

JAMES P. ELWELL, P.ENG.
CONSULTING MINING ENGINEER

PHONE: 682-2120
RES: 822-2551

1029 - 510 W. HASTINGS ST.
VANCOUVER 2, B.C.

PERCUSSION DRILLING REPORT
GOTCHA CLAIM
KAMLOOPS MINING DIVISION, B. C.

During the period January 9th to 17th, 1978, a total of 975 feet of percussion drilling was completed on the Gotcha claims by H. D. Drilling Ltd. of Kamloops, B. C. The program was under the supervision of Mr. Murray McLoren, B.Sc. Geologist, of United Mineral Services LTD.

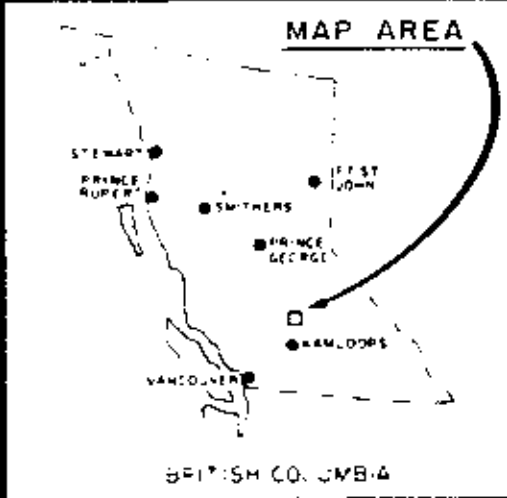
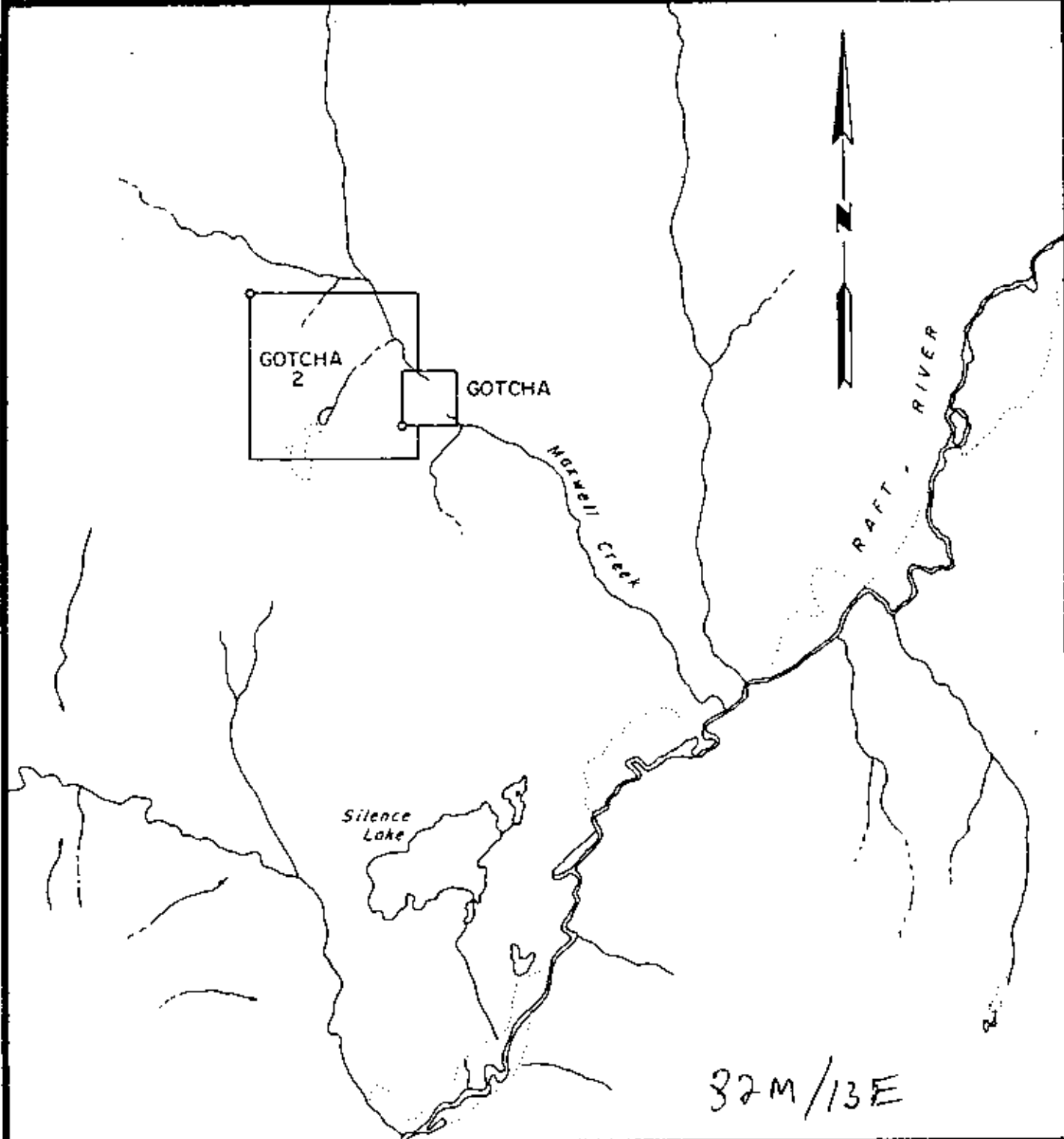
Accompanying this report is the following:

- a) 1:50,000 scale Location Map of the Gotcha claims.
- b) Bearing, dip, and depth of percussion holes (Appendix A)
- c) Drill Hole assays (Appendix B)
- d) 1" to 50' scale map showing locations of drill holes in relation to trenches and claim boundry.
- e) Copies of Assay Certificates.
- f) Cost Statement with copies of invoices of fees to Contractors.

April 26th 1978


J. P. ELWELL, P.Eng.

MINERAL RESOURCES BRANCH ASSESSMENT REPORT 7607 NO.
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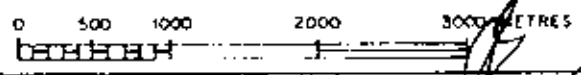
NCA MINERALS LTD.

LOCATION MAP

GOTCHA MINERAL CLAIMS

KAMLOOPS M.D.

BRITISH COLUMBIA



SEPT 14, 1977

J. P. ELWELL, P. Eng.

APPENDIX "A"

Percussion Drilling

Lower Band

<u>Hole No.</u>	<u>Bearing °</u>	<u>Dip °</u>	<u>Depth in ft.</u>
1		vert.	70
2		vert.	80
3	256	56	75
4	270	66	65
5	310	70	80
6	214	70	90
7	N	48	50
8	N	55	45
9	N	51	95
10	30	60	55
11	230	52	80

Upper Band

<u>Hole No.</u>	<u>Bearing °</u>	<u>Dip °</u>	<u>Depth in ft.</u>
12	310	60	25
13	236	50	30
14	292	54	20
15	186	54	20
16	290	50	30
17	270	43	35
18	340	55	25



Drill Hole Assays APPENDIX 'B'

The drill cuttings from each hole were taken in 5 foot sections for examination by ultra-violet light, and then grouped into sections of 10 feet or more according to the intensity of fluorescence, as being submarginal, marginal, or ore grade. These grouped samples were assayed for % WO_3 by Can-Test Ltd., Vancouver. The results are tabulated as follows:

<u>Hole No.</u>	<u>Footage</u>		<u>% WO_3</u>
	<u>From</u>	<u>To</u>	
1.	20	30	0.03
	30	50	1.58
	50	60	0.85
2.	15	20	0.03
	20	25	0.03
	25	75	0.04
4.	45	60	0.06
5.	10	30	0.57
	30	45	0.14
	45	75	0.03
7.	25	35	0.03
	35	50	1.07
9.	25	50	4.30
	50	75	5.07
	75	95	1.47
10.	40	50	0.89

<u>Hole No.</u>	<u>Footage</u>		<u>% WO₃</u>
	<u>From</u>	<u>To</u>	
11.	10	30	2.84
	35	60	0.12
	60	75	0.10
12.	0	10	1.12
	10	20	1.25
13.	0	15	3.23
14.	0	10	3.05
17.	0	15	0.06
	15	30	0.35
18.	5	20	0.14

The samples from holes 3, 6, 8, and 16 were not submitted for assay, as they showed only very minor fluorescence, and their location indicated that they were in either the footwall or hanging wall of the mineralized structure. No sample was recovered from Hole No. 15. The bearing, dip, and total length of each hole is tabulated in Appendix "A" of this report, and their location is shown on the detail plan. Copies of the Can-Test assay certificates are included as Appendix "B".

Hole No. 2 resulted in surprisingly low assays, considering it was parallel, and only about 20 feet from Hole No. 1 which averaged 1.37% WO₃ over 30 feet, and it is suspected that the structure may have rolled so that the drill hole remained in the hanging wall its entire length, or possibly, the mineral band has been split by a horse of waste at this point.



To:



can test ltd.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Telex 254-7378

04-54210

NCA Minerals Corporation

P.O. Box 371

Vancouver, B.C.

V6C 2N2

Certificate of Assay

File No. 4575C

1 of 3

Date Feb. 26/78

Attention: Mr. D. McLeod

Percussion Drill Cores

We hereby Certify that the following are the results of assays made by us upon submitted samples.

Sample Identification	GOLD	SILVER	Tungsten					
	Ounces Per Ton	Ounces Per Ton	Percent WO ₃	Percent	Percent	Percent	Percent	Percent
Composite 1 PH 1 20'-30'			0.03					
2 30'-50'			1.58					
3 50'-60'			0.85					
4 PH 2 15'-20'			0.03					
5 20'-25'			0.03					
6 25'-75'			0.04					
7 PH 5 10'-30'			0.57					
8 30'-45'			0.14					
9 30'-45'			0.03					
10 PH 7 25'-35'			0.03					

Note. Pulps retained three months.

Rejects retained two weeks.

ALL REPORTS ARE THE CONFIDENTIAL PROPERTY OF CLIENTS. PUBLICATION OF STATEMENTS, CONCLUSIONS OR EXTRACTS FROM OR REGARDING OUR REPORTS IS NOT PERMITTED WITHOUT OUR WRITTEN APPROVAL. ANY LIABILITY ATTACHED THERETO IS LIMITED TO THE FEE CHARGED.

Form No. 13 C

CAN TEST LTD.

Provincial Assayer

To:



CAN TEST LTD.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Telephone 284-7278

04-54210

NCA Minerals Corporation

P.O. Box 371

Vancouver, B.C.

V6C 2N2

Certificate of Assay

File No. 4575C

2 of 3

Date Feb. 26/78

Attention: Attn: Mr. D. McLeod

Percussion Drill Cores

We hereby Certify that the following are the results of assays made by us upon submitted samples.

Sample Identification	GOLD	SILVER	Tungsten					
	Ounces Per Ton	Ounces Per Ton	Percent WO ₃	Percent	Percent	Percent	Percent	Percent
Composite 11 PH 7 35'-50'			1.07					
12 PH 9 25'-50'			4.30					
13 50'-75'			5.07					
14 75'-95'			1.47					
15 PH 4 45'-60'			0.06					
16 PH 10 40'-50'			0.89					
19 PH 11 10'-30'			2.84					
18 35'-60'			0.12					
17 60'-75'			0.10					
20 PH 12 0'-10'			1.12					

Note: Pulps retained three months.

Rejects retained two weeks.

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Form No. 13 C

CAN TEST LTD.

Provincial Assayer

To:

NCA Minerals Corporation



CAN TEST LTD.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6

Telep 1 354-7276

1 04-84210

P.O. Box 371

Vancouver, B.C.

V6C 2N2

Certificate of Assay

File No. 4575C

3 of 3

Date Feb. 26/78

Attention: Attn: Mr. D. McLeod

I hereby Certify that the following are the results of assays made by us upon submitted Percussion Drill Cores samples.

Sample Identification	GOLD	SILVER	Tungsten		Specific			
	Ounces Per Ton	Ounces Per Ton	Percent WO_3	Percent	Percent	Percent	Percent	Percent
Composite 21 PH 12 0'-20'			1.25		Gravity			
22 PH 13 0'-15'			3.23					
23 PH 14 0'-10'			3.05					
24 PH 17 0'-15"			0.06					
25 15'-30'			0.35					
26 PH 18 5'-20'			0.14					
27 PH 3 70'-75'			0.03					
28 General Sample			0.95					
29 Rock			2.40			2.97		

Note: Pulps retained three months.

Rejects retained two weeks.

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Form No. 13 C

CAN TEST LTD.

Provincial Assayer

JAMES P. ELWELL, P.ENG.
CONSULTING MINING ENGINEER

PHONE: 682-2120
RES: 922-2551

1029 - 510 W. HASTINGS ST.
VANCOUVER 2, B.C.

STATEMENT OF COSTS

Trenching	\$ 2,340.00	(Per invoice attached)
Drilling	5,670.00	(Per invoice attached)
Supplies & Service	515.61	
United Mineral Service (Supervision)	3,800.00	(Per invoice attached)
Consulting Services	1,879.90	
Assaying	<u>411.92</u>	(Per invoice attached)
	<u>\$14,617.43</u>	

STATEMENT

NCA MINERALS CORP
 P.O. BOX 371
 VANCOUVER, B.C.

DATE Jan. 23 1978

Dale Miller Logging

Box 222

D-7E CAT

CLEARWATER, B.C.

DATE	DETAILS	DEBIT	CREDIT	BALANCE
Jan. 21	snow removal Rd 9		7 hr.	
Jan. 22	snow removal		5 hr.	
	trenching		5 1/2 hr.	
Jan. 23	trenching + cleaning drill site		12 hr.	
Jan. 24	mixed compressor + air trac to site, clean-up		8 hr.	
Jan. 25	luc. bid 3 hr. @ \$40.00			

DATE Jan. 30 1978

Dale Miller Logging
D-7E CAT

DATE	DETAILS	DEBIT	CREDIT	BALANCE
Jan. 29	^{low bed} CAT from 5 mi. Rd. 170 to 2 1/2 mi. Rd. 9	8 hr @ \$40.00		
Jan. 29	move compressor, air tank, + rock samples from drill site to road	10 hrs.		
	TOTAL CAT D-7E	47.5 hr @ \$40.00 =	\$1900	
	TOTAL LOWBED	11 hr @ \$40.00 =	440	
				<u>\$2340</u>
	Paid Feb 7/78			
	Chq # 74			
	En. P. Doyen shipping			

H. D. DRILLING CO.

MAILING ADDRESS: P.O. Box 34183, STATION "D"
VANCOUVER, B.C. V6J 4N1

TO: NCA Minerals Corporation
Box 371, Stn. "A",
Vancouver, B.C. V6C 2N2

DATE February 1st, 1978

DATE	ITEMS	TOTAL	PRICE
	To Percussion drilling on property approx. 25 miles NW of Clearwater, B.C.:		
	Drilling Jan. 23rd - 1,000 ft. @ \$3.75		\$ 3,750.00
	Lost rods		450.00
	On site moving and standby - 14 hrs. @ \$50.00		700.00
	Moving in and out -	\$ 420.00	
		<u>350.00</u>	<u>770.00</u>
	LESS Deposit Received -		5,670.00
	BALANCE DUE	<u>\$ 5,170.00</u>	<u>500.00</u>
	<p><i>Paid</i> <i>FEB 7/78</i> <i>Chq # 23</i></p> <p><i>Drilling expense</i> <i>with Catcher Drums</i></p>		

UNITED MINERAL SERVICES LTD.
1326 - 510 West Hastings Street
Vancouver, B. C.
V6B 1L8

February 14, 1978

Mr. Don McLeod
President
NCA Mineral Corporation Ltd.
P. O. Box 371
VANCOUVER, B. C.
V6C 2N2

Dear Don:

United Mineral Services Ltd. personnel have performed services for NCA Mineral Corporation on their optioned Gotcha Claim as follows:

A. FIELD DAYS

1) Murray McClaren

January 13	Drove Vancouver - Kamloops - Clearwater.
January 14	Arranged for cat, drill, government approval, etc.
January 20	Drove, Cache Creek - Clearwater, arranged for sample bags, accommodation, cat.
January 21	Supervised cat work
January 22	Supervised cat work
January 23	Supervised cat work and drill
January 24	Supervised cat work and drill
January 25 - 28	Supervised drill
January 29	Supervised demobilization
January 31	Discussed property and program with D. McLeod
February 1	Drove Clearwater - Kamloops, saw drill contractor, turned in vehicle.
February 2	Drove Kamloops - Vancouver

2) R. Dickinson

January 25	Drove Vancouver - Clearwater
January 26	Drill sampling and spotting
January 27	Drill sampling and spotting
January 28	Drove Kamloops - Vancouver

..../2

Mr. D. McLeod
February 14
Page Two

3. N. Newson

January 27 Drove Vancouver - Clearwater
January 28 Assisted at drill
January 29 Assisted at drill and demobilization
January 31 Drove Clearwater - Vancouver

Total man days employed in the field on your project were 23 days.

B. OFFICE TIME

1) Murray McClaren

February 6 - 10 Drafted data and calculated tonnages in conjunction
February 13 with J. P. Elwell

Total man days employed in the office on your project were 6 days.

United has incurred expenses on your project totalling \$1,082.14. Expense account sheets are attached to this statement for your examination.

Our fee for these services and expenses is \$3,800.00 as follows:

a) Wages - M. McClaren (21 days)	(400)	\$2,100.00
- R. Dickinson (4 days)	(80)	318.00
- N. Newson (4 days)	(300)	300.00
b) Expenses (at cost)		1,082.00
c) Other expenses - personal vehicles		no charge
- mineral lamp, field supplies, etc.		no charge
	TOTAL FEE	<u>\$3,800.00</u>

NCA has advanced the following sums to United and its personnel:

January 14 (approx.) to M. McClaren	\$ 300.00	CR # 13
January 14 (approx.) to United	500.00	CR # 12
February 14 to United	3,000.00	CR # 11
	<u>\$3,800.00</u>	
Total Advances	\$3,800.00	

We appreciate NCA's quick payment of our fee and would be pleased to offer our services at any time should you require them.

Yours sincerely,

UNITED MINERAL SERVICES LTD.

OK
[Signature]
[Signature]
Exploration - Ratcha Shims

United Mineral Services Limited

STANDARD BUILDING

1326 - 210 W. HASTINGS, VANCOUVER, B.C. V6D 1L6

ROBERT A. DICKINSON
GEOLOGIST

MURRAY MCCLAREN
GEOLOGIST

GOTCHA PROJECT EXPENSES.

DATE	EXPENDITURE DETAIL	PROPERTY CODE	EXPENSE CODE	AMOUNT -
JAN 17	ZEROX		7	1.50
JAN 21	GROCERIES		F	2.70
JAN 21	"		F	11.88
JAN 21	Meals		F	3.02
"	Meals		F	5.35
JAN 22	"		F	9.75
JAN 23	"		F	5.20
"	"		F	4.02
JAN 24	"		F	5.3
"	GROCERIES		F	7.3
"	NOTE PAD		F	1.5
"	BATTERY		F	3.2
"	Meals		F	2.05
JAN 25	Meals		F	5.7
JAN 26	BATTERIES		F	12.8
"	Meals		F	5.35
JAN 27	BATTERIES		F	6.4
"	Meals		F	11.1
JAN 28	PROMOTION		20	23.7
JAN 28	GROCERIES		F	5.6
"	Meals		F	8.1
JAN 29	gas		W	19.2
"	Meals		F	10.1
JAN 30	STAPLES		F	1.8
JAN 30	GROCERIES		F	6.8
"	Meals		F	13.6
JAN 31	Meals		F	10.7
JAN 31	ROOMS FOR ENTIRE PROJECT		F	304.5
FEB 1	TRUCK RENTAL JAN 25 - FEB 1	AD 250	X	259.0
FEB 1	15.7 gal gas		W	14.2
FEB 1	gas		W	5.00
			TOTAL	

3 - \$ 331.45
4 - \$ 439.52
5 - \$ 25.82
7 - \$ 1.50
28 - \$ 23.75
827.04

ADVANCE EXPENSE _____
DUE _____

\$822.

RECEIVED

United Mineral Services Limited

STANDARD BUILDING

1320 - 810 W. HASTINGS, VANCOUVER, B. C. V6D 1L0

Gatcha Project

ROBERT A. DICKINSON
GEOLOGIST

MURRAY MCCLAREN
GEOLOGIST

DATE	EXPENDITURE DETAIL	PROPERTY CODE	EXPENSE CODE	AMOUNT - \$
Jan 25/78	Meal		F	2.80
"	Proccines		F	10.83
"	Meal		F	.80
"	Battery		F	3.87
Jan 25/78	11.5 gal gas		W	12.00
Jan 26/78	Battery		W	3.85
"	16.5 gal gas		W	15.00
Jan 27/78	10.2 gal gas		W	9.50
Jan 27/78	Oil		W	3.32
Jan 27/78	Gas		M	16.25
Jan 28/78	Meal		F	2.25
Jan 28/78	11.0 gal gas		W	9.30
TOTAL				\$ 89.77

* PAD GAVE MMC \$1,400.00 Cash
Jan 28/78.

3 - 65.37
4 - 16.68
- 7.72
\$ 89.77

ADVANCE _____
EXPENSE _____
DUE _____

RECEIVED _____

OTHER EXPENSES

NORM NEWSON \$600

cheque
cheque

ADVANCE DRAFTING \$70



CAN test ltd.

1650 PANDORA STREET, VANCOUVER, B.C. V5L 1L6 • TELEPHONE 254-7278 • TELEX 04-54210

March 1, 1978

NCA Minerals Corporation
P. O. Box 371
VANCOUVER, B. C.

ATTENTION: Mr. McLeod

Dear Mr. McLeod:

SUBJECT: Our Invoice No. 3680, dated Feb. 24, 1978.

Please regard the bellow listed charges as an corrected explanation of our Inv. 3680.

Assaying of Percussion Drill Cores.

1.	Preparation of 97 Pulps (drying, spilitting, pulping)	\$1.75 each	\$ 169.75
2.	Preparation of 28 Composites		No Charge
3.	Assaying of 29 composites for $W O_3$	\$9.50 each	\$275.50
	less 15% Volume Discount on \$275.50		- 41.33
4.	1 Specific Gravity	\$8.00 each	\$ 8.00

TOTAL

\$411.92

Yours truly,

Derrel K. Dixon
Chief Chemist

*Paid
Mar 10/78
chq # 29*

/mp



GOTCHA 2

GOTCHA

Logging Road

Maxwell Creek

0' 50' 100'

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
7607

N.C.A. MINERALS LTD.

PLAN OF TRENCHES, D.D. &
PERCUSSION HOLES
GOTCHA CLAIMS
MAXWELL CR. AREA, BRITISH COLUMBIA

SCALE IN FEET