

6635
part 2 of 4

GEOCHEMICAL SURVEY

SIMILKAMEEN M.D. B.C.

92-H-7E

NORMA CLAIM #207 (4)

10 UNITS

120 - 50 SE 1-11-77 : 8-12-77

Alfred R. Allen, P. Eng.

For:

GILFORD RESOURCES LTD.

302 - 750 West Pender Street
Vancouver, B.C.

By:

ALLEN GEOLOGICAL ENGINEERING LIMITED

203 - 2025 Bellevue
West Vancouver, B.C. V7V 1B9

December 30, 1977.

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT

NO.

6635

MAP NO.

PART 2 OF 4

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INTRODUCTION (A)

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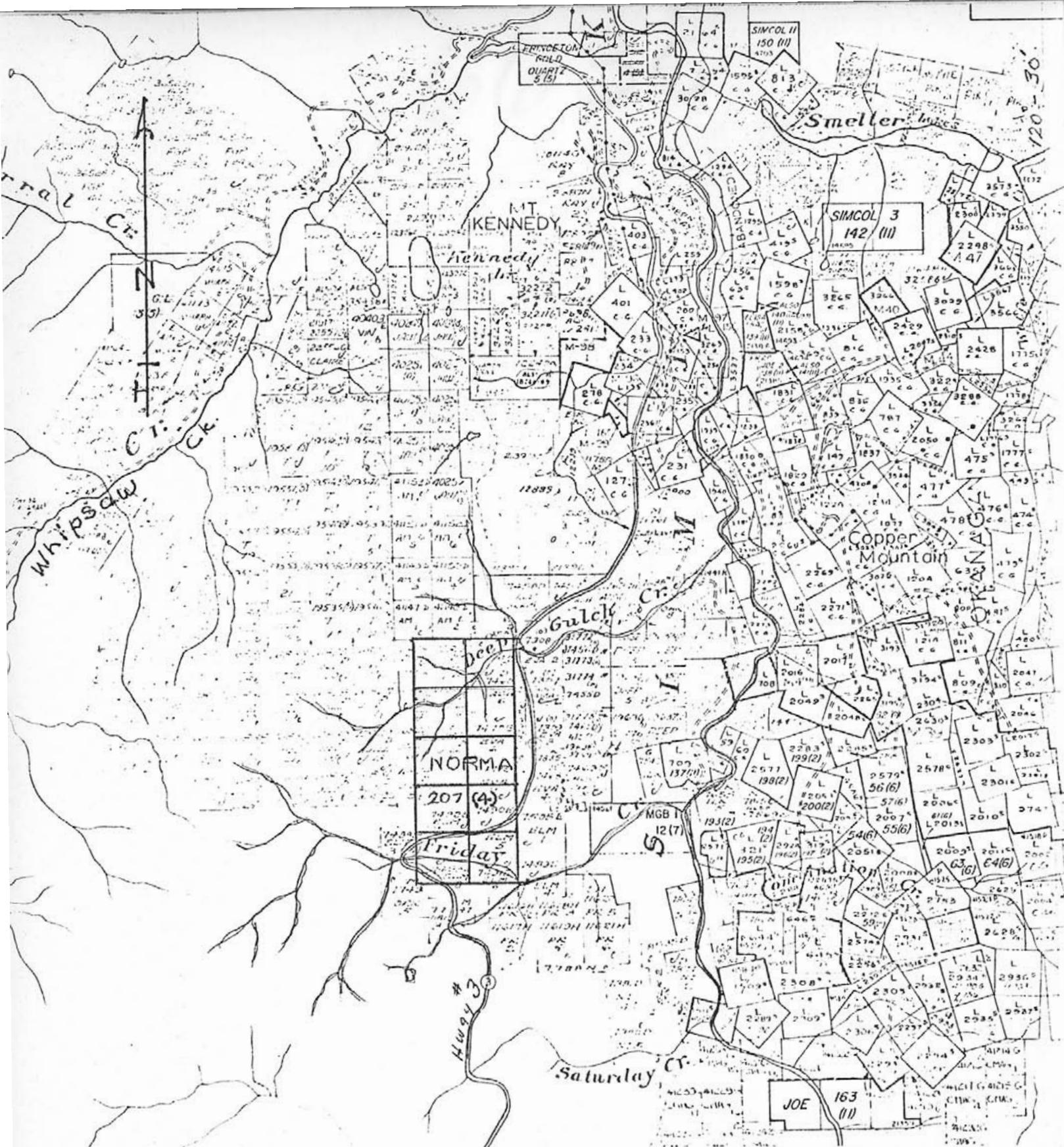
ACCOUNTS:

- A. Total Personnel: Dates worked, man days.....10.
- B. Subject Survey Costs: Personnel, rates/day
All field & Office.....11.

MAPS:

- 1. Location
 - 2. Property
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- ASSAY CERTIFICATES (5)

* * * * *



GILFORD RESOURCES LTD.
INDEX
PROPERTY MAP

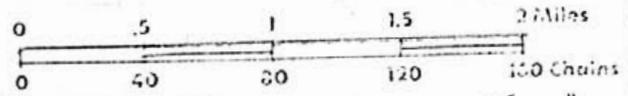
NORMA 1-10 207 (4)

No. 2

30/12/77

Allen Geological Engineering Ltd.

Per Allen P. Eng.



SCALE

Sunday Cr. 49°-15' 92H-7E

GEOCHEMICAL SURVEY

NORMA CLAIM

1-11-77 : 8-12-77

INTRODUCTION

Soil samples were taken from the Norma claim at the "B" horizon of overburden, and assayed for copper.

The samples were taken over a surveyed grid at 100 metre intervals on east-west lines at 150 metre spacing. Over the northern two-thirds of the property, additional lines were located at 75 metre spacing.

Field work by Alfred R. Allen, P.Eng., Thomas Thomas and Richard Thomas was started November 1, 1977 and completed December 8, 1977.

Base of operations was Princeton, B.C.

LOCATION AND ACCESSIBILITY

The Norma claim is located on the west side of the Hope-Princeton Highway between Friday and Deep Gulch Creeks, 15 miles southerly from Princeton.

This is $120^{\circ} - 34'$ west longitude and $49^{\circ} - 18'$ north latitude, about 4 kilometres southwesterly from Copper Mountain.



GILFORD RESOURCES LTD.

LOCATION MAP

SCALE: 1" = 136 MIs.

Drawn by _____ Date 30/12/77
 Checked by _____ Dwg no. 1

Allen Geological
 ALLEN GEOLOGICAL
 ENGINEERING LTD.

PROPERTY

The Norma claim legal corner post is 2,500 metres north of Friday Creek, and 60 metres west of Highway #3.

The metal tag attached to the post is #35043.

The claim is 5 units south by 2 units west.

It was staked by John Turner, March 7 and 8, and recorded March 17, 1977. It is designated as #207 on the B.C. Ministry of Mines and Petroleum Resources Map #92 H - 7 E.

HISTORY

J.W. Galagher prospected and staked the area in 1952.

Deep Gulch Mines held it in the late 1950's.

In 1968, Oro Mines acquired the property and completed some geophysical investigations, trenching and drilling.

Gilford Resources Ltd., purchased the Norma claim in the summer of 1977.

GEOLOGY

Exposures of the Copper Mountain intrusives lie close to the east boundary of the Norma property.

Most of the claim is underlain by Nicola volcanics but a capping of Princeton volcanics is located on the southerly portion.

The Nicola rocks are altered, faulted and sheared.

Quartz veins and pyritized sections have been exposed by trenching.

TOPOGRAPHY

The property lies between elevations 3,700 and 4,800 feet above sea level on the northeast slopes of Friday Mountain.

Friday and Deep Gulch Creeks flow easterly and northeasterly across the property and into the Similkameen River.

GRID CONTROL

A grid was surveyed by chain and Brunton compass over the property. A base line was located along the east boundary and west lines were run every 150 metres to the west boundary. Intermediate lines were located at 75 metre intervals over the north two-thirds of the area. Stations were established at 50 metre intervals along the lines.

Lines were blazed and flagged and stations were marked with location numbers.

The grid is shown on the accompanying map #2 on a scale of 1cm = 50 metres.

GEOCHEMICAL SURVEY

From each grid station a sample of soil was acquired from the "B" horizon. Each sample was placed in a heavy paper sample envelope. Each envelope was marked with the date, grid location number and sampler.

Over 26.5 line kilometres, 268 samples were taken.

The samples were dried, screened to -80 mesh and assayed for copper by acid extraction and atomic absorption in the General Testing Laboratories, 100 East Pender Street, Vancouver, B.C.

Sample results are included with this report and shown on the accompanying map #3.

SURVEY RESULTS

The copper content of 264 soil samples taken over the Norma claim averaged 16.6% parts per million copper.

The samples are classified as follows:

<u>p.p.m. copper</u>	<u>Description</u>	<u>Number</u>	<u>%</u>
4-19	Trace content	217	81.88
20-39	Minor content	39	14.72
40-59	Weakly anomalous	7	2.64
60-79	Moderately anomalous	1	0.38
80 +	Strongly anomalous	1	0.38

Anomaly #1.

On the northeast corner of the property, an area covered by overburden.

Range 72-80 p.p.m. copper

Anomaly #2.

100 x 150 metres on the east boundary at 6+ 75 S.

Trenches to the south at 11+ 75 S. expose strong alteration, faulting, silicification and pyritization.

Range 41-86 p.p.m. copper

Anomaly #3.

A "spot" sample of 45 p.p.m. copper at 10+ 50 S on the east boundary.

Trenching at 11+ 25 S expose strong alteration, faulting, silicification and pyritization.

Anomaly #4.

A "spot" sample of 57 p.p.m. copper at 7 W on line 4 + 50 S.

Anomaly #5.

A "spot" sample of 50 p.p.m. copper at 9 W on line 11 + 25 S.

Anomaly #6.

A "spot" sample of 47 p.p.m. copper at 6 W on line 22 + 50 S.

Anomaly #7.

A "spot" sample of 48 p.p.m. copper at 7 + 50 W on line 8 + 25 S

Anomaly #8.

A "spot" sample of 50 p.p.m. copper at 5 W on line 6 S.

These anomalies are surrounded by areas of minor copper content - (20 - 39 p.p.m. copper).

SUMMARY AND CONCLUSIONS

The Norma property is located southwesterly from the Similkameen mine and the former Copper Mountain mine.

The northerly three-fifths of the area of the property is underlain by the Nicola group of volcanic rocks and the remaining two-fifths to the south, is capped by Tertiary volcanic rocks of the Princeton Group.

Strong alteration and heavy faulting is exposed by trenching near the east boundary in the andesitic Nicola rocks. In addition, quartz veins, silicification, and pyritization is evident in the trenched areas.

Anomalous zones 1, 2, 3, and 5 appear to warrant further investigation.

It is concluded that stripping and trenching to expose bedrock will be necessary to assess the anomalous zones, and that no additional soil sampling is necessary.

Respectfully submitted,

ALLEN GEOLOGICAL ENGINEERING LIMITED

Per Alfred R. Allen P.Eng.
Alfred R. Allen

Vancouver, B.C.

December 30, 1977.

a.

Allen Geological Engineering Limited

203 - 2025 Bellevue
West Vancouver, B.C. V7V 1B9

926-4785

CERTIFICATE

December 27, 1977.

I, Alfred R. Allen, certify that:

I am a graduate of the University of British Columbia
and hold the following degrees therefrom:

BASc Geological Engineering 1939

MASc Geological Engineering 1941

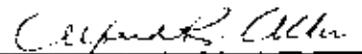
I am a member of the Association of Professional Engineers of
the Province of British Columbia.

I have practised my profession for the past thirty years.

I hold no interest in the properties or securities of Gilford
Resources Ltd., or affiliates thereof, nor do I expect to
receive any, directly or indirectly.

The accompanying report on the Norma property is based on
field work done by the writer during November - December, 1977.

I consent to this report being filed with the British Columbia
Securities Commission.



Alfred R. Allen

Allen Geological Engineering Limited

#203 - 2025 Bellevue
West Vancouver, B.C.

V7V 1B9

926-4785

December 27, 1977.

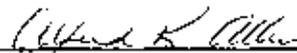
British Columbia Securities Commission
756 Fort Street
Victoria, B.C.

Dear Sirs:

Re: Gilford Resources Ltd.

I hereby consent to the use of my report on the Norma property, Copper Mountain Area, Similkameen M.D., B.C., in any prospectus or Statement of Material facts or other material to be filed with the British Columbia Securities commission or the Vancouver Stock Exchange by Gilford Resources Ltd.

Yours very truly,



Alfred R. Allen P. Eng.

For:

ALLEN GEOLOGICAL ENGINEERING LIMITED

THE NORMA PROPERTYSIMILKAMEN M.D., B.C.120 - 50 SEPERSONNEL AND TIME

GRID
 GEOLOGICAL SURVEY
 GEOCHEMICAL SURVEY
 MAGNETOMETER SURVEY
 ELECTROMAGNETIC SURVEY
 TRENCHING

Alfred R. Allen, P.Eng., Field

	<u>Grid,</u>	<u>Geol.</u>	<u>Geochem.,</u>	<u>Mag.</u>	<u>EM</u>	<u>Trenches</u>	<u>Man Days</u>
Nov.77	-	16-20	22&23	24&25	26	•	10
Dec.77	-	--	--	--	1,2,4,5,7	6	6

Tom Thomas and Richard Thomas, Field

Nov.77	1-9	10&11	12-18	19-24	25-30	--	60
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Alfred R. Allen, P.Eng., Reports and Maps

Dec.77	9-17,	19-22,	27-31				
Jan.78	3-10.						

GEOCHEMICAL SURVEYNORMA CLAIM - #207120 - 50 SESIMILKAMEEN M.D. B.C.For: GILFORD RESOURCES LTD.

OPERATOR: Alfred R. Allen, Geological Engineer, @ \$185.00 /day
 202 - 2025 Bellevue, West Vancouver, B.C.
 November 1 - 1977 - January 10, 1978.

ASSISTANTS: Thomas Thomas, Experienced field man, @ \$ 99.00 /day
 Richard Thomas, Field helper @ \$ 55.00 /day
 R.R. 4, Mission, B.C.
 November 1-30, 1977.

SURVEY

	<u>Man Days</u>	<u>Costs</u>
T. Thomas	7	\$ 693.00
R. Thomas	7	385.00
Alfred R. Allen	2	370.00

Data Processing, Mapping, Interpretation, Preparation

Alfred R. Allen	6	1,110.00
Transportation		160.00
Food		200.00
Supplies		35.00
Accommodation, 16 man days		300.00
Maps, reproductions, stenographic		35.00
Grid, (pro-rated)		330.00
Sample bags		6.75
Assaying 268 @ \$ 2.00 - Cu		536.00
Total costs,		<u>\$4,160.75</u>

GENERAL TESTING LABORATORIES

DIVISION SUPERINTENDENCE COMPANY (CANADA) LTD.

1001 EAST PENDER ST. VANCOUVER B.C. CANADA V6A 1W2
PHONE (604) 254-1011 TELEFAX (604) 254-1111 CABLE SUPERVISE

TO: ALLEN GEOLOGICAL ENGINEERING LTD.
203 - 2025 Bellevue Avenue
West Vancouver, B.C.
V7V 1B9

CERTIFICATE OF ASSAY

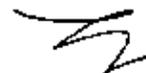
No. 7711-1461 DATE: Nov. 24/77

We hereby certify that the following are the results of assays on: Soil samples

MARKED	xxxx	Copper Cu (ppm)	xxxx	MARKED (Continued)	xxxx	Copper Cu (ppm)
BL 0 + 00		34		S4 + 50 - W5 + 00		14
0 + 00 - 1 + 00		72		W6 + 00		23
W2 + 00		21		W7 + 00		57
W3 + 00		25		W8 + 00		9
W4 + 00		23		S4 + 50 - W9 + 00		11
W5 + 00		21				
W6 + 00		16		BL 6 + 00		11
W7 + 00		21		S6 + 00 - W1 + 00		14
W8 + 00		21		W2 + 00		10
0 + 00 - W9 + 00		19		W3 + 00		7
				W4 + 00		14
BL 1 + 50		25		W5 + 00		50
S1 + 50- W1 + 00		18		W6 + 00		14
W2 + 00		19		W7 + 00		12
W3 + 00		5		W8 + 00		7
W4 + 00		4		S6 + 00 - W9 + 00		10
W5 + 00		4				
W6 + 00		36		BL 7 + 50		19
W7 + 00		10		S7 + 50 - W1 + 00		35
W8 + 00		10		W2 + 00		21
S1 + 50- W9 + 00		10		W3 + 00		17
				W4 + 00		15
BL 3 + 00		16		W5 + 00		14
S3 + 00- W1 + 00		25		W6 + 00		17
W2 + 00		27		S7 + 00		12
W3 + 00		20		S9 + 00		14
W4 + 00		16		S7 + 50 - S10 + 00		16
W5 + 00		18				
W6 + 00		18		BL 9 + 00		21
W7 + 00		32		S9 + 00 - W1 + 00		14
S3 + 00- W8 + 00		27		W2 + 00		9
				W3 + 00		14
BL W4 + 50		20		W4 + 00		16
S4 + 50- W1 + 00		11		W5 + 00		3
W2 + 00		7		W6 + 00		9
W3 + 00		16		W7 + 00		16
S4 + 50- W4 + 00		16		W8 + 00		14
				W9 + 00		9
				S9 + 00 - W10 + 00		16

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

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West Vancouver, B.C.
V7V 1B9

(Continued) ... page 2 ...

CERTIFICATE OF ASSAY

No. 7711-1461 DATE: Nov. 24/77

We hereby certify that the following are the results of assays on: Soil samples

MARKED	XXXX	Copper Cu (ppm)	XXXX	MARKED (Continued)	XXXX	Copper Cu (ppm)
BL 10 + 50		45		BL 13 + 50		19
S10 + 50- W1 + 00		14		S13 + 50- W1 + 00		15
W2 + 00		10		W2 + 00		10
W3 + 00		10		W3 + 00		6
W4 + 00		45		W4 + 00		8
W5 + 00		10		W5 + 00		10
W6 + 00		10		W6 + 00		14
W7 + 00		10		W7 + 00		27
W8 + 00		12		W8 + 00		15
W9 + 00		12		S13 + 50- W9 + 00		17
S10 + 50- W10 + 00		31				
BL 10 + 50(A)		17		BL 15 + 00		12
S10+50(A)- W1 + 00		10		S15 + 00 -W1 + 00		12
W2 + 00		14		W2 + 00		10
W3 + 00		17		W3 + 00		17
W4 + 00		14		W4 + 00		13
W5 + 00		10		W5 + 00		8
W6 + 00		14		W6 + 00		10
W7 + 00		10		W7 + 00		10
W8 + 00		10		W8 + 00		16
W9 + 00		50		S15 + 00- W9 + 00		9
S10+50(a)-W10 + 00		8				
BL 12 + 00		8		BL 16 + 50		11
S12 + 00 - W1 + 00		8		S16 + 50- W1 + 00		14
W2 + 00		4		W3 + 00		14
W3 + 00		10		W4 + 00		12
W4 + 00		10		W5 + 00		20
W5 + 00		19		W6 + 00		9
W6 + 00		8		W7 + 00		30
W7 + 00		8		W8 + 00		10
W8 + 00		25		S16 + 50- W9 + 00		12
W9 + 00		19				
S12 + 00 -W10 + 00		15		BL 18 + 00		55
				S18 + 00- W1 + 00		28
				W2 + 00		11
				W3 + 00		6
				S18 + 00- W4 + 00		14

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ALLEN GEOLOGICAL ENGINEERING LTD.

(Continued) .. page 3

CERTIFICATE OF ASSAY

No: 7711 - 1461 DATE: Nov. 24/77

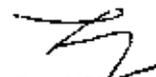
We hereby certify that the following are the results of assays on:

Soil samples

MARKED	XXXXXXXXXX		Copper	XXXX	MARKED	XXXX	Copper
			Cu (ppm)		(Continued)		Cu (ppm)
S18 + 00 - W5 + 00			8		BL 24 + 00		16
W6 + 00			14		S24 + 00- W1 + 00		22
W7 + 00			9		W2 + 00		11
W8 + 00			12		W3 + 00		12
S18 + 00 - W9 + 00			14		W4 + 00		20
BL 19 + 50			10		S24 + 00- W5 + 00		19
S19 + 50 - W1 + 00			17				
W2 + 00			12				
W3 + 00			18				
W4 + 00			11				
W5 + 00			11				
W6 + 00			11				
W7 + 00			14				
W8 + 00			14				
S19 + 50 - W9 + 00			14				
BL 21 + 00			20				
S21 + 00 - W1 + 00			34				
W2 + 00			12				
W3 + 00			12				
W4 + 00			12				
W5 + 00			14				
W6 + 00			12				
W7 + 00			18				
W8 + 00			14				
S21 + 00 - W9 + 00			12				
BL 22 + 50			9				
S22 + 50 - W1 + 00			23				
W2 + 00			11				
W3 + 00			14				
W4 + 00			17				
W5 + 00			47				
W6 + 00			12				
W7 + 00			11				
W8 + 00			31				
S22 + 50 - W9 + 00			11				

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103 EAST BENDER ST. VANCOUVER B.C. CANADA V6A 1W2
PHONE 601-2541641 TELEFAX 601-2541642 FACEL SUPERVISOR

TO: ALLEN GEOLOGICAL ENGINEERING LTD.
203 - 2025 Bellevue Avenue
West Vancouver, B.C.
V7V 1B9

CERTIFICATE OF ASSAY

No 7712-0953 DATE: Dec. 20/77

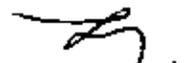
We hereby certify that the following are the results of assays on: Geochem samples

MARKED	XXXXXX XXXX XXXX		Copper	XXXX	MARKED	XXX	Copper
			Cu (ppm)		(CONTINUED)		Cu (ppm)
S0 + 75 - W0 + 50			80		S5 + 25 - W0 + 50		16
W1 + 50			16		W1 + 50		22
W2 + 50			16		W2 + 50		11
W3 + 50			23		W3 + 50		18
W4 + 50			27		W4 + 50		14
W5 + 50			20		W5 + 50		17
W6 + 50			25		W6 + 50		20
W7 + 50			23		W7 + 50		34
W8 + 50			18		W8 + 50		16
S0 + 75 - W9 + 50			14		S5 + 25 - W9 + 50		14
S2 + 25 - W0 + 50			8		S6 + 75 - W0 + 50		86
W1 + 50			13		W1 + 50		41
W2 + 50			15		W2 + 50		14
W3 + 50			28		W3 + 50		9
W4 + 50			30		W4 + 50		17
W5 + 50			11		W5 + 50		20
W6 + 50			28		W6 + 50		11
W7 + 50			8		W7 + 50		17
W8 + 50			8		W8 + 50		11
S2 + 25 - W9 + 50			10		S6 + 75 - W9 + 50		11
S3 + 75 - W0 + 50			28		S8 + 25 - W0 + 50		9
W1 + 50			15		W1 + 50		9
W2 + 50			16		W2 + 50		11
W3 + 50			8		W3 + 50		9
W4 + 50			10		W4 + 50		11
W5 + 50			20		W5 + 50		16
W5 + 50			23		W6 + 50		11
W7 + 50			13		W7 + 50		48
W8 + 50			15		W8 + 50		9
S3 + 75 - W9 + 50			13		S8 + 25 - W9 + 50		20

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TO:
ALLEN GEOLOGICAL ENGINEERING LTD.
203 - 2025 Bellevue Avenue
West Vancouver, B.C.
V7V 1B9

CERTIFICATE OF ASSAY

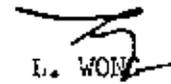
No: 7712-0953 DATE: Dec. 20/77

We hereby certify that the following are the results of assays on: Geochem samples

MARKED	XXXXXXXXXXXX		Copper	XXX	XXX	XXX	XXX	XXX
			Cu (ppm)					
S9 + 75 - W0 + 50			14					
W1 + 50			23					
W2 + 50			14					
W3 + 50			11					
W4 + 50			18					
W5 + 50			9					
W6 + 50			11					
W7 + 50			16					
W8 + 50			11					
S9 + 75 - W9 + 50			11					
S12 + 75 - W0 + 50			8					
W1 + 50			14					
W2 + 50			8					
W3 + 50			8					
W4 + 50			8					
W5 + 50			9					
W6 + 50			8					
W7 + 50			20					
W8 + 50			8					
S12 + 75 - W9 + 50			9					
S14 + 25 - W0 + 50			12					
W1 + 50			20					
W2 + 50			8					
W3 + 50			12					
W4 + 50			8					
W5 + 50			12					
W6 + 50			8					
W7 + 50			12					
W8 + 50			9					
S14 + 25 - W9 + 50			9					

NOTE: REJECTS RETAINED ONE MONTH. PULPS RETAINED THREE MONTHS. ON REQUEST PULPS AND REJECTS WILL BE STORED FOR A MAXIMUM OF ONE YEAR.

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L. WONG

PROVINCIAL ASSAYER

Analytical and Consulting Chemists, Bulk Cargo Specialists, Surveyors, Inspectors, Samplers, Weighers

MEMBER: American Society For Testing Materials • The American Dr. Chemists Society • Canadian Testing Association
REFERENTIAL AND/OR OFFICIAL CHEMISTS FOR: National Institute Of Standards • The American Dr. Chemists Society
OFFICIAL WEIGH-MASTERS FOR: Vancouver Board Of Trade

GILFORD RESOURCES LTD.

NORMA PROPERTY

Similkameen M.D., B.C.

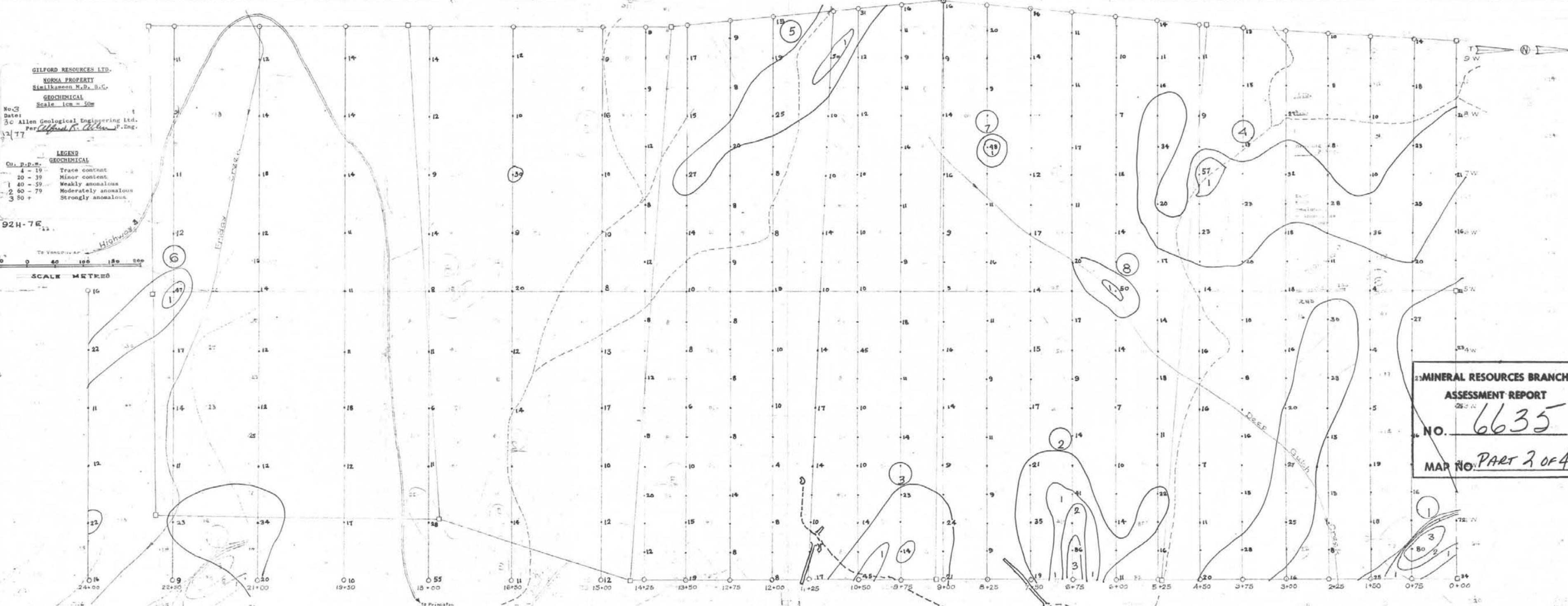
GEOCHEMICAL

Scale 1cm = 50m

No. 3
Date: 30 Allen Geological Engineering Ltd.
Per: *Alfred R. Allen* P. Eng.
12/77

LEGEND
GEOCHEMICAL

Cu. P.p.m.	GEOCHEMICAL
4 - 19	Trace content
20 - 39	Minor content
40 - 59	Weakly anomalous
60 - 79	Moderately anomalous
80 +	Strongly anomalous



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 6635
MAP NO. PART 2 OF 4