

GEOCHEMICAL REPORT  
ON THE  
LOGAN CLAIM GROUP  
WATSON LAKE MINING DISTRICT  
WOLF LAKE AREA, YUKON TERRITORY  
N.T.S. 105-B/8  
60°30'N, 130°30'W  
FOR

REGIONAL RESOURCES LTD.

By

C. G. Verley, B.Sc., Geologist  
SUPERVISED BY: J. W. Stollery, P.Eng.



CORDILLERAN ENGINEERING  
1415 - 355 Burrard Street  
Vancouver, B.C. V6C 2G8

JANUARY, 1981

CLAIMS: Logan Mineral Claims, Numbers 37 to 114 inclusive  
LOCATION: 105 air-km (65 air-mi) northwest of Watson Lake  
DATE: August 12 to 25, 1980

090717



This report has been examined by the Geological Evaluation Unit and recommended to the Commissioner to be considered as representation work in the amount of

\$ 15,600.00

*[Handwritten Signature]*

Resident Geologist or  
Resident Mining Engineer

Considered as representation work under  
Section 53 (4) Yukon Quartz Mining Act.

*[Handwritten Signature]*  
S. F. BAXTER  
Supervising Mining Recorder

*[Handwritten Signature]*  
Commissioner of Yukon Territory

REGIONAL RESOURCES LTD.



By

C. G. Verley, B.Sc., Geologist

SUPERVISED BY: J. W. Stollery, P. Eng.

CORDILLERAN ENGINEERING  
1415 - 355 Burrard Street  
Vancouver, B.C. V6C 2G8

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105 air-km (65 air-mi) northwest of Watson Lake

August 12 to 25, 1980

CLAIMS:

LOCATION:

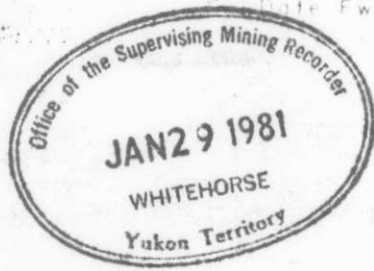
DATE:



070717

FROM *Watson Lake*

TO Supervising Mining Recorder at Whitehorse, Y.T.



FOR ACTION ARE:

NEW APPL'N for PLACER LEASE to PROSPECT: Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

RENEWAL APPL'N PLACER LEASE to PROSPECT: Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name: \_\_\_\_\_ Lease No. \_\_\_\_\_

ASSIGNMENT of PLACER LEASE No. \_\_\_\_\_  
From: \_\_\_\_\_ To: \_\_\_\_\_

GROUPING APPL'N UNDER SEC. 52(2) PLACER MINING ACT.  
Owner: \_\_\_\_\_

DIAMOND DRILL LOGS:  
Claims: \_\_\_\_\_ Claim sheet no. \_\_\_\_\_

QUARTZ ASSESSMENT REPORT  
Claims: *LOGAN 37-114* Claim sheet no. *105-B-8*

Type of report: *Geochemical* Submitted by: *Cordilleran Engineering*

Cls. work performed on: *Logan 50, 68, 70, 72, 92, 94, 96, 98*  
\$ Req. for ren application: *\$15,600.00*

*[Signature]*  
Signature

REPLY ACTION

Date Ret.

Signature



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name)	CARL G. VERLEY	Occupation	GEOLOGIST
(Postal Address)	1418 - 355 BURRARD ST., VANCOUVER, B.C.		



OFFICE DATE STAMP

GROUP 1

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA54305	LOCAN 65	YA54347	LOCAN 107
YA54323	LOCAN 83	YA54349	LOCAN 109
YA54325	LOCAN 85	YA54351	LOCAN 111
YA54327	LOCAN 87	YA54353	LOCAN 113

situated at LITTLE MOOSE RIVER AREA Claim Sheet No. 1058/8

in the WATSON LAKE Mining District, to the value of at least \$2800.00

dollars, since the 31 day of MARCH 1980

to represent the following mineral claims under the authority of Grouping Certificate No. 2750

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 54299 - YA 54303	LOCAN 59 - 63	} 2 YEARS (28 CLAIM YEARS)
YA 54305	LOCAN 65	
YA 54323, 54325	LOCAN 83, 85	
YA 54327, 54329	LOCAN 87, 89	
YA 54347, 54349	LOCAN 107, 109	
YA 54351, 54353	LOCAN 111, 113	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

A GEOCHEMICAL SURVEY WAS CONDUCTED DURING THE PERIOD AUGUST 12 TO 25, 1980. A TOTAL OF 777 SOIL SAMPLES WERE COLLECTED AT A COST OF \$20,265.53 (\$26.08/SAMPLE) OF THIS 111 SAMPLES WERE COLLECTED IN GROUP 1 FOR A COST OF \$2,894.88 OF WHICH \$2800.00 IS TO BE APPLIED. EXCESS \$94.88 NOT APPLIED. DETAILS OF THE WORK COMPLETED ARE CONTAINED IN THE REPORT ENTITLED "GEOCHEMICAL REPORT ON THE LOCAN CLAIM GROUP."

Sworn before me at VANCOUVER, B.C.

this 28 day of November 1980

Anthony J. Pasich  
Notary Public

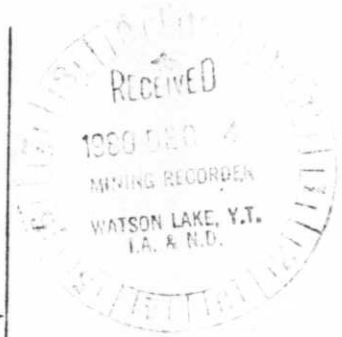
Carl G. Verley  
Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	CARL G. VERLEY	Occupation	GEOLOGIST
(Postal Address)	1418 - 355 BURRARD ST., VANCOUVER, B.C.		

OFFICE DATE STAMP

GROUP 2

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

YA 54297 - 54298	- LOGAN 57, 58	YA 54328	- LOGAN 88
YA 54306	- LOGAN 66	YA 54348	- LOGAN 108
YA 54324	- LOGAN 84	YA 54350	- LOGAN 110
YA 54326	- LOGAN 86	YA 54352	- LOGAN 112
		YA 54354	- LOGAN 114

situated at LITTLE MOOSE RIVER AREA Claim Sheet No. 1058/8

in the WATSON LAKE Mining District, to the value of at least \$3200.00

dollars, since the 31 day of MARCH 19 80

to represent the following mineral claims under the authority of Grouping Certificate No. 2749

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA 54293 - YA 54298	LOGAN 53 to 58	} 2 YEARS (32 CLAIM YEARS)
YA 54304, 54306	LOGAN 64, 66	
YA 54324, 54326	LOGAN 84, 86	
YA 54328, 54330	LOGAN 88, 90	
YA 54348, 54350	LOGAN 108, 110	
YA 54352, 54354	LOGAN 112, 114	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

A GEOCHEMICAL SURVEY WAS CONDUCTED DURING THE PERIOD AUGUST 12 TO 25, 1980. A TOTAL OF 777 SOIL SAMPLES WERE COLLECTED AT A COST OF \$20,265.53 (\$26.08/SAMPLE) OF THIS 166 SAMPLES WERE COLLECTED IN GROUP 2 FOR A COST OF \$4329.28 OF WHICH \$3200.00 IS TO BE APPLIED. EXCESS \$1129.28 NOT APPLIED. DETAILS OF THE WORK COMPLETED ARE CONTAINED IN THE REPORT ENTITLED "GEOCHEMICAL REPORT ON THE LOGAN CLAIM GROUP."

Sworn before me at VANCOUVER, B.C.

this 28 day of November 1980

Anthony J. Jasuch  
Notary Public

Carl G. Verley  
Applicant.



Department of Indian Affairs and Northern Development

YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	CARL C. VERLEY	Occupation	GEOLOGIST
(Postal Address)	1418 - 355 BURRARD ST., VANCOUVER, B.C.		

OFFICE DATE STAMP

GROUP 3

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

YA54315 - YA54320 LOGAN 75 to 80

YA54339 - YA54346 LOGAN 99 to 106

situated at LITTLE MOOSE RIVER AREA Claim Sheet No. 105 B/8

in the WATSON LAKE Mining District, to the value of at least \$3200.00

dollars, since the 31 day of MARCH 19 80

to represent the following mineral claims under the authority of Grouping Certificate No. 2751

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA54315 - YA54322	LOGAN 75 to 82	} 2 YEARS (32 CLAIM YEARS)
YA54339 - YA54346	LOGAN 99 to 106	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

A GEOCHEMICAL SURVEY WAS CONDUCTED DURING THE PERIOD AUGUST 12 TO 25, 1980. A TOTAL OF 777 SOIL SAMPLES WERE COLLECTED AT A COST OF \$20,265.53 (\$26.08/SAMPLE) OF THIS 230 SAMPLES WERE COLLECTED ON GROUP 3 FOR A COST OF \$5,998.40 OF WHICH \$3200.00 IS TO BE APPLIED. EXCESS \$2798.40 NOT APPLIED. DETAILS OF THE WORK COMPLETED ARE CONTAINED IN THE REPORT ENTITLED "GEOCHEMICAL REPORT ON THE LOGAN CLAIM GROUP."

Sworn before me at VANCOUVER, B.C.

this 28 day of November 1980

Anthony J. Jisich  
 Notary Public  
 A Notary Public in and for the  
 Province of British Columbia

Carl G. Verley  
 Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	CARL G. VERLEY	Occupation	GEOLOGIST
(Postal Address)	1418 - 355 BURRARD ST., VANCOUVER, B.C.		

OFFICE DATE STAMP  
GROUP 4

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):  
(Here list claims on which work was actually done by number and name)

YA54289	LOGAN 49	YA 54331	LOGAN 91
YA54307	LOGAN 67	YA 54333	LOGAN 95
YA54309	LOGAN 69	YA 54335	LOGAN 95
YA54311	LOGAN 71	YA 54337	LOGAN 97

situated at LITTLE MOOSE RIVER AREA Claim Sheet No. 1058/8  
in the WATSON LAKE Mining District, to the value of at least \$3200.00  
dollars, since the 31 day of MARCH 1980.

to represent the following mineral claims under the authority of Grouping Certificate No. 2748.  
(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA54278	LOGAN 38	} 2 YEARS (32 CLAIM YEARS)
YA54283 - YA54285	LOGAN 43 to 45	
YA54287, 54289	LOGAN 47, 49	
YA54291, 54292	LOGAN 51, 52	
YA54307, 54309	LOGAN 67, 69	
YA54311, 54313	LOGAN 71, 73	
YA54331, 54333	LOGAN 91, 93	
YA54335, 54337	LOGAN 95, 97	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)  
A GEOCHEMICAL SURVEY WAS CONDUCTED DURING THE PERIOD AUGUST 12 TO 25, 1980. A TOTAL OF 777 SOIL SAMPLES WERE COLLECTED AT A COST OF \$20,265.53 (\$26.08/SAMPLE) OF THIS 133 SAMPLES WERE COLLECTED IN GROUP 4 FOR A COST OF \$3468.64 OF WHICH \$3200.00 IS TO BE APPLIED. EXCESS \$268.64 NOT APPLIED  
DETAILS OF THE WORK COMPLETED ARE CONTAINED IN THE REPORT ENTITLED "GEOCHEMICAL REPORT ON THE LOGAN CLAIM GROUP."

Sworn before me at VANCOUVER, B.C.  
this 28 day of November 1980

Anthony J. Jasuch  
Notary Public  
A Notary Public in and for the Province of British Columbia

Carl G. Verley  
Applicant.



Department of Indian Affairs and Northern Development  
YUKON QUARTZ MINING ACT

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)



I (Name)	CARL C. VERLEY	Occupation	GEOLOGIST
(Postal Address)	1418 - 355 BURRARD ST., VANCOUVER, B.C.		

OFFICE DATE STAMP

GROUP 5

MAKE OATH AND SAY, THAT :-

1. I am the ~~owner~~ agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):

(Here list claims on which work was actually done by number and name)

YA54290	LOCAN 50	YA54332	LOCAN 92
YA54308	LOCAN 68	YA54334	LOCAN 94
YA54310	LOCAN 70	YA54336	LOCAN 96
YA54312	LOCAN 72	YA54338	LOCAN 98

situated at LITTLE MOOSE RIVER AREA Claim Sheet No. 1058/8

in the WATSON LAKE Mining District, to the value of at least \$3200.00

dollars, since the 31 day of MARCH 1980

to represent the following mineral claims under the authority of Grouping Certificate No. 2747

(Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested).

YA54277	LOCAN 37	} 2 YEARS (32 CLAIM YEARS)
YA 54279 to 54282	LOCAN 39 to 42	
YA 54286, 54288	LOCAN 46, 48	
YA 54290, 54308	LOCAN 50, 68	
YA 54310, 54312	LOCAN 70, 72	
YA 54314, 54332	LOCAN 74, 92	
YA 54334, 54336	LOCAN 94, 96	
YA 54338	LOCAN 98	

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53.)

A GEOCHEMICAL SURVEY WAS CONDUCTED DURING THE PERIOD AUGUST 12 TO 25, 1980. A TOTAL OF 777 SOIL SAMPLES WERE COLLECTED AT A COST OF \$20,265.53 (26.08/SAMPLE) OF THIS 136 SAMPLES WERE COLLECTED IN GROUP 5 FOR A COST OF \$3546.88 OF WHICH \$3200.00 IS TO BE APPLIED. EXCESS \$346.88 NOT APPLIED. DETAILS OF THE WORK COMPLETED ARE CONTAINED IN THE REPORT ENTITLED "GEOCHEMICAL REPORT ON THE LOCAN CLAIM GROUP."

Sworn before me at VANCOUVER, B.C.

this 28 day of November 1980

Anthony J. Jensch  
Notary Public  
A Notary Public in and for the  
Province of British Columbia

Carl C. Verley  
Applicant.

## TABLE OF CONTENTS

	PAGE
INTRODUCTION .....	3
GEOCHEMISTRY .....	5
SUMMARY AND CONCLUSIONS .....	9
WRITER'S CERTIFICATE .....	10
SUPERVISOR'S CERTIFICATE .....	11
PERSONNEL .....	12

### LIST OF TABLES

<u>TABLE I</u>	Statistical Categories .....	8
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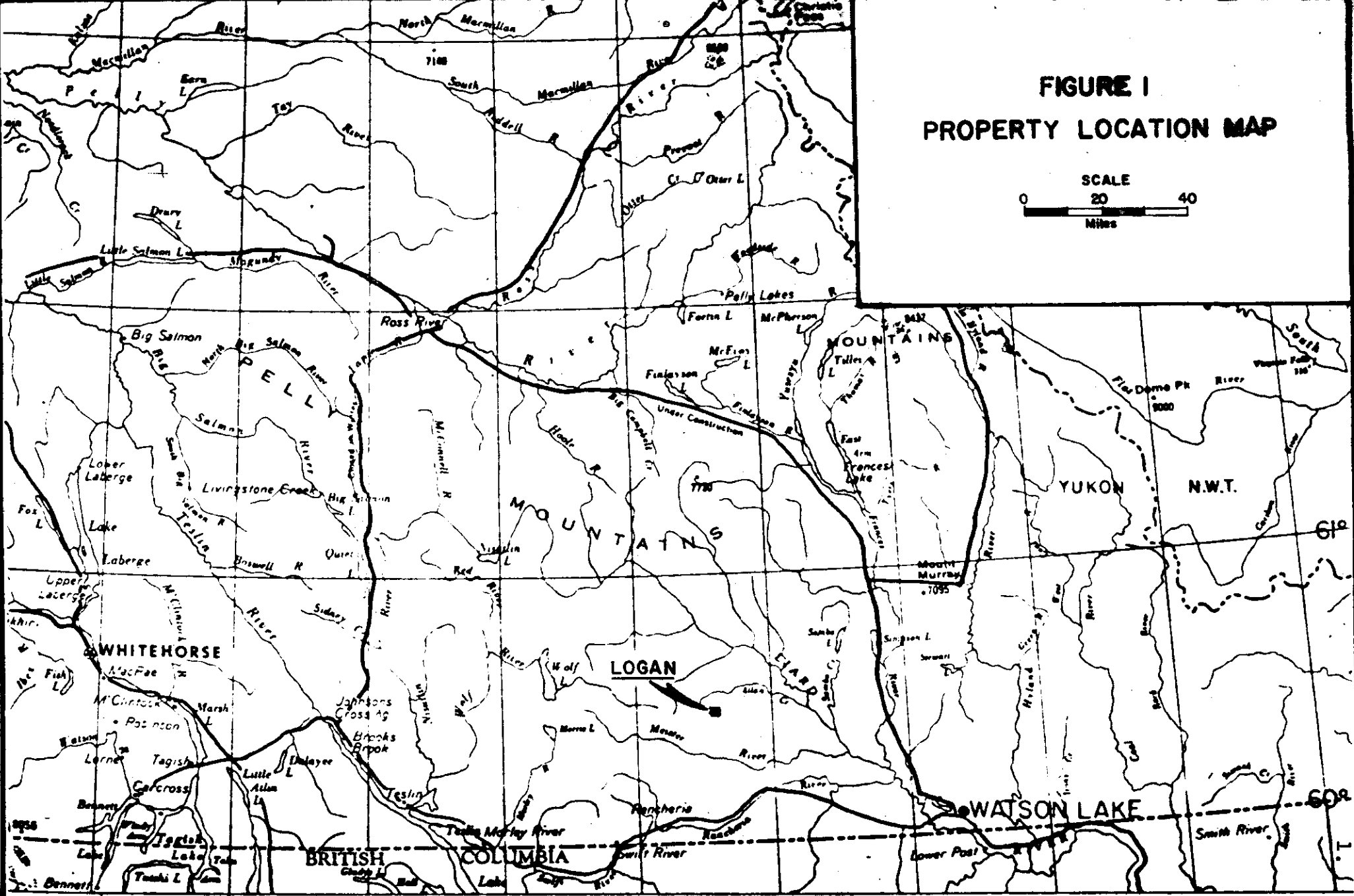
### LIST OF FIGURES

<u>FIGURE 1</u>	Property Location Map .....	1
<u>FIGURE 2</u>	Photo: Logan Claims, looking NNW ....	2
<u>FIGURE 3</u>	Claim Map .....	4
<u>FIGURE 4</u>	Cumulative Frequency Distribution W, Sn .....	6
<u>FIGURE 5</u>	Cumulative Frequency Distribution Cu, Pb, Zn, Ag .....	7

### LIST OF PLATES

<u>PLATE 1</u>	Sn, W Soil Geochemistry	in pocket
<u>PLATE 2</u>	Cu, Pb, Zn, Ag Soil Geochemistry	in pocket

**FIGURE I**  
**PROPERTY LOCATION MAP**



135° 134° 133° 132° 131° 130° 129° 128° 127° 126°



FIGURE 2: Logan claims, looking NNW.

## INTRODUCTION

The Logan property consists of 114 mineral claims (Figure 3) located 105 kilometres (65 miles) north-northwest of Watson Lake in the Watson Lake Mining District, Y.T.

During the 1979 field season the Logan 1-36 claims were acquired by Cordilleran Engineering for Regional Resources Ltd. In March, 1980 the Logan 37-114 claims were acquired. This report presents and describes the results of a geochemical soil survey on the Logan 37 to 114 claims.

The property is underlain by Lower Cambrian and earlier(?) metasediments which are intruded by pegmatite dykes. Exposure is less than one percent. The results of soil sampling indicate that subtle Sn and W anomalies exist. However, no further work is recommended at the present time on this part of the Logan claims.



	GRANT No.	EXPIRY DATE
LOGAN	1-6 YA45047-YA45052	DEC. 31, 1983
LOGAN	7-36 YA46254-YA46283	DEC. 31, 1983
LOGAN	37-114 YA54277-YA54354	MARCH 31, 1981



CLAIM MAP

# LOGAN GROUP

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

N.T.S. 105B-7,8,9

SCALE: 1 inch = 1/2 mile

CONTOUR INTERVAL = 500 feet

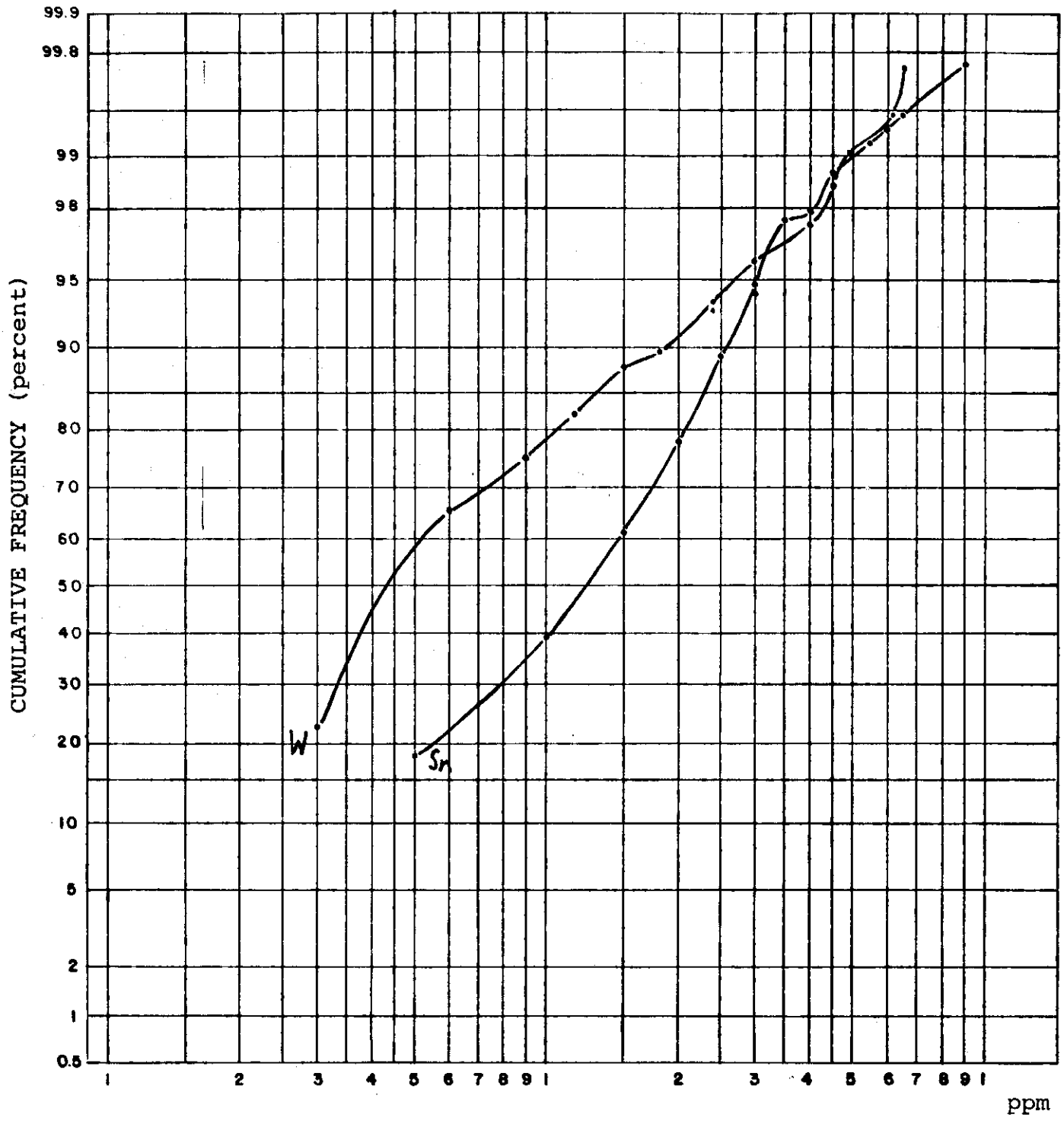
FIGURE 3

# GEOCHEMISTRY

(Plates 1, 2)

A program of soil sampling was conducted on the Logan 37 to 114 claims. A total of 777 samples were collected at intervals of 50 metres on lines spaced at 200 metres apart. Soils on the property varied from sandy glacial outwash material to swampy organic-rich soil.

Samples collected were placed in numbered kraft bags. Sample sites were marked with plastic flagging. The samples were shipped to the North Vancouver laboratory of Bondar-Clegg and Co. Ltd. where they were dried, sieved to the -80 mesh fraction and analyzed for Cu, Pb, Zn, Mo, Ag, Sn and W. For Cu, Pb, Zn, Mo and Ag the analytical method consisted of perchloric and nitric acid digestion followed by atomic absorption analysis. For W, extraction was by basic oxidizing fusion followed by colorimetric analysis. For Sn, analysis was by energy dispersive XRF.

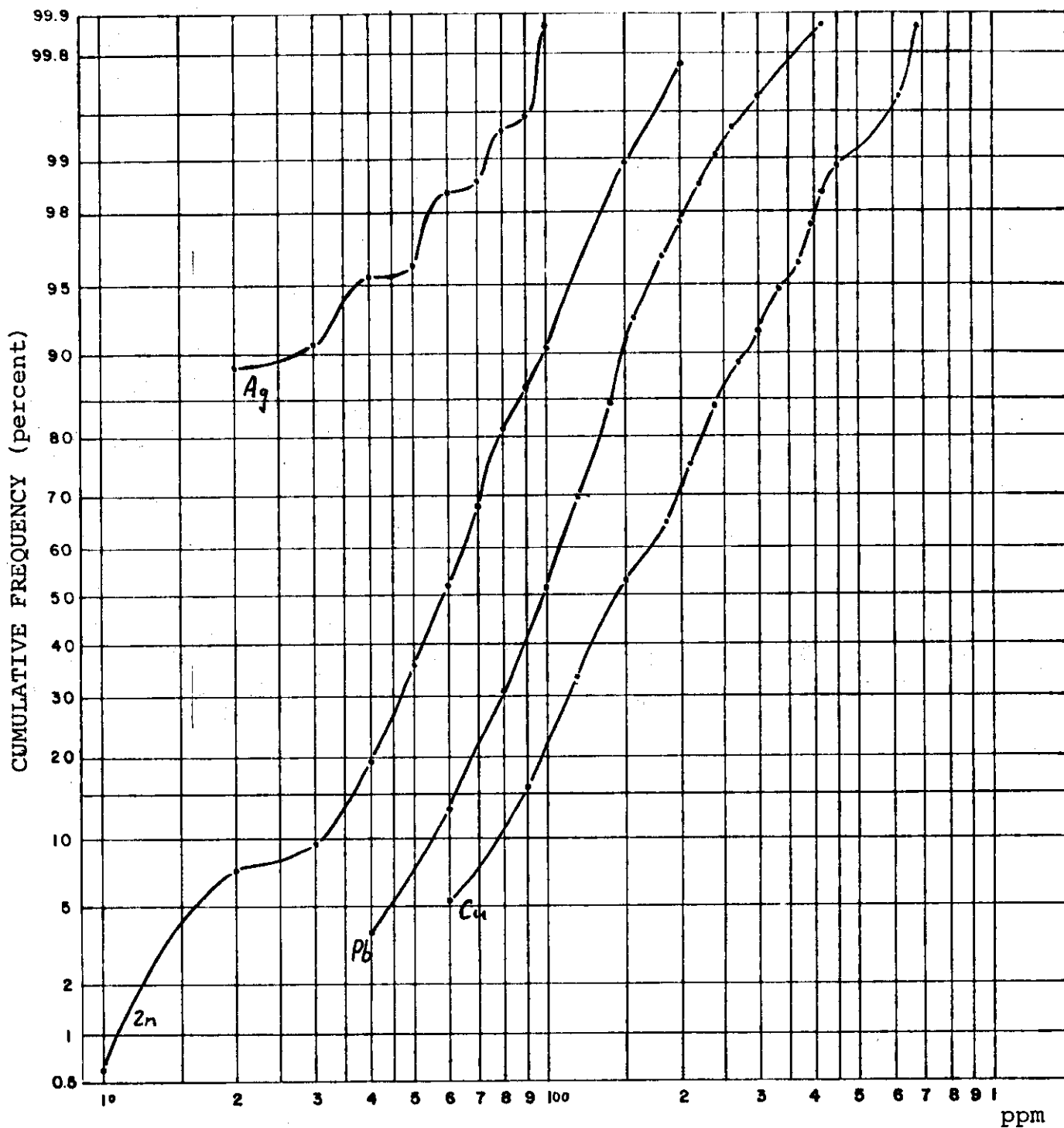


CUMULATIVE FREQUENCY DISTRIBUTION

W, Sn in SOILS - LOGAN PROPERTY

100% = 777 samples

FIGURE 4



### CUMULATIVE FREQUENCY DISTRIBUTION

Cu, Pb, Zn, Ag in SOILS - LOGAN PROPERTY

100% = 777 samples

GEOCHEMISTRY Cont'd

Statistical categories (below) are defined such that the upper 3% of the values are anomalous. Values below this level, but greater than 85% (approximately) are considered possibly anomalous. Below 85% of the data are background.

TABLE I  
STATISTICAL CATEGORIES (in ppm)

	<u>Background</u>	<u>Possibly Anomalous</u>	<u>Anomalous</u>	<u>Maximum Value</u>
W	0 - 15	16 - 39	$\geq 40$	105
Sn	0 - 23	24 - 32	$\geq 33$	120
Mo	0 - 2	3 - 8	$\geq 9$	6
Cu	0 - 24	25 - 37	$\geq 38$	123
Pb	0 - 14	15 - 18	$\geq 19$	42
Zn	0 - 89	90 - 129	$\geq 130$	228
Ag	0 - 0.2	0.3 - 0.5	$\geq 0.6$	3.6

Interpretation of the analytical results suggests that there is an erratic distribution to Cu, Pb, Zn and Ag "anomalies". High values in these elements are not of an order that is normally considered anomalous. It is concluded that these values are a part of normal background. Tin and tungsten anomalies are similarly spread out across the grid and at best can be viewed as subtle anomalies.

## SUMMARY AND CONCLUSIONS

The Logan property consists of 114 mineral claims situated in the Watson Lake Mining District, Y.T. (NTS: 105B/7, 8,9). Access to the claims is by helicopter from Watson Lake, a distance of 105 km.

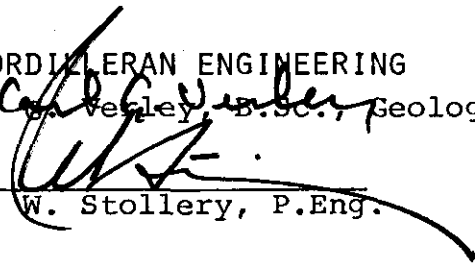
The Logan 1-36 were acquired in 1979, 37-114 in March, 1980 by Cordilleran Engineering for Regional Resources Ltd.

Work conducted during the 1980 field season, on Logan 37 to 114, consisted of soil sampling. Results of this work suggest there is no anomalous build up of Cu, Pb, Zn or Ag. Subtle, but erratic Sn, W anomalies exist on the claims.

No further work is recommended at the present time.

CORDILLERAN ENGINEERING  
C. G. Vesley, B.Sc., Geologist

Supervised by:

  
J. W. Stollery, P.Eng.

---

**CORDILLERAN ENGINEERING**

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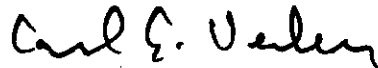
1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

**WRITER'S CERTIFICATE**

I, Carl G. Verley of Vancouver, British Columbia  
hereby certify that:

1. I am a geologist residing at 301-1867 West 3rd Avenue,  
and employed by Cordilleran Engineering of 1418-355  
Burrard Street, Vancouver, B.C. V6C 2G8.
2. I am a graduate of the University of British Columbia,  
B.S., in 1974, and have practiced by profession since  
that time.
3. I am an Engineering Pupil for the Association of  
Professional Engineers of the Province of British  
Columbia.
4. I am the author of this report which is based on work  
conducted on the Logan 37-114 mineral claims during the  
period August 12 to 25, 1980. This work consisted of  
geochemical sampling, undertaken on behalf of Regional  
Resources Ltd.

CORDILLERAN ENGINEERING



Carl G. Verley, B.Sc.,  
Geologist

January, 1981  
Vancouver, B.C.

---

**CORDILLERAN ENGINEERING**

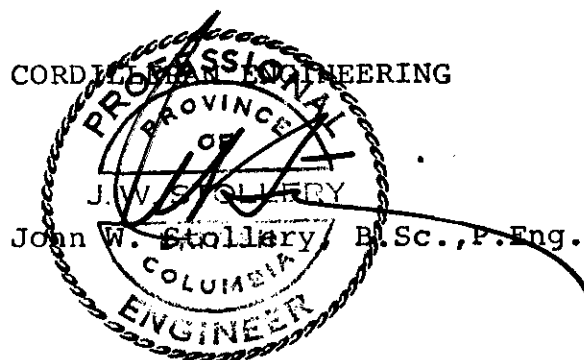
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1418 MARINE BUILDING, 355 BURRARD STREET, VANCOUVER, BRITISH COLUMBIA V6C 2G8 TEL: (604) 681-8381

SUPERVISOR'S CERTIFICATE

I, John W. Stollery of Vancouver, British Columbia hereby certify that:

1. I am a geologist residing at 4423 Patterdale Drive North Vancouver, British Columbia and employed by Cordilleran Engineering of 1418-355 Burrard Street, Vancouver, B.C., V6C 2G8.
2. I am a graduate of the Michigan Technological University, B.S., in 1961 and have practiced my profession since that time.
3. I am a member of the Association of Professional Engineers of the Province of British Columbia and Ontario.
4. I supervised the writing of this report which is based on the results of a field program conducted by Cordilleran Engineering during the period August 12 25, 1980.



January, 1981  
Vancouver, B.C.

PERSONNEL

C. G. Verley, B.Sc. 1418-355 Burrard St. Vancouver, B.C.	Geologist
J. W. Stollery, B.Sc., P.Eng. 1418-355 Burrard St. Vancouver, B.C.	Geological Engineer
K. Brown 1418-355 Burrard St. Vancouver, B.C.	Assistant
D. Miller 1418-355 Burrard St. Vancouver, B.C.	Assistant
P. Power 1418-355 Burrard St. Vancouver, B.C.	Cook
P. Smith 1418-355 Burrard St. Vancouver, B.C.	Assistant



CANADA ) IN THE MATTER OF A GEOCHEMICAL  
 ) REPORT ON BEHALF OF REGIONAL RESOURCES  
TO WIT : ) LTD.

I, CARL G. VERLEY, AGENT FOR CORDILLERAN ENGINEERING  
OF 1418 - 355 BULLARD STREET, VANCOUVER, B.C., V6C 2G8

do solemnly declare, - THAT GEOCHEMICAL SURVEYS WERE  
CONDUCTED ON THE LOCAN #37-114 (INCLUSIVE) MINERAL  
CLAIMS, WATSON LAKE MINING DISTRICT, Y.T. DURING THE  
PERIOD AUGUST 12 TO 25, 1980. EXPENDITURES FOR  
THIS WORK INCLUDE :

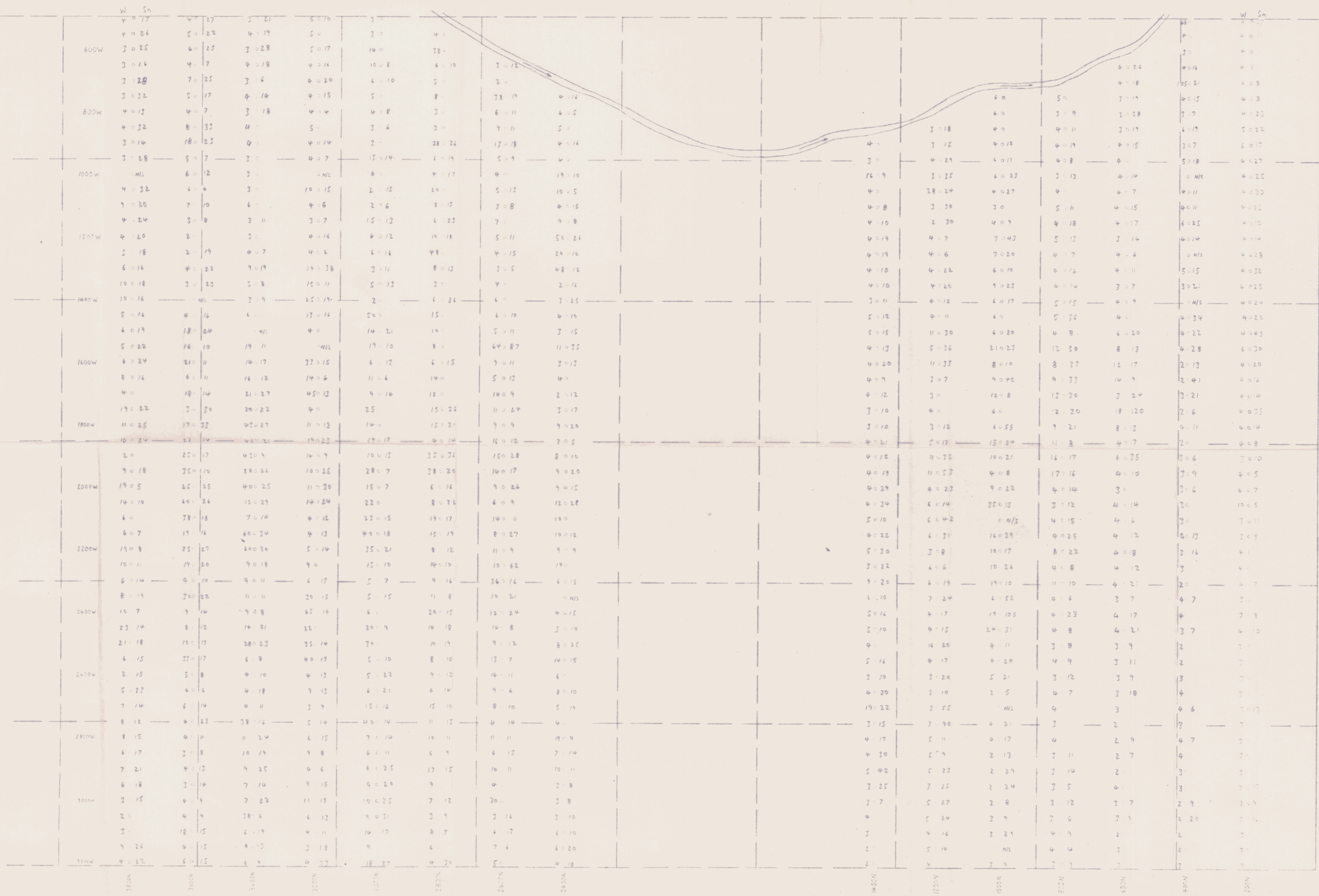
PROFESSIONAL SERVICES	.....	\$ 2,850.00
SALARIES	.....	2,415.01
MANAGEMENT FEES	.....	1,690.51
GEOCHEMICAL ANALYSES	.....	9,790.20
AIRCRAFT SUPPORT	.....	2,252.92
RENTALS	.....	475.00
FREIGHT	.....	344.61
EQUIPMENT	.....	336.00
TRAVEL	.....	98.53
PROPANE	.....	12.75
		<u>\$ 20,265.53</u>

And I make this solemn declaration conscientiously believing it  
to be true and knowing that it is of the same force and effect as if  
made under oath and by virtue of the Canada Evidence Act.

Declared before me at VANCOUVER  
in the PROVINCE of B.C. this  
28 day of November 1980

Carl G. Verley

Anthony J. Jesich  
A Notary Public and a Notary Public for the  
Province of British Columbia



**EXPLANATION**

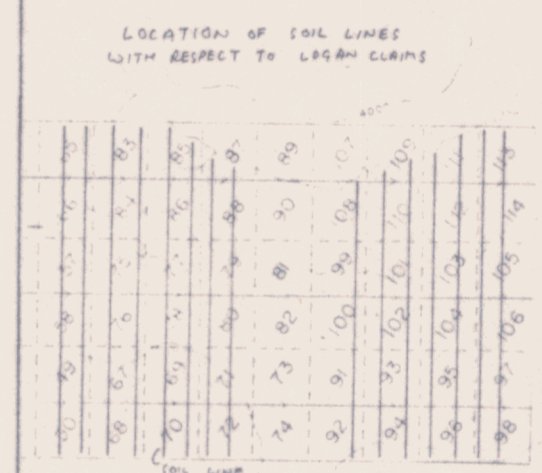
○ SOIL SAMPLE SITE, SAMPLE INT. 50cm  
ANALYSED IN LABOR. OF W, Sn  
In < 5ppm INT. PLOTTED.

BACKGROUND      POSSIBLY ANOMALOUS      ANOMALOUS

□                      □                      □

W    0-15 ppm    16-39 ppm    ≥40 ppm

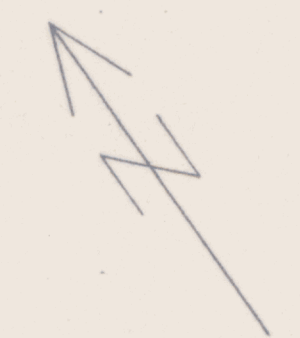
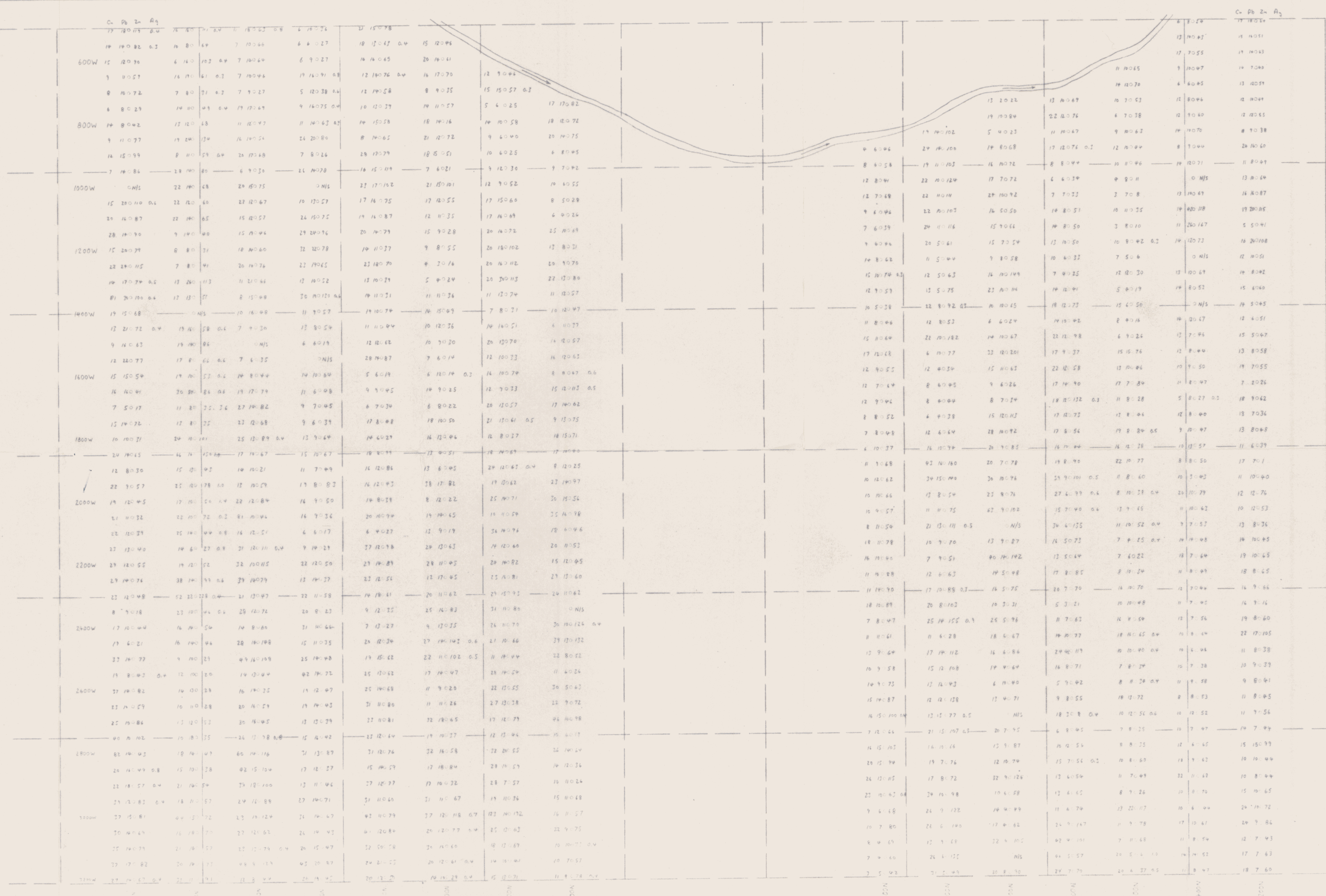
Sn    0-23        24-32        ≥33



**PROFESSIONAL ENGINEER**  
OF  
**BRITISH COLUMBIA**  
REG. NO. 12345  
**J.W. STOLLERY**  
REG. RESOURCES LTD  
W, Sn  
**SOIL GEOCHEMISTRY**  
LOGAN CLAIM GROUP  
WATSON LAKE MAP SHEET, U.T.S. 105 E/B  
WATSON LAKE MINING DISTRICT, YUKON TERRITORY

BY  
CORDELLERAN ENGINEERING  
1418 - 355 BROADWAY STREET  
VANCOUVER, B.C. V6C 2G8

JANUARY 1981      PLATE 1

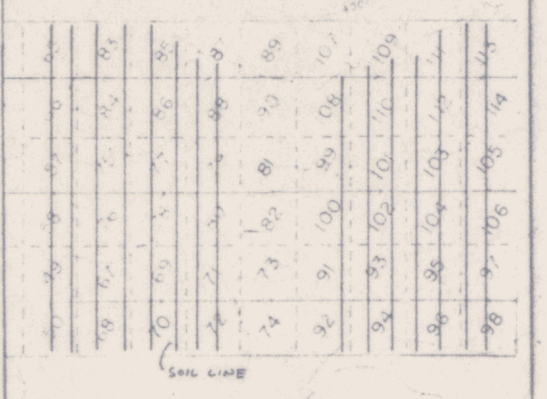


**EXPLANATION**

○ SOIL SAMPLE SITE, SAMPLE INT 50cm  
ANALYSES IN ORDER OF Cu, Pb, Zn,  
Ag. Ag < 0.2 ppm NOT PLOTTED

	BACKGROUND	POSSIBLY ANOMALOUS	ANOMALOUS
Cu	0-24 ppm	25-37 ppm	≥38 ppm
Pb	0-14	15-18	≥19
Zn	0-89	90-129	≥130
Ag	0-0.2	0.3-0.5	≥0.6

LOCATION OF SOIL LINES WITH RESPECT TO LOGAN CLAIMS



REGIONAL RESOURCES LTD  
Cu, Pb, Zn, Ag

**SOIL GEOCHEMISTRY**

LOGAN CLAIM GROUP  
WATSON LAKE MAP SHEET, N.T.S. 105/83  
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