

# 6095

NORCEN ENERGY RESOURCES LIMITED

#6095

GEOCHEMICAL REPORT  
ON THE GJ CLAIM

KINASKAN LAKE AREA, BRITISH COLUMBIA  
N.T.S. 104-G-9

# GJ

# 104 G/9E

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT

NO.

6095

Liard Mining Division

Latitude: 57 degrees, 39 minutes N.

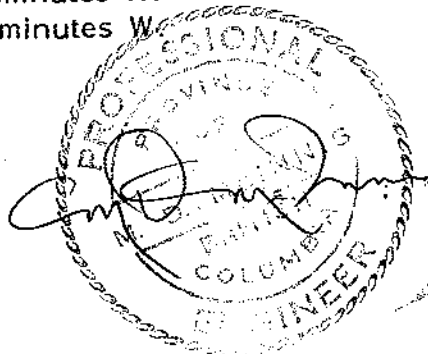
Longitude: 130 degrees, 14 minutes W.

C. Q. Winter

D. R. Good *Doug Good*

M. D. McInnis

November, 1976



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Map  
#1

A. PREFACE

Work for which assessment credit is requested was conducted on the GJ property between July 1, 1976 and July 30, 1976.

This report details the geochemical sampling which was carried out on the GJ mineral claim between July 1, 1976 and July 30, 1976.

As a result of the work performed, assessment credit is requested on the GJ claim as follows:

<u>CLAIM</u>	<u>RECORD NUMBER</u>	<u>NUMBER OF UNITS</u>	<u>ASSESSMENT CREDIT REQUESTED</u>	<u>TOTAL</u>
GJ	65(10)	12	3 years per unit	36 years.

The total value of the requested assessment credit and the total cost of the performed work is as follows:

<u>CLAIM</u>	<u>ASSESSMENT CREDIT REQUESTED</u>	<u>REQUIRED EXPENDITURE</u>	<u>COST OF PERFORMED WORK</u>
GJ	36 years	\$4,800.00	\$5,130.72

This report, with the accompanying location plan, geochemical map, and statement of expenditures, is hereby submitted to record the above assessment credit.

B. INTRODUCTION

The GJ claim is located on the southern end of the Klastline Plateau, in the Liard Mining Division, approximately three and one half miles west of Kinaskan Lake, at 57 degrees, 39 minutes N. latitude and 130 degrees, 14 minutes W. longitude (Figure 1).

Previous work on the property by other companies included geological mapping, limited geochemical and geophysical surveys, and the drilling of numerous diamond drill holes. This work indicated that the property is underlain geologically by a sequence of volcanic and sedimentary rocks which were later intruded by an irregular, dioritic intrusion. Diamond drilling at a showing in Groat Creek, which runs north-south through the claim, indicated that copper mineralization extended subsurface in a quartz stockwork, with economic grades occurring through significant intersections.

Within the period of July 1, 1976 to July 30, 1976, a total of eighteen man days were spent geochemically sampling the GJ property, in an attempt to locate areas of the property where further mineralization might occur. The soil samples were taken at an average depth of eight to ten inches. In places, where the snow had just recently melted, the ground was frozen and samples were obtained to a depth of two inches. Other small areas of the property were not sampled due to snow cover.

Access to the GJ property was achieved by helicopter from the Okanagan Helicopter base at Tatogga Lake Resort, some ten miles to the northeast, with an average return flying time of approximately 0.3 hours.

### C. GEOCHEMICAL SURVEY

Existence of significant copper mineralization at the showing in Groat Creek and limited geochemical results obtained by earlier workers led to the conclusion that more extensive geochemical surveying should be carried out on the property. A picketed two hundred foot grid was emplaced over the area. The base line of this grid extended due east across the property from 0 + 00 E to 54 + 00 E. From the base line, northings were extended to 14 + 00 N and southings to 14 + 00 S, to make a grid 5,400 feet east-west and 2,800 feet north-south. To the south of this grid, samples were taken at two hundred foot intervals on four hundred foot lines to 36 + 00 S. These lines were flagged and picketed where necessary.

Samples were collected by geologists Colin Winter and Doug Good, placed in kraft sample bags, and labelled with the appropriate grid coordinates. The samples were shipped to Chemex Labs Ltd. in Vancouver for analysis of total copper.

Chemex Labs. Ltd. used the following procedure to analyse the soil samples for copper:

1. Samples were sorted, recorded, and dried at 60 degrees centigrade.
2. Dried samples were sieved to minus 80 mesh fraction with a nylon and stainless steel sieve.
3. 0.5 grams of minus 80 mesh sample fraction was weighed into a test tube and digested with hot 70% perchloric and concentrated nitric acid. Samples were digested until all organic material was oxidized (approximately four hours).
4. Digested samples were diluted to 25 ml volume with demineralized water and mixed thoroughly. Solutions were settled until clear.
5. Copper was analysed in aqueous solution with Techtron A-A-6 Atomic Absorption Unit.

The Chemex Labs Ltd. "Certificates of Analyses" are included in Appendix I.

The soil geochemical data from the GJ property was grouped into families and plotted as a probability log distribution (Figure 2). From this it can be seen that approximately 120 ppm copper is anomalous.

Examination of the sample results indicated that much of the property is covered with transported overburden, as evidenced by very low values over parts of the plateau. Despite this problem, the survey outlined a copper anomaly to the north and east of the main showing in Groat Creek. Interesting values extended to the northwest corner of the main grid but ended abruptly on the plateau where overburden problems were encountered. To the east of the showing, good geochemical values extend as far as 34 E on the south slope of the plateau. Occasional good values were obtained on the plateau where overburden thickness is at a minimum. The soil samples collected to the south of the main grid generally gave low values. The geochemistry results are presented on Plate I.

The survey indicated that the overburden is primarily a clay till with rounded and/or angular fragments of various lithologies. In the northeast corner of the survey grid, occurred a red-brown, well-sorted glacio-fluvial sand which completely masked reliable geochemical results. The sand gradually diminished to the south and west.

#### D. CONCLUSIONS

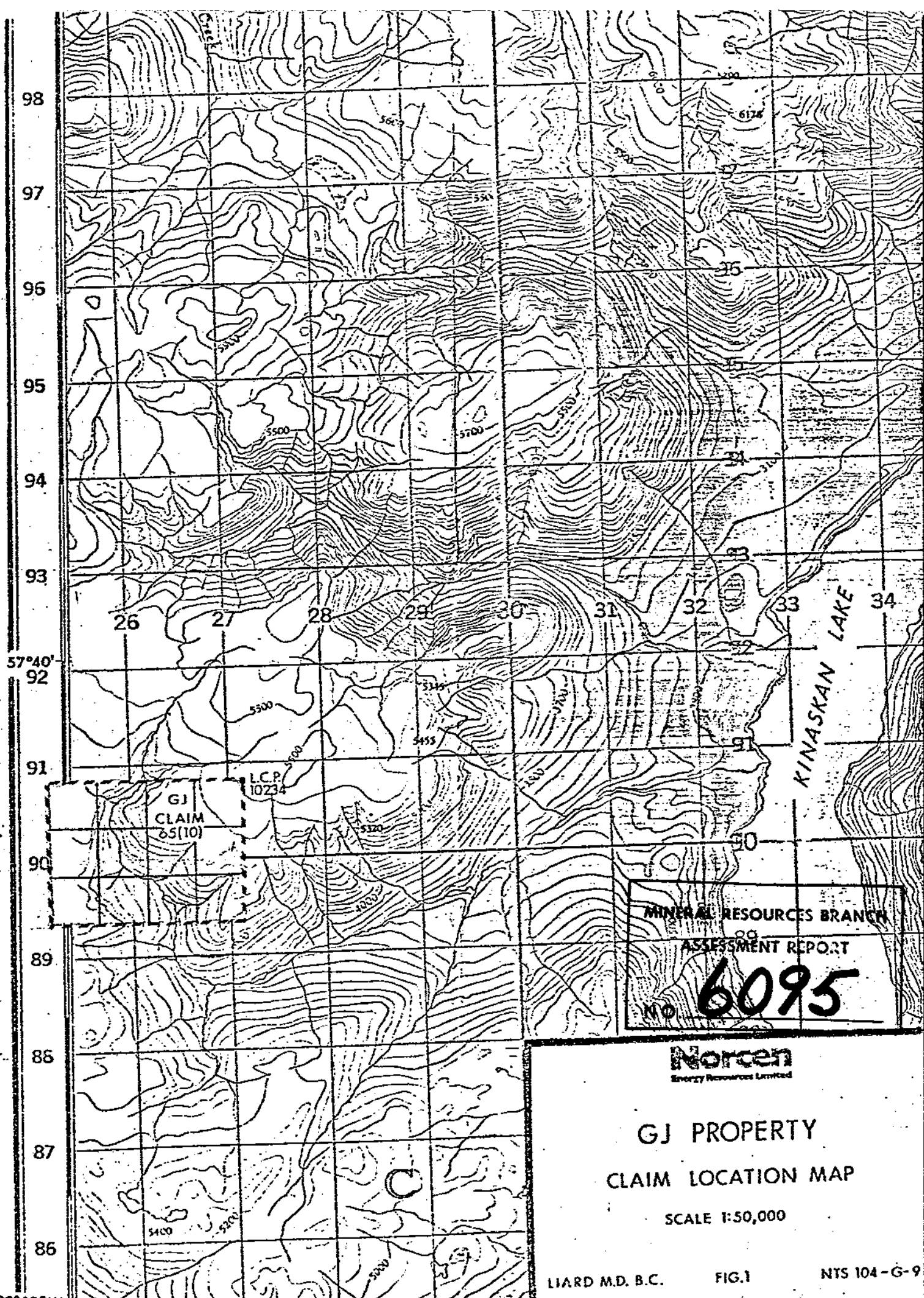
Despite the transported overburden problem, a broad copper anomaly was found to exist to the north and east of the main showing in Groat Creek. This anomaly appears to be restricted in the northwest corner and on the plateau to the east by the overburden.

#### E. RECOMMENDATIONS

1. In order to determine the nature and extent of the glacial overburden on the plateau, the services of a geochemical consultant should be obtained.
2. Upon his conclusions and recommendations, further deeper sampling techniques should be employed to penetrate the overburden to reliable, residual soils.

FIGURE 1

GJ CLAIM LOCATION MAP  
1: 50,000



57°40'

98  
97  
96  
95  
94  
93  
92  
91  
90  
89  
88  
87  
86

26 27 28 29 30 31 32 33 34

KINASKAN LAKE

GJ  
CLAIM  
85(10)

L.C.P.  
10234

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
NO. 6095

**Norcen**  
Energy Resources Limited

GJ PROPERTY  
CLAIM LOCATION MAP

SCALE 1:50,000

LIARD M.D. B.C.

FIG.1

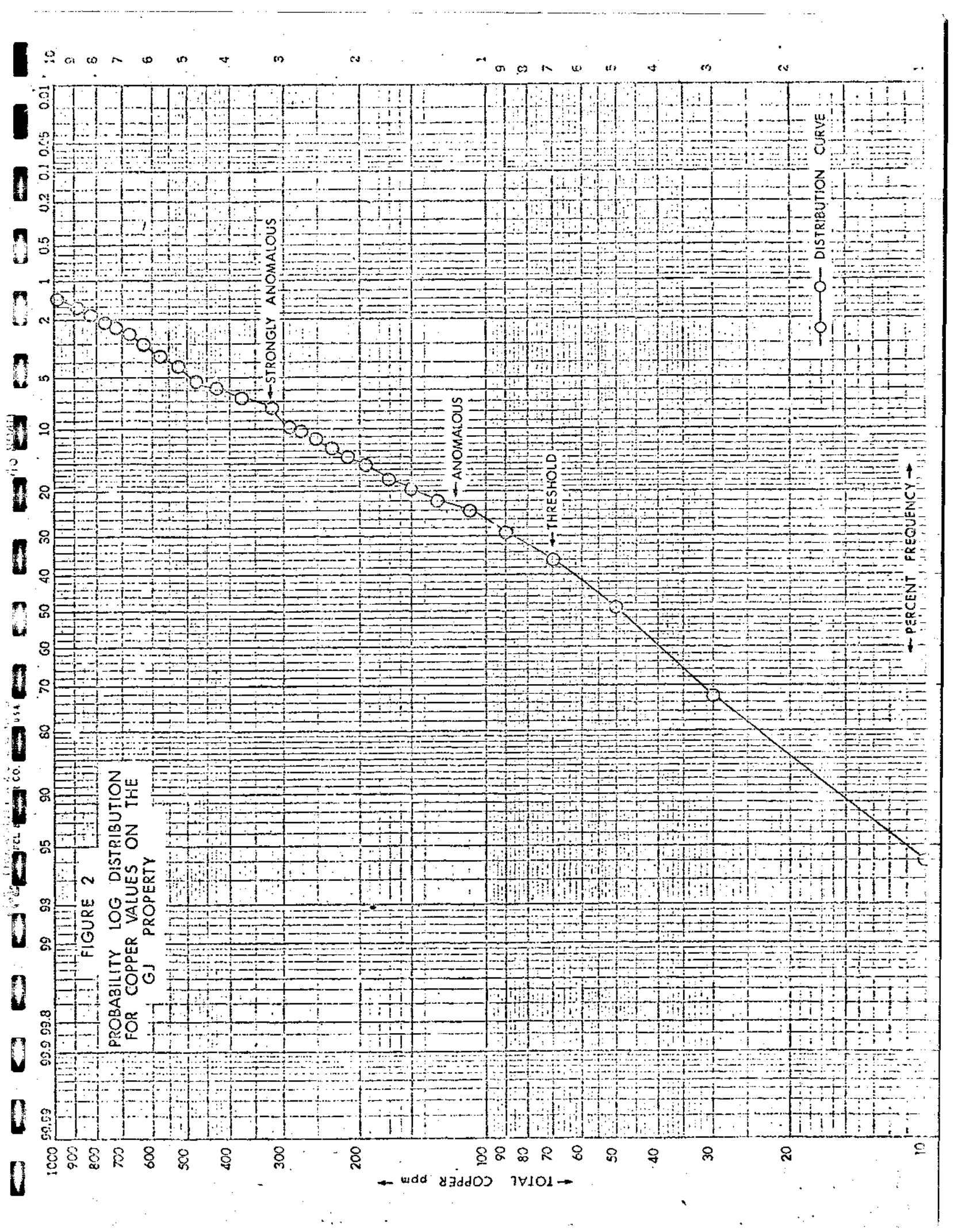
NTS 104-G-9

130°15'W



FIGURE 2

PROBABILITY LOG DISTRIBUTION FOR COPPER VALUES  
ON THE GJ PROPERTY



APPENDIX I

CERTIFICATES OF ANALYSES



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 37558

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th Ave., S.W.  
 Calgary, Alta.

GJ Group

INVOICE NO. 17223

RECEIVED July 7/76

ATTN:

cc: Mr. M. Mawer, Iskut

ANALYSED July 8/76

SAMPLE NO. :	PPM Copper
24+00E 4-100S	138
6	64
8	104
10	160
12	1320
24+00E 14+00S	100
22+00E 2+00S	72
4	190
6	76
8	148
10	138
12	230
22+00E 14S	74
20+00E 2S	54
4	64
6	96
8	230
10	635
12	141
20+00E 14S	114
18+00E 2S	146
4	480
6	355
8	710
10	523
12	500
18+00E 14S	910
16+00E 2+00S	156
4	500
6	78
8	650
10	420
12	82
16+00E 14S	175
26+00E 4+00S	300
6	83
8	154
10	570
12	295
26+00E 14S	138
0+00N 0+00E	108
Std.	102



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *[Signature]*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th Ave. S. W.  
 Calgary, Alta.

GJ Group

CERTIFICATE NO. 37559  
 INVOICE NO. 17223  
 RECEIVED July 7/76  
 ANALYSED July 9/76

ATTN: cc: Mr. M. Mawar, Iskut

SAMPLE NO. :	PPM
	Copper
0+00N 2E	41
4	136
6	342
8	385
10	670
12	205
14	480
16	363
18	250
20	64
22+15E	50
24	86
26	12
27+50	16
0+00N 34E	16
32+00E 4S	148
6	650
8	118
10	500
12	635
32+00E 14S	102
30+00E 4S	41
6	310
8	100
10	510
12	275
30+00E 14S	82
28+00E 4S	650
6	46
8	260
10	430
12	275
28+00E 14S	96
0+00W 2N	28
4	54
6	88
10	68
12	168
0+00W 14N	54
2+00E	63
Std.	100



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*San Hussein*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th Ave. S.W.  
 Calgary, Alta.

GJ Group

ATTN:

cc: Mr. M. Mawer, Iskut

CERTIFICATE NO. 37560

INVOICE NO. 17223

RECEIVED July 7-76

ANALYSED July 9/76

SAMPLE NO. :	PPM
	Copper
2+00E 4N	63
6	21
8	54
10N	102
12	168
2+00E 14N	342
4+00E 2N	190
4	96
6	152
8	43
10	800
12	3070
4+00E 14N	205
6+00E 2N	320
4	154
6	260
8	385
10	300
12	730
6+00E 14N	90
8+00E 2N	1060
4N	102
6	168
8	175
10	363
12	190
8+00E 14N	136
10+00E 8N	400
10	205
12	480
10+00E 14N	56
12+00E 8N	570
10	200
12	275
12+00E 14N	51
32E 2S	190
2+50N	62
4N	34
6	38
32E	40
Std. 100	



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*Stan Amosini*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th Ave., S.W.  
 Calgary, Alta.

ATTN:

GJ Group

cc: Mr. M. Mawer, Iskut

CERTIFICATE NO. 37561

INVOICE NO. 17223

RECEIVED July 7/76

ANALYSED July 9/76

SAMPLE NO. :	PPM
	Copper
32E 10N	46
34E 10N	26
8N	44
4+180N	7
4N	16
2N	48
2S	168
4S	46
34E 6S	175
36E 2N	18
2S	88
36E 4S	146
38E 4S	40
38E 6S	48
40E 4S	53
40E 6S	36
4+00S 42E	30
44E	34
46E	63
48E	52
50E	24
52E	51
4+00S 54E	20
6+00S 42E	40
44E	86
46E	58
48E	18
6+00S 50E	46
2+00S 44E	60



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*[Signature]*



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CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

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## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
Mineral Exploration  
1715 - 5th Ave., S.W.  
Calgary, Alta.

ATTN: cc: R. Durfield

CERTIFICATE NO. 37659  
INVOICE NO. 17322  
RECEIVED July 14/77  
ANALYSED July 16/77

SAMPLE NO. :	PPM Copper
2 + 00N 14E	209
16	222
18	241
2 + 00N 20	84
8 + 00S 34	262
36	100
38	73
40	54
42	51
44	51
46	84
48	60
8 + 00S 50	63
10 + 00S 48	64
10 + 00S 50	100
10 + 30S 52	48
10 + 00S 54+20'	62
12 + 00S 36	78
38	72
40	59
42	80
44+725	222
46	248
48	63
50	33
52	74
12 + 00S 54	110
14 + 00S 50+50'E	70
10 + 00E 2N	215
4	521
6N	760
10 + 00E 2S	920
12 + 00E 2N	197
4	241
6N	323
2S	1160
4	1160
6	255
8	304
12 + 00E 10S	255
STD.	102



MEMBER  
CANADIAN TESTING  
ASSOCIATION

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# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
Mineral Exploration  
1715 5th Ave. S. W.  
Calgary, Alta.

GJ

ATTN:

cc: C.Q.Winter

CERTIFICATE NO. 37695  
INVOICE NO. 17337  
RECEIVED July 19/76  
ANALYSED July 20/76

SAMPLE NO. :	PPM
	Copper
BL 0+00N 38E	52
40	60
42	58
44	66
46	64
48	54
50	62
52	58
BL 0+00N 54	54
14+00S 34	34
36	235
38	106
40	58
42	78
44	175
46	58
14+00S 48	24
12+00S 34+15E	86
4+00S 48+00E	66
2+00S 48E	52
50	51
52	42
2+00S 54E	28
54+00E 1+70N	20
2+140N	36
4+150N	21
8N	31
10	38
54+00E 12N	44
52+00E 2N	46
4N	52
6	16
8	21
10	31
12	56
52+00E 14N	44
50+00E 2N	28
4	44
6	36
50+00E 8N	10
Std.	104

)  
) Extra samples not on list.



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:

*Hayes*



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212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

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## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th. Ave. S. W.  
 Calgary, Alta.

GJ

ATTN:

cc: C.Q.Winter

CERTIFICATE NO. 37696

INVOICE NO. 17337

RECEIVED July 19/76

ANALYSED July 20/76

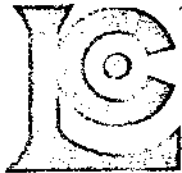
SAMPLE NO. :	PPM
	Copper
50+00E 10N	34
12	24
50+00E 14N	46
48+00E 2N	33
4N	missing - not in shipment
6N	84
8N	38
10N	16
12N	24
48+00E 14N	31
46+00E 2N	51
4N	84
6N	124
8N	33
46+00E 10N	22
W + 0S	63
11S	50
12S	28
13S	36
14S	38
W 15S	38
0+00W 6S	22
8S	50
10S	28
12S	28
0+00W 14S	22
2+00E 2S	34
4S	84
6S	68
8S	31
10S	96
12S	48
2+00E 14S	30
4+00E 2S	41
4S	56
6S	42
8S	54
10S	225
12S	72
4+00E 14S	54
Std.	100



MEMBER  
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 ASSOCIATION

CERTIFIED BY:

*Harrell*



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212 BROOKSBANK AVE.  
NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
Mineral Exploration  
1715 5th Ave., S. W.  
Calgary, Alta.

GJ

ATTN:

cc: C.Q.Winter

CERTIFICATE NO. 37697

INVOICE NO. 17337

RECEIVED July 19/76

ANALYSED July 20/76

SAMPLE NO. :	PPM Copper
6+00E 2S	56
4S	40
6S	58
8S	76
10S	70
12S	100
6+00E14S	33
8+00E 2S	880
4S	1080
6S	60
8S	40
10S	134
12S	88
8+00E 14S	26
10+00E 4S	1000
6S	1380
8S	840
10S	442
12S	323
10+00E 14S	148
14+00E 6N	620
8+50N	120
10N	146
12N	183
14+00E 14N	96
16+00E 6N	361
8N	232
10N	295
12N	58
16+00E 14N	30
18+00E 6N	840
8N	191
10N	120
12N	183
18+00E 14N	286
20+00E 8N	124
10N	270
12N	228
20+00E 14N	100
Std.	104



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY:

*Hart Biele*

APPENDIX 3

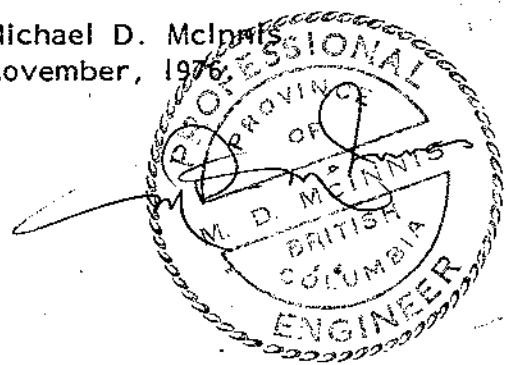
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Michael D. McInnis, with residence at 6550 Silver Springs Way, N.W. in the city of Calgary, Alberta, declare

1. that I graduated from the University of British Columbia in 1969 with an Honours B.Sc., in geology,
2. that since graduation I have been employed as an exploration geologist in British Columbia, Yukon and the Arctic Islands,
3. that I am presently Exploration Supervisor, Base Metals for Great Plains Development Company of Canada, Ltd.,
4. that I have successfully passed the exams necessary for entrance into the Professional Engineers Society of British Columbia and hold a non-residence licence granted by that society.

Michael D. McInnis  
November, 1976



## STATEMENT OF QUALIFICATIONS

I, Colin Q. Winter, of 2891 W 29 Avenue, Vancouver, British Columbia do declare that:

1. I graduated in 1972 from St. Peter's College of the University of Oxford with an Honours B.A. in geology.
2. From September, 1972 until the Spring of 1973 I attended the Graduate School of the Faculty of Geology at Calgary University. Course work there included two ore deposits courses and work towards an Economic Geology Master's Degree.
3. During the summers of 1970 and 1971 I was employed as an exploration geologist in Morocco and in Australia respectively.
4. After graduation I was employed with Union Oil of Canada Ltd., for fifteen months as an Arctic exploration geologist.
5. I was employed during the summer of 1975 and 1976 as a field exploration geologist for Great Plains Development Company of Canada, Ltd.

Colin Q. Winter  
November, 1976

STATEMENT OF QUALIFICATIONS

I, Douglas R. Good, of 262 Silver Hill Crescent, N.W., in the city of Calgary, Alberta, declare

1. that I graduated from the University of Alberta in 1976 with a Bachelor of Science degree majoring in Geology,
2. that I have had three years of summer field experience in mineral exploration, two of which were in the British Columbia Cordillera,
3. that I am presently employed by Norcen Energy Resources Limited as a geologist.

Douglas R. Good  
November, 1976





APPENDIX 2

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES

SALARIES:

C. Q. Winter	9 days @\$50/day	\$ 450.00
D. R. Good	9 days @\$50/day	<u>\$ 450.00</u>
		\$ 900.00

SUPERVISION:

M. D. McInnis		\$ 125.00
---------------	--	-----------

TRAVEL AND EXPENSES		\$ 900.00
---------------------	--	-----------

HELICOPTER CHARTER - 2 hours at \$339/hour		\$ 678.00
--------------------------------------------	--	-----------

CAMP SUPPLIES AND COSTS - \$30/man/day		\$ 540.00
----------------------------------------	--	-----------

MISCELLANEOUS		\$ 465.00
---------------	--	-----------

SAMPLE ANALYSIS		\$1,022.72
-----------------	--	------------

REPORT PREPARATION AND DRAFTING		<u>\$ 500.00</u>
---------------------------------	--	------------------

TOTAL -		<u><u>\$5,130.72</u></u>
---------	--	--------------------------



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 37760

TO: Norcan Energy Resources  
 Mineral Exploration  
 1715 - 5th Ave., S.W.  
 Calgary, Alta.

INVOICE NO. 17390

RECEIVED July 22/77

ATTN:

cc: Colin Winter, Iskut

ANALYSED July 23/77

SAMPLE NO. :	PPM
	Cooper
22E 2N	92
4	148
8	191
12	304
14	51
24E 2N	180
4	60
6	Sample Missing
8	203
10	355
12	197
24E 14N	241
25E 2S	92
2N	42
4	106
6	Sample Missing
8	70
10	52
12	146
25E 14N	482
28E 2+100S	323
2N	191
4	110
6	30
8	63
10	51
12	66
28E 14N	118
30E 2S*	255
4N	116
6	82
8	63
10	51
12	44
30E 14N	22
32E GF50S	75
12N	60
32E 12+100N	21
34E 10S	148
30E 2N*	72
STD.	102



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*R. White*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 - 5th Ave., S.W.  
 Calgary, Alta.

CERTIFICATE NO. 37761

INVOICE NO. 17390

RECEIVED July 22/76

ATTN: cc: C. Winter, Iskut

ANALYSED July 23/76

SAMPLE NO. :	PPM Copper
34E 12N	31
34E 14N	44
35E 10+100S	40
4N	56
6N	56
8N	62
10N	72
12N	44
36E 14N	70
38E 2S	96
10S	120
2N	40
8	56
10	58
38E 12N	52
38E+50E 12+75N	78
40E 2S	110
10S	88
2N	31
4+2S	34
40E 6+100	26
40 +15E 8N	74
40E 10N	80
39+100E12N	51
40E 14N	42
42E 2S	70
10S	64
2N	63
4	74
6	68
8	33
42E 10+40	33
42E 14+30N	54
44E 2S	31
2N	63
4	83
6	56
8	64
10	36
44E 12N	28
46E 2S	41
STD.	100



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*R. Leites*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS     • GEOCHEMISTS     • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: **Norcen Energy Resources**  
**Mineral Exploration**  
**1715 - 5th Ave., S.W.**  
**Calgary, ALTA.**

ATTN:

cc: **C. Winter**

CERTIFICATE NO. **37762**  
 INVOICE NO. **17390**  
 RECEIVED **July 22/76**  
 ANALYSED **July 23/76**

SAMPLE NO. :	PPM Copper
46E 12+30N	16
46E 14N	34



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *B. Winter*



# CHEMEX LABS LTD.

212 BROOKSBANK AVE.  
 NORTH VANCOUVER, B.C.  
 CANADA V7J 2G1  
 TELEPHONE: 985-0648  
 AREA CODE: 604  
 TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

CERTIFICATE NO. 37798

INVOICE NO. 17421

TO: Norcen Energy Resources  
 Mineral Exploration  
 1715 5th Ave., S. W.  
 Calgary, Alta.

RECEIVED July 26/76

ANALYSED July 27/76

ATTN:

see C. Q. Water

SAMPLE NO. :	PPM
	Copper
OE 16S	46
18	24
20	54
22	46
24	48
26	26
28	110
30	38
32	33
34	21
OE 36S	40
O+5OE 8N	33
16S	20
18	26
20	108
22	31
24	62
26	33
28+30	24
30S	34
32S	16
34S	28
2E 36S	31
6E 16S	22
18	26
20	14
22	46
24+30	64
26	50
28+50	28
30	13
32	24
34	44
6E 36S	33
10E 16S	64
18	22
20	36
22	31
24	41
10E 26	18
Std.	100



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*[Handwritten signature]*





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 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources,  
 Mineral Expl.,  
 1715 - 5th Ave. S.W.,  
 Calgary, Alberta

ATTN: cc: C. Winter, Iskut

CERTIFICATE NO. 37940  
 INVOICE NO. 17589  
 RECEIVED Aug. 3/76  
 ANALYSED Aug. 4/76

SAMPLE NO. :	PPM Copper
14E 16S	26
18	31
20	26
22	36
24	33
26	30
28	33
30	20
32	41
34	18
14E 36S	31
18E 16S	313
18	22
20	76
22	42
24	40
26	22
28	16
30	33
32	26
34	21
18E 36S	21
22E 16S	98
18	51
20	13
22	18
24	58
26	34
28	60
30	33
32	31
34	28
22E 36S	31
26E 16S	197
18	76
20	24
22	31
24	46
26	16
26E 23S	52



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY: *Hart*





# CHEMEX LABS LTD.

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 NORTH VANCOUVER, B.C.  
 CANADA V7J 2C1  
 TELEPHONE: 985-0648  
 AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcea Energy Resources,  
 Mineral Expl.,  
 1715 - 5th Ave., S.W.,  
 Calgary, Alberta

ATTN: cc: C. Winter, Iskut

CERTIFICATE NO. 37942  
 INVOICE NO. 17589  
 RECEIVED Aug. 3/76  
 ANALYSED Aug. 4/76

SAMPLE NO. :	PPM
	Copper
26K 30S	131
32	20
34	24
26E 36S	40
30E 16S	70
18	64
20	26
22	20
24	86
26	54
28	58
30	74
32	13
34	12
30E 36S	16
34E 16S	191
18	26
20	44
22	110
24	116
26	62
28	78
30	313
32	18
34	18
34E 36S	26
38E 16S	20
18	26
20	64
22	94
24	122
26	56
28	26
30	36
32	26
34	34
38E 36S	40
42E 16S	44
18	42
42E 20S	175



MEMBER  
 CANADIAN TESTING  
 ASSOCIATION

CERTIFIED BY:

*Handwritten signature*



# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources,  
Mineral Expl.,  
1715 - 5th Ave. S.W.,  
Calgary, Alberta

ATTN: cc: C. Winter, Iskut

CERTIFICATE NO. 37942  
INVOICE NO. 17589  
RECEIVED Aug. 3/76  
ANALYSED Aug. 4/76

SAMPLE NO. :	PPM
	Copper
42E 22S	118
24	90
26	46
28	38
30	56
32	74
34	26
42E 36S	30
46E 16S	94
18	126
20	86
22	36
24	86
24+150'	30
28	46
30	34
32	40
34	66
46E 36S	41
50E 16S	33
18	80
20	46
22	46
24	118
26	30
28	28
30	46
32	64
34	51
50E 36S	58
52E 14S	26
54E 14S	31
16	21
18	28
20	33
22	68
24	66
26	50
28	84
54E 30S	74



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY: *Hasthalla*



# CHEMEX LABS LTD.

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NORTH VANCOUVER, B.C.  
CANADA V7J 2C1  
TELEPHONE: 985-0648  
AREA CODE: 604

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

## CERTIFICATE OF ANALYSIS

TO: Norcen Energy Resources,  
Mineral Expl.,  
1715 - 5th Ave. S.W.,  
Calgary, Alberta

ATTN:

cc: C. Winter, Iskut

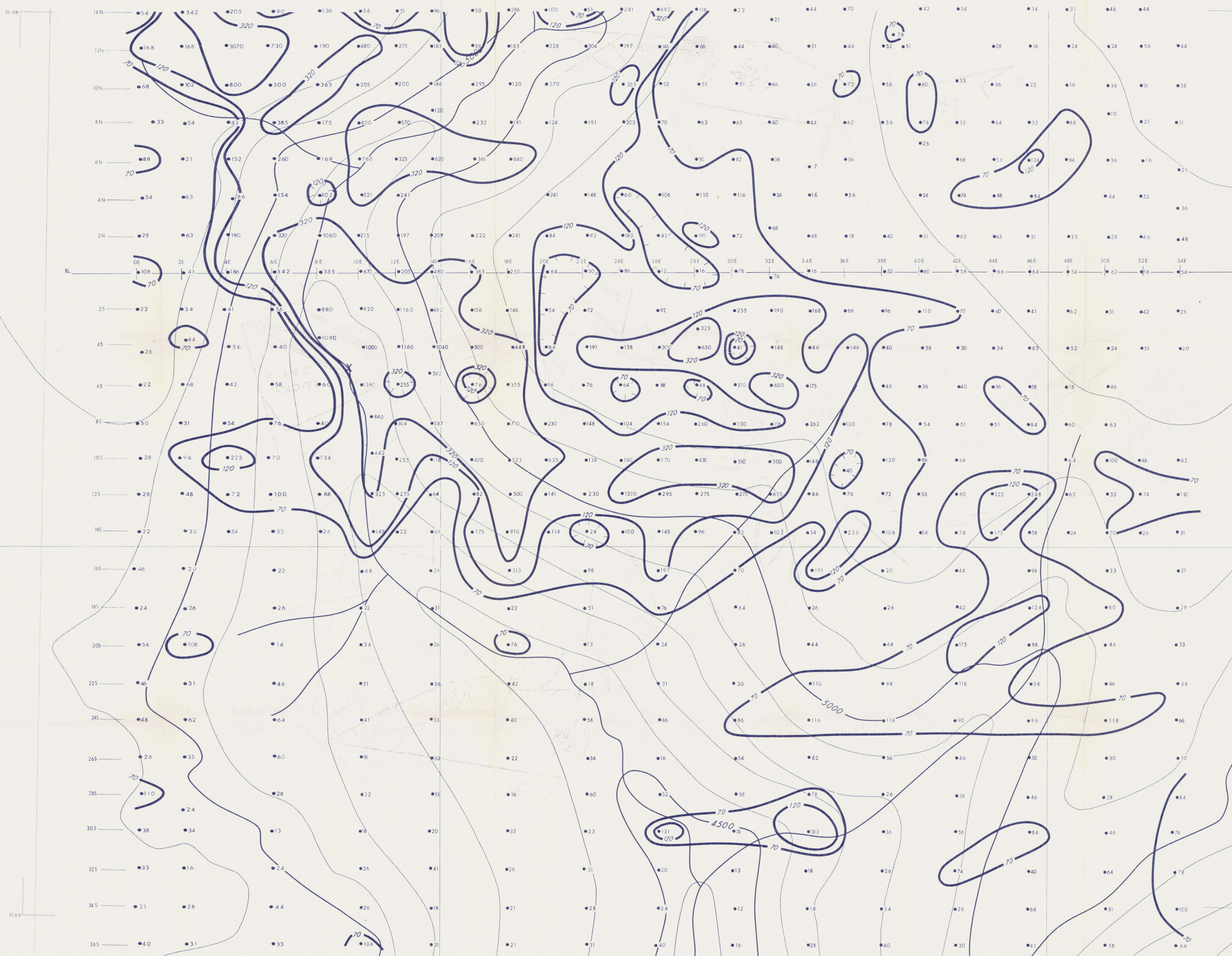
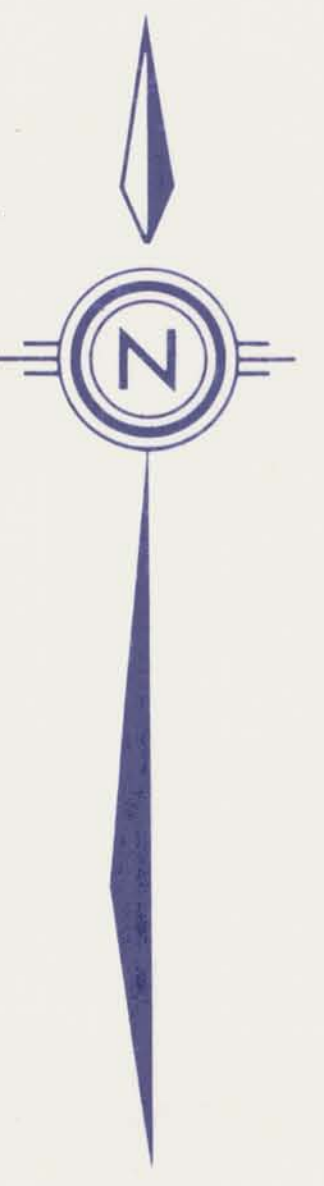
CERTIFICATE NO. 37943  
INVOICE NO. 17589  
RECEIVED Aug. 3/76  
ANALYSED Aug. 4/76

SAMPLE NO. :	PPM
54E 32S	78
34	100
54E 36S	66



MEMBER  
CANADIAN TESTING  
ASSOCIATION

CERTIFIED BY: Harold B. Baker



Legal Corner Post  
05.06  
102.34

MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
No. 6095  
MAP NO. #1

6095



LEGEND

- Background 0-70 ppm
- Threshold 70-120 ppm
- Anomalous > 120 ppm
- Strongly Anomalous > 320 ppm
- Sample Location (Cu values in ppm)
- Topographical Contours (100' interval)
- Geochemical Value Contours (70, 120, 320 ppm intervals)
- Grid Line (station)
- Main Showing
- Claim Boundary Corners

**Norcen**  
Energy Resources Limited  
BRITISH COLUMBIA

**G.J. PROPERTY**  
COPPER GEOCHEMISTRY  
average sample depth - 8" - 10"

Scale: 1" = 100' (0 100 200 400 FEET)

MAP NO. #1

PLATE 1