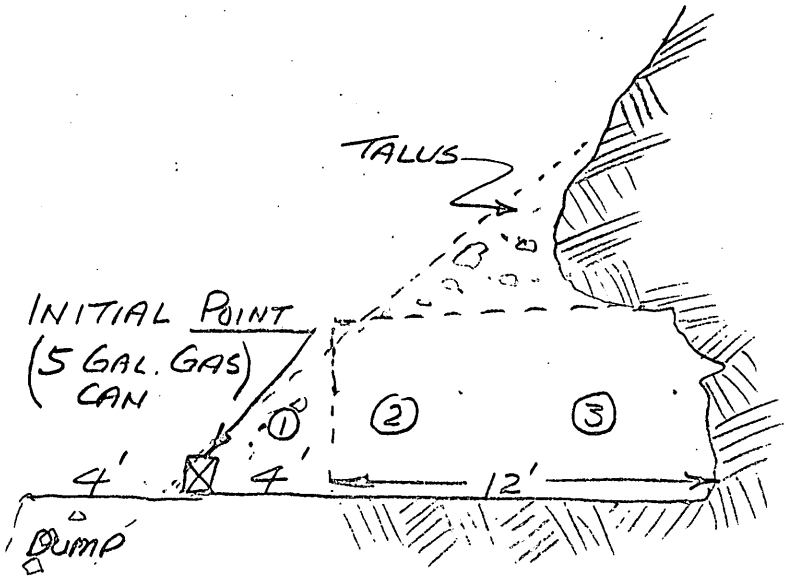

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9-25

Kirk!

I called Roscoe about the Alaskamin voucher, questioning

1. do we pay fractional parts of mobilization costs?
2. do we pay sample sacks + assays without proof of payment or billing?

He says, after conferring with Hal, that P2, on back of form - "Preparation -- of vouchers" is the basis for allowing these.

OFFICE OF MINERALS EXPLORATION

Docket No. OME- 6850
Contract 14-08-0001 2305
Contract Amount $ 89,420.00
Gov't. Participation %25 and 75% 45,315
Contract Date July 25, 1972
Contract ends Jan. 25, 1974
Amendments: #1

OPERATOR'S MONTHLY VOUCHER

For Month of _____

Operator's Name The Alaskamin Company
Address PO Box 1387, San Carlos, Calif. 94070

* - indicates a maximum

COST CATEGORIES see Exhibit A	Contract Units	Contract Rate	Contract Costs	SUMMARY OF UNITS AND COSTS EACH MONTH U	$	U	$	U	$	U	$	U	$	U	$
Fixed Unit Costs and															
(1) Independent Contracts:															
Access Road	Job		* $43,500.00												
Govt Partic. 25%			* 10,875.00												
Mobilize - demobilize	Mob	3,255.00	* 6,510.00												
Drifting	800	30.00/ft	* 24,000.00												
Long-hole drilling	1,400	5.00/ft	* 7,000.00												
Assaying	300	10.00/sample	* 3,000.00												
Office costs	4	100.00/mo	*												
			*												
			*												
			*												
			*												
			*												
			*												
			*												
			*												
(Tot)			*												
(2) Personal Services:															
Supervision & Technical	4	* 1,000.00/mo	* 4,000.00												
Outside Consultants	*		*												
Labor															
(3) Operating Mat'l. & Supplies:															
1 Sample Splitter	1	40.00	40.00												
Sample Sacks	540	@ 0.40/sack	270.00												
(4) Operating Equipment:															
Rental	*	*	*												
Purchase															
Depreciation	*	*	*												
(5) Initial Rehab. & Repairs:															
Buildings, Fixtures, etc.			*												
Operating Equipment			*												
(Tot)			*												
(6) New Buildings, Fixtures, etc.			*												
(7) Miscellaneous:															
Transp. 1 samples			@ 700.00												
(Tot)			89,420.00 *												
TOTALS			*												
Gov. Part. Paid			45,315.00												

Disallowed - Recaptured
Reclaimed -

OFFICIAL
COPY
O. M. E.
RECEIVED
SEP 25 1973

INITIALS	CODE
Paul	BW
	120

Government's Copy

Division III
RECEIVED
DEC 14 1971
Denver, Colorado

EXPLORATION CONTRACT
JOSEPH DESLOGE, JR.
OME-6813

AMENDMENT NO. 2

It is agreed this 8th day of December, 1971, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and Joseph Desloge, Jr., an individual, hereinafter called the "Operator," that Exploration Contract 2292 (OME-6813), dated January 27, 1971, as amended April 27, 1971, hereinafter called the "Contract," is further amended effective July 26, 1971, as follows:

1. (a) Work under the Contract may be suspended during the period beginning September 1, 1971, and resuming on or before June 1, 1972.

(b) The Government shall not contribute to any costs incurred during the period of suspension.

(c) The Government shall not contribute or be liable for any costs of rehabilitation or repair or any other costs which would not have occurred if there had been no suspension of work, or which may arise out of this suspension.

(d) The Operator, at its own cost and expense, without contribution by the Government, during the period of suspension shall preserve and protect the project work.

2. The date fixed by Article 1(a) of the Contract for completion of the work is extended from six (6) to twenty-two (22) months from the date of the Contract or until November 27, 1972.

3. The maximum period for royalty payments as provided in Article 7(b) of the Contract and for the lien to secure payment thereof is extended from ten (10) to twelve (12) years from the date of the Contract.

For Alaska admin Amend, #2

4. It is the essence of the Contract that the work under the Contract be resumed on or before the end of the period of suspension. If the work is not resumed in the manner required by the Contract on or before June 1, 1972, the provisions of Article 7(b) of the Contract respecting written notice of default by the Government and a reasonable time within which to cure the default are hereby waived by the Operator and the following provisions shall thereupon become immediately effective:

(a) The Contract and all obligations of the parties thereunder, except as otherwise provided herein, shall be and are hereby terminated effective September 15, 1973.

(b) The Government will contribute only to the allowable costs incurred prior to August 31, 1971. September 15, 3

(c) The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including the rendering of the final report and final account.

(d) 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 the royalty on production provided for in the Contract in the same manner and amount and for the same period as if certification of possible production had been made by the Government pursuant to Article 6 of the Contract, such certification being hereby waived by the Operator. In addition, all rights of the Government provided for in the Contract with respect to certification of possible production, royalties on production and liens to secure the payments thereof, reports (including preservation of Operator's records), accounts, audits, and the right to recover any overpayments are hereby preserved.

For Amend. #2 Alaska min

(e) The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of the Contract, except as otherwise provided for in this Amendment No. 2.

This amendment shall not be construed to increase the estimated total cost of the Contract, the aggregate amount which the Government may be required to contribute, the amount of any item designated as maximum, nor the fixed unit cost of any item of work.

5. Except as herein amended, Exploration Contract 2292 (OME-6813), dated January 27, 1971, shall remain in full force and effect.

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Harold Kirkham
Chief, Office of Minerals Exploration

App'd. Sol. Off.
12/7/71 Martin
Kirkham
12/8/71 Gain

JOSEPH DESLOGE, JR.

By Joe Desloge Jr

Operator

ROUTING AND TRANSMITTAL SLIP

		ACTION
1 TO (Name, office symbol or location) Associate Solicitor--MR Room 6554 Interior Building	INITIALS DATE	CIRCULATE COORDINATION
2 Mr. Weeks, Rm. 865 Matomic Bldg.	INITIALS DATE	FILE INFORMATION
3	INITIALS DATE	NOTE AND RETURN PER CONVERSATION
4	INITIALS DATE	SEE ME SIGNATURE

REMARKS

OME-6836, Contract 2305
The Alaskamin Company

Proposed Amendment No. 1 for typing.
Please call when ready.

Do NOT use this form as a RECORD of approvals, concurrences, disapprovals, clearances, and similar actions.

FROM (Name, office symbol or location)	DATE
Harold Kirkemo, OME, Matomic Building	12-6-72
	PHONE 5371

12/12/72 Martin

DRAFT 12/6/72
RAWeeks/gla

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-~~6836~~ 6850

AMENDMENT NO. ~~1~~ 2

It is agreed this _____ day of _____, 197~~2~~3, between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and The Alaskamin Company, hereinafter called the "Operator," that Exploration Contract 2305 (OME-~~6836~~ 6850), dated July 25, 1972, ~~is~~ as amended December 14, 1972, is further amended effective September 1~~5~~5, 197~~2~~3, as follows:

~~1.~~ The ~~time~~ date fixed by Article I (a) of the Contract for completion of the work is extended from ~~six (6)~~ eighteen (18) months to ~~eighteen (18)~~ thirty (30) months from the date of the Contract, or until January 25, 197~~4~~5.

2. (a) Work under the Contract may be suspended during the period beginning September ~~1~~15, 197~~2~~3, and ending no later than ~~July~~ June 1, 197~~3~~4.

(b) The Government shall not contribute to any costs incurred during the period of suspension.

(c) The Government shall not contribute to or be liable for any costs of rehabilitation or repair or any other costs which might not have occurred if there had been no suspension of work, or which may arise out of this suspension.

(d) The Operator, at its own expense, and without contribution by the Government, during the period of suspension shall preserve and protect the project work.

3. The maximum period for the payment of royalty set forth in Article 6 (b) (2) of the Contract and for the lien to secure payment

thereof set forth in Article 6 (e) of the Contract is extended from ten (10) to twelve (12) years from the date of the Contract, or until July 25, 1985. This amendment shall not be construed to increase the estimated cost of the Contract, the aggregate amount which the Government may be required to contribute, the amount of any item designated as maximum, nor the fixed unit cost of any item of work.

Insert #4. from Deslogge Amend. #2.

twelve (12) thirteen (13)

5. ~~4~~. Except as herein amended, Exploration Contract 2305 (OME-6850), dated July 25, 1972, shall remain in full force and effect.

Executed in quadruplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By_____
Chief, Office of Minerals Exploration
U. S. Geological Survey

THE ALASKAMIN COMPANY

By_____

Title_____

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

June 30, 1977

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

We received no reply to our letter of August 30, 1976, to Mr. C. Wilton, Secretary-Treasurer, The Alaskamin Company, inquiring about disposition of about 10 tons of ore and possible royalty to the Government if the material had been sold.

From a telephone conversation on June 21, 1977, with Mr. H. K. Stager, Field Officer, OME Region II, we understood that in all probability, The Alaskamin Company has been dissolved and no one can act on behalf of the former company. It would be futile, therefore, to further pursue the matter mentioned above. The balance of $1,500 outstanding on the contract will be written off as a loss (see memo dated June 30, 1977, to Branch of Financial Reports).

Harold Kirkemo

Harold Kirkemo

cc: Region II

DRF
MR Rdg.
OME Rdg./Files
Mr. Kirkemo

HKirkemo/gpw 6/21/77

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

June 30, 1977

Memorandum

To: Branch of Financial Reports

From: Chief, Office of Minerals Exploration

Subject: Recording of realized losses under OME contracts

Write off of losses on the listed OME contracts is authorized:

Contract	Docket	Operator	Write-off
2203	6436	Cortez Joint Venture	$118,863.22
2305	6850	The Alaskamin Company	1,500.00

Harold Kirkemo

Harold Kirkemo

United States Department of the Interior

GEOLOGICAL SURVEY
RESTON, VIRGINIA 22092

August 30, 1976

Mr. C. Wilton
Secretary-Treasurer
The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Dear Mr. Wilton:

We referred to the requirement for a royalty on production in the fifth paragraph of our letter to you dated January 31, 1975 (copy enclosed).

Has any portion of the stockpiled ore, reported in your letter to Mr. H. K. Stager dated September 30, 1974, to total about 10 tons, been sold? If so, royalty at the rate of 5 percent of gross proceeds is due and payable.

We were closing our books and records on several terminated contracts, and noted the possibility of royalty due on this contract. We would appreciate your attention to this item at your earliest convenience.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

6/21/77 Phone conversation with Stager.
Stager understands that Alaskamin is disbanded – no one left in the company. Recommends writing off the loan.
H. Kirkemo

cc:
DRF
MR Rdg.
OME Rdg.
OME Files
Mr. Kirkemo
Region II

HKirkemo/gpw

C
O
P
Y

January 31, 1975

Mr. C. Wilton
Secretary-Treasurer
The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Dear Mr. Wilton:

This is in reply to your letter of January 22, 1975, to Mr. H. K. Stager, Field Officer, OME Region II, requesting a one-year extension of the subject OME contract.

We reviewed the record of work accomplished to date and the outlook for completion of work and have concluded that it is not in the best interests of the Government to extend the Contract. Therefore, the contract terminated on January 25, 1975, the date established in Paragraph 1, Amendment No. 2, dated December 28, 1973.

As stated in our letter of December 2, 1974, we understand the current problems with operating a property in Alaska, and we realize that the potential of the property has not been tested. However, the performance record for work done on the contract is poor. Even the first stage of a six-month work program was not completed in two full field seasons, and it is very uncertain that both stages could be completed in another year under present plans.

In lieu of a final report from the Operator as required under Article 5(c) of the contract, we will consider the narrative reports received to date to be acceptable.

Please note under Article 6(b), 6(b)(1), and 6(d) the responsibility of the Operator to pay royalty to the Government on any production sold from the date of the contract, or on production which is unsold after a lapse of six months from the date the ore was extracted from the ground. We understand that about 10 tons of ore were extracted during the period of the contract, of which about 3 tons were shipped to Anchorage, and 7 tons remain unsold at the mine site. Royalty at the rate of 5 percent of the gross proceeds (Article 6(c)(1)) from any ore sold to date is now due and payable. Royalty on stockpiled ore will be due in

the near future as noted above. Royalties received will be applied to interest on the amount ($1,300) owed the Government for work done on the contract, and the balance applied to reduce the principal.

We regret that circumstances prevented completion of work, but be assured that termination of the contract does not reflect adversely on the potential of the deposit.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Write off $1500 but indicate that $200 was transferal to Miscellaneous Receipts by memo of Feb. 21, 1975.

Discussed with Bob Edwards 8/27/76.

February 21, 1975

Memorandum

To: Branch of Financial Reports
Geological Survey

From: Chief. Office of Minerals Exploration

Subject: Transfer of funds
OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

The $200.00 withheld from the amount approved on the Operator's voucher for July, August and September 1973 pending resumption of work the next season may be transferred to Miscellaneous Receipts. No further construction work was done on a road to the property as required, and the contract terminated January 25, 1975. A copy of the Suspension Statement is enclosed.

Harold Kirkemo

cc:

DRF

MR Rdg.

OME Rdg.

OME Files

Mr. Kirkemo

MME Form 14
July 1965

Contract No. Idm-E 14-23) 2305

Docket No. DMEA MME) 6850

Date of Action February 18, 1975
revised Feb. 21, 1975

DEPARTMENT OF THE INTERIOR
U. S. Geological Survey

OBLIGATION DOCUMENT

To: Chief, Branch of Budget & Finance

From: Chief, Office of Minerals Exploration

Please enter the amounts shown below on the accounts of the Office of Minerals Exploration.

Name and Address of Contractor:

The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Date of Contract	Region	State	Commodity
July 25, 1972	II	Alaska	Silver

	Reserve	Obligation
Prior Amount		$43,815
Increase		--
Decrease		43,815
Revised Amount		0

Remarks:
Contract terminated January 25, 1975

cc: 110
800
210

January 31, 1975

Mr. C. Wilton
Secretary-Treasurer
The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Dear Mr. Wilton:

This is in reply to your letter of January 22, 1975, to Mr. H. K. Stager, Field Officer, OME Region II, requesting a one-year extension of the subject OME contract.

We reviewed the record of work accomplished to date and the outlook for completion of work and have concluded that it is not in the best interests of the Government to extend the Contract. Therefore, the contract terminated on January 25, 1975, the date established in Paragraph 1, Amendment No. 2, dated December 28, 1973.

As stated in our letter of December 2, 1974, we understand the current problems with operating a property in Alaska, and we realize that the potential of the property has not been tested. However, the performance record for work done on the contract is poor. Even the first stage of a six-month work program was not completed in two full field seasons, and it is very uncertain that both stages could be completed in another year under present plans.

In lieu of a final report from the Operator as required under Article 5(c) of the contract, we will consider the narrative reports received to date to be acceptable.

Please note under Article 6(b), 6(b)(1), and 6(d) the responsibility of the Operator to pay royalty to the Government on any production sold from the date of the contract, or on production which is unsold after a lapse of six months from the date the ore was extracted from the ground. We understand that about 10 tons of ore were extracted during the period of the contract, of which about 3 tons were shipped to Anchorage, and 7 tons remain unsold at the mine site. Royalty at the rate of 5 percent of the gross proceeds (Article 6(c)(1)) from any ore sold to date is now due and payable. Royalty on stockpiled ore will be due in

the near future as noted above. Royalties received will be applied to interest on the amount ($1,300) owed the Government for work done on the contract, and the balance applied to reduce the principal.

We regret that circumstances prevented completion of work, but be assured that termination of the contract does not reflect adversely on the potential of the deposit.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

cc:
DRF
MR RDG.
OME File
OME. Kirkemo
Region II
IME Rdg.

HKirkemo/gpw

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 27 1975
INITIALS | CODE

January 23, 1975

MEMORANDUM

To: Chief, Office of Minerals Exploration
Reston, Virginia

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath quadrangle, Alaska
Contract 2305

Enclosed is a request with supporting documents from the Operator for a one-year extension of time to January 25, 1976 in which to complete the work specified in the subject contract.

To date the road is about half completed, and the portal site is excavated to a 10-foot face. Ten tons of ore was mined from a cliff near the portal site, and three tons was hauled to the airstrip by helicopter. Specimens are reported by Mr. Orr to contain about 50 percent galena and 100 ounces silver per ton. Representative samples have been taken but not assayed.

Of the several companies that looked at the property, Noranda is most interested.

Inasmuch as the Operator is not equipped to develop and mine the deposit, production is contingent upon its sale to a mining company. The companies evidently are waiting for proof of downward continuation of the surface showings and for mill tests. The proposed exploration should provide proof, one way or the other. The Operator's agreement with Mr. Risley appears to assure completion of the exploration. We recommend, therefore, that the request be approved.

R. M. Smith
for H. K. Stager

Enclosures

ALASKAMIN COMPANY
P.O. Box 1387
San Carlos, CA 94070

January 22, 1975

Mr. H.K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, CA 94025

Re: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager:

The company is entering into an arrangement with Mr. Lester Risley, which should accomplish the above referenced contract. A letter from Mr. Risley expressing his intentions to accomplish this task is in the mail and should be in your hands in the next few days.

We hereby request a one year extension to 25 January 1976.

Sincerely,

C. Wilton
Secretary-Treasurer

January 22, 1975

The Alaskamin Company
P.O. Box 1387
San Carlos, CA 94070

Re: Assessment work 1975 season

Dear Sirs:

I would like to continue my contract from last year to extract the 100 ton sample (more or less). As you know I took out about 3 tons and have another 7 ton at the mine ready to take out.

If this contract is continued, I can and will guarantee the assessment work being completed next season.

Sincerely,

Les Risley

January 22, 1975

Alaskamin Company
P.O. Box 1387
San Carlos, CA. 94070

Re: Alaskamins O.M.E loan

Dear Sirs:

If the board of directors approve a stock option plan along the lines we talked about last week (17 January 75), I believe I can accomplish the work described in the contract with O.M.E. In fact, I intend to do so for it will greatly enhance the property and aid my sampling efforts. You know my record of performance and I believe I can perform again.

Sincerely,

Les Risley

Minutes of Special Meeting of The Executive Committee

of

Alaskamin Company

January 17, 1975

This meeting was called to order by the president and director B.L. Gabrielsen, other directors present included C. Wilton and J. Orr. Also present were M. Lester Risley and M. Ralph Gabrielsen.

At the meeting the following results were drafted to be ratified by the Board of Directors.

Resolved: It is hereby resolved to enter into an arrangement with Mr. Lester Risley for an option of 1000,000 shares of Alaskamin common stock at $ 1.10 to Lester Risely with the following provisions:

1. The stock may be acquired by the performance of exploration and development work on the Alaskamin holdings at Bowser Creek.
2. The amount of work shall be limited to 250,000 for the 1975 filed season.
3. The data obtained is the property of the Alaskamin Company.
4. The primary goals of this arrangement are to (1) Perform a comprehensive explorative program and (2) Accomplish the annual assessment work.

5. The option is renewable on an annual basis by December 31 at the election of Lester Risley. However, if the company elects not to continue the relationship at that time Mr. Risley is to be paid in stock for all his work to that date plus $67,000 worth of stock for the 1974 assessment work.

THE ALASKAMIN COMPANY

P.O. Box 1387
San Carlos, CA 94070

May 8, 1974

Les Risley
Alaska Air Service, Inc.
Int'l Airport & Lake Hood
P.O. Box 4-469
Anchorage, Alaska 99503

Dear Mr. Risley,

As discussed with you at the stockholders meeting of April 5, 1974 this letter is to authorize Alaska Air Service, Inc. to extract a large mill and smelter sample(s) for the Alaskamin Company.

Alaska Air Service, Inc. is hereby authorized to remove 100 tons, more or less, of higher grade ore from the Alaskamin Company's Bowser Creek property for the purpose of mill and smelter sampling(s).

Alaska Air Service, Inc. is to keep records of the areas sampled and of the amount, assay, etc. of the respective samples.

Alaska Air Service, Inc. is to commence this operation as soon as logistically possible in the 1974 summer season and continue until terminated by the Board of Directors of the Alaskamin Company, but not before 100 tons, or by election of Alaska Air Service, Inc. or by mutual agreement of Alaska Air Service, Inc. and the Alaskamin Company.

Alaska Air Service, Inc. agrees to perform this sampling at its own expense and further to give the Alaskamin Company 10% of the samplings or 10% of the dollar value of the samplings as mutually agreed, and to provide Alaskamin Company with all technical data obtained from these samples.

Since this is not a mining lease, but an exploration agreement to provide information on said property, it will be necessary to provide documentation, (adequate for filing assessment work) of the commercial

value of the work performed by Alaska Air Service, Inc.

Sincerely yours,

B.L. Gabrielsen

President

The Alaskamin Company

(2) The work done on the Alaskamin Property and its holding is summarized below. Mr. Lester Risley and his crew contracted to take a large sample (100 tons more or less) from Alaskamin's Area 1, which in itself contributes a value of $66,370 to the property. Other efforts were mainly exploratory and geologic in nature, hence are applicable to all of the interests of Alaskamin, i.e., Areas 1, 2, 3, 4 and 6. The season's total effort exceeds $122,000, included a great many people, several companies and large expenditures on transportation (see below):

Summary of Alaskamin Work Assessment
1 September 1973 to 1 September 1974

Mobilization Efforts			
Transport	Air Fares	$ 322	
	Misc.	65	
	Lodging	75	
	Food	45	
	Labor		
	Engineering Geology and Management	1,500	
	TOTAL	$ 2,007/Meeting	
	Two Meetings		$ 4,104
Field Reconnaissance			
Transport	Air Fare	$ 697	
	Helicopter	780	
	Fuel Plane	370	
	Misc.	25	
	Lodging	240	
	Food	160	
	Labor	2,500	
	TOTAL	$ 4,772	$ 4,772
Risley's Mass Sample Contract Effort (Area 1)			
Transportation			
	Prop Planes	$ 7,200	
	Jet Planes	1,680	
	Helicopter	3,600	
	Sub-Total	$12,480	

Labor

Miners/ Geologists 210 Man days x $100/Day	$21,000	
Cook (70 Man days x $125/Day	8,750	
Senior Geologists 17-1/2 Man Days x $250/Day	4,375	
Project Manager/ Engineer (17-1/2 Man Days x $250/Day)	4,375	
Sub-Total	$38,500	
Life Support (including all food, fuel material) 315 Man days x $50/Day	$15,750	
TOTAL		$ 66,730

Extraordinary Expense

Plane Crash During a Fueling Flight (estimated cost)	$ 35,000
Total Risley Expense	$101,730

Alaskamin's Efforts

Transportation

Air Fare*	$ 1,050
Cabs, Etc.	25
Lodging	120
Food	150
Misc.	50

Labor

Professional Consultant	4,750
Helper	1,400

Life Support 750

TOTAL $ 8,295

* Note flights to property are under Risley's Account.

Other's Efforts

This category is to cover work done by other companies on Alaskmin's holding. Only effort directly applicable has been recorded.

Noranda

Transportation	$10,000	
Labor	4,400	
Life Support	800	
TOTAL		$15,200

J. R. Simplot

Transportation	$ 3,225	
Labor	2,000	
Lodging and Food	270	
Life Support	200	
TOTAL		$ 5,695

U.S. Steel

Transportation	$ 2,500	
Labor	750	
Life Support	450	
		$ 3,750

H. L. Hunt (Petroleum)

Transportation	$ 7,500	
Labor	2,400	
Life Support	750	
TOTAL		$10,650

Occidental Petroleum

Transportation	$ 500	
Labor	2,500	
Life Support	500	
TOTAL		$ 3,500

Summation of All Expenditures

General:	Mobilization	$ 4,014
	Reconnaissance	4,772
Risley:	Productive	66,730
	Extraordinary	(35,000)
Alaskamin:		8,295
Others:	Noranda	15,200
	J. R. Simplot	5,695
	U.S. Steel	3,750
	H. L. Hunt	10,650
	Occidental	3,500
	TOTAL	$122,606
	EXTRAORDINARY TOTAL	($157,606)

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

April 2, 1974

The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Gentlemen:

Although the actual recess period for work under the subject contract does not end until June 1, 1974, I must urge you to resume work as soon as possible this spring in order to assure completion of the work this season. Any additional extension of time for completion of the work beyond this season is highly unlikely. Please note the provisions of Amendment No. 2 to the contract that provide for immediate termination of the contract if work is not resumed on or before June 1, 1974.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

HKStager:mkh

December 2, 1974

Dr. B. L. Gabrielsen
President, The Alaskamin Company
P. O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Dear Dr. Gabrielsen:

This refers to your letter of September 30, 1974, to Mr. H. K. Stager, Field Officer, OME Region II, describing activities to about September 1, at the Bowser Creek property, requesting that the contract be continued in force at least to January 25, 1975, and, if possible, extending the contract to September 1975.

We appreciate the labor and financing problems encountered in operating a small project in Alaska at this time.

Since the date of your letter we have had no report on progress made with respect to completion of the road to the property, or about any work on the adit. Until we receive a report, but no later than January 25, 1975, we will take no action to terminate the contract. On that date the contract terminates as prescribed in Amendment No. 2, paragraph no. 1. If the road has not been completed by January 25, 1975, we must conclude that it would not be in the best interests of the Government to extend the contract beyond that date because there is no assurance when the exploration work would be undertaken or completed.

Such action should not be considered prejudicial to the potential of the property, but rather a realistic approach to proper management of the modest funds available to the OME program.

Sincerely yours,

Harold Kirkemo, Chief
Office of Minerals Exploration

Copy to Region II

HKirkemo/gpw

DRF
MR Rdg.
OME RDG/OME Files
Mr. Kirkemo

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

October 9, 1974

MEMORANDUM

To: Chief, Office of Minerals Exploration
Reston, Virginia

From: Field Officer, Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath quadrangle, Alaska
Contract 2305

Enclosed is a copy of a letter dated September 30, 1974 from the Operator reporting progress, or lack of it, on the subject project, and requesting that the contract remain in force and be extended to September 1975.

A crew of three started preparatory work on May 20, 1974, before the end of the suspension period specified in Amendment 2 as June 1, 1974. The work done on the OME project consisted of completing the construction staking of the unfinished part of the road (Stage I). No additional road construction was done owing to lack of funds and to competition with the Alaska pipeline operation for catskinners.

The Operator plans to complete the road this fall. If this is done and the adit started, drifting could be continued probably through November.

The preparatory work was sufficient to keep the contract in force until its expiration date on January 25, 1975, unless the Government considers the Operator to be in default under the provision of Article 3 to perform the work diligently.

The Field Officer recommends, and I concur, that the contract be allowed to remain in force until January 25, 1975, and that further extension by amendment be contingent upon completion of the road before that date.

R. M. Smith
for H. K. Stager

Enclosure

The Alaskamin Company
P.O. Box 1387
San Carlos, California
94070

Sept. 30, 1974

Mr. H.K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

Re: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager:

This Summer considerable work was done at the Alaskamin property Bowser Creek, McGrath Quadrangle, Alaska, but the season proved to be one of frustration as far as progress in completing the road and tunnel on the property.

On May 3,4,5, and 6 B.L. Gabrielsen and others made a reconnaissance trip to Alaska and the property. Tenative arrangements were made to do the seasons work. The road was to be completed so that a compressor, etc. could be taken to the tunnel site and that work carried on, Mr. Risley of Anchorage was to take out a 100 ton sample of the ore for testing, on his own initiative, and to pay a 10 % royalty to Alaskamin, 5 % to go to the OME.

On May 20, 1974 a crew of three went in to establish camp and prepare for the seasons work. From that time until about Sept. 1, 1974 some crew was at the property.

Mr. Risley and associates were successfull in mining some ten tons of the higher grade silver lead zinc ore from its cliff outcropping. In a rather spectacular operation the ore was lifted by helicopter to the Post River airstrip and flown from there to Anchorage.

With regard to the road and tunnel work the results were not so good. The crew at the beginning of the summer completed the construction staking of the remaining section of road in preparation for the work. Unfortunately because of pipeline construction, resourses were unobtainable for the small amount of work to be completed by us. In either case our plans fell through, either the financier withdrew or the cat driver went to work somewhere else (cat drivers were really at a premium in Alaska this summer).

We now have an understanding with a very competent cat man, George Saltzman, who is familiar with the tractors and who built some 2 miles of the present road, to go to the property as soon as he can get free from his present job, near Whittier, and complete the road. As the snow is usually light in Bowser Creek, we would then proceed with the tunnel and long hole drilling.

It would be very much appreciated if you will keep our contract OME-6850 (silver) alive until at least Jan. 25, 1975 and if possible until Sept. 1975 so that we can complete this work. It is understood that the extension beyond January would be contingent upon our presenting a plan and evidence that we could indeed complete the program. Your kind consideration in this matter is most appreciated.

Sincerely yours,

B.L. Gabrielsen, Ph.D.
President, The Alaskamin Company

James M. Orr
Vice President, Exploration

RECEIVED
OCT 8 1974
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

The Alaskamin Company
P.O. Box 1387
San Carlos, California, 94070

May 20, 1974

Mr. H. K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California, 94025

Re: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager:

This is a brief report to keep you informed of our (Alaskamin's) progress.

On May 3, 4, 5 and 6, I made a reconnaissance trip to Alaska and the property. The weather is mild and the airstrip clear of snow and in good condition. In a few weeks the snow should be clear in the area of the adit. Today May 20, a crew of three is being moved in to establish camp and will begin preparations for the season's work.

We will keep you posted on all progress and/or problems.

Sincerely

B. L. Gabrielsen, Ph.D.
President, The Alaskamin Company

BLG:lee
cc: W. B. Murray

RECEIVED
MAY 22 1974
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

January 28, 1974

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 31 1974

INITIALS	CODE
	660
AR	

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed are the Government's copy and Branch of Financial Management's copy of Amendment No. 2 to the subject contract properly executed by the Operator. The other copies have been distributed in the usual manner.

R. M. Smith
for H. K. Stager

Enclosures

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

January 7, 1974

OFFICIAL COPY
O. M. E.
RECEIVED
JAN 10 1974
INITIALS | CODE
NR

The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

RE: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Gentlemen:

Enclosed are the original and three copies of proposed Amendment No. 2 (two pages) to the subject contract, signed for the Government.

If the proposed amendment is satisfactory to you, all four copies should be signed by an authorized representative of your company. The Government's copy, Branch of Financial Management's copy, and Field Office's copy should be returned to this office; the Operator's copy should be retained for your own use.

If any part of the proposed amendment does not have your approval, the original and all copies are to be returned to this office together with the proposed changes for consideration.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

RMSmith:mkh

GEOLOGICAL SURVEY
National Center, Mail Stop 920
12201 Sunrise Valley Drive
Reston, Virginia 22092

December 28, 1973

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed are the original and three copies of proposed Amendment No. 2 (two pages) to the subject contract, signed for the Government. An extra copy of the amendment is also enclosed for field use.

If the proposed amendment is satisfactory to you and the Operator, all four copies should be signed by an authorized representative of the Operator and distributed as usual.

If any part of the proposed amendment does not have your approval or that of the Operator, the original and all copies are to be returned to this office together with the proposed changes for consideration.

Gail P. Wiegand for

Harold Kirkemo

Enclosures

cc:
Director's Reading File
Mineral Resources Reading
OME Docket
OME Reading
Mt Kirkemo

HKirkemo/gpw

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

December 14, 1973

Memorandum

To: The File

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Justification for Amendment No. 2

The Operator has requested extending this contract for one year, and recessing work on the project from September 15, 1973, to June 1, 1974. The Field Officer, OME Region II, recommends approval of the request and I concur in the recommendation.

Work proceeded on the 5-mile access road during the summer of 1973 but was not completed because of various operating problems. However, work was begun on the tunnel with hand tools and portable equipment flown to the nearby airstrip and carried to the tunnel site. Next summer, the Operator should be able to complete the road and finish much of the drift allowed by the contract. The Operator has not mentioned the possibility of a fuel shortage delaying resumption of work. If this occurs, the recess period would have to be extended with another amendment to the contract.

Harold Kirkemo

Harold Kirkemo

cc:
DRF
MR Rdg.
OME Rdg.
Mr. Kirkemo

HKirkemo/gpw

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL COPY
O. M. E.
RECEIVED
DEC 13 1973

INITIALS	CODE
HK	HK

December 6, 1973

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed is a letter from The Alaskamin Company requesting a recess from September 15, 1973, to June 1, 1974, and an extension of one year from January 25, 1974, to January 25, 1975, to complete the work specified in the subject contract. We recommend the request be approved by amendment effective September 15, 1973.

R. M. Smith
for H. K. Stager

Enclosure

THE ALASKAMIN COMPANY

P.O. Box 1387
San Carlos, CA 94070

December 4, 1973

Mr. H.K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey,
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

RE: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager,

This letter is intended to be a formal request for a one (1) year extension of our O.M.E. loan #6850 (Silver). In addition we believe a recess from September 15, 1973 to June 1, 1974 would be reasonable as weather prohibits work during this period.

We realize that we have already had an extension and do appreciate that, however, to accomplish the total project we will need an extension for another field season. The heavy financial burden to the company falls during the first portion of the work and admittedly, we have had difficulty in raising sufficient capital to operate in an expidicious manner. In addition we have had some difficulty keeping the old equipment operating, hence, we only pioneered 3 miles of the 4 plus miles of road. We have every reason to believe that with care the equipment will finish the road and airfield, which will permit new equipment to be brought in and the O.M.E. work completed next season.

Your understanding and consideration will be most appreciated.

Sincerely,

B.L. Gabrielsen,
President, The Alaskamin Co.

cc: W.B. Murray
C. Wilton

RECEIVED
DEC - 5 1973
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

FORM 9-1648
1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

HIL 10/24/73

OPERATOR'S MONTHLY VOUCHER For Month of July, August & September

Docket No. OME- 6850 - Silver
Contract 14-08-0001 2305
Contract Amount $ 89,420.00
Gov't. Participation % $ 25 & 75%
$45,315.00

Operator's Name THE ALASKAMIN COMPANY
Address P.O. Box 1387, San Carlos Ca 94070

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Mobilizing	16%	$ 537.00	16%	$ 537.00	0 1) ~~0.16 move~~	0 1) ~~$ 537.00~~	0 1) ~~0.16~~	0 1) ~~$ 537.00~~
Drifting	12 ft.	1440.00	12 ft	1440.00	12 ft.	1440.00	12	1440.00
Supervision	50%	500.00	50%	500.00	1/2 mo.	500.00	1/2	500.00
Sample Sacks	20 ea	10.00	20 ea	10.00	20	10.00	20	10.00
Assaying	3 ea	30.00	3 ea	30.00	~~3 spl.~~	0 ~~30.00~~ 2)	0 ~~3~~ 2)	0 ~~30.00~~ 2)
Office	50%	50.00	50%	50.00	1/2 mo.	50.00	1/2	50.00
						2,000.00 3)		2,000.00 3)
TOTALS Stage II		$ 2567.00		$ 2567.00		$ ~~2567.00~~		$ ~~2567.00~~

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 19 1973 *Payee The Alaskamin Company

Per Chuck Wilton Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature R. M. Smith for OME Field Officer Date 10/18/73

1500.00 (63)14X0804
200.00 14X6875 (08)

Approved for: $1,300.00 NET TO PAYEE
(SUBJECT TO AUDIT)

Signature BM7

Date 8 NOV 1973 Vou. No. 04601A

(SEE OTHER SIDE)

294233

RECEIVED
U.S. GEOLOGICAL SURVEY

OCT 25 2 47 PM '73

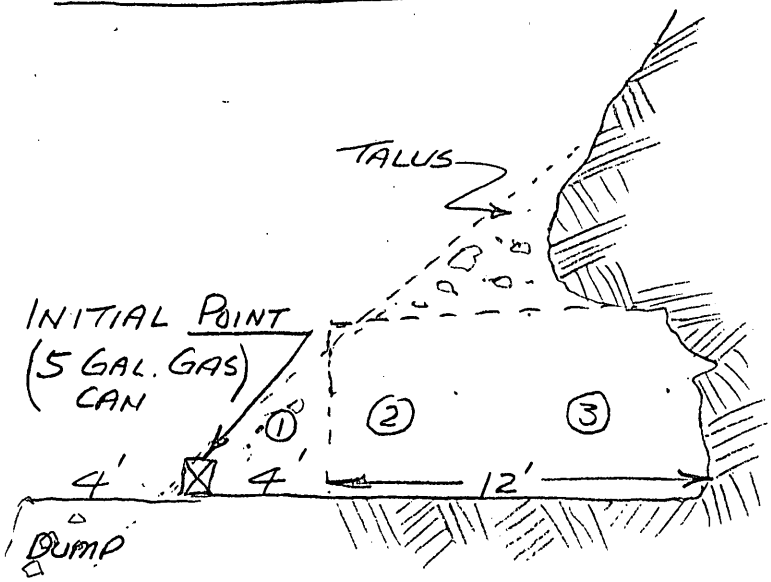
BUDGET & FINANCE

FOR OPERATOR'S USE

REMARKS

ALASKAMIN PROPERTY

ADIT ON ALPHA 31 CLAIM.



CROSS-SECTION - LOOKING EAST

SAMPLES TAKEN

① SULPHIDE FLOAT IN TALUS
② SULPHIDE FLOAT IN TALUS
③ FACE SAMPLE (5' WIDTH) 9+ FROM INITIAL POINT

FOR GOVERNMENT USE

REMARKS

1) Disallow claim for $537.00 pending receipt of narrative explanation of what equipment was mobilized as requested in letter of Sept. 26, 1973 to Operator from Chief, OME. May be reclaimed.

2) Disallow claim for $30.00 pending receipt of assay certificate as required by General Provisions of the contract. May be reclaimed.

3) Withhold $200.00 pending resumption of work next season.

H. Kerkamo
10/24/73.

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of two parts.

FIRST, the Operator's Monthly Voucher on Form 9-1648 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and three copies of each of the two sections of this report to the OME regional Field Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, FORM 9-1648

In the left hand column list the items for which costs were incurred during the month, and also the items for which costs were previously reported. For items previously reported, show only UNITS TO DATE and COSTS TO DATE. Items listed should conform to Exhibit A of the contract (Estimated Costs of the Work). The total of COSTS THIS MONTH followed by the Operator's signature constitutes a claim for payment of the Government's share of the costs. The Operator or his agent must sign the certification in the lower left corner.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as unemployment taxes, employee's liability insurance, and depreciation of Operator-owned equipment. The certification may be stated thus, "Certified True Copy", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Field Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

Attachment 1

The road from the Post River airstrip to the tunnel adit was restored in May, 1973 and built about 3.0 miles up Bowser Creek. Due to tractor breakdowns, difficult terrain, frost and other problems it probably will not be completed this season.

To save time for next season it was deemed desireable to start the adit using hand tools and labor this summer. An adit was started at the location agreed upon on Alpha 31 claim as shown on fig. 2. It was driven some 20 feet from the talus dump and some 16 feet from the starter marker, a 5 gallon can filled with sulphide ore partially buried at the east side of the entry cut. A total of 12 feet should be considered completed adit drift. A sketch is included showing the cross section at the portal.

Three samples were taken at the locations shown and the samples are being assayed by Resource Associates, Fairbanks. The assay results will be sent to you as soon as received.

The above work was supervised by James M. Orr, engineer/geologist

The following equipment was mobilized at the site of the adit:

1. Camp with two tents
2. Hand tools including; picks, shovels, crowbars, ect.
3. Dynamite
4. Gasoline powered jack hammer with steel and bits
5. Fuel

(The above equipment was flown to the Post River airstrip and backpacked from there to the site of the adit)

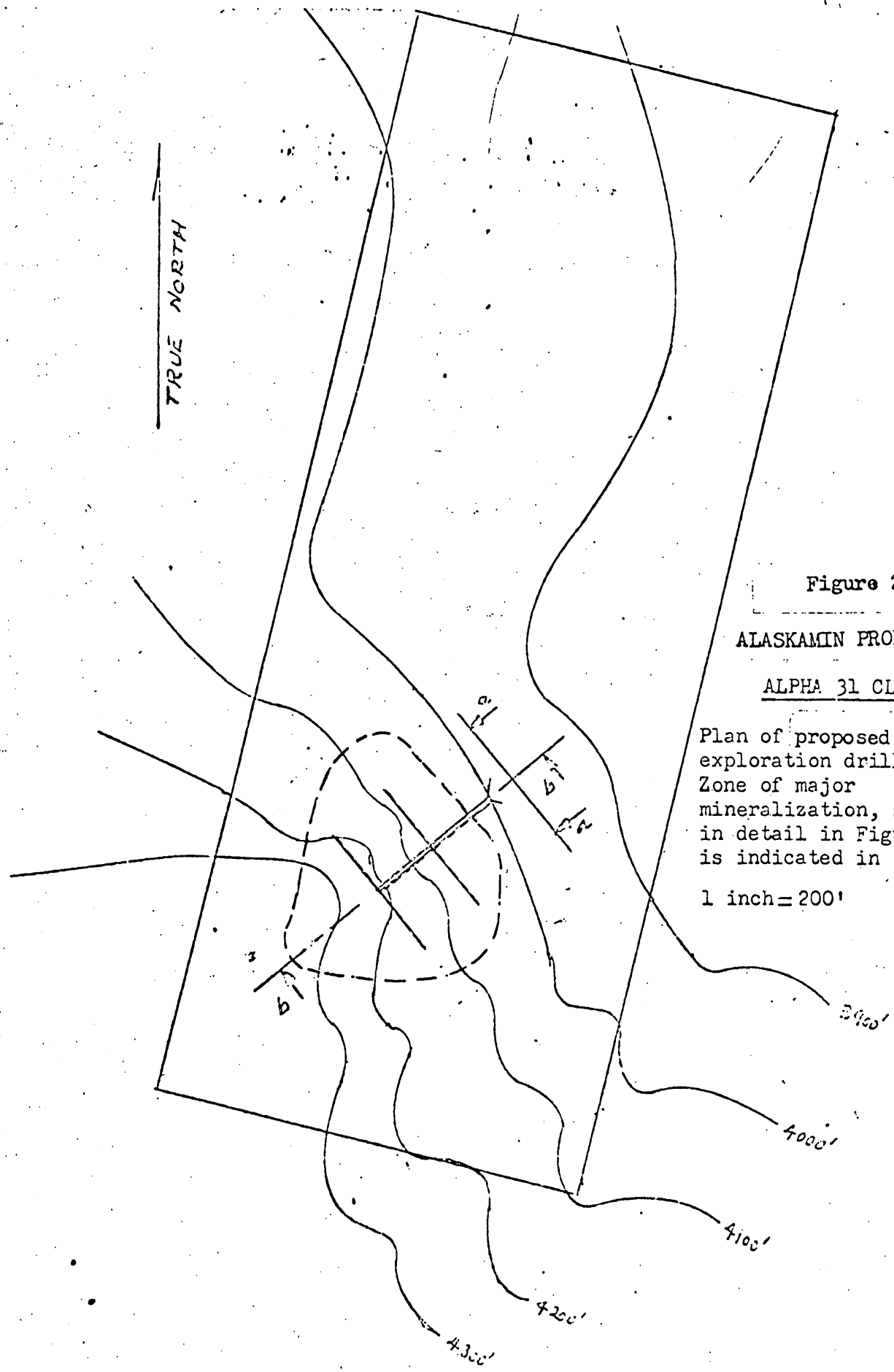


Figure 2.

ALASKAMIN PROPERTY

ALPHA 31 CLAIM

Plan of proposed adit and exploration drill holes. Zone of major mineralization, shown in detail in Figure M-4, is indicated in outline.

1 inch = 200'

II

UNITED STATES
DEPARTMENT OF THE INTERIOR
Geological Survey
Branch of Budget and Finance
Washington, D. C. 20242

OFFICIAL COPY
O. M. E.
RECEIVED
NOV 8 1973
INITIALS CODE
HK

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: The Alaskamin Company
P. O. Box 1387
San Carlos, Calif. 94070

Amount Claimed:	Differences (Explained Below)	Amount Approved
		$ 2,000.00
$ 2,567.00	$ 567.00	1,500.00 (Govt Part 75% 200.00 Withheld 1,300.00
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	Docket # 6850 Contract # 2305	July, Aug., and Sept. '73

EXPLANATION

Stage II

Fixed Unit Costs
Mobilization
Claimed $ 537.00
Allowed -0- $ 537.00
Claim disallowed pending receipt of narrative explanation of what equipment was mobilized as requested in letter of Sept. 28, 1973 to operator from OME Chief.

Assaying
Claimed 30.00
Allowed -0- 30.00
Claim disallowed pending receipt of assay certificate as required by general provisions of the contract.

567.00

$ 200.00 withheld pending resumption of work next season.

Any reclaim for items deducted must be included as a separate item on subsequent monthly voucher and supported by the original of this statement.

bmf

Branch of Budget and Finance

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

Mr. Chuck Wilton, Secretary-Treasurer
The Alaskamin Company
Post Office Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Dear Mr. Wilton:

In reviewing your voucher for the period July, August, September, 1973, we note that it is incomplete because of the omission of most of the number of units claimed, and the absence of an explanation in the Narrative Report for the partial claim for mobilization. Accordingly, we are returning three copies of the voucher and the report, and request that the missing information be added in the columns headed "Units", and in the narrative explain what equipment has been mobilized to date at the site of the adit. Please send the revised voucher to the Field Officer for OME Region II.

This is a Fixed Unit Cost contract and numbers of units and claimed costs must be posted by the Operator in the designated columns in order to complete a voucher.

Hereafter, sketches such as the one shown on the reverse side of the voucher form should be posted on individual sheets or included with the text of the narrative report.

We regret having to delay processing of this voucher, but, as submitted, the disbursing officer would not have approved it for payment.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's reading file
Mineral Resources
OME reading file

Enclosures Region II with 1 cy of voucher
Mr. Kirkemo
HKirkemo/cac 9/28/73

FORM 9-1648
MARCH 1968

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
OFFICE OF MINERALS EXPLORATION

OPERATOR'S MONTHLY VOUCHER

For Month of July, August & September

Docket No. OME- 6850- Silver
Contract 14-08-0001 2305
Contract Amount $ 89,420.00
Gov't. Participation % . $ 25 & 75 %
$45,315.00

Operator's Name THE ALASKAMIN COMPANY
Address P. O. Box 1387, San Carlos Ca. 94070

FOR OPERATOR'S USE					FOR GOVERNMENT USE ONLY			
COST ITEMS (FROM EXHIBIT A)	THIS MONTH		TO DATE		THIS MONTH		TO DATE	
	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS	UNITS	COSTS
Mobilizing		$ 537.00		$ 537.00		$		$
Drifting	12 ft.	1440.00		1440.00				
Supervision		500.00		500.00				
Sample Sacks	20 ea.	10.00		10.00				
Assaying		30.00		30.00				
Office		50.00		50.00				
TOTALS Stage II		$ 2567.00		$ 2567.00		$		$

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept. 19 1973 *Payee The Alaskamin Company

Per Chuck Wilton Title Secretary

*When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U. S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Approved as noted, subject to field examination and audit.

Signature _____ OME Field Officer _____ Date

Approved for: $ _____
(SUBJECT TO AUDIT)

Signature _____

Date _____ Vou. No. _____
(SEE OTHER SIDE)

United States Department of the Interior

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

COPY
O. M. E.
RECEIVED
AUG 6 1973
INITIALS CODE
HK HK
CC

August 2, 1973

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Interim Inspection

While flying over the area of the subject contract on the evening of July 31, 1973, an inspection of the project was made by Mr. Bruce L. Reed, Branch of Alaskan Geology.

Mr. Reed reports that although it was raining, and too dark for photography, at the time of his visit he was able to observe the progress of the access road from the camp to the proposed portal site. The road has reached the area of the fork in Bowser Creek, about half of the distance to the proposed portal site. Mr. Reed expects to be in the project area again sometime during September and will again fly over the Alaskamin camp and attempt to photograph the road and project site.

H. K. Stager

The Alaskamin Company
P.O. Box 1387
San Carlos, California
94070

July 15, 1973

OFFICIAL
COPY
O. M. E.
RECEIVED
JUL 25 1973
INITIALS | CODE
Cac | 120 m
HK | 130

Mr. H. K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

Re: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager:

This is a brief report to keep you informed of our (Alaskamin's) progress. Since June we have been working on the road, with at least another 1 1/2 miles complete as of this date (making a total of 3 miles). A little additional maintenance work has been done on the runway.

We will keep you posted on all progress and/or problems.

Sincerely yours,

B L Gabrielsen

B.L. Gabrielsen, Ph.D.
President, The Alaskamin Company

cc: W.E. Murray

RECEIVED
JUL 26 1973
U.S. GEOLOGICAL SURVEY

GABRIELSEN
677
SE, CAL.

The Alaskamin Company
P.O. Box 1387
San Carlos, California
94070

June 21, 1973

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 27 1973

INITIALS	CODE
CAC	120
HK	120

Mr. H. K. Steager
Field Officer, OME Region II
U.S. Department of the Interior
Geological Survey
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

Re: OME-6850 (Silver)
The Alaskamin Company
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager:

This is a brief report to keep you informed of our (Alaskamin's) progress. Since late May we have been working on the road, with at least 1 1/2 miles complete as of this date. Little other than maintenance work has been done on the runway, as the runway is currently adequate for our needs and access to the Adit area is more critical at this time.

We will keep you posted on all progress and/or problems.

Sincerely yours,

B L Gabrielsen

B.L. Gabrielsen, Ph.D.
President, The Alaskamin Company

cc: W.E. Murray

RECEIVED
JUN 25 1973
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

OFFICIAL
COPY
O. M. E.
JAN 17 1973
INITIALS CODE
Cal 1:20 PM
HK 1:20
Cal 1:20 PM

January 15, 1973

The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Gentlemen:

Enclosed is a corrected copy of the first page of Amendment No. 1 to your OME contract. In the first paragraph the phrase "and the Alaskamin Company, hereinafter called the 'Operator'," was inadvertently omitted from the original.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosure

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

RMSmith:mkh

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
1-10	Weeks	

January 10, 1973

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

The phrase "and The Alaskamin Company, hereinafter called the 'Operator'," was inadvertently omitted from the first paragraph of Amendment No. 1 to the subject contract. Enclosed are corrected copies of the first page of this amendment for your files and for the Operator, in which the phrase has been inserted.

Harold Kirkemo

Harold Kirkemo

Enclosure

cc: Director's reading file
Mineral Resources
OME reading file
Ann Gabor
Mr. Martin
R. Weeks
130

RWeeks:cac 1/10/73

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

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January 2, 1973

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed are the Government's copy and Branch of Financial Management's copy of Amendment No. 1 to the subject contract, executed by the Operator on December 26 and received in the Field Office on December 29, 1972. The other copies have been distributed in the usual manner.

H. K. Stager

Enclosures

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

December 20, 1972

The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

COPY
O. & E.
DEC 22 1972
INITIALS CODE

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Gentlemen:

Enclosed are the original and three copies of proposed Amendment No. 1 (two pages) to the subject contract, signed for the Government.

If the proposed amendment is satisfactory to you, all four copies should be signed by an authorized representative of your company. The Government's copy, Branch of Financial Management's copy, and the Field Office's copy should be returned to this office; the Operator's copy should be retained for your own use.

If any part of the proposed amendment does not have your approval, the original and all copies are to be returned to this office together with the proposed changes for consideration.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

HKStager:mkh

Enclosures

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/14/72	Weeks	120
		220

December 14, 1972

AIRMAIL

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed are the original and three copies of proposed Amendment No. 1 (two pages) to the subject contract, signed for the Government. An extra copy of the amendment is also enclosed for field use.

If the proposed amendment is satisfactory to you and the Operator, all four copies should be signed by an authorized representative of the Operator and distributed as usual.

If any part of the proposed amendment does not have your approval or that of the Operator, the original and all copies are to be returned to this office together with the proposed changes for consideration.

Harold Kirkemo

Harold Kirkemo

Enclosures

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
Mr. Weeks

GLAult/a 12-14-72

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
12/6/72	Weeks	120
12/6/72	Kitsemo	120
		220

December 6, 1972

Memorandum

To: The File

From: Robert A. Weeks, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Justification for Amendment No. 1

The contract was executed near the end of July, after the field season was well advanced. Due to the somewhat remote location of the property, it was not feasible to complete the work before winter weather would interfere. Work completed on the contract this season was limited to a route survey of the access road, since it would not have been economic to mobilize the heavy equipment for the short time available.

The Operator has requested, and the Field Officer recommends that work under the contract be recessed and the time for completion of work be extended. I concur.

Robert A. Weeks

Robert A. Weeks

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading file
Mr. Weeks

RAWeeks/gla 12/6/72

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

December 1, 1972

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

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Enclosed is a letter from the subject Operator requesting a one-year extension of time for completion of the work and a recess from September 1972 to June 1, 1973. I recommend that the extension of time and recess be authorized by an amendment to the contract.

H. K. Stager

Enclosure

THE ALASKAMIN COMPANY
108 WEST EVERGREEN BOULEVARD
VANCOUVER, WASHINGTON 98660
TELEPHONE 695-4421

Reply:
P.O. Box 1387
San Carlos, CA 94070

November 27, 1972

Mr. H. K. Steager
Field Officer, OME Region II
U. S. Department of the Interior
Geological Survey,
Office of Mineral Exploration
345 Middlefield Road
Menlo Park, California 94025

RE: OME-6850 (Silver)
The Alaskamin Co.
The Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Steager,

This letter is intended to be a formal request for a one (1) year extension of our O.M.E. loan #6850 (Silver). In addition we believe a recess from 15 September 1972 to 1 June 1973 would be reasonable as weather prohibits work during this period.

Your kind consideration will be most appreciated.

Sincerely yours,

Bernard L. Gabrielsen

B.L. Gabrielsen, Ph. D.
President, The Alaskamin Co.

cc: W. B. Murray
C. Wilton

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OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

United States Department of the Interior

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

August 23, 1972

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Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska
Contract 2305

Enclosed are the Government's copy and Budget and Finance's copy of the subject contract, signed by the Operator's representatives. The other copies have been properly distributed.

R. M. Scott
for H. K. Stager

Enclosures

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

August 17, 1972

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The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Gentlemen:

Enclosed are the original and three copies of a proposed contract to explore the subject property. The contract consists of MME Form 51 (5 pages), Annex 1 (1 page), Exhibit A (4 pages), Exhibit B (1 page), Exhibit C (1 page, signed by Orr Engineering and Chemical Co., and 1 page signed by the road contractor, to be attached to the Government's and Operator's copies of the contract) and two maps (Figures 1 and 2). All copies of the contract have been signed for the Government.

If the proposed contract is satisfactory to you, all four copies should be signed by an authorized representative of your company. The Government's copy, Budget and Finance's copy, and the Field Office's copy should be returned to this office; the Operator's copy should be retained for your own use.

Please note that the 8 percent interest accrues from the dates on which individual payments are made by the Government and like the principal is repayable from royalty on production.

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

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

RMSmith:mkh

Enclosures

THE ALASKAMIN COMPANY
108 WEST EVERGREEN BOULEVARD
VANCOUVER, WASHINGTON 98660
TELEPHONE 695-4421

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July 31, 1972

Robert A. Weeks
Acting Chief
Office of Minerals Exploration
United States Department of the Interior
Washington, D.C. 20242

Subject: OME 6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Weeks:

Pursuant to the request from the Solicitor's office as set forth in your letter of July 25, 1972, a copy of which was forwarded to us by the Field Officer, Region II, in connection with the above referred to subject, the undersigned Officer of The Alaskamin Company hereby certifies that The Alaskamin Company is the owner of the following recorded claims which are included in their application:

Alpha 23 Claim, Recorded April 19, 1968, Book 3, page 304.

Alpha 30 Claim, Recorded April 19, 1968, Book 3, page 311.

Alpha 37 Claim, Recorded April 19, 1968, Book 3, page 318.

Alpha 38 Claim, Recorded April 19, 1968, Book 3, page 319.

Very truly yours,

Bernard L. Gabrielsen

Bernard L. Gabrielsen,
President, The Alaskamin Company

BLG:kl

P.S. The Company also owns Alpha 31 Claim which was recorded on April 19, 1968, Book 3, page 312.

THE ALASKAMIN COMPANY
P.O. Box 1387
San Carlos, California 94070

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O. M. E.
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Mr. Harold Kirkemo
Chief, Office of Mineral Exploration
U. S. Department of the Interior
Geological Survey, Washington, DC 20242

Re: OME-6850

Dear Sir:

Attached is the financial statement for Mr. Chuck Wilton, Sect/treasurer of the Alaskamin Company. If any further information is required I will be happy to supply it.

Sincerly yours,

Chuck Wilton, Sect/Treasurer
Alaskamin Company

Fill all blanks, writing "no" or "none" where necessary to complete information.

TO **UNITED CALIFORNIA BANK**

FROM—NAME Chuck Wilton

FINANCIAL STATEMENT
INDIVIDUAL FORM

For the purpose of procuring and establishing credit from time to time with you for negotiable paper of the undersigned or any or either of them, or otherwise, the undersigned furnish the following as a true and accurate statement of the **FINANCIAL CONDITION OF THE UNDERSIGNED ON** June 30, 19 72. The undersigned agree to and will notify you immediately in writing of any material change in the financial condition of the undersigned and in the absence of such notice or of a new and full written statement, this may be considered as a continuing statement and substantially correct; and it is hereby expressly agreed that upon application for further credit, this statement shall have the same force and effect as if delivered as an original statement of the financial condition of the undersigned at the time such further credit is requested. In consideration of the granting of such credit the undersigned and each of them agree that if the undersigned or any or either of them, or any endorser or guarantor of the obligations of the undersigned or any or either of them at any time fail or become insolvent or commit an act of bankruptcy, or if any deposit account of the undersigned or any or either of them with you, or any other property of the undersigned or any or either of them held by you be attempted to be obtained or held by writ of execution, garnishment, attachment, or other legal process, or if any of the representations made below prove to be untrue or if the undersigned or any or either of them fail to notify you of any material change as above agreed, or if any such material change occurs, then and in either case all obligations of the undersigned or any or either of them held by you shall immediately become due and payable without demand or notice. The undersigned and each of them hereby give you a continuing lien upon the balance of any deposit account of the undersigned or any or either of them existing with you from time to time, and upon any other personal property of the undersigned or any or either of them in your possession, from time to time, to secure all obligations of the undersigned and each of them, either as borrower or guarantor, held by you, and further agree that all obligations or any part thereof, of the undersigned or any or either of them held by you, both matured and unmatured, may at any time be charged against the balance of any deposit account of the undersigned or any or either of them with you, without notice to the undersigned.

ASSETS		LIABILITIES	
CASH ON HAND AND IN BANK	$ 6300 —	NOTES PAYABLE TO _____ BANK	$ NONE
ACCOUNTS RECEIVABLE—CURRENT	3000 —	OTHER NOTES PAYABLE, DUE WITHIN ONE YEAR	
NOTES RECEIVABLE—CURRENT	—	OPEN ACCOUNTS, NOT DUE	
STOCKS AND BONDS LISTED ON EXCHANGES (DETAIL ON SCHEDULE)	35,000 —	OPEN ACCOUNTS, PAST DUE	
OTHER CURRENT ASSETS AND OF WHAT COMPOSED:		DUE TO RELATIVES	
		TRUST DEEDS, MORTGAGES OR OTHER LIENS ON REAL ESTATE, DUE WITHIN ONE YEAR	
		CHATTEL MORTGAGES (AUTOS, ETC.)	
		OTHER LIABILITIES: DUE WITHIN ONE YEAR	
		INCOME TAXES DUE AND/OR ACCRUED	NONE —
TOTAL CURRENT ASSETS		**TOTAL CURRENT LIABILITIES**	
NOTES SECURED BY FIRST TRUST DEEDS, MORTGAGES OR OTHER LIENS ON REAL ESTATE, ALL GOOD		TRUST DEEDS, MORTGAGES, OR OTHER LIENS ON REAL ESTATE, DUE AFTER ONE YEAR	57,700 —
NOTES SECURED BY SECOND TRUST DEEDS, MORTGAGES OR OTHER LIENS ON REAL ESTATE, ALL GOOD		NOTES AND BILLS PAYABLE, DUE AFTER ONE YEAR	—
ACCOUNTS AND NOTES RECEIVABLE, SLOW		OTHER LIABILITIES, AND OF WHAT COMPOSED:	—
DUE FROM RELATIVES			
STOCKS AND BONDS NOT LISTED ON EXCHANGE (DETAIL ON SCHEDULE)	106,000 —		
REAL ESTATE (DETAIL ON SCHEDULE)	~~45,300~~ —		
PRESENT CASH SURRENDER VALUE OF LIFE INSURANCE (REPORT AMOUNT BORROWED IN OTHER LIABILITIES)			
AUTOMOBILE: MAKE MERC YEAR 1970	6000 —		
Int Truck - Chevrolet - 1971	7000 —		
OTHER ASSETS AND OF WHAT COMPOSED:			
		TOTAL INDEBTEDNESS	57,700 —
		NET WORTH	157,900 —
TOTAL	$ 157,900 —	TOTAL	$ 100,200 —

CONTINGENT LIABILITIES

FOR ENDORSEMENTS OR GUARANTEES $ NONE FOR OTHER PURPOSES $ _____

GIVE DETAILS _____

ANNUAL INCOME AND EXPENSE FOR PERIOD FROM Jan 71 **TO** Jan 72

INCOME:		EXPENSE:	
SALARY	$ 21,000	INTEREST	$ —
RENTALS	$ 5000	TAXES AND ASSESSMENTS	$ 300 —
DIVIDENDS	$ —	UPKEEP ON REAL ESTATE	$ 1200 —
INTEREST	$ —	PAYMENTS UPON MORTGAGES, CONTRACTS, ETC.	$ 7000 —
OTHER INCOME _____	$ —	PERSONAL LIVING EXPENSE	$ 12,000
_____	$ _____	OTHER EXPENSE	$ 3000
TOTAL INCOME	$ 26,000	TOTAL EXPENSE	$ 23,500 —

INSURANCE

FIRE INSURANCE ON BUILDINGS $ 40,000 COMPANY Fireman's Fund

ACCIDENT INSURANCE $ _____ COMPANY _____ BENEFICIARY _____

HEALTH INSURANCE $ 25,000 COMPANY Mechanics BENEFICIARY Mabel Wilton

LIFE INSURANCE $ 12,000 COMPANY NSLS BENEFICIARY " "

(LIST CASH SURRENDER VALUE, IF ANY, UNDER ASSETS, AND LOAN PREDICATED THEREON, IF ANY, UNDER LIABILITIES)

AUTOMOBILES: FIRE & THEFT $ VALUE PUBLIC LIABILITY $ 300,000 COLLISION $ VALUE - 100 PROPERTY DAMAGE $ 50,000

CL-304 9-63L S (630-C)

Fill all blanks, writing "no" or "none" where necessary to complete information.

SCHEDULE OF STOCKS AND BONDS—LISTED

NUMBER OF SHARES OR PAR VALUE OF BONDS	NAME OF COMPANY	CLASS OF STOCK OR RATE AND MATURITY	PAR VALUE	MARKET VALUE	VALUE ON MY BOOKS
1500	URS Systems Corp	A		13000 -	4500 -
400	Jim Walter Corp	A		14000 -	12000 -
500	Amerada Hess	Warrants		8000 -	8000 -
		TOTAL		$35000	$ 24500

SCHEDULE OF STOCKS AND BONDS—UNLISTED

		TOTAL		$	$

SCHEDULE OF REAL ESTATE AND IMPROVEMENTS

LEGAL DESCRIPTION & ADDRESS IF VALUED AT OTHER THAN COST, GIVE DETAILS (ALSO GIVE BRIEF PHYSICAL DESCRIPTION)	VALUATION LAND	VALUATION IMPROVEMENTS	MORTGAGE OR LIEN AMOUNT	MORTGAGE OR LIEN MATURITY	MONTHLY PAYMENT	INT. RATE	MORTGAGEE
Residence - Redwood City	17,000 -	34,000 -	25700 -	20	254 -	6½	West Mort
Condimin Maui Hawaii	8,000 -	47,000	32,000	20	250 -	8¾	Bank-Hawaii
TOTAL	$25000 -	$81000 -	$57700 -		$		

IS ANY OF ABOVE REAL ESTATE SUBJECT TO DECLARATION OF HOMESTEAD? NO IF SO, HAS DECLARATION BEEN FILED AND ON WHAT PARCELS?

TITLE TO ABOVE REAL ESTATE STANDS ON COUNTY RECORDS IN NAME OF Chuck & Larue Wilton

IF IN MORE THAN ONE NAME, GIVE DETAILS AS TO VESTING OF TITLE OF EACH PARCEL Equal

BANKING CONNECTIONS:

NAMES OF BANKS IN WHICH YOU CARRY ACCOUNTS UCB Millbrae - Redwood - San Mateo

HAVE YOU PREVIOUSLY BORROWED FROM OTHER BANKS? Yes

WERE YOUR BORROWINGS UNSECURED, SECURED OR ENDORSED? Secured

PREVIOUS MAXIMUM AMOUNT BORROWED FROM BANKS $ 16,000 -

PAST AND PRESENT BUSINESS CONNECTIONS:

NAME OF EMPLOYERS OR ASSOCIATES	LOCATION	DATE OF CONNECTION	DATE CONNECTION TERMINATED
URS Research Co	San Mateo CA	1960	1971
Scientific Service	Redwood City, CA	1968	—

GENERAL INFORMATION:

AGE 42 ARE YOU MARRIED? YES IF SO, GIVE NAME OF SPOUSE Larue

ARE YOU LEASING ANY REAL OR PERSONAL PROPERTY? NO

IF SO, GIVE DETAILS AS TO TERMS OF LEASES

ARE ANY OF YOUR STOCKS, BONDS OR NOTES RECEIVABLE HELD IN JOINT TENANCY? YES IF SO, GIVE DETAILS 1000 Sh URS with wife

ARE ANY OF YOUR ASSETS PLEDGED, OR IN ANY OTHER MANNER UNAVAILABLE FOR PAYING DEBTS? NO

IF UNAVAILABLE OR PLEDGED, GIVE DETAILS NO

ARE THERE ANY SUITS, JUDGMENTS, EXECUTIONS OF ATTACHMENTS AGAINST YOU PENDING?

IF SO, GIVE DETAILS NO

HAVE YOU EVER FAILED IN BUSINESS OR COMPROMISED DEBTS WITH YOUR CREDITORS? NO

IF SO, GIVE DETAILS

DATE SIGNED July 7 - 1972

OCCUPATION Consultant

ADDRESS 1630 Cordilleras Rd - Redwood City, CA

TELEPHONE 369-9835 (415)

Chuck Wilton
(SIGNATURE)

(SIGNATURE)

MME Form 51
July 1965

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
U. S. Geological Survey

EXPLORATION CONTRACT
(Short Form)

Docket	Commodity	Contract No.	County	State
OME-6850	Silver		McGrath Quadrangle	Alaska

It is agreed _____ (Date), between the United States of America, acting through the Department of the Interior, U. S. Geological Survey, hereinafter called the "Government," and

The Alaskamin Company

_____,

whose mailing address is P. O. Box 1387, San Carlos, California 94070, hereinafter called the "Operator," as follows:

ARTICLE I. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before _____ (Date), and, subject to the provisions of Article 7 and Exhibit A, shall complete the work within 6 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 work is $89,420.00. The Government will contribute ~~50~~ 25 and 75/ percent of the total fixed unit costs of the work performed, not in excess of $45,315.00 in accordance with the provisions of Articles 4 and 5.

(c) Interest computation.--Simple interest at the rate of _____ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

(d) 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 rights in land.--(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 right 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:

See Annex I

(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 Lien Agreement 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, or 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 royalty on production and liens for the payment thereof. Two true 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, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws 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 production operations during the period that royalty is payable to the Government. 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. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. To the extent that amounts in excess of fixed unit costs or in excess of the estimated total cost may be necessary for the performance of the work, the Operator shall incur and pay such amounts 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) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; 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 three copies of a final report (in addition to the final monthly report). 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 royalty relates, such as two copies of smelter or concentrator settlement sheets and certified accounts of production and sale or other disposition of production.

(e) Compliance with requirements.--If the Government determines that 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 preparation or completion of same 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 mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retain his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certification of possible production--from the date of the contract until the lapse of the time within which the Government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, 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 (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" 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.

(2) 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.

(d) Unsold production.--If any production (ore, concentrate, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used 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, concentrate, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used 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) Lien for payment.--To secure the payment of royalty (see Article 6(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer 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 Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

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

ARTICLE 7. Termination of the Government's Obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to pay on account of units of work not then performed; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is 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:

(1) the Government shall be relieved of all obligation to pay on account of units of work not performed when the notice was given, and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

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 royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 11.

ARTICLE 8. Notices to be given by the Government may be delivered to the Operator or may be sent by certified mail addressed to the Operator at his 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. Nondiscrimination in Employment.--The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961, as amended and supplemented, are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 11. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, U. S. Geological Survey, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, U S. Geological Survey, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, U. S. Geological Survey, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, U. S. Geological Survey," as used herein includes his duly authorized representative.

ARTICLE 12. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The U. S. Geological Survey may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 13. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 14. Changes and added provisions.--

_____

_____

_____

_____

Executed in ~~quadruplicate~~ quadruplicate the day and year first above written.

THE ALASKAMIN COMPANY
(Operator)

By _____

Title _____

THE UNITED STATES OF AMERICA

By _____
Director, Geological Survey

I, _____, certify that I am the
(Name)

_____ secretary of the corporation named as Operator herein; that

_____, who signed this contract on behalf of the Operator, was then
(Name)

_____ of said corporation; that said contract was duly signed for
(Title)

and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

_____

[CORPORATE SEAL]

DRAFT 6/23/72
HKirkemo/cac

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY

OME-6850

ANNEX I

The land, including all rights, thereto, referred to in Article 2 of the contract consists of nine (9) unpatented lode mining claims in sections 8 and 9, T. 24 N., R. 24 W, Seward B & M, McGrath (A-2) Quadrangle, Alaska. These claims are shown on Figure 1, entitled "Claim map showing route of proposed access road from Alaskamin base camp and airstrip to Claim Alpha 31;" which is attached and made part hereof.

The claims are recorded in the official records of the Mt. McKinley Recording District at McGrath, Alaska, as follows:

Name	Book	Page
Alpha 23	3	304
" 24	3	305
" 25	3	306
" 30	3	311
" 31	3	312
" 32	3	313
" 37	3	318
" 38	3	319
" 39	3	320

The Operator is in possession of these claims by right of location.

EXPLORATION CONTRACT
THE ALASKAMIN COMPANY
OME-6850

EXHIBIT A

The purpose of the project is to explore by underground drifting, ~~and~~ crosscutting and long-hole drilling for silver-bearing ore bodies in and along strata, faults, and contact zones in Paleozoic sedimentary rocks and in igneous rocks.

General Provisions

Bulldozers no smaller than Caterpillar D-6 or equivalent units of any other make shall be used for constructing an access road and leveling a tunnel portal site.

All drifts and crosscuts shall be not less than 5 by 7 feet in cross section and shall be timbered or rock bolted as necessary. Mine timbers shall be standard 8 - by 8 - inch drift sets or equivalent sound timber. Rock bolts shall be not less than 6 feet long.

Mine rails shall be not less than 12 - pound size, air lines not less than 2 - inch diameter, water lines not less than 1 - inch diameter, and vent lines not less than 8 - inch diameter.

All significantly mineralized areas exposed in the underground exploratory workings shall be sampled. A representative bulk sample shall be collected from each round broken in mineralized rock. Channel samples shall be cut normal to the trends of the deposit at intervals not exceeding 5 feet. Significantly mineralized cuttings from the long-holes shall be sampled with no single sample representing more than 5 linear feet of hole.

All samples from whatever source shall be split as necessary and one split assayed for silver, lead, zinc and copper. The Operator shall

store one split of each sample in a suitable container properly identified as to source and location for Government inspection and possible use. With prior Government approval, the Operator may dispose of the stored samples.

True copies of assay certificates and maps and sketches showing the work completed, the location, width, and assay value of samples, and the geological formations and structures traversed by the workings shall be furnished monthly to the Government.

No exploratory work under this contract shall be performed within 100 feet of the outer boundaries of the property.

The Operator shall provide such supervision, labor, and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to Government approval.

The work shall be divided into two stages. The Operator shall complete the access road to the portal site and prepare the portal site on Stage I. All underground work including drifting, crosscutting, long-hole drilling, and sampling shall be done on Stage II.

Upon completion of the work ~~on Stages I and II~~, the Operator shall [~~repair~~ restore] to its approximate original condition any land surface where land use has been impaired by the project work. ~~temporary damages to the surface resulting from the project.~~

Description of the Work

Stage I

The Operator shall [~~complete~~ construct] an access road suitable for travel by 4-wheel drive vehicles from the Operator's Alpha 3d mining claim to the site of a tunnel portal on the Alpha 31 mining claim as shown on Figure 1. The approximate length of the road is 4.7 miles on a grade of about 10 percent.

A portal site shall be prepared on the Alpha 31 claim.

Stage II

From the portal site on Alpha 31 claim, the Operator shall drive a drift approximately S.50°W. approximately 200 feet.

From each of two sites approximately 100 feet apart within the drift, the Operator shall drill at right angles to the drift, no more than eight long-holes, each approximately 100 feet long.

The approximate locations of the drift and drill sites are shown in red on Figure 2 entitled "Alaskamin Property. Alpha 31 claim. Plan of proposed adit and exploration drill holes," which is attached and made part hereof.

Estimated Costs of the Work

Stage I

Fixed Unit Costs

Construct access road from base camp to portal site on Alpha 31 claim, and prepare portal site. One job.	$43,500.00	
Total Estimated Fixed Unit Costs, Stage I		$43,500.00
Government Participation at 25 percent		$10,875.00

Stage II

Fixed Unit Costs 1/ 2/

Mobilize, demobilize mining equipment at $3,255.00/move	6,510.00	
Drifting, including timbering or rock bolting 200 feet at $120.00/ft.	24,000.00	
Long-hole drilling, 1,400 feet at $5.00/ft.	7,000.00	

1 Supervisor-geologist-engineer,		
4 months at $1,000.00/month	4,000.00	
1 Sample splitter	40.00	
Sample sacks, canvas, 540 at $0.50 each	270.00	
Transportation of samples,		
3,000 lb. at published rates to destination	700.00	
e.g., $23.27/100 lb. to Salt Lake City, Utah.		
Assaying for silver, lead, zinc, copper,		
300 samples at $10.00/sample	3,000.00	
Office and accounting services, including		
supplies, telephone, printing, and		
postage, 4 months at $100.00/month	400.00	
Total Estimated Fixed Unit Costs, Stage II		$45,920.00
Government Participation at 75 percent		$34,440.00

S U M M A R Y

Total Estimated Cost of Stage I	$43,500.00
Government participation at 25 percent	$10,875.00
Total Estimated Cost of Stage II	$45,920.00
Government Participation at 75 percent	$34,440.00
Total Estimated Cost of Project	$89,420.00
Total Government Participation	$45,315.00

1/ Includes all costs whatsoever including equipment, supplies and materials, labor, taxes and insurance, depreciation, equipment rental and repair, ~~and man support.~~ *

2/ The Government retains no equity in any of the equipment or materials used.

Do not type → * Deleted by request of OME, July 11, 1972 as per conversation with Mr. Weeks.
for record only!

OFFICIAL FILE COPY

Date	Surname	Code
7-21	Weeks	
7/21	Theobald	
7/24	Ramp, Acting CG	

JUL 25 1972

Memorandum

To: Field Officer, Region II

From: Acting Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Enclosed are the original and three copies of a proposed contract to explore the subject property. The contract consists of MME Form 51 (5 pages), Annex 1 (1 page), Exhibit A (4 pages), Exhibit B (1 page), Exhibit C (1 page, signed by Orr Engineering and Chemical Co., and 1 page signed by the road contractor, to be attached to the Government's and Operator's copies of the contract) and two maps (Figures 1 and 2). All copies of the contract have been signed for the Government. You should insert the date for commencement of the work. An extra copy of the contract is enclosed for field use.

If the proposed contract is satisfactory to you and the Applicant, all four copies should be signed by an authorized representative of the Applicant. Thereafter, please distribute the copies as usual.

Please advise the Applicant that the 8 percent interest accrues from the dates on which individual payments are made by the Government and like the principal is repayable from royalty on production.

If any part of the proposed contract does not have your approval or that of the Applicant, the original and all copies should be returned to this office together with the proposed changes for consideration.

Before work begins on this project, we suggest that you review with the Operator the terms and provisions of the contract. Emphasize the importance of keeping suitable records and accounts, and documentary evidence for all costs claimed.

In accordance with a request from the Solicitor's office, please obtain a signed statement from the Operator acknowledging that they do currently own the Alpha 23, Alpha 30, Alpha 37, and Alpha 38 claims, that these claims are recorded(giving a listing of the book and page on which recorded) and that they do include these claims in their application.

Robert A. Weeks

Robert A. Weeks

Enclosure

cc: Director's reading file
Mineral Resources
OME reading file
Mr. Kirkemo

R.Weeks
130

RWeeks:cac 7/21/72

SCOTT ENTERPRISE
1502 Second Avenue
FAIRBANKS, ALASKA 99701
(907) 456-7813

21

Cal 120 NW
Bweeks
120

July 17, 1972

H. K. Stager
Field Officer
OME Region II
345 Middlefield Road
Menlo Park, California 94025

Dear Mr. Stager:

With reference to OME-6850 (Silver), The Alaskamin Company, Bowser Creek Property, McGrath Quadrangle, Alaska.

Enclosed are your Certification of Nonsegregated Facilities. Bernard Gabrielsen asked me to sign and send them to you.

Thanking you for your assistance in this matter, I am

Sincerely yours,

Scott Haskins

Scott Haskins

SH/ts

RECEIVED
JUL 19 1972
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

United States Department of the Interior

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

July 10, 1972

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 13 1972

INITIALS	CODE
Cec	120
Bluedorn	
	120

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Enclosed is a copy of a financial statement of Thomas G. Schultz, who delivered it in person today. Statements from the other principal officers have been mailed to OME, Washington, D. C.

Also enclosed are two copies of Exhibit C signed by Orr Engineering & Chemical Co. Additional copies from the road contractor will be forwarded to you when received.

R. M. Smith
for H. K. Stager

Enclosures

FINANCIAL STATEMENT

082001-SCHULTZ

WESTERN MORTGAGE CORPORATION
a division of UNION BANCORP

For the purpose of procuring a loan as set forth in the application attached hereto I hereby furnish the following as being to the best of my knowledge a true and correct statement of my financial condition on the date of said application.

ASSETS		LIABILITIES	
Cash in Hand or Escrow Crocker Bank (Name and address of bank)	$ 400.00	Accounts Payable	$
Cash in American Savings (Name and address of bank)	$ 2,000.00	Notes Payable	$
Cash in Alaskamin (Name and address of bank) Note Receivable-	$ 37,500.00	Installment Debts (as per schedule)	$ 144.00
Note Receivable	$ 91,000.00	Other Liabilities	$
Stocks & Bonds (as per schedule)	$ 290,386.00	Mortgages or Liens on Real Estate	$ 46,700.
Real Estate (as per schedule)	$ 122,500.00	Misc.	$
Life Insurance $ Cash Value $		TOTAL INDEBTEDNESS	$ 46,844.00
Other Assets Per. Furniture & Auto	$ 20,000.00	NET WORTH	$ 516,942.00
TOTAL ASSETS	$ 563,786.00		

SCHEDULE OF INSTALLMENT DEBTS

TO WHOM OWED	MONTHLY PAYMENT	AMOUNT DUE
Crocker Bank, Chico, Ca (Westwood Real Estate Loan)	144.00	16,000.00
* American Savings, San Jose, Ca (Columbine Ct. Property)	(313.00)	(28,700.00)
* This is the subject property being refinanced		

SCHEDULE OF REAL ESTATE OWNED

ADDRESS	VALUE	ANNUAL INCOME	MORTGAGE OR LIENS
Rt. 1 Box 539, Westwood, Ca	60,000.		16,000.
#19346 Columbine Ct., Saratoga, Ca	62,500.		28,700.

SCHEDULE OF STOCKS AND BONDS

NUMBER OF SHARES	NAME OF COMPANY	COMMON OR PREFERRED? ISSUE, INTEREST RATE, MATURITY OF BOND	MARKET VALUE
2100	Alaskamin Co.		21,000.
3706	Schultz,Snider & Steele Lumber Co.		269,386.

OTHER DETAILED INFORMATION REQUIRED

Salary $14,328.00 Wife's Income None Other Income 1. $ 800. 2. $ 5,800. 3. $ 15,000. Total $ 36,528.00

By Whom Employed San Jose State College How Long 1965

Nature of Business Education Position Held Associate Professor

Wife Employed by Whom Housewife How Long

Nature of Business Position Held

Explain Source of Other Income 1. Consultant URS Research Co., 2. Accident Analysis Assoc. 3. Note receivable-Schultz, Snyder & Steel Lumber Co

Number of Dependents 3, 10, 8 and 6 Husband's Age 37 Wife's Age 31

Previous Employment N/A How Long

Nature of Business Position Held Salary

Credit Reference 1 Dun and Bradstreet Inc.

Credit Reference 2 Harland D. Rowe C.P.A., Detroit, Michigan

I have had an account with Western Mortgage Corp. during the last 5 years—Yes ☐ No ☒

If "yes" give Property Address

Remarks:

125 N. 7th Street, San Jose, Ca 277-2499

Business Address of Borrower Phone

19346 Columbine Ct., Saratoga, Ca 257-077X Signed

Residence Address of Borrower Phone

503682 J.W.

NOT TO BE FILLED IN BY APPLICANT

Monthly Payment on Loan NOTE	$ 370.38
Monthly Payment on 2nd Loan	$ 0.00
Monthly Payment on Taxes	$ 99.62
Monthly Payment on Fire and Other Hazard Insurance	$ 0.00
Total Monthly Payment	$ 485.00
Weekly Income	$ 455.77

True Copy

RECEIVED
JUL 10 1972
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

June 26, 1972

Mr. Bernard L. Gabrielsen, President
The Alaskamin Company
P.O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Gabrielsen:

Your application for financial assistance in exploring the referenced property has been approved in principle.

Enclosed are two sets of two copies each of a certification that is now required before a contract is prepared. Both copies of one set should be signed by Mr. Orr and the other set by the contractor who is to construct the access road. Both copies of both sets should be returned to this office.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

Enclosures

cc: OME, Wash., D.C.
DRF
ACG RF
MP RF
Docket

RMSmith:mkh

WILLIAM B. MURRAY
ATTORNEY AND COUNSELLOR AT LAW
618 S. W. FIFTH AVENUE, SUITE 702
PORTLAND, OREGON 97204

AREA CODE 503
TELEPHONE 226-3819

June 20, 1972

OFFICIAL
COPY
O. M. E.
RECEIVED
JUN 28 1972

INITIALS	CODE
Csc	120
HK	120
	130

Harold Kirkemo
Chief, Office of
Minerals Exploration
United States Department of the Interior
Geological Survey
Washington, D.C. 20242

RE: OME-6850 (Silver)
The Alaskamin Company
Bosser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Kirkemo:

Bernard Gabrielsen asked me to forward to you a current Financial Statement for The Alaskamin Company. James M. Goodpaster, C.P.A., just completed his audit of the company's Financial Statements, a copy of which is enclosed.

The company intends to finance its share of the cost of the exploratory work through use of its own assets and funds contributed by the shareholders. We understand that the operator's share will be $43,000.00. James M. Orr, Mining Engineer and Geologist, plans on going to the property on the 1st of July and remain there until the middle of October. The Director's have planned to make available to the company the initial expense of $32,625.00 before July 1st so that the company may proceed with its plans and commence the work for this season.

Mr. Gabrielsen will forward to you, under separate cover, the individual financial statement's that you requested.

We thank you for your assistance and the help rendered in planning the work to be done on the property.

With kindest regards,

Very truly yours,

William B. Murray

WBM:kl
Enc.
cc: Bernard L. Gabrielsen

Ref. OME-6850
The Alasam in Co

Fill all blanks, writing "no" or "none" where necessary to complete information.

TO [redacted] OME

FROM—NAME Bernard L. Gabrielsen

FINANCIAL STATEMENT
INDIVIDUAL FORM

For the purpose of procuring and establishing credit from time to time with you for negotiable paper of the undersigned or any or either of them, or otherwise, the undersigned furnish the following as a true and accurate statement of the **FINANCIAL CONDITION OF THE UNDERSIGNED ON** 25 June, 1972. The undersigned agree to and will notify you immediately in writing of any material change in the financial condition of the undersigned and in the absence of such notice or of a new and full written statement, this may be considered as a continuing statement and substantially correct; and it is hereby expressly agreed that upon application for further credit, this statement shall have the same force and effect as if delivered as an original statement of the financial condition of the undersigned at the time such further credit is requested. In consideration of the granting of such credit the undersigned and each of them agree that if the undersigned or any or either of them, or any endorser or guarantor of the obligations of the undersigned or any or either of them at any time fail or become insolvent or commit an act of bankruptcy, or if any deposit account of the undersigned or any or either of them with you, or any other property of the undersigned or any or either of them held by you be attempted to be obtained or held by writ of execution, garnishment, attachment, or other legal process, or if any of the representations made below prove to be untrue or if the undersigned or any or either of them fail to notify you of any material change as above agreed, or if any such material change occurs, then and in either case all obligations of the undersigned or any or either of them held by you shall immediately become due and payable without demand or notice. The undersigned and each of them hereby give you a continuing lien upon the balance of any deposit account of the undersigned or any or either of them existing with you from time to time, and upon any other personal property of the undersigned or any or either of them in your possession, from time to time, to secure all obligations of the undersigned and each of them, either as borrower or guarantor, held by you, and further agree that all obligations or any part thereof, of the undersigned or any or either of them held by you, both matured and unmatured, may at any time be charged against the balance of any deposit account of the undersigned or any or either of them with you, without notice to the undersigned.

ASSETS		LIABILITIES	
Cash on hand and in bank	$ 1000 —	Notes payable to 1st Nat'l Bank	$ 1000 —
Accounts receivable—current	1000 —	Other notes payable, due within one year	
Notes receivable—current	~~7000~~	Open accounts, not due	1000 —
Stocks and bonds listed on exchanges (detail on schedule)	14,000 —	Open accounts, past due	
Other current assets and of what composed:		Due to relatives	
Home Equity	10,000 —	Trust deeds, mortgages or other liens on real estate, due within one year	Now ~~38000~~
Personal Property	5,000 —	Chattel mortgages (autos, etc.)	500
		Other liabilities: due within one year	
		Income taxes due and/or accrued	2500 —
TOTAL CURRENT ASSETS	38,000 —	**TOTAL CURRENT LIABILITIES**	~~40,500~~ —
Notes secured by first trust deeds, mortgages or other liens on real estate, all good		Trust deeds, mortgages, or other liens on real estate, due after one year	38,000 —
Notes secured by second trust deeds, mortgages or other liens on real estate, all good	7,000 —	Notes and bills payable, due after one year	
Accounts and notes receivable, slow		Other liabilities, and of what composed:	
Due from relatives			
Stocks and bonds not listed on exchange (detail on schedule)			
Real Estate (detail on schedule)			
Present cash surrender value of life insurance (report amount borrowed in other liabilities)			
Automobile: make Ford year 70	2500 —		
Plymouth 67	1000 —		
Other assets and of what composed:			
		Total indebtedness	40,500 —
		NET WORTH	
Total	$ 41,500 —	Total	$

CONTINGENT LIABILITIES

For endorsements or guarantees $ No For other purposes $

Give details

ANNUAL INCOME AND EXPENSE FOR PERIOD FROM TO

INCOME:		EXPENSE:	
Salary	$ 20,000	Interest	$ 2800
Rentals	$	Taxes and assessments	$ 4400
Dividends	$ 100	Upkeep on real estate	$ 2000
Interest	$ 100	Payments upon mortgages, contracts, etc.	$
Other income	$	Personal living expense	$ 9000
	$	Other expense	$
Total income	$ 20,200 ±	Total expense	$ 18,200

INSURANCE

Fire insurance on buildings $ 38,000 Company Travelers

Accident insurance $ 100,000 Company Cascade Beneficiary Wife/Trust

Health insurance $ Yes Company Cal Western Beneficiary — / ✓

Life insurance $ 100,000 Company Beneficiary — / ✓

(List cash surrender value, if any, under assets, and loan predicated thereon, if any, under liabilities)

Automobiles: Fire & theft $ ✓ Public liability $ 100,000 Collision $ 50,000 Property damage $ 50,000

CL-304 9-63L S (630-C)

Fill all blanks, writing "no" or "none" where necessary to complete information.

SCHEDULE OF STOCKS AND BONDS—LISTED

NUMBER OF SHARES OR PAR VALUE OF BONDS	NAME OF COMPANY	CLASS OF STOCK OR RATE AND MATURITY	PAR VALUE	MARKET VALUE	VALUE ON MY BOOKS
400	Diagnostic Data	Com.	1 —	30 —	12,000 —
300	URS System	Com	1 —	8	2,400 —
		TOTAL		$	$14,400 —

SCHEDULE OF STOCKS AND BONDS—UNLISTED

20,000	Alashamin Co.	Com	0 10	?	20,000 -
		TOTAL		$	$

SCHEDULE OF REAL ESTATE AND IMPROVEMENTS

LEGAL DESCRIPTION & ADDRESS IF VALUED AT OTHER THAN COST, GIVE DETAILS (ALSO GIVE BRIEF PHYSICAL DESCRIPTION)	VALUATION LAND	VALUATION IMPROVEMENTS	MORTGAGE OR LIEN AMOUNT	MORTGAGE OR LIEN MATURITY	MONTHLY PAYMENT	INT. RATE	MORTGAGEE
Home	10,000	38,000	38,000 —	30	400 —	7	Bank Americ
TOTAL	$10,000	$38,000	$38,000 —	30	$400	7	B of A

IS ANY OF ABOVE REAL ESTATE SUBJECT TO DECLARATION OF HOMESTEAD? Don't Know IF SO, HAS DECLARATION BEEN FILED AND ON WHAT PARCELS? No

TITLE TO ABOVE REAL ESTATE STANDS ON COUNTY RECORDS IN NAME OF Santa Clara

IF IN MORE THAN ONE NAME, GIVE DETAILS AS TO VESTING OF TITLE OF EACH PARCEL

BANKING CONNECTIONS:

NAMES OF BANKS IN WHICH YOU CARRY ACCOUNTS First Nat. San Jose, Wells Fargo

HAVE YOU PREVIOUSLY BORROWED FROM OTHER BANKS? N/A

WERE YOUR BORROWINGS UNSECURED, SECURED OR ENDORSED?

PREVIOUS MAXIMUM AMOUNT BORROWED FROM BANKS $

PAST AND PRESENT BUSINESS CONNECTIONS:

NAME OF EMPLOYERS OR ASSOCIATES	LOCATION	DATE OF CONNECTION	DATE CONNECTION TERMINATED
San Jose State Univ	San Jose Calif	Sept 65	Still Connec
URS Research Co	155 Bovet San Mateo	Jan '67	Still Connec.

GENERAL INFORMATION:

AGE 38 ARE YOU MARRIED? yes IF SO, GIVE NAME OF SPOUSE Shirley A.

ARE YOU LEASING ANY REAL OR PERSONAL PROPERTY? No

IF SO, GIVE DETAILS AS TO TERMS OF LEASES

ARE ANY OF YOUR STOCKS, BONDS OR NOTES RECEIVABLE HELD IN JOINT TENANCY? yes IF SO, GIVE DETAILS all

ARE ANY OF YOUR ASSETS PLEDGED, OR IN ANY OTHER MANNER UNAVAILABLE FOR PAYING DEBTS? No

IF UNAVAILABLE OR PLEDGED, GIVE DETAILS

ARE THERE ANY SUITS, JUDGMENTS, EXECUTIONS OF ATTACHMENTS AGAINST YOU PENDING? No

IF SO, GIVE DETAILS

HAVE YOU EVER FAILED IN BUSINESS OR COMPROMISED DEBTS WITH YOUR CREDITORS? No

IF SO, GIVE DETAILS

DATE SIGNED 25 June 72

OCCUPATION Civil Engr. / Prof.

ADDRESS 5858 Pilar Ct. San Jose

TELEPHONE 408-997-3116

Bernard L Gabriel (SIGNATURE)

(SIGNATURE)

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/9/72		120
		220
		120M

June 9, 1972

AIRMAIL

Mr. B. L. Gabrielsen
President
The Alaskamin Company
P. O. Box 1387
San Carlos, California 94070

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Gabrielsen:

Because the original application dated May 20, 1971, for financial assistance to explore the Bowser Creek property has been revised, new officers elected, and company offices relocated several times in the past year, we would appreciate receiving a list of the names, titles, and addresses of the new officers, and current financial statements for The Alaskamin Company and for each of the principal officers. Please submit these at your earliest convenience.

The original application stated that The Alaskamin Company would finance its share of the cost of the exploration work through use of its own assets and funds contributed by stockholders. We did not request financial statements last year because additional work on the property by the company was necessary to locate exploration targets. We now need assurance as evidenced by the requested financial statements that funds are sufficient for the applicant's share of the total cost of the project. Preliminary estimates of costs of the revised project suggest that the operator's share may total between $43,000.00 and $44,000.00, and the Government's share about $42,300.00.

Your initial expense would be about $32,625.00 in the first month or so for construction of the access road because the operator would bear 75 percent of the total estimated cost ($43,500.00) for this work. The balance of approved project costs would be shared 75 percent by the Government and 25 percent by the operator.

The Government pays its share of the costs on an OME contract at the end of each month after a voucher for the preceding month's work has been submitted and approved. As it usually requires two to three weeks to process a voucher, an operator should have sufficient funds on hand to meet all costs for the first four to six weeks and thereafter enough cash on hand to pay his share each month.

We are considering the revised project proposal and, if it is approved, perhaps a contract could be offered in fiscal year 1973. However, the same budget constraints are in effect for FY 1973, beginning July 1, 1972, as were mentioned previously, so the assistance OME can offer will continue to be modest and restricted to only a few of the more promising proposals.

We enclose for your information and files a copy of Exhibit A, entitled "Notice to Prospective Federally Assisted Construction Contracts," which describes certain recent additional regulations and requirements in the event of a contract.

This letter should not be construed as a commitment by the Government to grant an exploration contract.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo
Chief, Office of
Minerals Exploration

Enclosure

Copy to: Dr. Thomas G. Schultz
Executive Vice President
The Alaskamin Company
19348 Columbine Court
Saratoga, California 95070

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
OME Region II
Mr. Kirkemo

HKirkemo/gla 6-9-72

United States Department of the Interior

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

May 22, 1972

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 24 1972

INITIALS	CODE
Cac	120
gla	130
	120

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Enclosed is an Application Report recommending a contract.

Also enclosed are the originals of a quotation from Interior Airways on air freight for mobilization, a bid from Scott Enterprise for road construction, and two bids for the proposed adit and long hole drilling. The Scott Enterprise bid does not include a mobilization charge since the bulldozers are still on the property where they were used to build the airstrip. Of the two bids for underground work, only that of Orr Engineering is firm. The Jones bid is for labor (inexperienced?) only and omits the larger costs of man support, transportation, and equipment. Other bids for this work were solicited but have not been received.

New bank letters requesting a loan of $42,585.00 have been sent but replies have not yet been received.

Also enclosed are five extra copies of Figures 1 and 2 for your use if a contract is granted.

R M Smith
for H. K. Stager

Enclosures

INTERIOR AIRWAYS, Inc.
Box 3029, Fairbanks, Alaska 99701 • 907-452-5171
TELEX-INTERIOR 090-35454

May 3, 1972

THE ALASKAMIN COMPANY
P.O. Box 1387
San carlos, California 94070

Dear Mr. B.L. Gabrielsen,

Thank you for your letter of April 21, concerning quotes on hercules flights to your Post River Site.

The round trip price from Fairbanks is $3255.80 with a payload of 23 ton. Round trip price from Anchorage is $1784.00 with a payload also of 23 ton.

Flights from Anchorage are subject to an additional $2338.00 positioning charge for each series of consecutive trips. Naturelly, if the aircraft is already working in the Anchorage area, No positioning cost will be charged.

A cost of 19.4 cents per ton mile with the Hercules makes it the most economical means of air transporting frieght in Alaska.

We at Interior Airways, sincerely hope we can be of service to you in your minning operation this summer.

Yours truly,

Gary White

Gary White
Traffic Manager
Interior Airways

SCOTT ENTERPRISE
1502 Second Avenue
FAIRBANKS, ALASKA 99701
(907) 456-7813

April 3, 1972

The Alaskamin Company
P. O. Box 1387
San Carlos, Calif. 94070

Ref.: Access Road Bowser Creek Claims

Dear Sirs:

This bid is made in the name of Scott Enterprise. The bid is to build an access road from the Alaskamin base camp to the base of Alpha No. 31 claim. The road will be an access road capable of travel by a 4 x 4 type equipment or cat with which to be able to establish a base camp at the end of the road. This road is to be approximately 4.7 miles in length.

I hereby bid the sum of $43,500.00 to build this road -- time of starting July 10, 1972 to the end of September 1972.

Sincerely,

Scott Haskins

Scott Haskins

SH: ha

STITUTE OF ARCTIC ENVIRONMENTAL ENGINEERING

F Wayne Jones
823 Bartlett Hall
University of Alaska
Fairbanks, Ak. 99701

UNIVERSITY OF ALASKA
COLLEGE, ALASKA 99701

24 April 1972

Mr James M Orr
5253 Harbord Drive
Oakland, Calif.,
94618

Dear Mr Orr:

Your letter and data received over the weekend, so I will answer right away.

I dont know whether or not you know it, but employment up here this year is pretty poor. Not much of anything going on.
I am in no position to bid on the Alaskamin project furnishing equipment. I can furnish labor for the job and have two good students that need the work, I would intend to act as working foreman.

B I D

FOR LABOR REQUIRED(1 FOREMAN,& 2 LABORERS IN CONDUCTING THE WORK ENTAILED IN MAKING A 4.7 MILE ACCESS ROAD, A 200 LINEAL FEET 6-0 x 7-0 FOOT ADIT, AND 1400 LINEAL FEET OF LONGHOLE DRILLING, THE SUM OF $19,747.00 FOR PERIOD OF 15 MAY 1972 TO AND INCLUDING 31 AUGUST 1972 BUT NOT EXCEEDING 1 SEPTEMBER L972.
Board & room and transportation to the site to be furnished by Alaskamin Co., for the entire contract period. All equipment needed to pursue the work shall be furnished by Alaskamin Co. at no cost to the undersigned. Further, notification as to the

UNIVERSITY OF ALASKA

acceptance of this bid shall be made in writing to the undersigned no later than 5 May 1972. F ailure to notify by the above time will negate the bid. Further, in order for me to retain the services of two laborers, I must be quite sure that funds are available immediately, therefore must ask that a minimum of $ 10,000.00 be placed in escrow at the Alaska National Bank of Fairbanks, University Branch, for the payment of labor until contract end.

E n d of B i d

F. Wayne Jones

F. Wayne Jones

823 Bartlett,U Of A.

Fairbanks, Ak.,99701

May 15, 1972

The Alaskamin Company
618 S. W. Fifth Avenue
Portland, Oregon 97204

After examining proposal for work at Bowser on the Alaskamin property, we wish to submit the following prices for the work.

1.	Mobilization and Demobilization	$2,830.00
2.	To drive adit (tunnel) 5' x 7' 200 feet @ $120.00	24,000.00
3.	To drill 1,400 feet of long hole @ 5.00	7,000.00
		$33,830.00

To include all costs such as labor, payroll taxes, operating materials and supplies, depreciation of operating equipment, equipment rental, equipment repair, and man support.

It is expected that work can be done in approximately ninety (90) working days after award of contract, but this contract is subject to usual releases for slides, floods, and other acts of God.

Respectfully submitted,

James Orr (Pres.)

Orr Engineering & Chemical Co.
P. O. Box 1048
Portland, Oregon

UNITED STATES

DEPARTMENT OF THE INTERIOR

ROGERS C.B. MORTON, SECRETARY

GEOLOGICAL SURVEY

OFFICE OF MINERALS EXPLORATION

REPORT OF EXAMINATION

REGION II

APPLICATION REPORT

OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

By

R. M. Smith
Geologist
OME, Region II

May 22, 1972

CATION REPT

INTRODUCTION

The Alaskamin Company, Charles K. Shanks, President, 618 S.W. 5th Avenue, Portland, Oregon 97204, applied to the Office of Minerals Exploration, Docket OME-6850, for financial assistance in a $126,572.65 program to explore two localities and prospect four others on its Bowser Creek Property in the McGrath (A-2) quadrangle, Alaska.

The proposed work and the limitations of the OME budget were discussed with the Applicant's representatives, and a revised $80,187 program to explore the most favorable locality was submitted to OME by newly elected officers of the company whose present (1972) address is:

The Alaskamin Company
B. L. Gabrielsen, President
P.O. Box 677
San Jose, California 95106

A field examination was not necessary since the most favorable locality (the S-1 zone) was mapped and reported by Reed, B. L., and Elliott, R. L., 1968, Lead, zinc, and silver deposits at Bowser Creek, McGrath A-2 quadrangle, Alaska; U.S. Geol. Survey Circ. 559, 17 p. See also Reed, B. L., and Elliott, R. L., 1968, Geochemical anomalies and metalliferous deposits between Windy Fork and Post River, southern Alaska Range; U.S. Geol. Survey Circ. 569, 22 p. The revised proposal was discussed with Mr. Reed who confirms that the work proposed in the S-1 zone would explore the best showings on the property, that the type of work proposed is a sensible way to explore the deposit, that the deposit should be explored, and that he concurs in the following recommendation.

CONCLUSIONS AND RECOMMENDATION

In the S-1 zone the ore control structures are not discernible owing to scanty exposures and complex faulting. Hence the size, shape, and continuity

of possible ore bodies cannot be inferred. Sampling and visual inspection, however, indicate that silver-lead-zinc-copper mineralization is pervasive throughout an area at least 300 feet across. It is reasonable to infer that replacement bodies of commercial size and grade interspersed with narrow, discontinuous, high-grade veins may be found by the proposed exploration.

I recommend, therefore, that the Government enter into a contract with The Alaskamin Company to participate in the costs of an $85,780 program to explore the S-1 zone by driving an adit, drilling from the adit, and evaluating the findings.

LOCATION, ACCESS, FACILITIES

The Bowser Creek Property, consisting of 417 lode claims, covers an area extending 2 miles south, 5 miles north, and 3 miles along Bowser Creek, a southeast-flowing tributary of Post River which flows north into the South Fork of Kuskokwim River in south-central Alaska. Altitudes range from 2,000 feet at the mine camp and airstrip on the Post River to 6,010 near three small glaciers above the headwaters of Bowser Creek. The topography is shown on the USGS map of the McGrath (A-2) quadrangle. Bowser Creek crosses sec. 9, T. 24 N., R. 24 W.

Access to the campsite is by air 80 miles southeast of McGrath, 145 miles northeast of Anchorage, and 270 miles southwest of Fairbanks. Equipment and supplies are available at McGrath and Fairbanks. Assay services are available in San Francisco, Salt Lake City, and possibly in Anchorage. A 4.7-mile access road would be needed from the campsite to the site of the proposed exploration.

If production becomes possible, a mill would be required, and concentrates would have to be shipped by air. The airstrip at the campsite is 5,000 feet

long. Another 5,000-foot runway is maintained at Farewell by the Federal Aviation Administration. A road from the property about 25 miles to Farewell is feasible along the Post River which has a gradient of about 40 feet per mile.

PROPERTY

History and Production

The mineralized showings were discovered in 1967 by Bruce L. Reed and Raymond L. Elliott of the USGS during a field investigation of the southern Alaska Range. Alaskamin, after staking the area, formed a joint venture with the Homestake Mineral Development, Granby Mining, and Home Oil Companies of Canada and trenched the better showings in 1968. The joint venture was terminated and Alaskamin has subsequently built a camp and airstrip. There has been no production from the property.

Ownership

The land, including all rights thereto, included in the revised project consists of nine unpatented lode mining claims in secs. 8 and 9, T. 24 N., R. 24 W., Seward B&M, Alaska. The claims are shown outlined in green on Figure 1, entitled "Claim map showing route of proposed access road from Alaskamin base camp and airstrip to claim Alpha 31." They are recorded in the official records of the Mt. McKinley Recording District at McGrath, Alaska, as follows:

Claim Name	Book	Page
Alpha 23	3	304
24	3	305
25	3	306
30	3	311
31	3	312
32	3	313
37	3	318
38	3	319
39	3	320

The Applicant is the owner of the claims by right of location.

GEOLOGY

Geologic Setting

The oldest rock type that crops out in the Bowser Creek area is dark-gray argillite of Ordovician age or older. It is overlain successively by gray limestone as much as a mile thick and siltstone with interbedded shale and gray limestone that may total several miles in thickness. The sedimentary rocks are tightly folded along axes that trend a little east of north, complexly faulted, and intruded by two breccia pipes about a mile across, by a plug of granodiorite about 800 feet across, and by dikes 1 to 50 feet thick of white felsite and a few of an altered mafic rock.

Ore Deposits

The ore bodies are veins in limestone and in igneous breccia, and replacement deposits in limestone near the veins. The size, shape, and continuity of the ore bodies cannot be inferred owing to the complexity of the faulting and scarcity of exposures. Mapping and sampling indicate

seven mineralized areas, the best of which is the S-1 area on the Alpha 31 claim where the mineralized area is about 300 feet across. Samples from trenches and outcrops throughout the S-1 area indicate pervasive mineralization.

Sampling

The S-1 area has been sampled extensively by a method that might be called a systematic grab sampling. Chips were taken at 1-foot intervals across widths (or lengths?) of 5 to 30 feet. A few specimens were also assayed; the best contained 310 oz. silver per ton. Four of 24 or more grab samples assayed 24 to 35 oz. silver per ton, the others less than 7.5 oz. All the samples contained lead (tr. to 16%), zinc (tr. to 14%), and copper (0.03 to 1.25%).

Since the surface exposures cannot be correlated, neither can the assays, and averages would be meaningless. The assays indicate commercial grade in a few places across as much as 20 feet, and they confirm the visual impression of pervasive mineralization for at least 300 feet in length and width.

It is reasonable to infer ore bodies of commercial size and grade within the S-1 area. Considering the six other mineralized areas along the general NE. trend of the formations, the S-1 zone might continue beyond 300 feet. To assess the potential of the deposit, continuous systematic samples across its trend are needed.

EXPLORATION

The purpose of the Applicant's revised proposal is to explore by drifting from a portal site to be prepared on the land surface and by long hole drilling

from the drift for silver-bearing ore bodies in and along strata, faults, and contact zones in Paleozoic sedimentary rocks and in igneous rocks below mineralized surface showings in the S-1 zone on the Alpha 31 claim.

Long hole drilling can be done with equipment that will be mobilized for drifting at a fraction of the cost of core drilling, and will adequately sample the areas drilled. If the assays indicate an ore body, the project would be certified. Long hole drilling may not completely explore the mineralized zone, however, because ore bodies may not be completely delineated. If this project is successful, the property might qualify automatically for OME assistance in another project to determine the extent of the ore, such as core drilling and/or crosscutting, drifting, raising, or winzing.

Description of the Proposed Work

Bulldoze an access road from the campsite approximately 4.7 miles on about a 10-percent grade to a portal site on the Alpha 31 claim, and level the site.

From the portal site drive a drift-adit approximately S. 50 W. for 200 feet.

From each of two sites approximately 100 feet apart within the drift, drill at right angles to the drift a fan of not more than eight holes, each hole approximately 100 feet long.

Sample and assay mineralized areas in the drift, and collect, sample, and assay all drill cuttings as specified under General Provisions.

The approximate locations of the drift and drill sites are shown in red on Figure 2 entitled "Alaskamin property, Alpha 31 claim."

It is estimated that the time required to complete the work will be 1 month for the access road and portal site and 3 months for the drifting and drilling. A total of 6 months should be allowed. Work could start by about June 1, and should start no later than July 1.

ESTIMATED COSTS OF PROJECT

Actual Costs

Category (1) Independent Contracts

(Bid from Orr Engineering & Chemical Co.)

Mobilization and demobilization of mining equipment, $2,915/move

1 flight, cargo plane, Fairbanks to Alaskamin airstrip and return	$ 2,830.00	
Drifting[1]		
200 feet at $120.00/ft.	24,000.00	
Long hole drilling[1]		
1,400 feet at $5.00/ft.	7,000.00	
Total - Category (1)		$33,830.00

Category (2) Personal Services

None except:

1 - Supervisor-geologist-engineer 4 months at $1,000/mo.		4,000.00

Category (3) Operating Materials and Supplies

None except:

1 - Jones sample splitter	$ 40.00	
600 sample bags, canvas, at $0.50/bag	300.00	
600 sample tags	10.00	
Total - Category (3)		350.00

---

[1] Includes all costs whatsoever that would otherwise be allowable under Categories (2) through (7).

Category (7) Miscellaneous

None except:

Transportation of samples		
3,000 lb. at $23.27/C (rounded)	$ 700.00	
(Published rates, Anchorage-Salt Lake City)		
300 samples assayed for Ag, Pb, Zn, Cu at $10.00/sample	3,000.00	
Office expense		
4 months at $100.00/mo.	400.00	
Total - Category (7)		$ 4,100.00
Total Actual Costs		$42,280.00

Fixed Unit Costs

Constructing access road and leveling portal site[/]		
4.7 miles at $9,255/mile (rounded)	$43,500.00	
(Bid from Scott Enterprise)		
Total Fixed Unit Costs		$43,500.00
Suggested *Government participation at 25 percent		$10,875.00

*Government participation in the completed job at a third of the authorized rate is suggested in order to protect the Government's interest in case of noncompletion and/or errors of estimation, and to enable OME to furnish its share from its limited budget.

[/] Includes all costs whatsoever. The unit of work is the completed job.

SUMMARY

Total Actual Costs	$42,280.00
Government participation at 75 percent	$31,710.00
Total Fixed Unit Costs	$43,500.00
Government participation at 25 percent	$10,875.00
Total estimated cost of project	$85,780.00
Total Government participation	$42,585.00

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6850
(Silver)

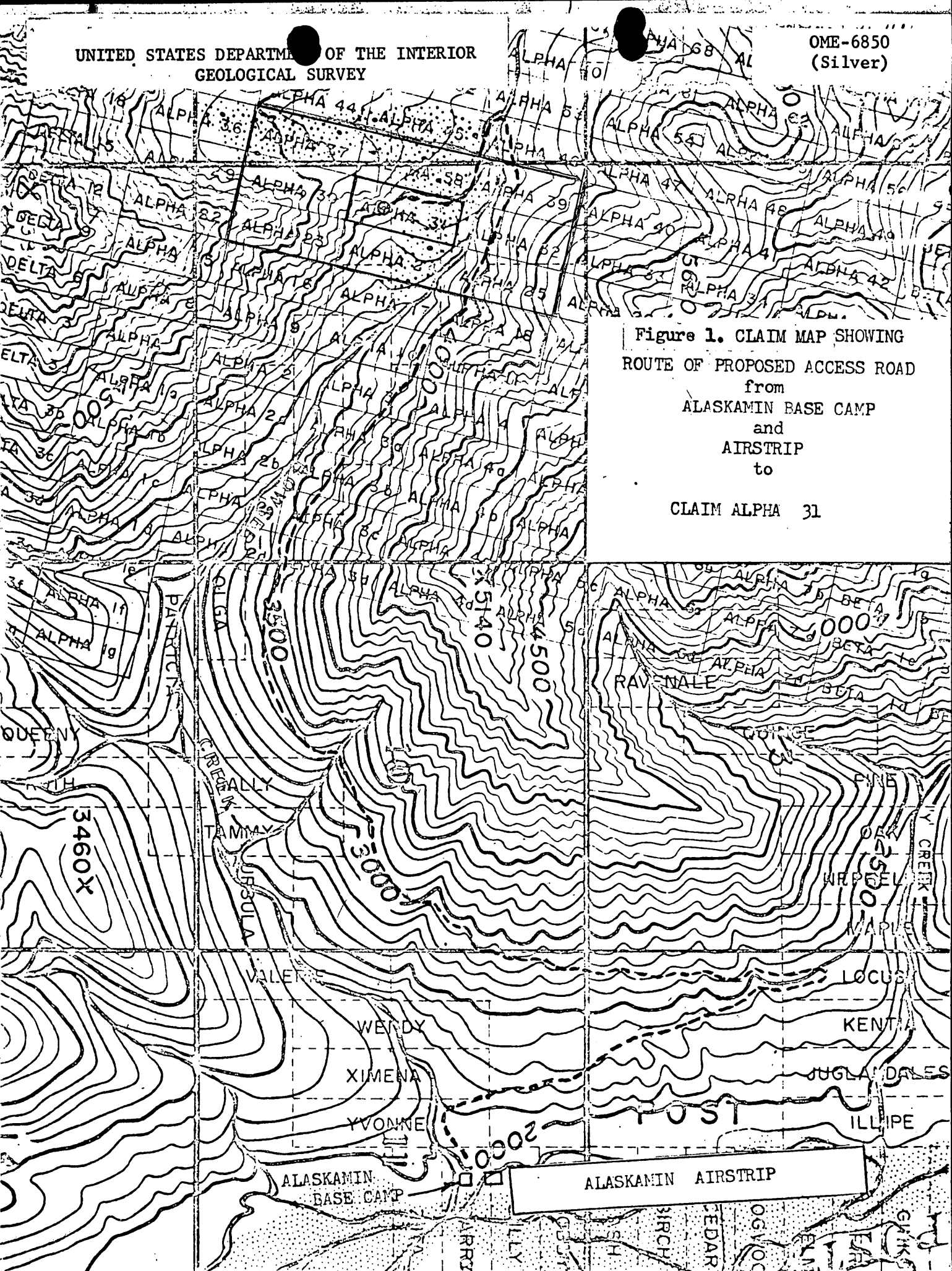

Figure 1. CLAIM MAP SHOWING
ROUTE OF PROPOSED ACCESS ROAD
from
ALASKAMIN BASE CAMP
and
AIRSTRIP
to
CLAIM ALPHA 31

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

OME-6850
(Silver)

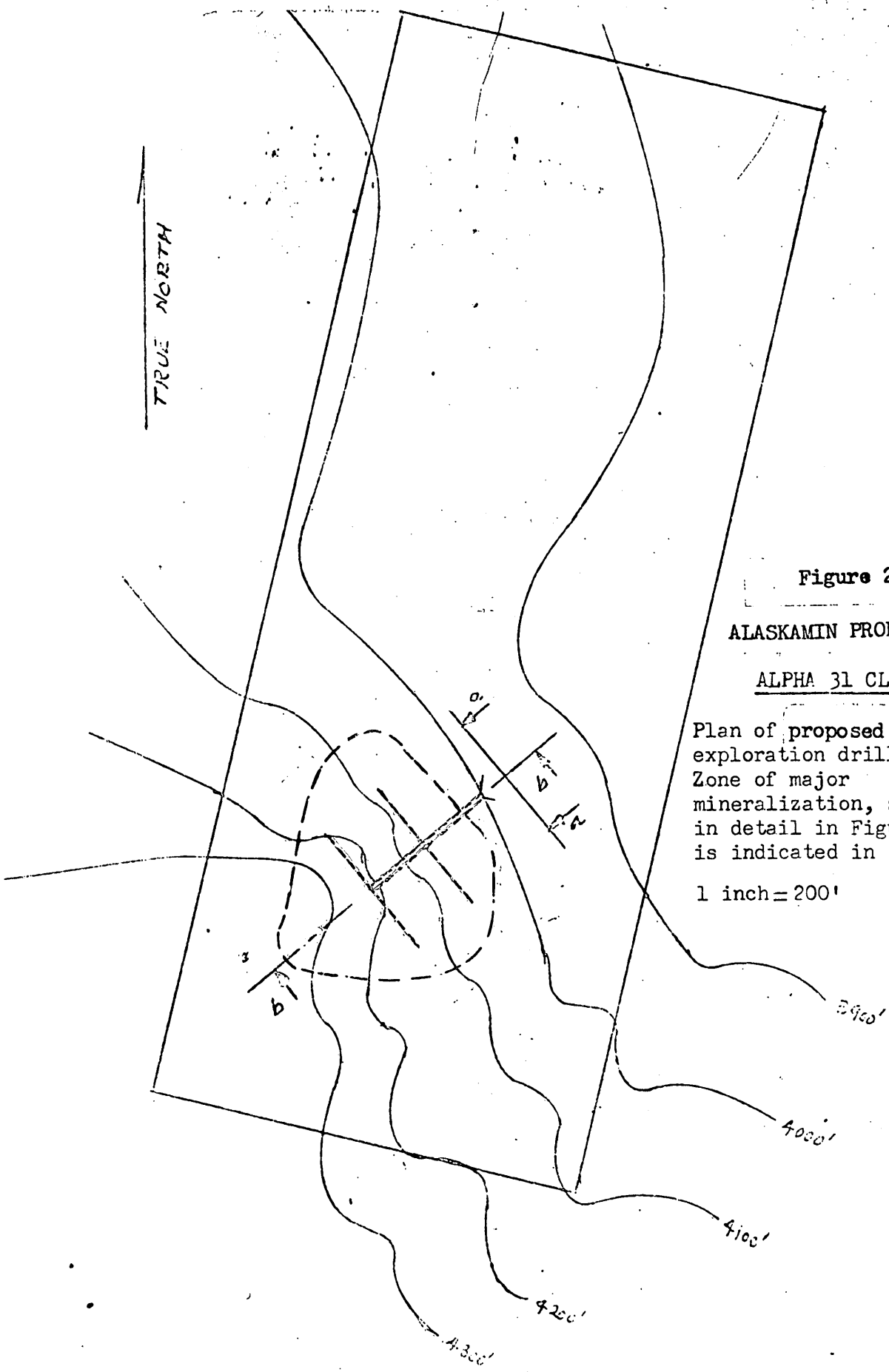

Figure 2.

ALASKAMIN PROPERTY

ALPHA 31 CLAIM

Plan of proposed adit and exploration drill holes. Zone of major mineralization, shown in detail in Figure M-4, is indicated in outline.

1 inch = 200'

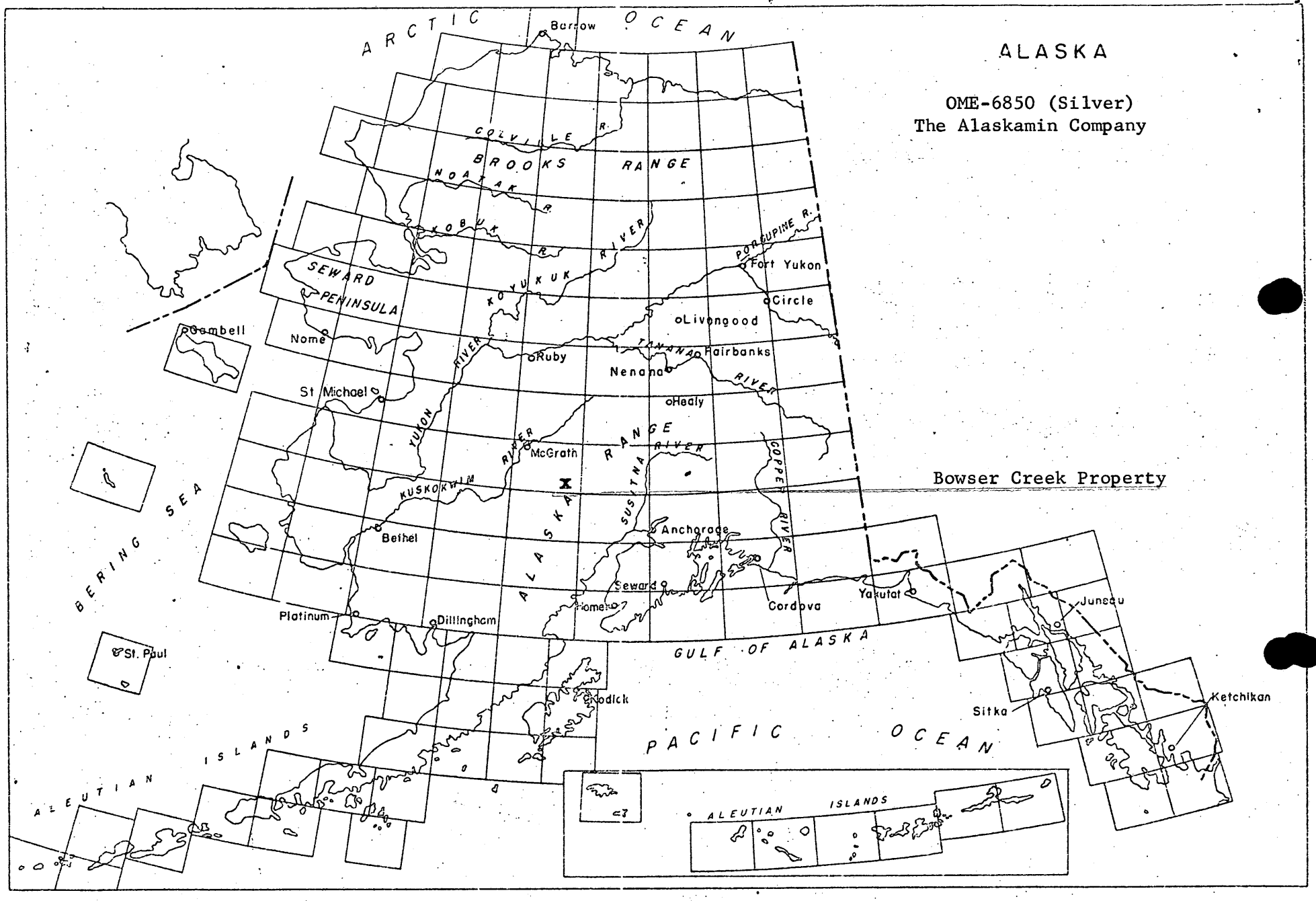

Figure A. INDEX MAP OF ALASKA

Assessment of environmental impact[1]

Proposed exploration project OME-6850

Bowser Creek, McGrath A-2 quadrangle, Alaska

1. The objective of the proposed project is to explore by constructing an access road to a portal site, leveling the site, driving an adit, and long hole drilling from the adit, for silver ore bodies below mineralized surface showings. The probability of a significant discovery is comparatively good.

Alternative methods of exploration, such as trenching and drilling from surface sites, would be more costly, would require greater modification of the land surface, and would yield about the same information.

2. The Bowser Creek Property covers an area 2 to 3 miles wide and about 7 miles long in T. 24 and 25 N., R. 24 W., Seward B&M, parallel with and a mile or more west of Post River which flows north into the south fork of Kuskokwim River in the southern Alaska Range. The proposed project, however, is confined to a single lode mining claim about 1,500 feet south of Bowser Creek (sec. 9, T. 24 N., R. 24 W.) and to an access road along the north side of the creek, which flows southeast into the Post River.

The area is devoid of vegetation. Except for cliff faces, most of the area is covered by talus or glacial debris. Slopes are steep to moderate along Bowser Creek, but the Post River has a gradient of only about 40 feet

---

[1] Leopold, L. B., Clarke, F. E., Hanshaw, B. B., and Balsley, J. R., 1971, A procedure for evaluating environmental impact: U.S. Geol. Survey Circ. 645, 13 p., 1 pl.

per mile. Permafrost in the general region is discontinuous,[1] and along the route of the proposed road small patches will require maintenance until it retreats and stabilizes.

3. The proposed exploration consists of three activities: constructing an access road, driving an adit, and long hole drilling.

The access road will be 4.7 miles long at about a 10-percent maximum grade from the campsite on Post River (altitude 2,000 feet) to the portal site (altitude 4,000 feet). Embankments from grading will be several feet high. Blasting will be necessary in some places. The roadbed will be about 12 feet wide--suitable for 4-wheel-drive vehicles. The adit will be 200 feet long, resulting in a waste dump of about 600 tons (equivalent to a 23-foot cube) outside the portal. The drilling will be conducted from sites in the adit. About 14 holes each about 2 inches in diameter and 100 feet long are planned.

4. Impact of the proposed work is small. The greatest impact will be from the road which will result in an embankment that will modify the erosion pattern, but will not affect natural drainage. A waste dump at the portal of the adit will modify the landform. Both the magnitude and importance of each impact are rated either plus or minus one as shown in the following chart.

---

[1] Ferrians, O. J., 1965, Permafrost map of Alaska: U.S. Geol. Survey, Misc. Geol. Inv. Map I-445.

Actions, proposed, or implicit

Conditions, environmental	Roads	Adit	Drilling	Junk disposal
Mineral resources		+1 / +1	+1 / +1	
Landform	1 / 1	1 / 1		
Erosion	1 / 1			
Scenic views	1 / 1			1 / 1
Employment	+1 / +1	+1 / +1	+1 / +1	

Explanation

Slash - indicates possible impact

Numbers - (+ indicates beneficial impact)

Upper left: magnitude of impact - 1 (least) to 10 (greatest)

Lower right: importance of impact - 1 (least) to 10 (greatest)

rm 7

OFFICIAL FILE COPY

Date	Surname	Code
4/10/72	Weeks	120
		220
4/12	ac	120M

April 11, 1972

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

The subject revised application is referred to you for further study and your recommendations. Because of Bruce Reed's knowledge of this area, no field examination appears necessary.

In the event of a favorable recommendation, updated bank letters will be required for the revised amount of Government participation, once that figure has been determined. Your suggestion on the fixed unit cost contract is sound, especially for the access road and portal site preparation. A somewhat reduced rate of Government participation in this portion of the work may be justifiable on the basis that it is not exploration, per se.

Because of the relatively short exploration season at this property and FY 72 budgetary constraints of OME, timing would appear critical if this exploration project is to be recommended for a contract this summer.

/s/ R. A. Weeks

R. A. Weeks
For: Harold Kirkemo

cc: Director's Reading File
Mineral Resources
OME docket
OME Reading File
Mr. Weeks
130

RAWeeks/gla 4-11-72

orm 7
)

OFFICIAL FILE COPY

Date	Surname	Code
4/11/72	Weeks	120
		220
		120M

April 11, 1972

AIRMAIL

Mr. William B. Murray
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Murray:

The revised application dated March 10, 1972, has been forwarded to this office and has been reviewed.

We have referred the application for further consideration to Mr. H. K. Stager, OME Field Officer, U. S. Geological Survey Building 2, 345 Middlefield Road, Menlo Park, California 94025. He will contact you if he requires additional information concerning the application.

Sincerely yours,

/s/ R. A. Weeks

Robert A. Weeks
For: Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director's Reading File
Mineral Resources
OME Docket
OME Reading File
Mr. Weeks
OME Region II

RAWeeks/gla 4-11-72

March 9, 1972

Mr. Harold K. Stager
Field Officer
Office of Mineral Exploration
U.S. Department of Interior
345 Middlefield Road
Menlo Park, California
94025

Subject: The Alaskamin Co.'s O.M.E. Application (Alaska)

Ref: Letter dated 21 May 1971 enclosing Application for Assistance OME form 40, from William B. Murray

Dear Mr. Stager,

We (the Alaskamin Co.) are planning on the submission of an amendment to the above referenced application prior to the March 14th deadline. We appreciate your help to date and your holding the application open for the amendment. Thank you!

Sincerely,

B.L. Gabrielsen

B.L. Gabrielsen
President Alaskamin

BLG:kc

RECEIVED
MAR 13 1972
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

OME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
2/14	cac	Room

FEB 14 1972

AIRMAIL

Mr. William B. Murray
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Murray:

On December 28, 1971, we wrote to you and explained that we could not offer financial assistance in the amount requested, and suggested that you consider withdrawing the application. To date, we have not heard from you on this matter.

The outlook for additional OME funding has not improved since we last wrote to you, so unless we hear from you within 30 days of the date of this letter, we will consider your application as withdrawn.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

cc: Director'sreading file
Mineral Resources
OME Reading file
Region II
Mr. Kirkemo

HKirkemo/cac 2/14/72

OME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code

AIRMAIL

Mr. William B. Murray
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

DEC 29 1971

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Murray:

As requested, your application to explore the Bowser Creek property has been kept in active status pending preparation of a modified exploration program. In the event your plans for the operating season next summer may be contingent on financial assistance from OME, we offer the following information on the present situation and the outlook for OME funding in the next fiscal year beginning July 1, 1972.

About $137,300 was available for contracts in the current fiscal year. Contracts executed to date and applications already approved for contracts will require practically all of the funds available. Budget constraints are expected to continue in fiscal year 1973, and, as mentioned to you previously, only modest assistance can be offered to a very few of the most promising proposals.

Under these circumstances, we cannot now offer you assistance in the amount (about $95,000 in Government funds) originally requested, and the likelihood is remote for being able to do so in the foreseeable future. A less costly program, if presented, would have to be considered within the limitations mentioned above.

Should you be able to undertake the exploration entirely on your own account, or if funds are available elsewhere, we suggest that you consider withdrawing your OME application. If additional OME funds become available at a later date, you could reapply by referring to the docket number of the present application, and furnishing information necessary to up-date the bank letters, financial data, and

technical information. Please advise us if you decide to withdraw the application.

These comments are not intended to reflect our views on the merits of your proposal, but rather to suggest that alternate sources of financial assistance be considered if you plan to continue work on the property next summer.

Sincerely yours,

Harold Kirkemo

Copy to: The Alaskamin Company
Seventh Floor, 618 S.W. Fifth Avenue
Portland, Oregon 97204

cc: Director's reading file
Mineral Resources
OME reading file
Region II
Mr. Kirkemo

HKirkemo/cac 12/28/71

Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

July 21, 1971

OFFICIAL COPY
O. M. E.
RECEIVED
JUL 26 1971

INITIALS	CODE
[illegible]	120 M
U	130
HK	120
	220

Mr. William M. Sharp
Consulting Geological Engineer
171 West Esplanade
North Vancouver, B.C., Canada

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Sharp:

This is in reply to your request of July 12, 1971, for comments on the additional maps and computations furnished to The Alaskamin Company to supplement your report of March 1971 included in the OME application referenced above.

These maps (Dwgs. 5A, 6A, 7A; Figs. 4R, 5R, 6A), and particularly the assay calculation sheet (S-1 zone), provide the additional details we requested. Thank you.

Sincerely yours,

H. K. Stager
Field Officer
OME, Region II

cc: OME, Wash., D.C.
Dir. RF
ACG RF
MP RF
Docket

RMSmith:mkh

TEL: BUS. 987-5322
RES: 987-9520

WILLIAM M. SHARP, P.ENG.
CONSULTING GEOLOGICAL ENGINEER

171 WEST ESPLANADE
NORTH VANCOUVER, B.C.

July 12, 1971

Office of Minerals Exploration,
U.S. Geological Survey,
345 Middlefield Road,
Menlo Park, Calif. 94025.
U.S.A.

Gentlemen:

RE: GEOLOGICAL REPORT on the BOWSER CREEK PROSPECT
in the
McGRATH A-2 QUADRANGLE, ALASKA
for the
ALASKAMIN COMPANY, Portland, Oregon. (March, 1971)

The above has been submitted by the writer's clients along with their formal application for financial assistance under the OME program.

Subsequently, I have furnished my client with supplementary maps providing more details of the proposed exploratory work, together with calculations to substantiate my originally reported assay values (S-1 Zone) - all of which I understand was requested by OME.

In view of the fact that I compiled the above supplementary detail on the basis of telephoned instructions from my client, it is possible that the above could incorporate some 'interpretation errors'.

Your comments in regard to the above would be much appreciated.

Yours truly,

W.M. Sharp

W.M. Sharp

RECEIVED
JUL 16 1971
OFFICE OF MINERALS EXPLORATION
U.S. GEOLOGICAL SURVEY
MENLO PARK, CALIF.

WILLIAM B. MURRAY
ATTORNEY AND COUNSELLOR AT LAW
618 S. W. FIFTH AVENUE, SUITE 702
PORTLAND, OREGON 97204

AREA CODE 503
TELEPHONE 226-3819

June 24, 1971

OFFICIAL COPY
O. M. E.
RECEIVED
JUN 28 1971
INITIALS | CODE
CAU 120 m
HK 120

Harold Kirkemo
Chief, Office of
Minerals Exploration
United States Department
of the Interior
Washington, D.C. 20242

RE: OME 6850 (Silver)

Dear Sir:

Mr. R.M. Smith of the Menlo Park office telephoned me and ask me to forward to you the additional maps and data which we had mailed to the Menlo Park office on June 15, 1971, as per our letter of that date to H.K. Stager.

Therefore we are enclosing the 13 items that should have been included with the copy of Mr. Stager's letter that we sent to you on June 15, 1971.

Thank you for your cooperation in this matter.

Very truly yours,

William B. Murray

WBM:kl
cc: Harold K. Stager
R.M. Smith
Enclosures

A[redacted]AY-CALCULATION SH[redacted]

PRINCIPAL SAMPLE SECTION, S-1 ZONE

BOWSER CREEK PROSPECT - THE ALASKAMIN COMPANY

(REF. FIG. 4-R & REPORT PAGE 14, PARA. 3)

NET WIDTH'		OZ/T AG		% PB		% ZN		% CU
9.75 x	28.50 =	277.87	x 9.51 =	92.72	x 4.94 =	48.16	x 0.05 =	0.487
10.5 x	5.20 =	54.50	x 0.05 =	0.53	x 3.10 =	32.55	x 0.03 =	0.315
10.0 x	0.29 =	2.90	x 0.29 =	2.90	x 0.65 =	6.50	x 0.02 =	0.200
8.25 x	0.85 =	7.02	x 0.10 =	0.82	x 2.59 =	21.40	x 0.03 =	0.248
9.0 x	1.80 =	16.20	x 0.77 =	6.93	x 1.75 =	15.78	x 0.02 =	0.180
8.5 x	7.30 =	62.00	x 2.35 =	20.00	x 2.20 =	18.70	x 0.02 =	0.170
11.5 x	7.50 =	82.50	x 2.04 =	23.46	x 0.95 =	12.92	x 0.04 =	0.460
10.5 x	0.09 =	0.94	x TRACE =	0.00	x 0.25 =	2.62	x 0.02 =	0.210
2.0 x	31.80 =	63.60	x 16.20 =	32.40	x 3.29 =	6.58	x 0.08 =	0.160
80.0'		567.53		179.76		165.21		2.430
TO. AVG.:		7.15		2.25		2.07		0.033

GRANBY (1968) AVERAGES, INCLUDING DETAIL FROM RE-RUNS, RETURNED 7.4 OZ/T AG.

THEREFOR, THIS SAMPLER'S AVERAGES QUOTED IN REPORT CONSIDER THE GRANBY DATA. THESE WERE:

			GROSS VAL. MAR./71		GROSS VAL. JUNE/71
80' @	AG, 7.3 OZ/T.	@ $1.60 =	$ 11.70	@ $1.725	$ 12.59
	PB, 2.3 %	@ 0.135 =	6.20	@ 0.135	6.20
	ZN, 2.0 %	@ 0.150 =	6.00	@ 0.155	6.20
	CU, 0.03 %	@ 0.503+ =	N/A.	N/A.	N/A
	(ALL @ TRACE)				
			$ 23.90/TON		$ 24.99/TON

W. M. Sharp, P. Eng. (B.C.)

THE ALASKAMIN COMPANY
702 BYS FAILING BUILDING
PORTLAND, OREGON, 97204
TELEPHONE 226-3310

April 9, 1971

The First National Bank of Oregon
Main Office
400 S.W. Sixth Avenue
Portland, Oregon 97204

Gentlemen:

We hereby apply for a loan of $200,000.00 for the purpose of exploring our Bowser Creek Claims, McGrath A-2 Quadrangle, Alaska, for silver ore.

This application is accompanied by a copy of plans for exploration prepared by William M. Sharp, P. Eng. Should you be willing to loan our company the funds requested, the funds would be needed from time to time as the work progresses.

We would be willing to pay your customary interest rate for this type of loan and would repay the funds within a maximum period of five years, but in any event, not less than five per cent of the net smelter returns or mint receipts would be applied on account of the loan as ore is extracted and sold from the mine.

Very truly yours,

Charles K. Shanks

CHARLES K. SHANKS, President

CKS:kl
Enclosure

June 14, 1971

P.S. We amend our application to apply for $94,929.48 or 75% of funds needed for exploration, the amount of the Government's participation or any lesser sum that the Bank may loan with respect to the enclosed application for financial assistance filed with the CME.

The Alaskamin Company

BY: Charles K. Shanks
Charles K. Shanks, Pres.

Appendix "C"
page 4

FIRST NATIONAL BANK OF OREGON

PORTLAND MAIN OFFICE, 400 S.W. SIXTH AVENUE, P.O. BOX 3131, PORTLAND, OREGON 97208
TELEPHONE: 225-2111

April 30, 1971

The Alaskamin Company
c/o Mr. William B. Murray
702 Failing Building
Portland, Oregon

Attention: Mr. Charles K. Shanks, President

Gentlemen:

We appreciate your application for a loan of $200,000 for the purpose of exploring mining claims in the McGrath A-2 Quadrangle, Alaska.

We regret we cannot make the loan and decline on the basis of our conversation with your representative and on the basis of your application as submitted.

Cordially,

Harry E. White
Vice President

HEW:sc

6/14/71

Your amended application for a loan with respect to your application for financial assistance from the OME for $94,929.48 or any lesser sum is respectfully declined.

THE ALASKAMIN COMPANY
702 SEC FAILING BUILDING
PORTLAND, OREGON, 97204
TELEPHONE 220-0010

April 14, 1971

The United States National Bank
321 S.W. Sixth Avenue
Portland, Oregon 97204

Gentlemen:

We hereby apply for a loan of $200,000.00 for the purpose of exploring our Bowser Creek Claims, McGrath A-2 Quadrangle, Alaska, for silver ore.

This application is accompanied by a copy of plans for exploration prepared by William M. Sharp, P. Eng. Should you be willing to loan our company the funds requested, the funds would be needed from time to time as the work progresses.

We would be willing to pay your customary interest rate for this type of loan and would repay the funds within a maximum period of five years, but in any event, not less than five per cent of the net smelter returns or mint receipts would be applied on account of the loan as ore is extracted and sold from the mine.

Very truly yours,

Charles K. Shanks

CHARLES K. SHANKS, President

CKS:kl
Enclosure

June 14, 1971

P.S. We amend our application to apply for $94,929.48 or 75% of funds needed for exploration, the amount of the Government's participation or any lesser sum that the Bank may loan with respect to the enclosed application for financial assistance filed with the CME.

The Alaskamin Company

BY: Charles K. Shanks

Charles K. Shanks, Pres.

UNITED STATES NATIONAL BANK OF OREGON

ALTON P. CHASE
Vice President

MAIN OFFICE
321 S. W. SIXTH AVENUE
P. O. Box 4412, PORTLAND, OREGON 97208

June 14, 1971

JUN 15 REC'D

Mr. Charles K. Shanks
President
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

Dear Mr. Shanks:

We are in receipt of your amended application dated June 14 for a loan of $94,929.48 for the purpose of exploring your Bowser Creek Claim, McGrath A-2 Quadrangle, Alaska, for silver ore. On the basis of the additional information that you have submitted we must decline your loan request for the sum of $94,929.48 or any lesser sum for the exploration of your claim.

Yours very truly,

Richard A. Smart
Commercial Loan Officer

RAS/aw

ARCTIC DIAMOND DRILLING LTD.

P.O. Box 3204,
Whitehorse, Yukon Territory

Marwell Area – Phone 668-2440

730 – 510 W. Hastings Street,
Vancouver, B.C.

Phone 688-3328

May 20, 1971

The Alaskamin Company,
702 Failing Building,
Portland, Oregon 97204

Dear Sir;

We have pleasure in enclosing our tender for the diamond drilling project on the Bowser Creek property. You will note our price is subject to a decrease of $ 1.00 per foot for footage in excess of 3,000 feet. In the event that drilling should cease for a period at the completion of 3,000 feet to enable correlation of the results, we would not charge rental on the machine and equipment.

We have a B.B.S. 1 complete with steel mast, mounted on steel skids which would be suitable for this job. This machine weights approximately 1,500 lbs. bare, and breaks down into components easily transported by fixed wing or chopper.

Our Company is the major contractor in the Yukon Territory with more than twenty machines available. These consist of B.B.S. 1, Longyear 34's and 38's and underground machines capable of handling all core sizes to depth. Contracts recently concluded include companies such as New Imperial Mines (surface and underground), Anvil Mines Ltd., Atlas Explorations Ltd., Kerr Addison Mines Ltd., Hecla Mining Corporation Ltd., Imperial Oil Ltd. - to name but a few.

Should we have the opportunity to contract for you, we are confident you will find our personnel, equipment and productivity equal to any in the industry.

Yours very truly,
ARCTIC DIAMOND DRILLING LIMITED

B. E. Bellchambers
Vice President

THIS AGREEMENT DATED THIS _____ DAY OF _____ 1971

BETWEEN: THE ALASKAMIN COMPANY,
702 Failing Building,
Portland Oregon, 97204

herein called the Company
OF THE FIRST PART

AND: ARCTIC DIAMOND DRILLING LIMITED
Box 3204,
Whitehorse, Y. T.

herein called the Contractor
OF THE SECOND PART

WHEREAS the Company is the owner of or is otherwise well entitled to enter upon and explore groups of mining claims approximately 150 miles Northwest of Anchorage, Alaska, known as the Bowser Creek property and herein called the Claims.

NOW THEREFORE IT IS WITNESSED:

1. The Contractor will diamond drill or cause to be diamond drilled not less than three thousand (3,000) feet upon the claims at drill sites to be selected by the Company.

2. The Contractor will commence drilling on a date agreed upon by the Contractor and the Company.

3. The work under this agreement will be continued by the Contractor with such number of working shifts as it may think advisable with reasonable diligence until completed, subject to the Company's approval.

4. All holes shall be drilled with a standard size drill producing AQ Wireline size core.

5. The dip of all holes shall be minus 35 degrees or steeper.

6. No hole shall exceed a length of five hundred (500) feet unless otherwise agreed by both parties.

7. Measurements of all holes shall be made from the top of the casing.

8. The Company will pay for all regular core drilling and penetration of all overburden at the following rates:

Penetrating Overburden

From	To	AQ 0 - 3000 ft.	AQ 3000 - 4000 ft.
0 feet	30 feet	$ 11.85 per foot	$ 10.85 per foot.
30 feet	Plus	Field Cost	Field Cost

Core Drilling

From	To	AQ 0 - 3000 ft.	AQ 3000 - 6000 ft.
0 feet	500 feet	$ 11.85 per foot	$ 10.85 per foot
500 feet	800 feet	$ 12.85 per foot	$ 11.85 per foot

Reaming Casing

From	To		
0 feet	500 feet	$ 9.85 per foot	$ 8.85 per foot

9. The Company agrees to pay for the following operations on a field cost basis:

(a) The penetration of all overburden in excess of thirty (30) feet in depth on each individual hole.
(b) All cementing operations.
(c) Moving between drill holes including tearing down and setting up.
(d) All wedging operations.
(e) The removal of all inserted casing and associated material upon completion of drilling on said setup.
(f) The Company agrees to pay for all casing left in holes at the Company's request at cost plus 10%.
(g) All costs arising from a mud and calcium chloride circulation operation.

10. All field cost operations will be charged to the Company employing the following applications:

Labour	$ 9.25 per man hour
Drill Rental	$ 6.00 per hour
Material Consummed	Cost Plus 10 %

11. In the event that permafrost, cavities or loose and caving material is encountered of such a nature as to prevent the successful completion of any hole, the Contractor does not under such conditions, guarantee to drill to a predetermined depth, and in the event that it becomes necessary to abandon the holes, the Company agrees to pay for such uncompleted holes, and the cost of all material unretracted from said hole, at the rates herein specified for all footage completed.

12. The Contractor will mobilize and demobilize between Whitehorse and Anchorage at no cost to the Company. The Company will resume the cost of moving in from that point and setting up on hole # 1 and tearing down from the last hole and moving out to Anchorage.

13. The Company is responsible for transportation of crew from camps to drill sites and back to camp.

14. The Company will pay for all angle acid testing of holes at field cost.

15. When water supply exceeds 1500 feet in length and 350 feet in elevation, the Company agrees to pay all pumping at field cost.

16. Holes less than 35 degrees will be charged at the regular prices and costs in this contract plus 20 %.

17. Moving between drill sites will be at Company expense at field cost.

18. The Company will operate and maintain adequate and proper housing and board for the drill crew at no cost to the Contractor or his crew.

19. Fuel and gas will be supplied by the Company at no cost to the Contractor.

20. It is agreed that the foreman's daily report will be signed by the Company's engineer and the Contractor's foreman. It is further agreed that the cost items on the signed foreman's daily reports will be invoiced to and paid for by the Company.

21. Transportation of men, supplies, fuel and equipment will be provided by the Company between the property and Anchorage at no cost to the Contractor.

22. Core boxes to be supplied by the Company.

23. Upon completion of the work by the Contractor, the Contractor shall have the right to remove within a reasonable length of time all machinery, equipment, appliances and facilities of the Contractor placed upon the claims.

24. The Contractor will be subjected to and operate under all applicable American and Alaska State legislation regarding employees' liability and Workmen's Compensation with respect to the Contractor's employees engaged in the work upon the claims.

25. The Company will pay to the Contractor for all work contemplated by this agreement as the work progresses asfollows:

(a) For all work done on and before the last day of each calendar month, not later than the 15th day of the calendar month next following, interest at 1 % per month may be charged on overdue accounts.

(b) The Company will deposit an amount not less than $ 15,000.00 in an interest bearing joint trust account prior to the Contractor mobilizing his equipment. Such deposit to be applied against the final billings submitted to the Company.

26. The Contractor shall not be liable for any loss or damage directly or indirectly suffered by the Company by reason of any delay or otherwise howsoever owing to strikes, accidents, acts of God, action of the elements or any other cause beyond the control of the Contractor affecting the operations of the Contractor and in particular, but without affecting the generality of the foregoing by reason of the Contractor being unable to get or being delayed in the getting of bits and all diamond drilling supplies.

27. This agreement shall be binding upon and enure to the benefit of the parties hereto and their respective successors and assigns.

28. The commencement date of drilling shall be approximately July 15th, 1971.

SIGNED BY:

IN THE PRESENCE OF:

THE ALASKAMIN COMPANY

ARCTIC DIAMOND DRILLING LIMITED

P. L. Gallaher

NORTHWEST EXPLORATION SERVICES, INC.

3944 SPENARD ROAD • ANCHORAGE, ALASKA 99503 • TELEPHONE: 279-4711

May 15, 1971

The Alaskamin Company
702 Failing Buildin g
Portland, Oregon 97204

Attn: William B. Murray

Gentlemen:

This letter is to acknowledge receipt of your letter dated May 12, 1971, requesting a bid for 6000 feet of diamond drilling.

We have reviewed the Geology Report briefly, and are presently in the process of preparing a bid which we will submit as quickly as possible. You may anticipate our submittal by the end of this next week, or by May 24, 1971, at the very latest.

At this point we have no questions concerning the proposed work, but will contact you immediately if we need further information. Ordinarily, we require an inspection of the site prior to submitting a bid, so if you anticipate sending anyone to Alaska soon, we could arrange to see the property. A site inspection always leads to a more intelligent and more accurate price bid, but it is not completely necessary.

If there are any changes in the proposed work during the period of time while we are preparing our bid, please call us immediately.

Thank you for your consideration.

Respectfully submitted,

NORTHWEST EXPLORATION SERVICES, INC.

James A. Hamilton

James A. Hamilton

JAH/eb

NORTHWEST EXPLORATION SERVICES, INC.

3944 SPENARD ROAD • ANCHORAGE, ALASKA 99503 • TELEPHONE: 279-4711

June 2, 1971

The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

ATTENTION: William B. Murray

Gentlemen:

In accordance with our May 15, 1971 correspondence we enclose herewith our draft proposal for diamond drilling to be performed in the vicinity of Farewell, Alaska during June or July 1971.

This proposal was submitted without the benefit of an onsite inspection of the work area. Accordingly, we would appreciate the opportunity to amend the proposal, if necessary, pending future inspection and negotiations with your company.

You will note in the proposal on Item 5 that we have cited the use of BQ wireline rather than the previously mentioned AQ. Our reason for this is that with the existing drilling conditions we feel BQ will give much better recovery as well as increased drilling capacity. Also, on this item we have not included the cost of diamond bits, reaming shells, or casing shoes. Rather, our estimate assumes these items can be furnished by the client or by our company at current list price.

Our proposal is based on a minimum of 3,000 feet BQ wireline. Should this amount be substantially exceeded, we would anticipate contract review with possible adjustments of costs pending negotiations.

We have also assumed in your invitation that transportation will be provided by Alaskamin between Anchorage and the job site and that some form of Cat or four-wheel drive transportation will also be available from the camp to the various drill sites.

We sincerely appreciate the opportunity to submit this proposal and trust you will find it satisfactory. In the meantime we will look forward to hearing from you and discussing the matter further.

Sincerely,

Howard J. Grey

HJG:js
Enc.

DRILLING PROPOSAL

THE ALASKAMIN COMPANY - FAREWELL, ALASKA

1.	Transportation of equipment and crews from Anchorage to job site and return - to be supplied by Alaskamin Company at no cost to Contractor.		
2.	Drilling overburden to surface casing depth	Per Foot	$ 14.50
3.	Casing installation:		
	Casing left in hole by request - At current list price F.O.B. Anchorage Casing lost and non-recoverable - At current list price F.O.B. Anchorage (less 50%)		
4.	Reaming hole to advance casing	Per Foot	$ 7.25
5.	Core drilling BQ wireline		
	0 - 500' depth	Per Foot	$ 12.10
6.	Cementing and drilling of cement	Per Hour	$ 24.00
7.	Drilling mud and cement - At cost F.O.B. jobsite		
8.	Core boxes (cardboard type)	Each	$ 1.50
9.	Standby time requested or caused by Alaskamin Company	Per Hour	$ 25.00
10.	Use of crew for work other than operation of the drills or activities directly related thereto as requested by Alaskamin Company (including mobilization between holes and pump and waterline setup, and crew travel time between Anchorage and jobsite and return).	Per man/ Per hour	$ 11.25

(Farewell, Alaska)

CONDITIONS

1. Northwest Exploration Services, Inc. will provide:

   (A) Two crews each consisting of one driller and one helper. Each crew will work optional ten to twelve hours per day six days per week with an additional option of a seven-day work week. One drilling superintendent to supervise drilling, prepare daily progress reports and maintain liaison with Alaskamin Company personnel.

   (B) One complete Longyear 24 or 34 drill capable of drilling and recovering BQ wireline core to 400 ft. depth including all necessary drill tools, two water supply pumps, waterline and related drilling equipment.

   (C) Required Workmen's Compensation and liability insurance.

2. The Alaskamin Company will provide:

   (A) All necessary fuel and lubricating oil for operation of Northwest Exploration Services, Inc. equipment.

   (B) Housing and board for Northwest Exploration Services, Inc. personnel.

   (C) Transportation of Northwest Exploration Services, Inc. personnel, equipment and drilling material from Anchorage to the Farewell jobsite and return.

   (D) All diamond bits, reaming shells and casing shoes necessary for completion of the project. As an alternative these items can be provided by Northwest Exploration Services, Inc. at current list price F. O. B. Anchorage.

   (E) One Caterpillar D-4 or similar type vehicle for mobilization between holes, preparation of sumps and general transportation or other related work.

MIDWEST
DRILLING
860 KING EDWARD STREET, WINNIPEG 21, MANITOBA / TELEPHONE (204) 775-7081 / TELEX 03-5388

June 3rd, 1971.

The Alaskamin Company,
702 Failing Building,
Portland, Oregon, 97204.

JUN 7 RECD

Attention: Mr. W.B. Murray.

Dear Sir:

Re: Diamond Drilling - Bowser Creek.

Midwest Drilling would undertake to drill approximately 3000 feet on your property, 150 miles Northwest of Anchorage. We offer the following proposal for your consideration.

1. Move in and Move out.

Midwest will supply one BBS-1 diamond drill complete with all the necessary ancillary equipment, and a drill crew. The charge for mobilization to Anchorage will be $4,500.00. The charge for demobilization from Anchorage at the completion of the drilling will be $4,500.00. The cost of moving equipment and crew from Anchorage to the site will be to Alaskamin account. Similarly, the move out to Anchorage after completion of the drill program will be to your account. All transportation required for sustaining the drilling operation will be to your account.

2. Camp Operation.

Alaskamin will furnish, at no cost to the contractor, suitable camp facility and supply our crews with free board.

cont'd.....

3. Day Work Rates.

The rate per hour for day work is $41.00.

4. Day Work.

The following work will be done on day work basis.

a) Moving between holes.

b) Tear down and set up of drill rig.

c) Camp building.

d) Loading and unloading aircraft.

e) Cementing.

f) Reaming.

5. Materials .

The following materials will be charged to the customer at our cost plus 15%.

a) Cement.

b) Drilling mud and chemicals.

c) Core Boxes.

d) Casing left in holes.

6. Drilling Prices.

a) Overburden.

From 0' to 50 feet will be at the rate of $10.25 per foot. When overburden depth is greater than 50 feet then work will be on day rate basis.

b) Core Drilling.

From 0' to 500 feet at the rate of $10.25 per foot.

Midwest Drilling would use local drillers if they are available. The alternative is to supply three (3) drillers from Winnipeg and hire local drill helpers.

Thank you for asking Midwest Drilling to submit our proposal.

Yours very truly,

MIDWEST DRILLING

W. Perchaluk
Contract Manager.

WP/ld

cc: Mr. W.M. Sharp
Consulting Geologist.

EMCO

The Electro-Mechanics Company

Post Office Box 1546 / Austin, Texas 78767
Telephone 512 / 345-2660

May 24, 1971

Mr. William B. Murray
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

Dear Mr. Murray:

Enclosed is our bid on your company's Bowser Creek Prospect.

As requested in our telephone conversation we have included in our price schedule three sizes of drill pipe to be furnished on location. We have found in areas as remote as this, it is far better to start with the larger size and reduce as necessary to complete the exploration holes to the desired depth.

From past history of drilling in the area it is known that most of the problems occur in the upper section. Should this be the case in this program it is most desirous to have the ability to reduce size in a step-down drilling pattern.

The standby rate is used in the event your geologist wants to circulate fluid and wait on a decision to drill ahead or move location.

The moving rate is applied to the time moving the rig to a new location until drilling is resumed. The extra equipment will be moved while drilling, thereby putting the rig back on the drilling rate per foot and not on moving time.

As we realize foul weather may shut down operation for a day or two in this area, we are therefore including our clause on a 40 hour minimum billing time. This is to protect our drillers on a minimum rate, although it will only take two days per week at 24 hours per day to obtain the minimum.

Should you have any questions pertaining to our bid, please call me or Mr. George Roberts at any time.

Very truly yours,

THE ELECTRO-MECHANICS COMPANY

Robert L. Crouch

RLC:mw

Enclosures

CORE DRILLING CONTRACT

(Footage Basis)

REF: The Alaskamin Company
Bowser Creek Prospect
McGrath A-2 Quadrangle, Alaska

Wire Line Drilling

NX	0 - 250'	$ 8.47/ft
BX	0 - 250'	8.26/ft
AX	0 - 250'	8.10/ft
	250 - 500'	8.45/ft
Standby Time Rate		19.75/hr

Client shall furnish contracts for the purchase of water at their cost.

Client shall furnish all roads, drill sites, pits and right-of-ways.

All items can be obtained by contractor and billed to client at cost plus 15% for handling.

Any restrictions or requirements set on hole completion by the State-Federal-Government or the fee owner shall be so done at the expense of the client.

All down time due to machinery failure or employee problems (EMCO employee) shall be at the expense of the contractor. Any other delay not counted as an act of God shall be billable time.

All equipment penetrating the hole collar shall be considered to belong to the client until retrieved.

The client shall be liable for any bit assembly cost exceeding $1.08 per foot, less applicable salvage. The bit assembly shall be calculated on a per hole basis.

Casing	At Cost FOB Location
Reaming for Setting Casing Plus Bit Cost	22.50/hr
Additives Used in Reaming, drilling and cementing	At Cost Plus 15%
Cementing Time for Broken and or Caving Ground	19.75/hr

Should excessive foul weather be cause for shut down of drilling, EMCO will be guaranteed a 40 hour minimum billing time per week at standby rates.

EMCO
The Electro-Mechanics Company

It is agreed in this contract that The Alaskamin Company will furnish room and board for the drilling crews of EMCO while under contract.

Diesel fuel will be furnished to drill site at invoice price by The Alaskamin Company.

EMCO will furnish core boxes at cost FOB location, in the sizes NX, BX, and AX.

Transportation for local travel will be furnished by The Alaskamin Company.

Mobilization and demobilization will be at cost FOB Anchorage, Alaska. Transportation of equipment from Anchorage to location to be furnished by client.

THE ELECTRO-MECHANICS COMPANY

By _____

THE ALASKAMIN COMPANY

By _____

Date: _____

EMCO
The Electro-Mechanics Company

INSURANCE INFORMATION

1. EMCO agrees to carry necessary and proper insurance as provided by Workman's Compensation Laws, including insurance for occupational disease, and to submit the policy or policies to The Alaskamin Company for its approval; and EMCO agrees to require insurer to give a certificate to The Alaskamin Company showing that said insurance has been obtained and that reasonable advance notice of any discontinuance or cancellation of said insurance will be given to The Alaskamin Company.

2. EMCO shall carry general public liability insurance, such insurance to cover liability for all personal injury and property damages, with such limits of liability as hereinafter provided for in the insurance on trucks; and EMCO shall carry public liability insurance upon all trucks used in carrying out the terms of this contract, said insurance to cover all liability for all damages, including damages for care and loss of services, arising out of bodily injury, sickness or disease, including death at any time resulting therefrom, sustained by one person in any one accident with a limit of not less than $100,000.00 and with a total limit of liability of not less than $300,000.00 for all damages, including damages for care and loss of services arising out of bodily injury, sickness or disease, including death at any time resulting therefrom, sustained by two or more persons in any one accident; and for all damages, including loss of use, arising out of injury to or destruction of property in any one accident a limit of not less than $50,000.00. EMCO agrees to submit the policy or policies to Company for its approval. EMCO further agrees to have the insurer issue a certificate to Company showing that said insurance has been obtained and that reasonable advance notice of any discontinuance or cancellation of said insurance will be given to Company

THE ELECTRO-MECHANICS COMPANY

By _____

THE ALASKAMIN COMPANY

By _____

Date _____

CAMERON McCUTCHEON DRILLING LIMITED

DIAMOND DRILLING CONTRACTORS

TELEPHONE: 683-1288
EVES.: 261-0789

620 - 475 HOWE STREET
VANCOUVER 1, B.C.

May 14, 1971.

The Alaskamin Company,
702 Failing Building,
Portland, Oregon,
U.S.A. 97204

Attention: Mr. William B. Murray

Dear Sir:

We wish to acknowledge your invitation to quote on diamond drilling on the Bonser Creek Project.

Our proposal will be forwarded within a few days for your consideration.

Yours very truly,

CAMERON MCCUTCHEON DRILLING LTD.,

M. O'Brien

for A.D. McCutcheon,
President.

ADM:mdo

c.c. - C.D. MacDonald

CM INC.

U.S. ADDRESS: P.O. BOX 1159, KALISPELL, MONTANA, U.S.A. 59901
CANADIAN ADDRESS: 619-475 HOWE ST., VANCOUVER 112, BRITISH COLUMBIA, CANADA
CANADIAN TELEPHONE NUMBERS: 685-2261 (AREA CODE 604)
TELEX: CANMS 04-54311

May 17, 1971.

The Alaskamin Company,
702 Failing Building,
Portland, Oregon,
U.S.A. 97204

Attention: Mr. William B. Murray

Gentlemen:

In response to your request of May 12th, we wish to submit the following proposal for diamond drilling on the Bowser Creek Prospect.

SPECIFICATIONS:

1. Minimum footage 3000 feet BQWL.
2. Location approximately 150 miles northwest of Anchorage. Access is by air from Anchorage. Camp and airstrip are 3 miles by road from drill sites.
3. Drill sites are above timberline, elevation 3500 to 5500 feet.
4. Rock type predominantly limey and argillaceous sediments, with various igneous intrusions.
5. Commence drilling in July, as early as possible.
6. Drill water available within 1000 feet, with maximum lift of 300 feet.

ALASKAMIN WILL PROVIDE:

1. Transportation for personnel, equipment and supplies between Anchorage and drill camp throughout the work programe.

cont'd . . .

THE ALASKAMIN WILL PROVIDE: (cont'd)

2. Road access and service vehicle between camp and work-site, throughout the work programe.
3. Camp accommodation.
4. Radio communication between camp and commercial radio system.
5. Engineering and geological control.
6. Representative on site to approve C M Inc. charges on a daily basis.
7. Tractor for road maintenance, moving drill and drill site preparation.

C M INC. WILL PROVIDE:

1. Competent crew and supervision covered by all applicable insurance.
2. Diesel powered drill, complete with all necessary accessories and supplies to carry out the drill programe efficiently.
3. Mobilization of personnel, equipment and supplies between point of origin and Anchorage, throughout the drilling programe.

SCHEDULE OF PAYMENTS:

1. Mobilization -- Lump Sum payable when personnel and equipment are in Anchorage and ready for movement to drill site	$ 3,000.00
2. Demobilization -- Lump Sum payable when job is completed	$ 2,500.00
3. BQWL drilling, including up to 30 feet overburden per drill hole Price per foot	$ 10.00
4. Cementation, casing in excess of 30 feet per hole, reaming and setting casing for telescoping to smaller size, drilling cave or broken ground, mud and supplies, taking of tests in the borehole, mobilization and demobilization between Anchorage and drill site, set up on	

cont'd . . .

SCHEDULE OF PAYMENTS: (cont'd)

4. (cont'd)

drill holes, moves, all delays caused by Alaskamin, will be charged at field cost plus 10% where field costs are defined as:

Field Costs:

(a) Labour		9.00/man hour
(b) Drill Rent -	Operate	5.15/drill hr.
	Non-Operate	2.15/drill hr.
(c) Supplies consumed or damaged beyond use, including diamond articles		@ our cost landed in Anchorage

NOTE:

Non-operation rates for equipment would commence when our equipment arrives in Anchorage and is available for movement to the site.

Please note that C M Inc. is associated with Cameron McCutcheon Drilling Limited, the company to which your letter was addressed.

C M Inc. is incorporated in the United States, and is licensed to do business in the State of Alaska. We are currently working on a job near Ketchikan, Alaska.

If discussion or modification of our proposal is required, we are available at your convenience. In the event that you wish to proceed as outlined, we would require two weeks notice to have equipment and personnel on hand in Anchorage.

cont'd . . .

Yours very truly,

C M INC.,

A. D. McCutcheon,
President.

adm:mdo

c.c. - Mr. C.D. MacDonald

Terms Agreed To:

C M Inc. Date

The Alaskamin Company Date

DIVISION OF MINES AND GEOLOGY

CONFIDENTIAL

PROPERTY EXAMINATION REPORT

#74-2

GEOLOGICAL OBSERVATIONS AND COMMENTS

ALASKAMIN BOWSER CREEK PROSPECT

MCGRATH A-2 QUADRANGLE

by

ROBERT E. ANDERSON
MINING ENGINEER

September 4, 1968

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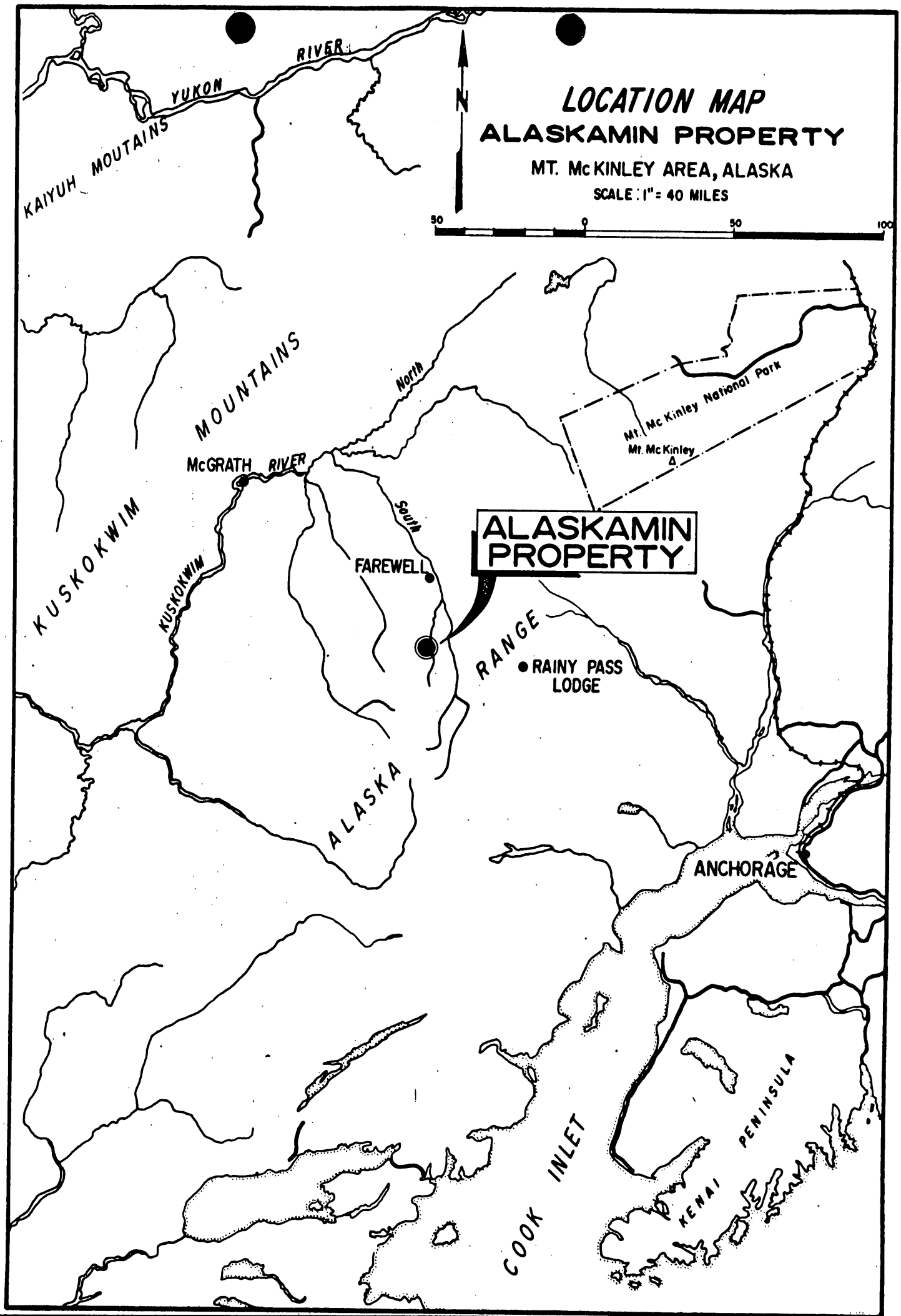

LOCATION MAP
ALASKAMIN PROPERTY
MT. McKINLEY AREA, ALASKA
SCALE: 1" = 40 MILES
50
0
50
100
N
YUKON
RIVER
KAIYUH MOUTAINS
MOUNTAINS
KUSKOKWIM
KUSKOKWIM
McGRATH
RIVER
North
South
FAREWELL
ALASKAMIN PROPERTY
Mt. McKinley National Park
Mt. McKinley
RANGE
RAINY PASS LODGE
ALASKA
ANCHORAGE
COOK INLET
KENAI
PENINSULA

GEOLOGICAL OBSERVATIONS AND COMMENTS
ALASKAMIN BOWSER CREEK PROSPECT

CONFIDENTIAL

Introduction

Early in 1968 the U.S.G.S. released Circular 559, "Lead, Zinc and Silver Deposits at Bowser Creek, McGrath A-2 Quadrangle, Alaska." As soon as this circular reached the public, Alaskamin, an Oregon corporation, had a man flown into the area to begin staking claims.

The notes and sketches regarding the claims are not to be considered completely accurate in dimension or scope. They are the results of a cursory appraisal of observations made August 21 through 23, 1968, when I visited the exploration camp of Alaskamin.

While this organization had over 417 claims, they were, at the time of this visit, concentrating their principal efforts in the Bowser Creek area as covered by U.S.G.S. Circular 559.

Location

Bowser Creek is an east-flowing tributary of Post River, which in turn flows north into the south fork of Kuskokwim River. The area is located approximately 25 miles south of Farewell, an F.A.A. station.

History

Before the work of B. L. Reed and R. L. Elliott of the U.S.G.S. in their Geological Survey Circulars 559 and 569, very little geologic information was available on this section of Alaska. The only previous work was in 1911 when A. H. Brooks of the G.S. traversed the Alaska Range via the south fork of the Kuskokwim River.

Alaskamin, after staking the area and doing some preliminary work, interested Homestake Mineral Development Company of Vancouver, B. C. in the property. L. G. White, Manager, and J. Buchholz, Geologist, of Homestake visited the property in the middle of June 1968. In Mr. Buchholz's report he stated Homestake's interest when he wrote: "It is concluded that the known silver-lead-zinc showings on Bowser Creek warrant further exploration work."

Subsequently, Homestake made an agreement with Home Oil Company of Canada and Granby Mining Company of Canada in some form of joint venture whereby Granby and Home Oil have taken over further exploration of the property and have an option with Alaskamin to acquire the claims for a stock exchange.

Alaskamin and Granby-Home spent $100,000 each in the 1968 exploration of Bowser Creek and Post River.

Observations - South side Bowser Creek

Trenching through the talus slopes and highly altered surface exposures in about eight places, mostly in sections 6, 8, and 9, indicates a possible ore body lying in the vicinity of the cross section in section 9 and it probably does not extend laterally beyong the cirque.

At the time of the investigation, it appeared that little attention had been paid to the country rock.

Assuming that mineralization is limited to veins and the area of the contact with the felsite dike, this side of Bowser Creek would not yield sufficient tonnage alone for development. However, it would add "sweetening" if it were developed because of mineral occurrences on the other side of the creek.

Mineralization in this section occurs in veins which are associated with felsite dikes and which lie outside the area of metamorphism caused by the intrusions. The dikes follow the bedding trend of N 15° E and have altered the limestone in contact with the dikes to chert. Chert grades into a cherty limestone within 5 to 10 feet and except in the "bowl" part of the structure the chert is barren of mineralization. Mineralization occurs close to, or in contact with, the cherty limestone, probably on both sides of the felsite dike. As shown in the cross section, the most promising mineralized area of the southwest side of Bowser Creek is the small synclinal structure, forming a "bowl" at lower elevations just above the lower talus slope. The structure changes to a simple monocline within 150 feet above the talus slope.

No attempt has been made yet to expose the dike and related beds downstream on the left side of the "bowl" where beds are covered by talus. I would expect that mineralization there would be similar to that above the "bowl" concentration of sulfide minerals. Sulfide mineral concentrations in the veins vary from 2% sulfides up to nearly solid sulfide concentrations. The changes where observed are very abrupt. Regardless of the concentrations the ratio of sulfide minerals remained in fairly constant relationship.

Approximate ratio of the major sulfide minerals observed were:

Galena	60
Sphalerite	30
Pyrrhotite	10

Roughly the same mineral relationships can be seen in the top trench at about 5000 feet elevation and the bottom trench at about 4200 feet elevation, indicating no major zoning trend with depth in this area.

North side Bowser Creek

Work had just begun on this side of the creek. Each of the four trenches on the lower part of the hill exposed veins, all steeply dipping and striking about N 55° E. Between the trenches and the few rock exposures showing through the extensive talus there appears to be at least 8 veins, 75 feet to 250 feet apart, varying in thickness up to about 12 feet. At least two veins can be traced along their strike into the next drainage to the north. Each vein seems to pinch and swell sporadically, and the sulfide mineralization along the vein stops and starts abruptly. The veins where exposed show a dark brown to red brown iron staining, but usually within a foot or two of the surface the sulfide minerals are only slightly altered.

The veins that strike N 55° E are cut off on the west by a felsite dike and associated veinlets which dip steeply and strike roughly N 15° E and which are apparently related to those on the southwest side of the creek. Mineralization of the N 55° E veins is higher in galena and lower in sphalerite than the veins on the southwest side of Bowser Creek. Apparently the felsite dikes and associated

mineralization are younger than the N 55° E veins. It would be interesting to study the contact between the two systems, but no trenching had been done along the dike to expose contacts.

Approximate ratio of major sulfide minerals observed were:

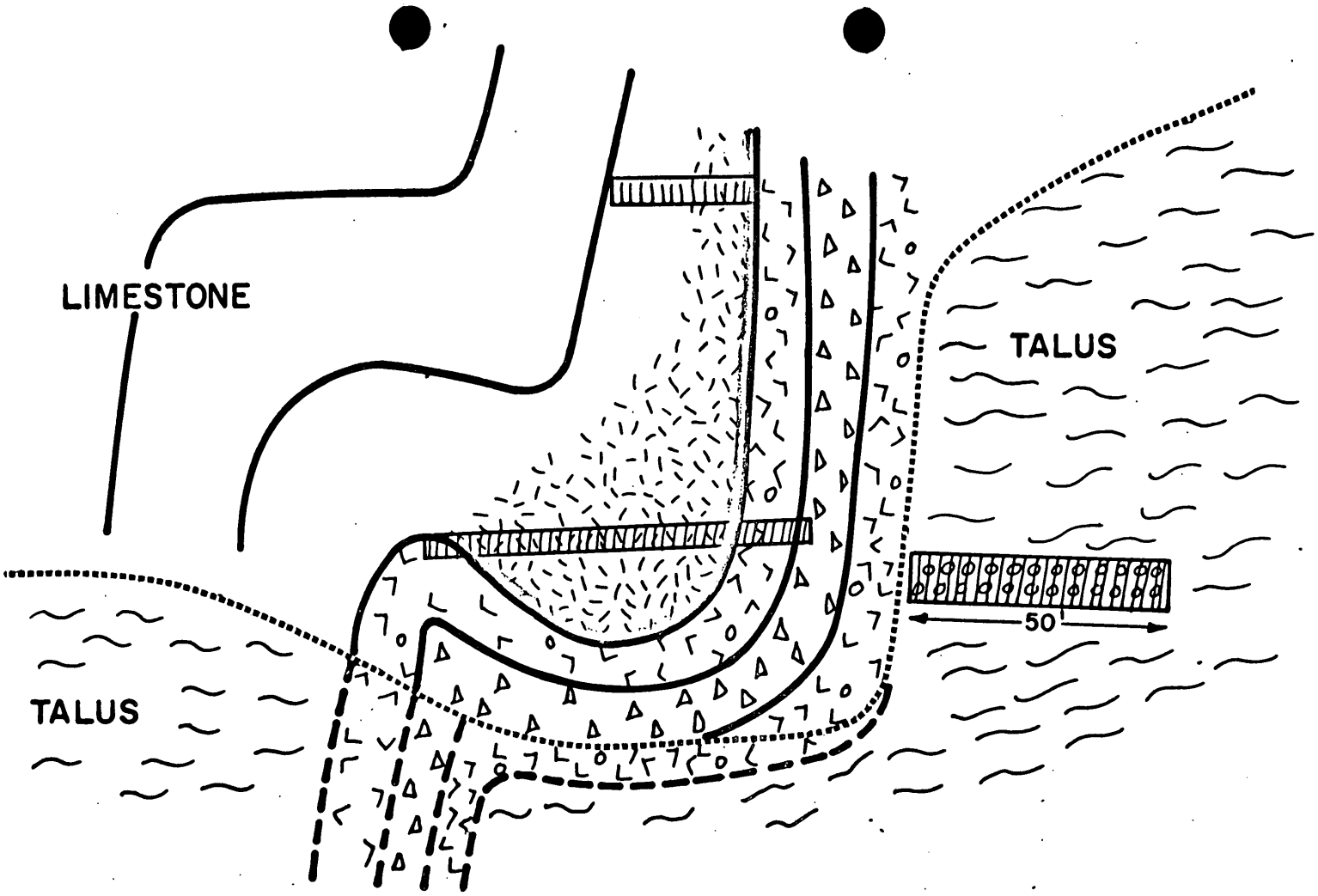
Sphalerite	70
Pyrrhotite	20
Galena	10

Silver assays of the veins range from 2 oz. per ton to as high as 50 oz. per ton. Again, there has been no attention paid to the country rock between veins.

North of Bowser Creek Drainage

Daily a crew of two to three prospectors was sent out to investigate claims to the north of Bowser Creek. In talking with them, I found they had come across prominent copper mineralization in the Hippie Creek area. Samples which I observed were principally bornite with minor chalcopyrite. The prospectors indicated that some of the samples came from float, but most were vein occurrences. They did not indicate the size of the veins.

Robert E. Anderson, Mining Engineer
Division of Mines and Geology
September 4, 1968



LEGEND

TRENCH

FELSITE DIKE

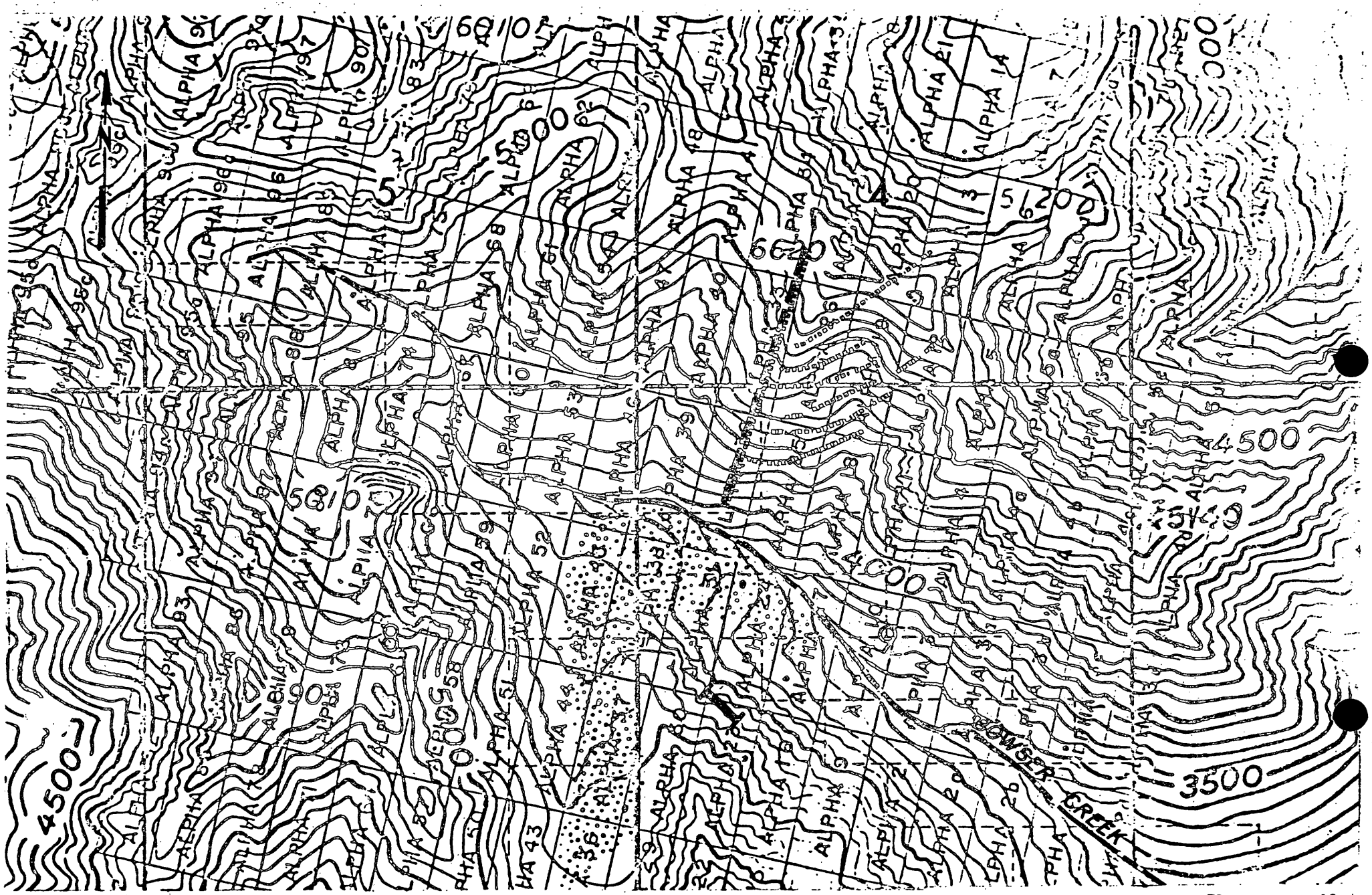
CHERT TO
CHERTY LIMESTONE

MINERALIZED AREA
AV. = 6 oz. Ag
4% Zn
3% Pb

MINERALIZED AREA
NO ASSAYS BUT SHOWS
GOOD POTENTIAL

HIGHLY ALTERED
SHEAR VEIN 4" THICK
UP TO 310 oz. SILVER

SOUTH SIDE BOWSER CREEK
CROSS SECTION



Legend

- Cross Section
- Possible Vein Locations
- Felsite Dike

OBSERVATION MAP

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
6/18/71		120
		220
		120M

AIRMAIL

Mr. William B. Murray
The Alaskamin Company
702 Failing Building
Portland, Oregon 97204

JUN 18 1971

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Mr. Murray:

Thank you for your recent letter and accompanying report on the subject property by Robert E. Anderson, September 4, 1968. We are in receipt also of copies of your letters dated June 7, 1971, and another dated June 15, to Mr. Harold K. Stager, Field Officer, Region II, listing additional material furnished for your application.

As further prospecting, sampling, and geological work at the Bowser Creek property remains to be done in order to determine significant exploration targets, we are not completing our review of the subject application at this time.

We understand that on the suggestion of Mr. Stager and Mr. R. M. Smith of our Menlo Park office during your visit there on May 27, 1971, you agreed that it would be advisable to conduct the above work this summer and after the results are evaluated to submit a revised proposal this fall. Accordingly, we will postpone further action on the application until we review the results of work done this summer.

The amount requested for the present proposal exceeds our current balance of funds available. Budget constraints in fiscal 1972, beginning July 1, 1971, will restrict the OME program to the point where only modest assistance will be available to a very few of the more promising proposals.

Thank you for the prompt submittal of the additional material to Mr. Stager.

NOTE : REGION II
We have not yet received copies of the material furnished by Mr. Murray with his letter to you of June 15, except a copy of his letter to you dated June 7 and a copy of Robert E. Anderson's report.

Sincerely yours,

Harold Kirkemo
gla

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to: The Alaskamin Company
Seventh Floor, 618 S. W. Fifth Avenue
Portland, Oregon 97204

cc: Director's Reading File
Mineral Resources
OME Docket
OME Reading File
OME Region II
Mr. Kirkemo

H. Kirkemo/gla 6-18-78

WILLIAM B. MURRAY
ATTORNEY AND COUNSELLOR AT LAW
525 FAILING BUILDING
PORTLAND, OREGON 97204
TELEPHONE 226-3819

OFFICIAL
COPY
O. M. E.
RECEIVED
JUN 17 1971
INITIALS CODE
Calc 120 mw
120

June 15, 1971

Harold K. Stager
Office of Minerals Exploration
U.S. Department of the Interior
345 Middlefield Road
Menlo Park, California 94025

Subject: OME 6850 (Silver)

Dear Sir:

We have ask William M. Sharp, P. Eng. to prepare the additional maps which you suggested, which are included in the following enclosures:

1. Drawing No. 5-A: Composite Cross-Section S-1 Zone - Viewed N 18° E, Scale 1" = 20', showing Diamond Drill Holes, Mineralization, Assays and Geological features.

2. Drawing No. 6-A: Diamond Drill Hole Layouts, Headwater Zone, Scale 1" = 50', showing Diamond Drill Holes and their relation to Mineralization and Assays, Geological features and Bowser Creek.

3. Drawing No. 7-A: This m has been re-drawn to a scale of 1" = 800'. It shows the claims to be 1,500' in length and 600' in width. A blue line has been drawn around the block of claims which should be made subject to the Contract. These claims are listed in Appendix A attached. The drill holes proposed are shown in relation to the boundaries of the claims. None of the workings proposed are within 200' of the boundaries of the block of claims.

4. Figure No. 4-R: Diamond Drill Hole Layouts, Lower S-1 Zone, Scale 1" = 20', shows Diamond Drill Holes, Mineralization, Assays and Geological data.

5. Figure No. 5-R: Diamond Drill Hole Layouts, Lower N-2 Zone, Scale 1" = 50', shows Diamond Drill Holes in relation to Geological data.

6. Figure No. 6-A: Diamond Drill Hole Layout N.W. Zone, Scale 1" = 100', shows the drill holes in relation to the Geological data and mineralization.

7. Assay Calculation Sheet, Principal Sample Section, S-1 Zone, (refer to Figure 4-R and Report page 14, paragraph 3, W.M. Sharp report). These calculations show Gross Values as of June, 1971, $24.99 for a width of 80'.

8. Amended request for funds to the First National Bank of Oregon, Main Office, 400 S.W. Sixth Avenue, Portland, Oregon 97204, to apply for $94,929.48 or 75% of the proposed contract amount applied for with the OME, or any lesser sum.

9. Denial for request of amended application in the amount of $94,929.48 or any lesser sum from the First National Bank of Oregon, dated June 14, 1971.

10. Amended request for funds to the United States National Bank of Oregon, Main Office, 321 S.W. Sixth Avenue, Portland, Oregon 97208, to apply for $94,929.48 or 75% of the proposed contract amount applied for with the OME, or any lesser amount for exploration.

11. Denial for request of amended application in the amount of $94,929.48 or any lesser amount from the United States National Bank of Oregon, dated June 14, 1971.

12. Diamond Drilling Bids from the following five companies:

Arctic Diamond Drilling Ltd., P.O. Box 3204, Whitehorse, Yukon Territory, Marwell Area, Phone 668-2440, dated May 20, 1971.

Northwest Exploration Services, Inc., 3944 Spenard Rd., Anchorage, Alaska 99503, Telephone 279-4711, dated June 2, 1971.

Midwest Drilling, 860 King Edward Street, Winnipeg 21, Manitoba, Telephone(204) 775-7081, dated June 3, 1971.

The Electro-Mechanics Company, P.O. Box 1546, Austin, Texas 78767, Telephone (512) 345 2660, dated May 24, 1971.

C.M. Inc., U.S. Address; P.O. Box 1159, Kalispell, Montana 59901. Canadian Address; 619-475 Howe St., Vancouver 112, B.C., Telephone (604) 685-2261, dated May 17, 1971.

It appears to us that the Bid by Arctic Diamond Drilling Limited is the most favorable since there is no mobilization or demobilization charge for equipment in Anchorage.

We agree that the application concerning purchase of equipment be amended by dividing the total cost of the equipment into sixty months and multiplying the monthly rate by three months, or the number of months the equipment is to be used for the project.

Personnel is available to carry out the contract in Alaska. The unemployment rate is 15.1% and there are 17,300 unemployed out of a civilian work force of 114,700. In addition we have had many applications from college students seeking employment in Alaska.

We also wish to supplement our application with the Division of Mines and Geology Confidential Property Examination Report #74-2 by Robert E. Anderson, Mining Engineer, which is also enclosed herewith. Mr. Anderson was formerly with the Anaconda Mining Company. From his report it appears that the vein systems probably have continuity and in our view there is a probability of delineating ore body or ore bodies within this highly mineralized zone in a new district discovered by the U.S.G.S. under the heavy metals program.

We appreciate your cooperation in this matter.

Very truly yours,

William B. Murray

WBM:kl
cc: Mr. Harold Kirkemo, Chief OME.
Mr. Charles K. Shanks
Enclosures

THE ALASKAMIN COMPANY
108 WEST EVERGREEN BOULEVARD
VANCOUVER, WASHINGTON 98660

TELEPHONE 695-4421
702 Failing Building
Portland, Oregon 97204

OFFICIAL
COPY
O. M. E.
RECEIVED
JUN 1(1971

INITIALS	CODE
CAC	120
	~~130~~
	120

Mr. Harold Kirkemo, Chief
Office of Minerals Exploration
U. S. Department of the Interior
Washington, D. C. 20240

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Sir,

We wish to thank you very much for your prompt consideration of our application for contract to explore our silver deposits in the Bowser Creek drainage, McGrath A-2 Quadrangle, Alaska.

We left with the Menlo Park office the report of Robert Anderson, M.E., (1968) Division of Mines and Geology, Confidential Property Examination Report # 74-2, a copy of which is enclosed.

The primary purpose of our drilling program is to prove continuity of the veins in a rather extensive mineral zone, both north and south of Bowser Creek.

We would appreciate your holding our application in abeyance to give us opportunity to submit the data which Mr. Smith recommended.

Thanking you again for your courtesy in this matter, I am

Very truly yours,

William B. Murray

WBM:k
encl: Anderson report

June 7, 1971

Mr. Harold K. Stager
Office of Minerals Exploration
U. S. Department of the Interior
345 Middlefield Road
Menlo Park, California 94025

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Dear Sir,

We appreciate your expeditious consideration of our application for exploration contract to explore our Bowser Creek silver deposit in the McGrath A-2 quadrangle, Alaska. We had hoped to obtain a contract for this season, but if this is not possible, your continued processing of our application for next season will be appreciated.

Mr. Smith's comments were helpful and appreciated. We will send the following:

1) Correspondence with banks showing our application for loans in the exact amount of the Government's participation: 75% for silver.

2) 800' scale map showing corrected length of claims as 1500', instead of 650', property boundaries with respect to exploration work, which shall not be closer than 100' from any exterior boundary line of the block of claims subject to the contract, geologic targets, location of drill holes, mineral showings, summary of assays.

3) Plans and sections of each proposed drill hole, with separate details.

4) Assay plans.

5) Computation of the allowable amount for equipment to be purchased, computed on the basis of dividing the purchase price by 60 months, the useful life of the equipment, to arrive at the monthly rate, and multiplying by the number of months the equipment is to be used for the project.

With kindest regards, I am

Very truly yours,

William B. Murray

WBM:k
cc to Mr. Harold Kirkemo, Chief, OME

DIVISION OF MINES AND GEOLOGY

CONFIDENTIAL

PROPERTY EXAMINATION REPORT

#74-2

GEOLOGICAL OBSERVATIONS AND COMMENTS

ALASKAMIN BOWSER CREEK PROSPECT

MCGRATH A-2 QUADRANGLE

by

ROBERT E. ANDERSON
MINING ENGINEER

September 4, 1968

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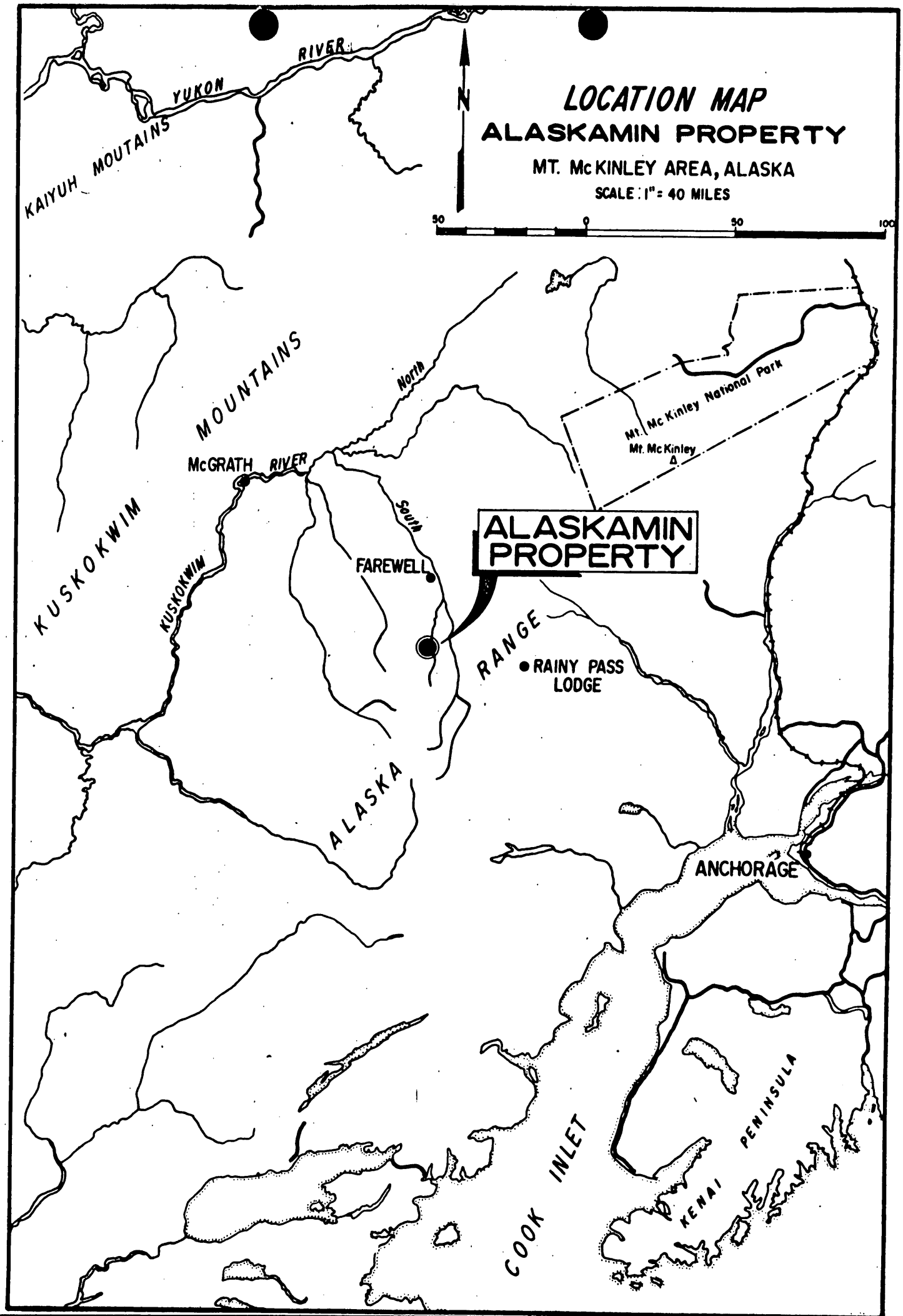

LOCATION MAP
ALASKAMIN PROPERTY
MT. McKINLEY AREA, ALASKA
SCALE: 1" = 40 MILES
50
0
50
100
N
YUKON
RIVER
KAIYUH MOUTAINS
MOUNTAINS
KUSKOKWIM
KUSKOKWIM
McGRATH
RIVER
North
South
FAREWELL
ALASKAMIN PROPERTY
RANGE
ALASKA
RAINY PASS LODGE
Mt. McKinley National Park
Mt. McKinley
ANCHORAGE
COOK INLET
KENAI
PENINSULA

GEOLOGICAL OBSERVATIONS AND COMMENTS
ALASKAMIN BOWSER CREEK PROSPECT

CONFIDENTIAL

Introduction

Early in 1968 the U.S.G.S. released Circular 559, "Lead, Zinc and Silver Deposits at Bowser Creek, McGrath A-2 Quadrangle, Alaska." As soon as this circular reached the public, Alaskamin, an Oregon corporation, had a man flown into the area to begin staking claims.

The notes and sketches regarding the claims are not to be considered completely accurate in dimension or scope. They are the results of a cursory appraisal of observations made August 21 through 23, 1968, when I visited the exploration camp of Alaskamin.

While this organization had over 417 claims, they were, at the time of this visit, concentrating their principal efforts in the Bowser Creek area as covered by U.S.G.S. Circular 559.

Location

Bowser Creek is an east-flowing tributary of Post River, which in turn flows north into the south fork of Kuskokwim River. The area is located approximately 25 miles south of Farewell, an F.A.A. station.

History

Before the work of B. L. Reed and R. L. Elliott of the U.S.G.S. in their Geological Survey Circulars 559 and 569, very little geologic information was available on this section of Alaska. The only previous work was in 1911 when A. H. Brooks of the G.S. traversed the Alaska Range via the south fork of the Kuskokwim River.

Alaskamin, after staking the area and doing some preliminary work, interested Homestake Mineral Development Company of Vancouver, B. C. in the property. L. G. White, Manager, and J. Buchholz, Geologist, of Homestake visited the property in the middle of June 1968. In Mr. Buchholz's report he stated Homestake's interest when he wrote: "It is concluded that the known silver-lead-zinc showings on Bowser Creek warrant further exploration work."

Subsequently, Homestake made an agreement with Home Oil Company of Canada and Granby Mining Company of Canada in some form of joint venture whereby Granby and Home Oil have taken over further exploration of the property and have an option with Alaskamin to acquire the claims for a stock exchange.

Alaskamin and Granby-Home spent $100,000 each in the 1968 exploration of Bowser Creek and Post River.

Observations - South side Bowser Creek

Trenching through the talus slopes and highly altered surface exposures in about eight places, mostly in sections 6, 8, and 9, indicates a possible ore body lying in the vicinity of the cross section in section 9 and it probably does not extend laterally beyong the cirque.

At the time of the investigation, it appeared that little attention had been paid to the country rock.

Assuming that mineralization is limited to veins and the area of the contact with the felsite dike, this side of Bowser Creek would not yield sufficient tonnage alone for development. However, it would add "sweetening" if it were developed because of mineral occurrences on the other side of the creek.

Mineralization in this section occurs in veins which are associated with felsite dikes and which lie outside the area of metamorphism caused by the intrusions. The dikes follow the bedding trend of N 15° E and have altered the limestone in contact with the dikes to chert. Chert grades into a cherty limestone within 5 to 10 feet and except in the "bowl" part of the structure the chert is barren of mineralization. Mineralization occurs close to, or in contact with, the cherty limestone, probably on both sides of the felsite dike. As shown in the cross section, the most promising mineralized area of the southwest side of Bowser Creek is the small synclinal structure, forming a "bowl" at lower elevations just above the lower talus slope. The structure changes to a simple monocline within 150 feet above the talus slope.

No attempt has been made yet to expose the dike and related beds downstream on the left side of the "bowl" where beds are covered by talus. I would expect that mineralization there would be similar to that above the "bowl" concentration of sulfide minerals. Sulfide mineral concentrations in the veins vary from 2% sulfides up to nearly solid sulfide concentrations. The changes where observed are very abrupt. Regardless of the concentrations the ratio of sulfide minerals remained in fairly constant relationship.

Approximate ratio of the major sulfide minerals observed were:

Galena	60
Sphalerite	30
Pyrrhotite	10

Roughly the same mineral relationships can be seen in the top trench at about 5000 feet elevation and the bottom trench at about 4200 feet elevation, indicating no major zoning trend with depth in this area.

North side Bowser Creek

Work had just begun on this side of the creek. Each of the four trenches on the lower part of the hill exposed veins, all steeply dipping and striking about N 55° E. Between the trenches and the few rock exposures showing through the extensive talus there appears to be at least 8 veins, 75 feet to 250 feet apart, varying in thickness up to about 12 feet. At least two veins can be traced along their strike into the next drainage to the north. Each vein seems to pinch and swell sporadically, and the sulfide mineralization along the vein stops and starts abruptly. The veins where exposed show a dark brown to red brown iron staining, but usually within a foot or two of the surface the sulfide minerals are only slightly altered.

The veins that strike N 55° E are cut off on the west by a felsite dike and associated veinlets which dip steeply and strike roughly N 15° E and which are apparently related to those on the southwest side of the creek. Mineralization of the N 55° E veins is higher in galena and lower in sphalerite than the veins on the southwest side of Bowser Creek. Apparently the felsite dikes and associated

mineralization are younger than the N 55° E veins. It would be interesting to study the contact between the two systems, but no trenching had been done along the dike to expose contacts.

Approximate ratio of major sulfide minerals observed were:

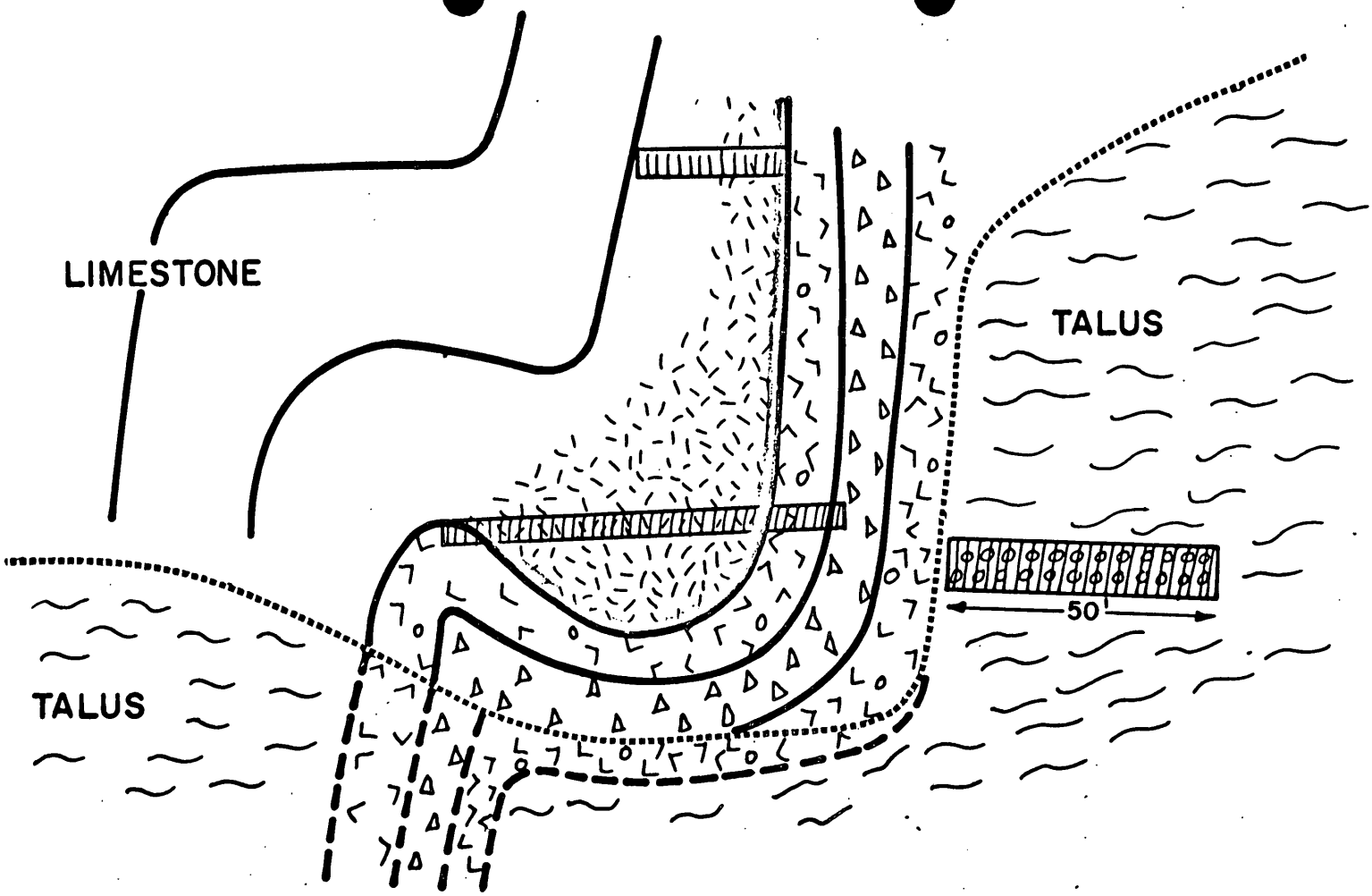
Sphalerite	70
Pyrrhotite	20
Galena	10

Silver assays of the veins range from 2 oz. per ton to as high as 50 oz. per ton. Again, there has been no attention paid to the country rock between veins.

North of Bowser Creek Drainage

Daily a crew of two to three prospectors was sent out to investigate claims to the north of Bowser Creek. In talking with them, I found they had come across prominent copper mineralization in the Hippie Creek area. Samples which I observed were principally bornite with minor chalcopyrite. The prospectors indicated that some of the samples came from float, but most were vein occurrences. They did not indicate the size of the veins.

Robert E. Anderson, Mining Engineer
Division of Mines and Geology
September 4, 1968



LEGEND

TRENCH

FELSITE DIKE

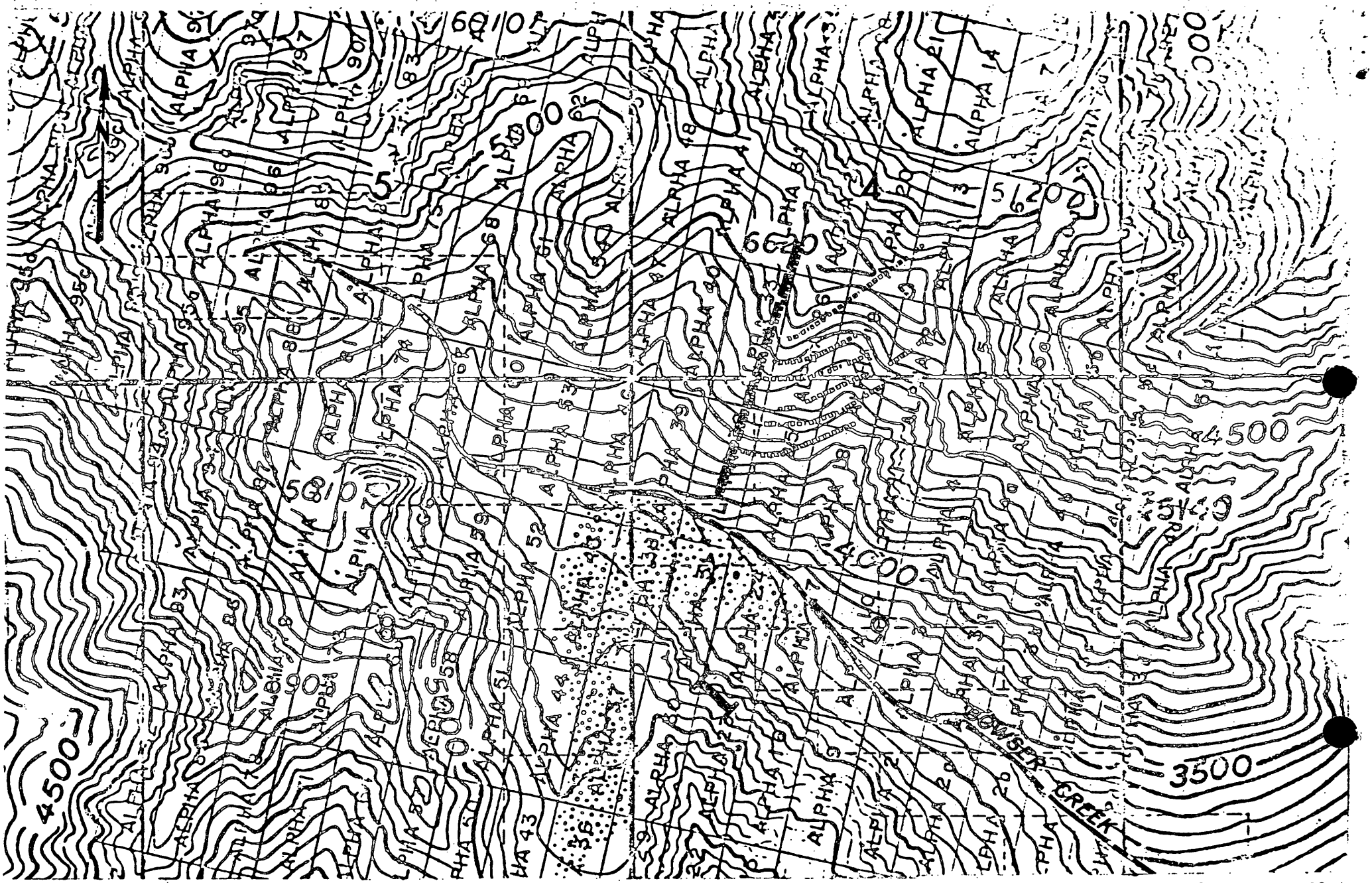
CHERT TO
CHERTY LIMESTONE

MINERALIZED AREA
AV. = 6 oz. Ag
4% Zn
3% Pb

MINERALIZED AREA
NO ASSAYS BUT SHOWS
GOOD POTENTIAL

HIGHLY ALTERED
SHEAR VEIN 4" THICK
UP TO 310 oz. SILVER

SOUTH SIDE BOWSER CREEK
CROSS SECTION



0 .25 .50 .75 1.0mi

SCALE

Contour Int. = 100'

Legend

- Cross Section
- Possible Vein Locations
- Felsite Dike

OBSERVATION MAP

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY
Office of Minerals Exploration
345 Middlefield Road
Menlo Park, California 94025

May 27, 1971

JUN 1 1971
INITIALS | CODE
HK 1120
Cae 1120

Memorandum

To: Chief, Office of Minerals Exploration
Washington, D. C.

From: Field Officer
Region II

Subject: New Application OME-6850 (Silver)
The Alaskamin Company
Alpha Group of Claims
Mt. McKinley Recording District, Alaska

The subject application was received in this office on May 24, 1971, with a copy of the Applicant's letter transmitting a duplicate copy to OME, Washington, D. C.

The Applicant's attorney, Mr. W. B. Murray, visited the Field Office on May 27 to discuss the proposed project. OME requirements relating to the following numbered items in the application were brought to his attention.

1(a). Financial Eligibility:

Bank letters request a loan of $200,000 whereas the OME request is for $94,930 (Government's contribution).

2(b). Applicant's Rights in Land:

The claims, as illustrated, range in length from 1,500 to 1,650 feet.

The locations of proposed drill holes in relation to the boundaries of the project area are not illustrated. In the S-1 and N-2 areas additional claims may be required.

3(d). Physical Description:

The Applicant's computations of width and grade are suspect. Sampling evidently is neither systematic nor continuous in all instances, and in one instance (p. 31) three sample widths across the same 6- to 12-inch high-grade lens (13 feet long) were added to a fourth (11.5 feet) from somewhere nearby to arrive at a total of 20 feet averaging 50 oz. Ag. Also in this computation a width of 6 feet was used for a sample that represents 6 inches.

Except for the "Hot spot" in area S-1, which is predominately silver-lead, all areas to be explored show mainly zinc mineralization.

5(a). Exploration Work:

The purpose of the proposed drilling is partly exploratory and partly prospecting.

Holes 1 and 3 (S-1 zone), 6, 7, and 8 (N-2 zone), 9 (N.W. zone), and possibly 10 and 11 (Headwater zone) appear to have geologic targets. Holes 2, 4, and 5, and probably 10 and 11 appear to be wildcats. (Holes 1, 2, 3, 4, and 5 are plotted on Figure 4, p. 39, at a dip of 55°, instead of 35° as stated.)

The proposed electromagnetic survey and geologic mapping are for the purpose of finding targets to explore. The results might furnish data on which to base an exploration program--and to support an OME application.

The Applicant's numerous maps do not have tie-points and cannot be correlated. An exploration map (about 800 scale) is needed showing:

1. Property boundary

2. Geologic targets including mineral showings, assay map, and E-M anomalies

3. Proposed drill holes

7. Estimate of Costs:

(a) Drilling costs are based on the maximum rate of $10/ft., which is for NX hole.

(d) Operating equipment is included at full purchase price rather than at depreciation rates.

We suggested to Mr. Murray that the company may prefer to complete the geologic mapping and E-M survey at its own expense this summer; then redesign the drilling program and submit a revised proposal this fall. By so doing, the program could proceed without delay. Otherwise, all work will be held up waiting for OME approval, which could take all summer, or might finally be denied, which would result in a year's lost time.

We consider that part of the work is prospecting, which is not eligible for OME assistance.

We conclude from the small discontinuous showings that the probability of a significant discovery by the drill holes proposed is very small. Additional prospecting might change the picture.

Mr. Murray concurred in the foregoing suggested procedure and requested that the application be held in abeyance until additional information is acquired this summer and submitted this fall. He will formalize the request in a letter to OME.

R M Smith

for H. K. Stager

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5/27		120
		120M

AIRMAIL

MAY 27 1971

Memorandum

To: Field Officer, Region II

From: Chief, Office of Minerals Exploration

Subject: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

The subject application is referred to you for review and recommendations.

As the deposit was discovered by Survey geologists on the Heavy Metals Program and you are discussing the proposed project with these geologists, a field examination may be unnecessary. I understand that Mr. William B. Murray, Portland, Oregon, who represents the applicant, discussed the proposal with you recently.

In the event you recommend a contract, the applicant should submit new loan requests to the banks. In letters to the banks, the applicant requested a loan of $200,000 whereas the estimated total cost of the project is about $126,575 of which the operator's share at 75 percent would be about $95,000. The loan request should be for the latter amount. No doubt the banks would deny the request but the exercise fulfills a requirement of the program.

Harold Kirkemo

Harold Kirkemo

cc: Director's reading file
Mineral Resources
OME reading file
Mr. Kirkemo
130

HKirkemo/cac 5-27-71

MME Form 7
(2/63)

OFFICIAL FILE COPY

Date	Surname	Code
5227		120
		120M

MAY 27 1971

AIRMAIL

The Alaskamin Company
Seventh Floor
618 S. W. Fifth Avenue
Portland, Oregon 97204

Re: OME-6850 (Silver)
The Alaskamin Company
Bowser Creek Property
McGrath Quadrangle, Alaska

Gentlemen:

Your application for financial assistance to explore the Bowser Creek Property has been reviewed by the Washington Office and referred to Mr. H. K. Stager, Field Officer, Region II, Office of Minerals Exploration, U. S. Geological Survey, Building 2, 345 Middlefield Road, Menlo Park, California 94025.

We understand that Mr. William B. Murray, representing The Alaskamin Company, recently discussed the application with Mr. Stager in Menlo Park. If additional information is needed, Mr. Stager will notify you.

Sincerely yours,

Harold Kirkemo

Harold Kirkemo

cc: Director's reading file
Mineral Resources
OME reading file
Region II
Mr. Kirkemo

HKirkemo/cac 5-27-71

May 24, 1971

The Alaskamin Company
Seventh Floor
618 S. W. Fifth Avenue
Portland, Oregon 97204

Subject: OME-6850

Gentlemen:

Your application for exploration assistance, dated May 20, 1971, submitted to our office at Washington, D. C., has been assigned Docket No. OME-6850.

Please identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Harold Kirkemo
Chief, Office of
Minerals Exploration

Copy to Region II