

6403

177-#222-# 6-02

1977 ASSESSMENT REPORT

TITLE Diamond Drilling Report
Bell Molybdenum Property

CLAIMS R4, G5, G8, G9, FUBAR 3,
FUBAR 4,

COMMODITY Mo

LOCATION Six Miles East-South-East of Alice Arm
Latitude 55°28'N Longitude 129°20'W

SKEENA MINING DIVISION

NTS 103P/6W

BY Kent E. Card

FOR Climax Molybdenum Corporation British
Columbia, Limited

WORK PERIOD June 17, 1977 to July 15, 1977

September 8, 1977

Vancouver Office

<p>MINERAL RESOURCES BRANCH</p> <p>ASSESSMENT REPORT</p> <p>NO. _____</p>

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ILLUSTRATIONS

FIGURE 1 - Location & Claim Map	in pocket
FIGURE 2 - Diamond Drill Hole Location Map	in pocket

GENERAL STATEMENT

During the period from June 17, 1977 to July 15, 1977 2,906 feet of diamond drilling was completed on the Bell Molybdenum Property, located in the Skeena Mining Division.

The work was done on the Southwest Zone of the Bell Molybdenum claim group, to test for molybdenite mineralization.

LOCATION AND ACCESS

The Bell Molybdenum Property is located at an elevation of 2,300 to 2,700 feet, six miles east-south-east of the town of Alice Arm, B.C. Approximate coordinates for the centre of the property are Latitude 55°28'N and Longitude 129°20'W.

The claims are accessible from the seaboard townsite of Kitsault by a 4½ mile road, a one mile boat trip across Clary Lake, and a 1½ mile Bombardier trail over hilly, boggy terrain.

PREVIOUS WORK

The R#4, G#5, G#8, G#9, FUBAR #3, and FUBAR #4 mineral claims make up the southernmost portion of a large group of claims initially staked by Mastadon-Highland Bell Mines Ltd. in 1965. A program of geological mapping and geochemical soil and silt sampling was carried out in the same year.

Bell Molybdenum Mines was formed in 1966, and twelve NQ diamond drill holes were completed to initially test the mineralization and intrusive stock contacts at depth. The program resumed in 1967 with an additional 24 BQ holes, drilled on a 400 foot grid spacing.

Climax Molybdenum Corporation of British Columbia, Limited optioned the property in 1975. During the summer months the property was restaked using the Modified Grid System and geologically remapped in preparation for a diamond drill program which took place in 1976. During 1976 eight BQ diamond drill holes were completed, seven of which were located on the Southwest Zone of the property.

DIAMOND DRILL PROGRAM

A diamond drilling contract was awarded to Tonto Drilling Company of 1215 West 7th Avenue, Vancouver, B.C. for a minimum of 10,000 feet of BQ core (1-7/16" diameter).

Drilling operations on Hole 77B-1 commenced on June 17th and terminated on July 2nd, 1977. Hole 77B-2 was completed during the time from July 3rd to July 15th, 1977. 1,402 feet from Hole 77B-1 and 1,504 feet from Hole 77B-2 gave a total footage of 2,906 feet.

Hornfelsed Bowser sedimentary rocks and porphyritic quartz monzonite dykes were encountered in both drill holes. Mineralization included pyrrhotite, pyrite and molybdenite.

Results of this portion of the program are represented by the logs in Appendix IV to this report.

DDH 77B-1 and 77B-2 are located on the R #4 mineral claim.

Drill core has been split and the remaining half is stored at a camp 1200 metres to the northeast of the drill hole locations.

September 8, 1977

A handwritten signature in cursive script that reads "Kent E. Card". The signature is written in dark ink and is positioned above a horizontal line.

Kent E. Card

STATEMENT OF QUALIFICATIONS

Kent E. Card, c/o P.O. Box 696, Smithers, B.C.

B.Sc. Geology - University of British Columbia (1968)

AMAX Exploration, Inc. - May 1, 1968 - Exploration
Geologist

Climax Molybdenum Corporation of British Columbia,
Limited- June 1, 1970.

Detailed underground exploration geology at Hudson Bay Mtn.
Molybdenum Deposit, Smithers, B.C. 1970 - 1974.

Conducted diamond drill program and detailed geological
work at former British Columbia Molybdenum Mine, Kitsault,
B.C. - 1974.

Conducted geological mapping program on the Bell Molybdenum
Mines Property, 1975.

Conducted diamond drilling program on Bell Molybdenum Mines
Property, 1976.

TABLE I

CLAIM STATUS

<u>Claim Name</u>	<u>Record Number</u>	<u>Expiry Date</u>	<u>Group</u>
R #1 (9 units)	99	July 24, 1978	B
R #2 (9 units)	100	"	C
R #3 (4 units)	101	"	C
R #4 (6 units)	102	"	A
R #5 (9 units)	103	"	
G #1 (4 units)	104	July 24, 1983	B
G #2 (3 units)	105	July 24, 1981	B
G #3 (4 units)	106	"	B
G #4 (3 units)	107	"	B
G #5 (6 units)	108	July 24, 1983	A
G #8 (12 units)	111	"	A
G #9 (4 units)	112	"	A
FUBAR #1 (6 units)	116	Aug. 8, 1977	B
FUBAR #2 (9 units)	117	Aug. 8, 1981	C
FUBAR #3 (3 units)	166	Oct. 22, 1983	A
FUBAR #4 (6 units)	167	Oct. 22, 1983	A

APPENDIX I

STATEMENT OF COSTS

Period of Work - June 17, 1977 to July 15, 1977

Summary of Work

DDH 77B-1, 77B-2 - 2906 feet by Tonto Drilling Company
1215 W. 7th Ave., Vancouver, B.C.
Invoice No. 4144C and 4147C \$58,873.02

\$24,800 of this work is to be applied as four years
assessment work each on G5, G8, G9, FUBAR 3 and 4

APPENDIX II

CONTRACT

DRILLING SERVICES AGREEMENT

THIS AGREEMENT, made this 27th day of June, 1977, between CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA, LIMITED, a Delaware corporation qualified to do business in British Columbia (hereinafter referred to as "COMPANY"), and TONTO DRILLING COMPANY, 1215 West 7th Avenue, Vancouver, British Columbia (hereinafter referred to as "CONTRACTOR");

W I T N E S S E T H:

That in consideration of the mutual covenants and agreements herein contained the parties hereto covenant and agree each with the other as follows:

1. Work Included.

CONTRACTOR shall furnish all material and perform all of the following work:

- a. Diamond drilling at COMPANY's Bell Moly property, which is situated approximately 90 air miles northeast of Prince Rupert, British Columbia, Canada.
- b. The COMPANY estimates a minimum of 10,000 feet of diamond drilling will be required in a series of at least eight (8) holes of a maximum length of about 2,000 feet measured from top of casing.
- c. The drilling shall be conducted so as to produce maximum core recovery with every reasonable precaution taken to prevent crushing, wearing, or grinding of core. All cores recovered by CONTRACTOR shall be carefully marked in ten-foot intervals and placed in receptacles furnished by COMPANY.
- d. In the event that cavities or loose and caving materials are encountered of a nature as to prevent the successful completion of any hole,

CONTRACTOR does not, under such conditions, guarantee to drill to a pre-determined depth; and in the event that it becomes necessary to abandon the hole, COMPANY agrees to pay for such uncompleted holes at the rate herein specified for all footage completed. If required by COMPANY to continue the hole, CONTRACTOR may elect to be paid standby rate plus all required materials and supplies at CONTRACTOR's delivered cost. Standby rate shall be payable for continued work on such hole after delivery to COMPANY of such election in writing, and no payment based on footage shall be made for footage drilling in such hole thereafter.

- e. CONTRACTOR shall perform the work as a continuous programme, unless otherwise requested by COMPANY from time to time, diligently and in a workman-like manner, and all workmanship and materials incorporated in the work are to be of the best quality for the purpose and use intended.
- f. The COMPANY may at any time, in its sole discretion, change the inclination and length of any or all of the drill holes described hereinabove, and it may add or delete holes from the work, provided that the COMPANY does not diminish materially the estimated minimum footage. The COMPANY shall give CONTRACTOR advance notice of such changes in the work. Standby time awaiting instructions from the COMPANY shall be charged to the COMPANY at the rates set forth in Exhibit A.
- g. The minimum work schedule shall consist of two (2) ten-hour shifts, six (6) days per week.
- h. CONTRACTOR shall furnish to the COMPANY daily drilling operation reports in a form satisfactory to the COMPANY.

- i. CONTRACTOR shall prevent accumulation of waste material or rubbish and shall clean up drill sites to the satisfaction of the COMPANY upon completion of work at each site. This shall be done at no charge to COMPANY.
- j. CONTRACTOR shall furnish room and board for all its employees on the work.
- k. CONTRACTOR shall furnish a vehicle for personnel transportation between Cleary Lake and the Kitsault townsite.
- l. CONTRACTOR shall prepare drill sites.
- m. CONTRACTOR shall prepare drill and equipment in approximately 800 pound units that can be transported by a Jet Ranger helicopter, and shall present them at the dock at Alice Arm for such transportation to Kitsault.

2. Work Not Included

COMPANY shall supply at no cost to CONTRACTOR, the following only:

- a. Equipment for the transportation of drill and ancillary equipment from the dock at Alice Arm to the first drill site (and campsite) and from the last drill site (and campsite) to the dock at Alice Arm.
- b. Although CONTRACTOR is responsible for moving drill equipment between drill sites on the Bell Moly property, COMPANY will provide helicopter assistance.
- c. One boat on Cleary Lake for transportation of personnel across lake. CONTRACTOR must maintain boat.
- d. Core boxes.
- e. General clearing of drill sites.

3. Fuel

COMPANY shall supply to CONTRACTOR diesel fuel and

gasoline at the proposed drill sites. CONTRACTOR shall reimburse COMPANY the cost of such fuel f.o.b. Kitsault.

4. Payment

a. COMPANY shall pay CONTRACTOR for the due performance of the work at the rates and bases set forth in Exhibit A. CONTRACTOR shall present invoices to COMPANY, to the attention of Roger Steininger, with a copy to Kent Card at jobsite, semi-monthly and payment shall be made by COMPANY as follows:

- (1) Eighty-five percent (85%) thereof within thirty (30) days after the date such approved invoice is presented; and
- (2) On completion of the entire work and one (1) day after all liens and rights have expired, the balance due under this Agreement.

b. Charges listed in Exhibit A are based on drill costs that are currently prevailing in the industry. During the project it may be necessary to adjust charges upward to compensate for costs over which CONTRACTOR has no control. In such event, CONTRACTOR shall submit to COMPANY properly documented calculations justifying the increase on a cost basis. If COMPANY deems these increases to be excessive, this Contract may be terminated.

5. Compliance with Law

CONTRACTOR shall observe fully and comply with all statutes, laws, by-laws, ordinances, and regulations of any competent authority for the time being in force relating or applicable to the work or the performance of CONTRACTOR's obligations hereunder including, but not limited to, Worker's Compensation and Unemployment Insurance, and Provincial Mining Regulations.

6. Indemnity

CONTRACTOR agrees to save, indemnify, and hold the COMPANY harmless from and against any and all claims, demands, suits, and actions of anyone not a party to this Agreement, including without limitation CONTRACTOR's employees, agents, and licensees for loss, injury, damage, or liability of any kind whatsoever arising directly or indirectly out of CONTRACTOR's performance of this Agreement.

7. Insurance

CONTRACTOR shall take out and maintain during the life of this Agreement comprehensive general liability, including contractual liability, and comprehensive automobile liability insurance. Minimum amounts required are:

a. Comprehensive General Liability:

Bodily Injury: \$ 500,000 each person
 \$1,000,000 each accident
Property Damage: \$ 500,000 each accident

b. Comprehensive Automobile Liability:

Bodily Injury: \$ 500,000 each person
 \$1,000,000 each accident
Property Damage: \$ 500,000 each accident

If CONTRACTOR should fail to take out and maintain such insurance, the COMPANY may do so, and all costs and expenses in respect thereto shall be paid to the COMPANY forthwith. CONTRACTOR shall provide to the COMPANY a certificate evidencing the existence of such insurance coverage before commencement of the work hereunder. Such certificate shall provide that such insurance shall not be cancelled without at least ten (10) days' notice to Company.

8. Liens

CONTRACTOR shall pay and satisfy as and when the same become due, all claims against CONTRACTOR which might constitute or give rise to a lien of any of the property, real or personal, of the COMPANY, and keep said property free of liens; and in default thereof, the COMPANY may pay the same without the prior consent of CONTRACTOR and deduct the same from the moneys payable to CONTRACTOR hereunder.

9. Conditions of Work

CONTRACTOR acknowledges that prior to the execution hereof, it has not examined the site of the work, but is experienced in diamond drilling operations in remote locations similar to the site of the work. The payment provisions of this Agreement have been submitted to the COMPANY based upon the experience of CONTRACTOR, who agrees to waive any claim or additional compensation if the conditions under which it will be obliged to operate or which in any manner affect the work hereunder are not as expected.

10. Termination

If CONTRACTOR fails to perform any of its obligations hereunder or commits any act of bankruptcy, the COMPANY may forthwith terminate this Agreement. Payment to CONTRACTOR will be made after the completion of the whole work and for only that part of the work completed by CONTRACTOR in accordance with this Agreement, less the mobilization fee described in paragraph B-1, Exhibit A.

11. Independent Contractor Relationship

CONTRACTOR is and shall be in the performance of all work under this Agreement an independent contractor; and all employees or agents of CONTRACTOR are and shall be and remain at all times employees or agents of CONTRACTOR and shall not in any way at any time be or become or be deemed to be employees or agents of COMPANY.

12. Contractor's Supervision and Personnel

CONTRACTOR shall give the work such constant attention and supervision as is necessary to facilitate the progress thereof and to maintain good order and discipline among its personnel at all times. CONTRACTOR shall at all times have on the work a competent representative, capable of understanding thoroughly the work to be performed under the Agreement, who shall be responsible for coordinating communications and transactions under this Agreement between COMPANY and CONTRACTOR. CONTRACTOR shall provide qualified drill personnel. In the event that COMPANY in its sole judgment determines that any of CONTRACTOR's personnel assigned to the work is incompetent, uncooperative, or otherwise unfit to perform the services required of him, it may request CONTRACTOR to replace such person, and thereupon CONTRACTOR shall do so promptly.

13. Confidential Information

CONTRACTOR shall not divulge or use any information concerning drilling results or permit access to, or examination of, the drill core by any person not specifically authorized by the COMPANY, and

this provision shall survive the termination of completion of work under this Agreement for a period of ten (10) years.

14. Other Contractors

The COMPANY may award other contracts for additional work at its Bell Moly or Kitsault properties. CONTRACTOR shall cooperate fully with such other contractors and carefully fit its own work to that provided under the other contracts as may be requested by the COMPANY. CONTRACTOR shall not commit nor permit any act which will interfere with the performance of work by any other contractor.

15. Company Work

The work under this Agreement may be in an area adjacent to COMPANY operations. CONTRACTOR shall cooperate fully with the COMPANY and fit its own work to that of the COMPANY. CONTRACTOR shall not commit nor permit any act which will interfere with the performance of work by the COMPANY.

16. Assignments

CONTRACTOR shall not assign or subcontract all or any of its interest in or rights under this Agreement without the prior written consent of the COMPANY, and any attempt to do so shall render this Agreement voidable at the option of the COMPANY.

17. Notices

Any written notice to be given to COMPANY hereunder may be given by delivery or by prepaid, registered post addressed to Mr. E. W. Peiker, Jr.,

with a copy to Roger Steininger, Climax Molybdenum Corporation of British Columbia, Limited, 13949 West Colfax Avenue, Golden, Colorado 80401, and to CONTRACTOR at its above address; and if mailed, it shall be deemed to have been given within twenty-four (24) hours after the date of mailing.

18. Time is of the essence in this Agreement. CONTRACTOR shall commence work on or about June 15, 1977. Estimated completion date is October 15, 1977. Notwithstanding the foregoing, the terms of this Agreement shall control generally work done by the CONTRACTOR for the COMPANY in the vicinity of Kitsault during the period of June 1, 1977, to May 31, 1978.

19. Force Majeure

If either the COMPANY or CONTRACTOR is delayed or hindered in or prevented from the performance of any term, covenant, or agreement herein contained by reason of Acts of God, the public enemy, governmental order, strikes, or any cause beyond its reasonable control, then the performance thereof shall be excused for a period equivalent to the period of actual delay, hinderance, or prevention; provided, that such party takes all reasonable steps to minimize the delay, hinderance, or prevention.

20. Successors

This Agreement shall enure to the benefit of and be binding upon the parties hereto and their respective successors and assigns, but this does not authorize assignment by CONTRACTOR without the consent of the COMPANY.

21. This Agreement incorporates all prior representations and agreements of the parties and constitutes the entire agreement with respect to the work. No reference shall be made to or claim based upon any statement, understanding, or agreement, whether oral or written, not contained herein.

IN WITNESS WHEREOF, the parties hereto have executed these presents the day and year first above written.

CLIMAX MOLYBDENUM CORPORATION
OF BRITISH COLUMBIA, LIMITED

By *A. J. Nuttle*
Title _____

TONTO DRILLING COMPANY

By *M. Harsen*
Title *Manager*

EXHIBIT A

to

DRILLING SERVICES AGREEMENT

A. Diamond drilling with Longyear Super 38 or equivalent; footage rate to be charged to COMPANY as follows:

1. For drilling overburden:

<u>Length</u>	<u>Unit Price</u>
0 feet to 30 feet	\$14.90 per foot
30 feet plus	\$14.90 per foot or \$47.00 per hour
Triconing up to 300 feet below lavas using 3 15/16" tricone.	\$15.65 per foot
Beyond 300 feet below lavas	\$47.00 per hour, plus chargeable consumables.

The cost of casing shoes will be charged at CONTRACTOR's third-party invoice cost plus ten percent (10%).

2. For drilling any vertical or angle hole to a minimum angle of 45°.

<u>Length</u>	<u>HQ & HW*</u>	<u>Unit Price Per Foot</u>	
		<u>NQ</u>	<u>BQ</u>
0 feet to 500 feet	\$16.65	\$14.90	\$13.90
500 feet to 1000 feet		15.50	14.50
1000 feet to 1500 feet		16.25	15.25
1500 feet to 2000 feet		17.25	16.25
2000 feet to 2500 feet		18.75	17.75

*HW drilling is for overburden only.

B. Extra items to be charged to COMPANY:

1. Mobilization and demobilization, which includes the transportation of drill equipment, supplies, and personnel, from CONTRACTOR's warehouse to the dock at Alice Arm, and from the dock at Alice Arm to CONTRACTOR's warehouse. COMPANY agrees to supply trucks, a helicopter, etc., to aid in the mobilization-demobilization from and to the dock at Kitsault at no cost to CONTRACTOR. Mobilization-

demobilization, lump sum (one-half paid after move-in and one-half paid when job is completed).....\$7,000.00

COMPANY further agrees that the movement of CONTRACTOR's men, equipment, and supplies from the dock at Kitsault to the first drill site, including setting up at first drill site, and teardown and return from last drill site to the dock at Kitsault shall be performed at the following per hour rate.....\$ 47.00

2. Cementing or hole stabilization, per hour....\$ 47.00
 Waiting for cement to set shall be charged on a standby basis (max. 8 hours/day).....\$ 47.00
3. Reaming, per hour.....\$ 47.00
4. Standby when caused or ordered by COMPANY, per hour.....\$ 47.00
5. Travel time: Should the time required for the drill crew to travel from camp to drill site and return exceed one hour per shift, the time greater than one hour per shift shall be charged, per man hour.....\$ 18.50
6. It is understood that the hourly rate used for cementing, reaming, standby, and moving time includes the labor of a two-man crew, supervision, machine, and equipment rental.
7. Moving: The cost of moves between drill sites shall be borne by CONTRACTOR, but should moves between holes exceed 10 machine crew-hours, the excess above 10 machine crew-hours shall be charged, per hour.....\$ 47.00
8. Water lines: CONTRACTOR shall be paid only for the time required to install and remove that part of the water line which exceeds 750 lineal feet or 200 vertical feet at any one drill site, per hour.....\$ 47.00

Additional time spent on operation and maintenance of any water line which exceeds 750 lineal feet or 200 vertical feet any one drill site, per hour.....\$ 47.00

9. Construction and dismantling of CONTRACTOR's camp shall be charged, per man hour.....\$ 18.50

10. Pipe or casing left in hole at request of COMPANY:

<u>NW</u>	<u>BW</u>
\$2.30/foot	\$2.00/foot

11. Material or consumables chargeable shall be at the delivered cost to CONTRACTOR plus ten percent (10%). Chargeable consumables are defined as cement, drilling mud, additives, and soluble oils at the rate of one drum per 1,600 feet of drilling.

12. Pick-up truck for transportation between Cleary Lake and Kitsault shall be provided by CONTRACTOR at no extra cost.

13. In the event that drilling material becomes stuck, broken, or lost in a hole, COMPANY shall pay for time, supplies, and materials consumed to recover the same. If materials are unrecoverable, or if pipe or casing is left in a hole at COMPANY's request, they will be charged at their depreciated value. No payment shall be made for lost or damaged material or equipment resulting from improper drilling techniques or other negligent acts or omissions of CONTRACTOR or its employees, nor shall payment be made for attempted recovery of the same.

14. Except where noted as per man hour, hourly rates shall be interpreted to mean the labour of a two-man crew, supervision, and machine and equipment

rental. In the event extra labour over and above the regular two-man crew and supervision are required, CONTRACTOR agrees to supply such additional labour, per man hour.....\$ 18.50

INITIALING:

N. H. Miller
COMPANY

M. Hansen
DRILLING CONTRACTOR

APPENDIX III

CONTRACTOR INVOICES

TONTO DRILLING CO. ANY
1215 WEST 7TH AVENUE

VANCOUVER, B.C. V6H 1B7

ANNEX

VANCOUVER OFFICE

IN ACCOUNT WITH

CLIMAX MOLYBDENUM CORP. OF B. C.
13949 WEST COLFAX AVENUE
GOLDEN, COLORADO
80401

CONTRACT NO. 284

INVOICE NO. 41440

DATE 11/07/77

PROPERTY

ALICE ARM

16/06/77

TO

30/06/77

HOURLY CHARGES

16/06/77	1	24.00 HOURS CAMP	18.50	444.00
17/06/77	1	5.00 HOURS MOVING	47.00	235.00
17/06/77	1	16.00 HOURS CAMP	18.50	296.00
17/06/77	1	10.00 HOURS EXTRA LABOUR	18.50	185.00
18/06/77	1	2.00 HOURS SETTING CASING	47.00	94.00
21/06/77	1	2.00 HOURS CONDITION HOLE	47.00	94.00
23/06/77	1	4.00 HOURS SETTING CASING	47.00	188.00
23/06/77	1	5.00 HOURS TRIPPING RODS SETTING CASING	47.00	235.00
23/06/77	1	1.00 HOURS REAMING	47.00	47.00

MUD CIRCULATION PRODUCTS

30.00 BGS.	QUICK-GEL	4.76	142.80
1500.00 LBS	FREIGHT PER 100 LBS	10.40	156.00
PLUS 10.00 %			29.88

MATERIALS CONSUMED

18/06/77	1	1.00 HW SHOE #1370	150.00	150.00
		PLUS 10.00 %		15.00
		PLUS 10.00 %		15.00

OTHER CHARGES

AIR	1.00		162.64	162.64
EXPEN.	1.00		214.79	214.79
FRT.	1.00	AIR FREIGHT	297.00	297.00
		TRANS-PROVINCIAL		
LABOUR	36.00 HOURS	AL WUDRICK - HAUL	18.50	666.00
		RODS TO KITSBAULT		
TRUCK	1.00	TRUCK - HAUL EXTRA	40.00	40.00
		RODS TO KITSBAULT		

TOTAL AMOUNT OF INVOICE

240

Credits to be issued on next bill
for \$15.00 for Materials consumed
plus 10%, plus credits of about
\$623.00 on other charges

K. E. C.

DIRECT PAYMENT
PURCHASE ORDER
DEPT. 100 W/W
CALCULATED
DATE 7/15/77
BY SK per RCS
50% CREDIT FOR 2 MEN IN
AND 2 MEN OUT
270-98-11000
W-23
FINAL APPROVAL
EXPENSES - AL WUDRICK

CLIX 04-93557
 KAMLOOPS
 TELEPHONE 374-1112
 TELEX 0438

THE TONTO GROUP OF COMPANIES

TONTO DRILLING COMPANY
 1215 WEST 7TH AVENUE

VANCOUVER, B.C. V6H 1B7

JUL 20 1977

VANCOUVER OFFICE

IN ACCOUNT WITH

CLIMAX MOLYBDENUM CORP. OF B. C.
 13949 WEST COLFAX AVENUE
 GOLDEN, COLORADO
 80401

CONTRACT NO. 284

INVOICE NO. 4144C

DATE 11/07/77

PROPERTY ALICE ARM

16/06/77

TO 30/06/77

FOOTAGE DRILLED

RIG#	HOLE	SIZE	FROM	TO	ANGLE RATE	TOTAL
38-8	1	5.00 FEET HW	0.00	5.00	16.65	83.25
38-8	1	395.00 FEET HQ	5.00	400.00	16.65	6576.75
38-8	1	82.00 FEET TRI	400.00	482.00	15.65	1283.30
38-8	1	18.00 FEET BQ	482.00	500.00	13.90	250.20
38-8	1	500.00 FEET BQ	500.00	1000.00	14.50	7250.00
38-8	1	342.00 FEET BQ	1000.00	1342.00	15.25	5215.50
TOTAL						20659.
O. B. FOOTAGE			87.00			
CORED FOOTAGE			1255.00			
TOTAL FOOTAGE			1342.00			

DIRECT PAYMENT

PURCHASE APPROVED _____ RECEIVED _____

DEPT. HEAD *WFW*

CALCULATED *7/15/77*

DISTRICT *per RGD phone 7/21/77*

5011 1 0 270-93-11000
 W-23

FINAL APPROVAL *[Signature]*

K. E. C.

VANCOUVER
 TELEPHONE 756-2643
 TEL 04-508557
 HAMLOOPS
 TELEPHONE 374-1111
 TELEX 048815-



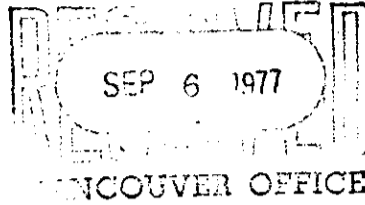
THE TONTO GROUP OF COMPANIES
 TONTO DRILLING COMPANY
 1215 WEST 7TH AVENUE

VANCOUVER, B.C. V6H 1B7

IN ACCOUNT WITH

CLIMAX MOLYBDENUM CORP. OF B. C.
 13949 WEST COLFAX AVENUE
 GOLDEN, COLORADO
 80401

AMAX



CONTRACT NO. 284

INVOICE NO. 4147C

DATE 25/07/77

PROPERTY ALICE ARM

01/07/77

TO 15/07/77

OTHER CHARGES

4144C

1.00	CREDIT RE INVOICE	15.00	15.00-
	4144C - MATERIALS CONSUMED		
1.00	CREDIT TO SPLIT	605.90	605.90-
	FREIGHT CHARGE		

620.9

TOTAL AMOUNT OF INVOICE

~~31491.0~~

30833.0

DIRECT PAYMENT

PURCHASE ORDER NO. _____

DEPT. HEAD *W. H. W.* DATE *7/28/77*

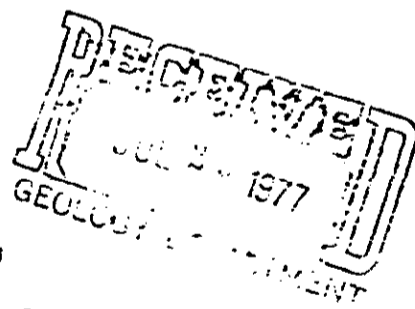
CALCULATED BY *R.E.S.*

DISTRICT _____ WITH CHANGES AS NOTED.

ACCOUNT NO. _____

5011	1.00	270-98-	11000
		W-23	

FINAL APPROVAL *[Signature]*



R.E.S.

2041
08557
152
0. 1154

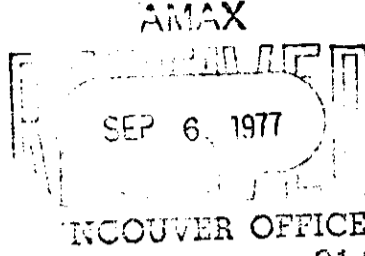


THE TONTO GROUP OF COMPANIES
TONTTO DRILLING COMPANY
1215 WEST 7TH AVENUE

VANCOUVER, B.C. V6H 1B7

IN ACCOUNT WITH

CLIMAX MOLYBDENUM CORP. OF B. C.
13949 WEST COLFAX AVENUE
GOLDEN, COLORADO
80401



CONTRACT NO. 284

INVOICE NO. 4147C

DATE 25/07/77

PROPERTY ALICE ARM

01/07/77

TO 15/07/77

HOURLY CHARGES

01/07/77 1	6.00 HOURS RECOVER EQUIP/FISHING	47.00	282.00
02/07/77 1	20.00 HOURS RECOVER EQUIP/FISHING	47.00	940.00
03/07/77 2	10.00 HOURS MOVING	47.00	470.00
03/07/77 2	16.00 HOURS EXTRA LABOUR	18.50	296.00
03/07/77 2	3.00 HOURS SETTING CASING	47.00	141.00
04/07/77 2	2.00 HOURS MOVING	47.00	94.00
05/07/77 2	1.00 HOURS CONDITION HOLE	47.00	47.00
06/07/77 2	2.00 HOURS REAMING	47.00	94.00
07/07/77 2	4.00 HOURS DRILLING - O.B.	47.00	188.00
07/07/77 2	1.00 HOURS PULLING CASING	47.00	47.00
07/07/77 2	6.00 HOURS REAMING	47.00	282.00
07/07/77 2	2.00 HOURS MUD	47.00	94.00
10/07/77 2	1.00 HOURS REAMING	47.00	47.00
14/07/77 2	2.00 HOURS RECOVER EQUIP/FISHING	47.00	94.00
15/07/77 2	7.00 HOURS RECOVER EQUIP/FISHING	47.00	329.00
15/07/77 2	3.00 HOURS MOVING	47.00	141.00
15/07/77 2	16.00 HOURS EXTRA LABOUR	18.50	296.00

32
328

MUD CIRCULATION PRODUCTS

54.00 BGS.	QUICK-GEL	4.76	257.04
2700.00 LBS	FREIGHT PER 100 LBS	10.40	280.80
12.00 BGS.	QUICK-TROL	6.48	77.76
24.00 LBS	FREIGHT PER 100 LBS	10.40	2.50
PLUS 10.00 %			61.81

67

MATERIALS CONSUMED

02/07/77 1	7.00 10' NWL RODS	56.92	398.44
02/07/77 1	2.00 10' HWL RODS	87.15	174.30
02/07/77 1	1.00 SHOE #1370	150.00	150.00
02/07/77 1	1.00 NW ROD TAP	174.36	174.36
02/07/77 1	1.00 5' HW CASING	66.29	66.29
07/07/77 2	1.00 BW CASING SHOE #1022108	116.55	116.55
07/07/77 2	32.00 10' NWL CASING	56.92	1821.44
15/07/77 2	1.00 5' HW CASING	66.29	66.29
04/07/77 2	1.00 HW SHOE #1367	150.00	150.00
PLUS 10.00 %			311.77
01/07/77 1	3.00 BQ RODS	47.03	141.09
13/07/77 2	2.00 BQ RODS	47.03	94.06
MINUS 50.00- %			117.58-

35

K. E. E.



THE TONTO GROUP OF COMPANIES
 TONTO DRILLING COMPANY
 1215 WEST 7TH AVENUE

VANCOUVER, B.C. V6H 1B7

IN ACCOUNT WITH

AMAX

CLIMAX MOLYBDENUM CORP. OF B. C.
 13949 WEST COLFAX AVENUE
 GOLDEN, COLORADO
 80401

SEP 6 1977
 VANCOUVER OFFICE

CONTRACT NO. 284

INVOICE NO. 4147C

DATE 25/07/77

PROPERTY ALICE ARM

01/07/77

TO 15/07/77

FOOTAGE DRILLED

RIG#	HOLE	SIZE	FROM	TO	ANGLE RATE	TOTAL
38-8	1	60.00 FEET BQ	1342.00	1402.00	15.25	915.00
38-8	2	5.00 FEET HW	.00	5.00	16.65	83.25
38-8	2	416.00 FEET HQ	5.00	421.00	16.65	6926.40
38-8	2	23.00 FEET TRI	421.00	444.00	15.65	359.95
38-8	2	56.00 FEET BQ	444.00	500.00	13.90	778.40
38-8	2	500.00 FEET BQ	500.00	1000.00	14.50	7250.00
38-8	2	500.00 FEET BQ	1000.00	1500.00	15.25	7625.00
38-8	2	4.00 FEET BQ	1500.00	1504.00	16.25	65.00

TOTAL

24003.

O. B. FOOTAGE 28.00

CORED FOOTAGE 1536.00

TOTAL FOOTAGE 1564.00

R. J. L.

APPENDIX IV

DRILL LOGS

DIAMOND DRILL LOG - BELL MOLYBDENUM PROPERTY

HOLE NUMBER 77B-1

PAGE 1

INCLINATION -90°

LOGGED BY Kent E. Card

FOOTAGE	ROCK DESCRIPTION
0 - 266	Dark grey mostly vesicular, amygdaloidal andesitic lava flow
266 - 350	Dark grey, non-hornfelsed greywacke sandstone boulders, with minor lenses of coarse gravel
350 - 479	Dark grey thinly bedded unconsolidated fine sand grading downward to silts then clay
479 - 1348	Strongly bleached, fractured brown biotite hornfels bedrock
1348 - 1379	Medium to dark grey-brown quartz monzonite quartz-feldspar porphyry dyke
1379 - 1383.5	Hornfels, as above
1383.5 - 1402	END Quartz monzonite quartz-feldspar porphyry, as above.

Kent E Card
Sept. 9, 1977

DIAMOND DRILL LOG - BELL MOLYBDENUM PROPERTY

HOLE NUMBER 77B-2

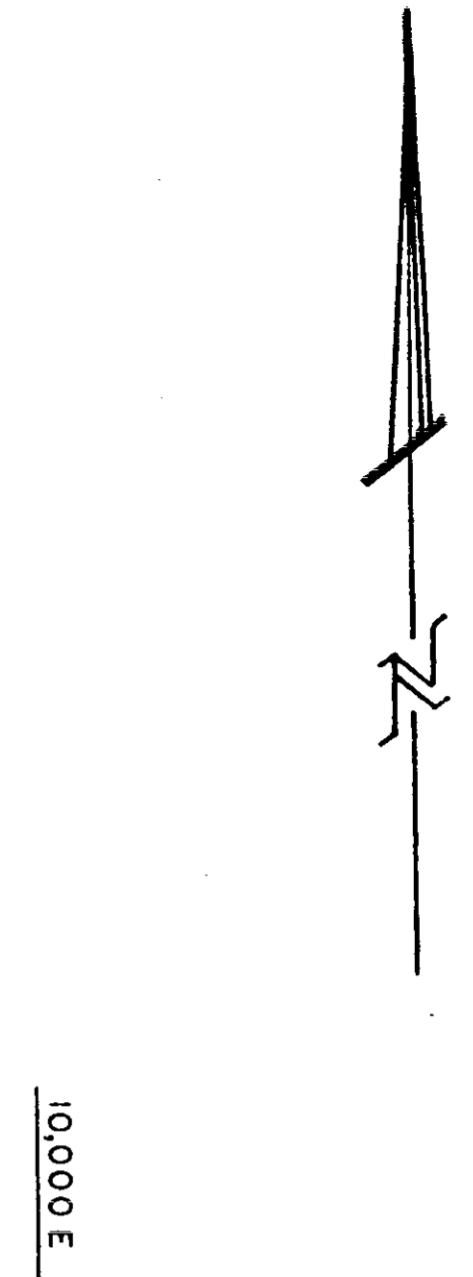
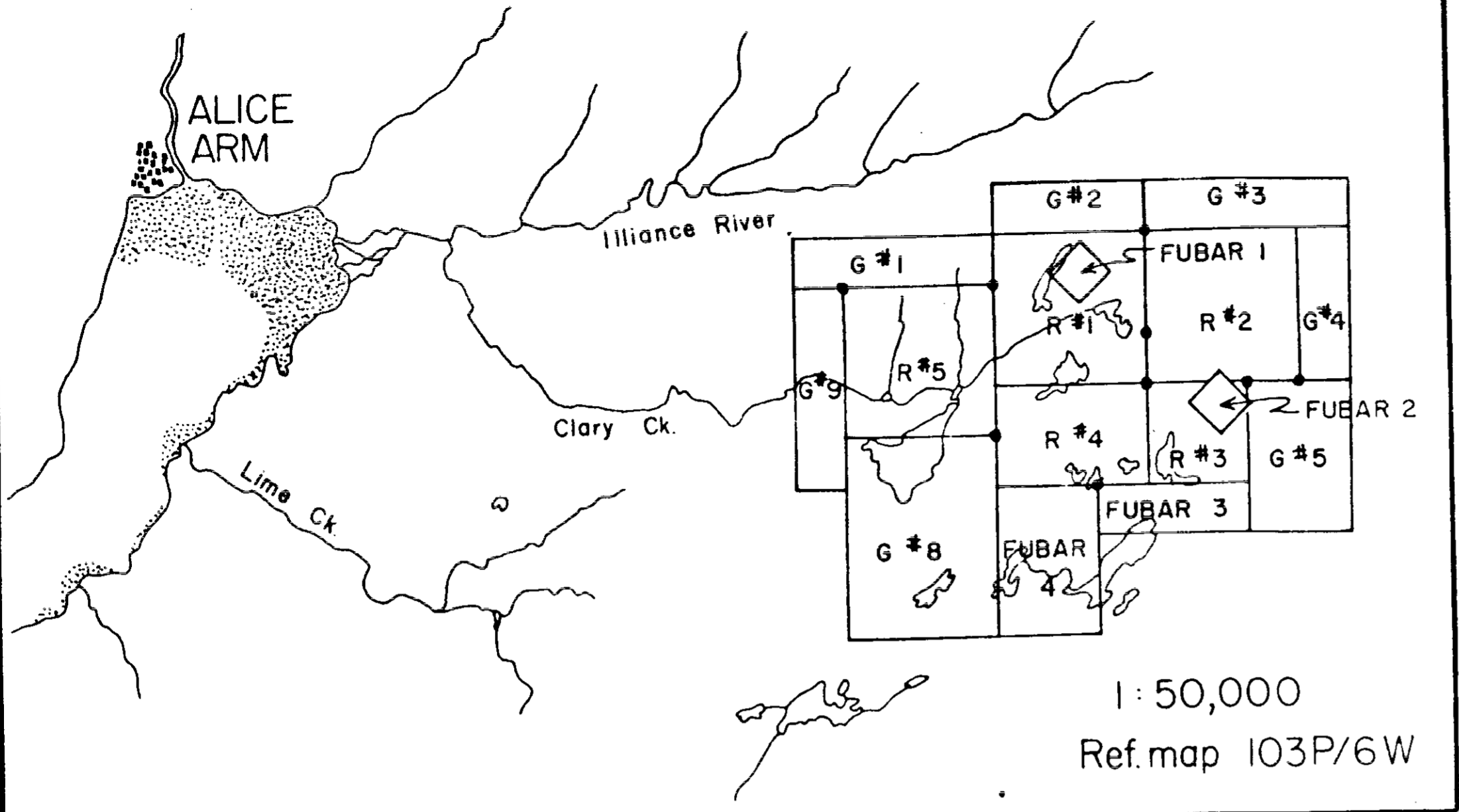
PAGE 1

INCLINATION -90°

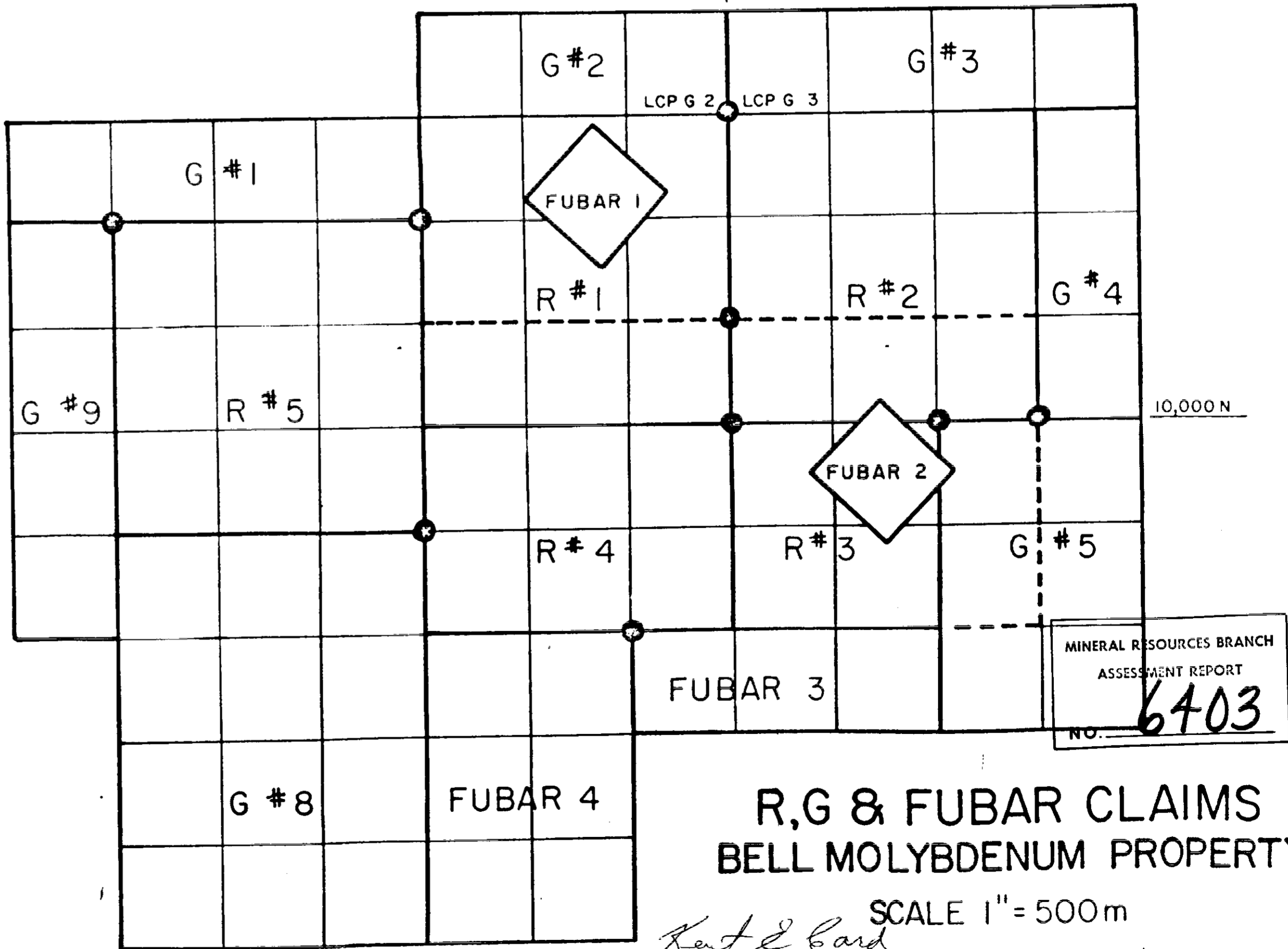
LOGGED BY Kent E. Card

FOOTAGE	ROCK DESCRIPTION
0 - 270	Medium to dark grey locally vesicular olivine crystal andesitic lava flow
270 - 333	Mostly boulders of non-hornfelsed greywacke sandstone, with minor lenses of coarse gravel
333 - 444	Unconsolidated sequence of sand, grading into silt, then clay
444 - 628	Moderately fractured, locally bleached, dark brown biotite hornfels
628 - 632.5	Light grey fine grained quartz-feldspar porphyry dyke
632.5- 1227	Hornfels as above
1227 - 1230	Feldspar porphyry dyke, as above
1230 - 1245	Hornfels, as above
1245 - 1258.5	Feldspar porphyry dyke, as above
1258.5-1263	Hornfels
1263 - 1263.5	Feldspar porphyry dyke
1263.5-1278	Hornfels
1278 - 1282	Feldspar porphyry dyke
1282 - 1286	Hornfels
1286 - 1304	Feldspar porphyry dyke
1304 - 1334	Hornfels
1334 - 1339	Feldspar porphyry dyke
1339 - 1359	Mostly hornfels, cut by regular small feldspar porphyry dykes
1359 - 1484	Feldspar porphyry dyke
1484 - 1490	Hornfels
1490 - 1499	Feldspar porphyry dyke
1499 - 1505	END Hornfels

Kent E. Card
Sept. 9, 1977



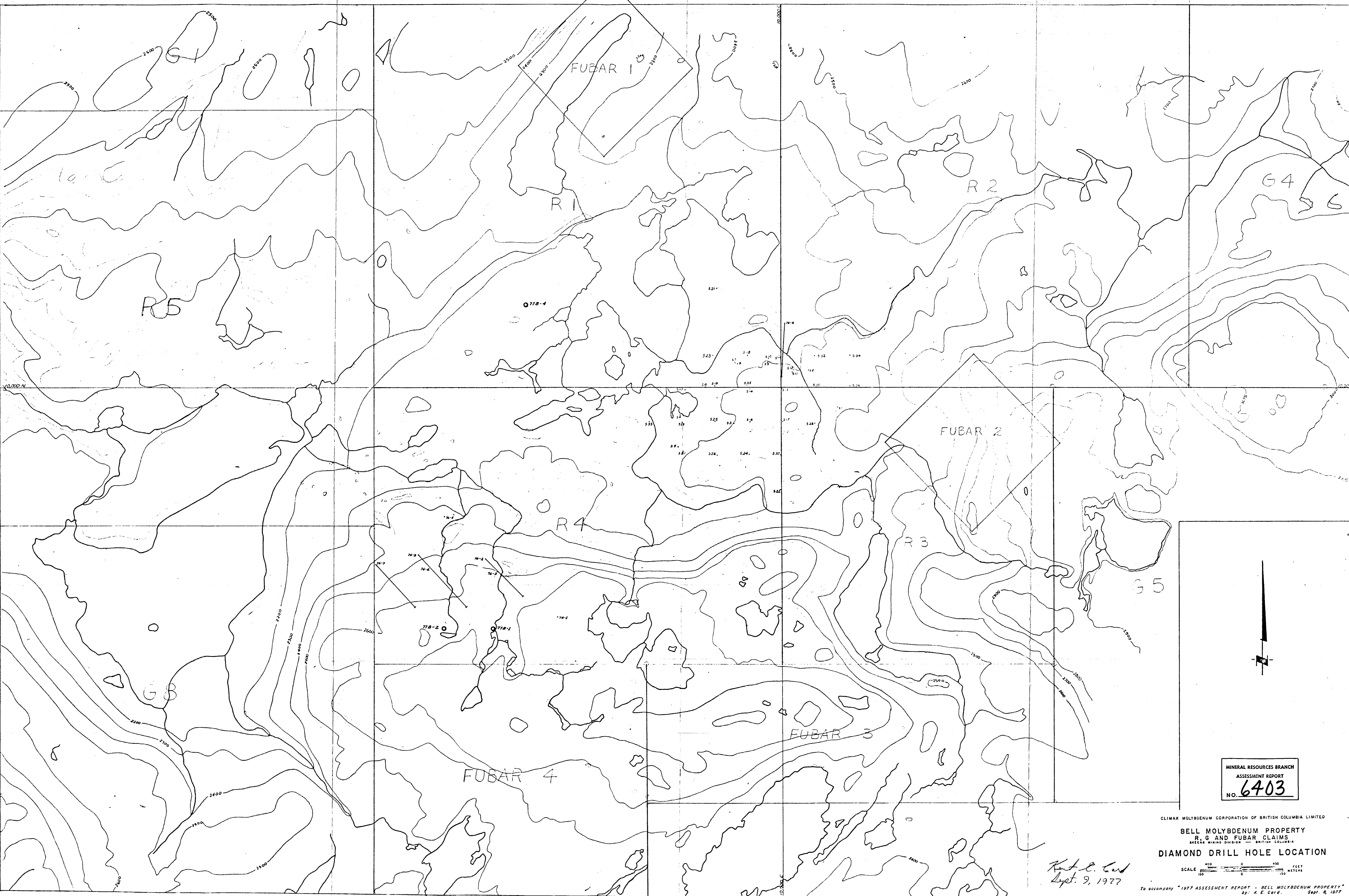
CLAIM	RECORD NO.	DATE OF RECORD	L.C.P. LOCATION		UNITS	CLAIM CONFIGURATION
			LATITUDE	DEPARTURE		
R#1	99	7/24/75	10,000.37	10,001.13	9	3N/3W
R#2	100	"	"	"	9	3N/3E
R#3	101	"	"	"	4	2S/2E
R#4	102	"	"	"	6	2S/3W
R#5	103	"	8,355.07	5,115.02	9	3N/3W
G#1	104	"	13,264.52	5,087.70	4	1N/4W
G#2	105	"	14,903.28	9,999.88	3	1N/3W
G#3	106	"	"	"	4	1N/4E
G#4	107	"	10,000.17	14,900.31	3	3N/1E
G#5	108	"	10,016.88	13,267.93	6	3S/2E
G#8	111	"	8,355.07	5,115.02	12	4S/3W
G#9	112	"	13,278.31	190.67	4	4S/1W
FUBAR 1	116	8/8/75	11,664.45	9,985.57	6	2N/3W
FUBAR 2	117	"	"	"	9	3S/3E
FUBAR 3	166	10/22/75	6,883.72	8,392.58	3	1S/3E
FUBAR 4	167	"	"	"	6	3S/2W



CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA LIMITED
 BELL MOLYBDENUM PROPERTY
 R, G AND FUBAR CLAIMS
 SKETCHED MINING DIVISION — BRITISH COLUMBIA
 LOCATION AND CLAIM MAP

R, G & FUBAR CLAIMS
 BELL MOLYBDENUM PROPERTY
 SCALE 1" = 500m
 Drn. by D.D. 1/16/76
Kent E. Gard
 Sept. 9, 1977

To accompany "1977 ASSESSMENT REPORT — BELL MOLYBDENUM PROPERTY"
 by: K. E. Gard. Sept. 8, 1977



MINERAL RESOURCES BRANCH
 ASSESSMENT REPORT
 NO. 6403

CLIMAX MOLYBDENUM CORPORATION OF BRITISH COLUMBIA LIMITED
 BELL MOLYBDENUM PROPERTY
 R, G AND FUBAR CLAIMS
 SHEKIN MINING DIVISION - BRITISH COLUMBIA
 DIAMOND DRILL HOLE LOCATION

SCALE 1:50,000
 0 100 200 300 400 500 FEET
 0 100 200 300 400 METERS

To accompany "1977 ASSESSMENT REPORT - BELL MOLYBDENUM PROPERTY"
 by: K. E. Carr. Sept. 8, 1977

K. E. Carr
 Sept. 9, 1977