

81-# 1115-#9881

GEOCHEMISTRY REPORT

ON THE

CARLIN GROUP MINERAL CLAIM

CARLIN 2, ROB A, ROB B, COLIN A, COLIN B [63 UNITS]

KAMLOOPS M. D.

Lat.  $50^{\circ}38'N$

Long.  $120^{\circ}07'W$

NTS 92I/9

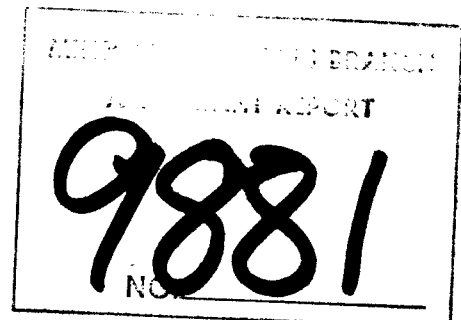
for

VANTEX RESOURCES INC.  
Vancouver, B.C.

by

A.F. ROBERTS, P. ENG.

December 7, 1981



## TABLE OF CONTENTS

	<u>Page</u>
SUMMARY	
INTRODUCTION.....	1
LOCATION, ACCESS, TOPOGRAPHY.....	1
CLAIMS.....	2
HISTORY.....	3
GEOLOGY.....	4
GEOCHEMICAL SURVEY.....	5
CONCLUSIONS.....	7
RECOMMENDATIONS.....	7
ESTIMATED COSTS.....	8
CERTIFICATE.....	9
STATEMENT OF COSTS.....	10

### MAPS

Ref. No.

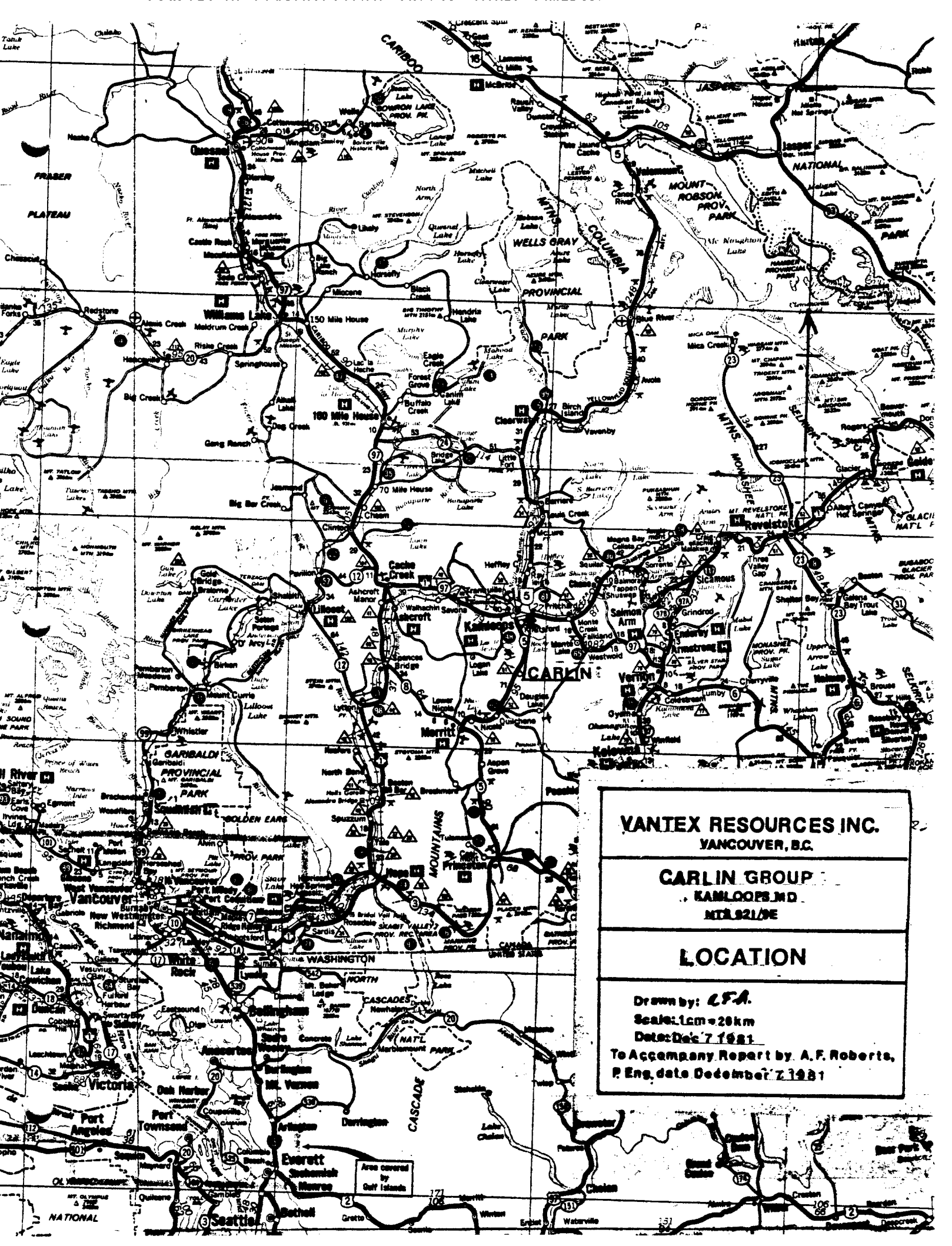
- 1] Location Map - 1 cm = 20 km.....[Frontispiece]
- 2] Topographic Map NTS 92I/9, 1:50,000.....[Follows page 1]
- 3] Claim Map, B.C. Department of Mines & Petroleum Resources, 92I/9E, 1:50,000.....[Follows page 2]
- 6] General Geology Map: GSC Memoir 249, Geology of the Nicola Map Area, W.E. Cockfield, 1947.....[Follows page 4]
- 9] Geochemistry Map, 1 cm = 50 m.....[Back Pocket]

### REFERENCES

- 4] Refer to References, 1980 Report
- 5] Geochemical-Geophysical Report on the Carlin 2 Claims [12 units], Kamloops M.D., for Vantex Resources Inc., A.F. Roberts, P.Eng., October 31, 1980
- 7] Assessment Report No. 3616, December 7, 1971, D.E. Hopkins, B.A., M.A.
- 8] Assessment Report No. 4315, May 26, 1973, C.P. Purdy, Jr., P.Eng.

### APPENDICES

- APPENDIX A:    Assay Certificates  
                 Assay Procedures



**VANTEX RESOURCES INC.**  
 VANCOUVER, B.C.

---

**CARLIN GROUP**  
 KAMLOOPS, B.C.  
 NTS 921/DE

---

**LOCATION**

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Drawn by: *CFA*  
 Scale: 1cm = 20 km  
 Date: Dec 7 1981  
 To Accompany Report by A.F. Roberts,  
 P. Eng. date December 7 1981

S U M M A R Y

The 1981 geochemical survey program on the company's claims surrounding the Carlin 2 claim has enlarged two of the known anomalies and closed them off.

There are a number of scattered, anomalous high gold values that require further work, with further geochemical surveys on the balance of the claims.

It is recommended that the diamond drilling program previously recommended in the 1980 Report, be considered as Phase I and have priority.

This diamond drilling program is estimated at \$120,000.00.

Phase II consists of investigation of the scattered high grade values, by trenching, and detailed geological mapping, with further geochemistry at an estimated cost of \$33,000.00.

Respectfully submitted,



A.F. Roberts, P.Eng.,  
December 7, 1981



GEOCHEMISTRY REPORT  
ON THE  
CARLIN GROUP MINERAL CLAIM  
CARLIN 2, ROB A, ROB B, COLIN A, COLIN B [63 UNITS]  
KAMLOOPS M. D.  
NTS 92I/9

Lat.  $50^{\circ}38'N$

Long.  $120^{\circ}07'W$

for  
VANTEX RESOURCES INC.  
Vancouver, B.C.

by  
A.F. ROBERTS, P. ENG.  
December 7, 1981

### INTRODUCTION

This report is authorized by the Directors of the Company.

Its purpose is to analyze the results of the recent geochemical survey, carried out October 29 to November 2, 1981, on the claims bordering the Carlin 2 claim. Then, if deemed worthy, recommend a further work program.

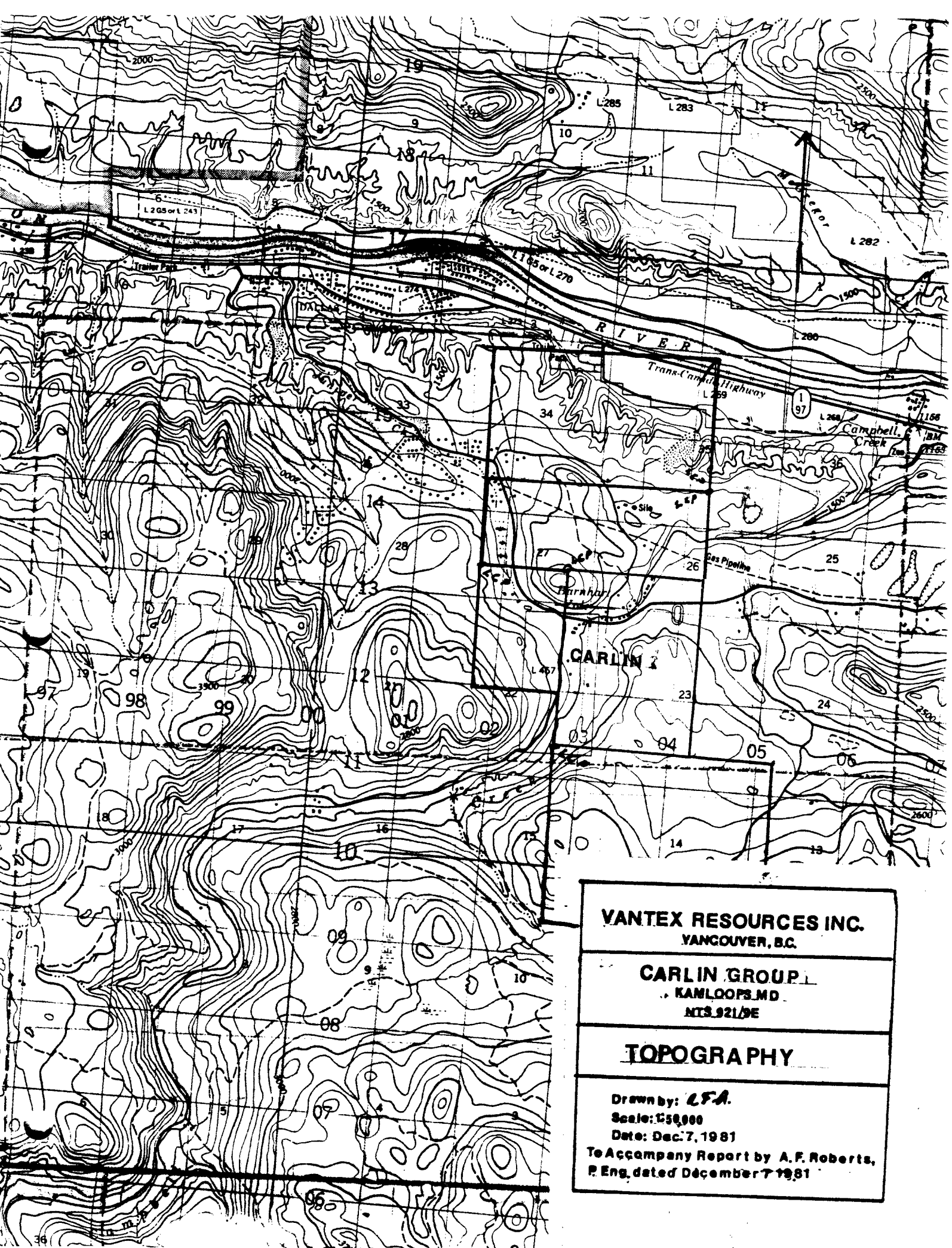
### LOCATION, ACCESS, TOPOGRAPHY

The property is located at Barnhart Vale, about eight miles southeasterly from the City of Kamloops.

Paved roads give access to Barnhart Vale, and surrounding secondary, and farm roads provide good access to other parts of the property.

Most of the property underlies ranch grazing land, and fields of alfalfa. Much of it is on higher

- 
- 1] Location Map, 1 cm = 20 km [Frontispiece]  
2] Topographic Map, NTS 92I/9, 1:50,000 [Follows page 1]



**VANTEX RESOURCES INC.**  
VANCOUVER, B.C.

**CARLIN GROUP**  
KAMLOOPS, M.D.  
MTS. 921/9E

**TOPOGRAPHY**

Drawn by: *LFA.*

Scale: 1:50,000

Date: Dec. 7, 1981

To Accompany Report by A. F. Roberts,  
P. Eng. dated December 7, 1981

ground than Barnhart Vale, 366 metres to 760 metres maximum.

The Rob A claim lies in hilly, forested land, used for grazing. The area is quite open, and the timber is second growth conifers, of probable commercial value.

The known areas of outcrop rise very steeply and are partially covered with sparse grass and isolated trees.

CLAIMS 3]

<u>Name</u>	<u>Units</u>	<u>Record No.</u>	<u>Expiry Date</u>
Carlin 2	12	1793	April 4, 1985

There is a \$400.00 credit on assessment for this claim.

Colin A	10	3139	December 2, 1981
Colin B	6	3140	December 2, 1981
Rob B	15	3141	December 2, 1981
Rob A	<u>20</u>	3142	December 2, 1981
Total	<u>63 units</u>		

The writer has filed assessment work on the last four claims for one year, with \$1,270.00 excess in credit.

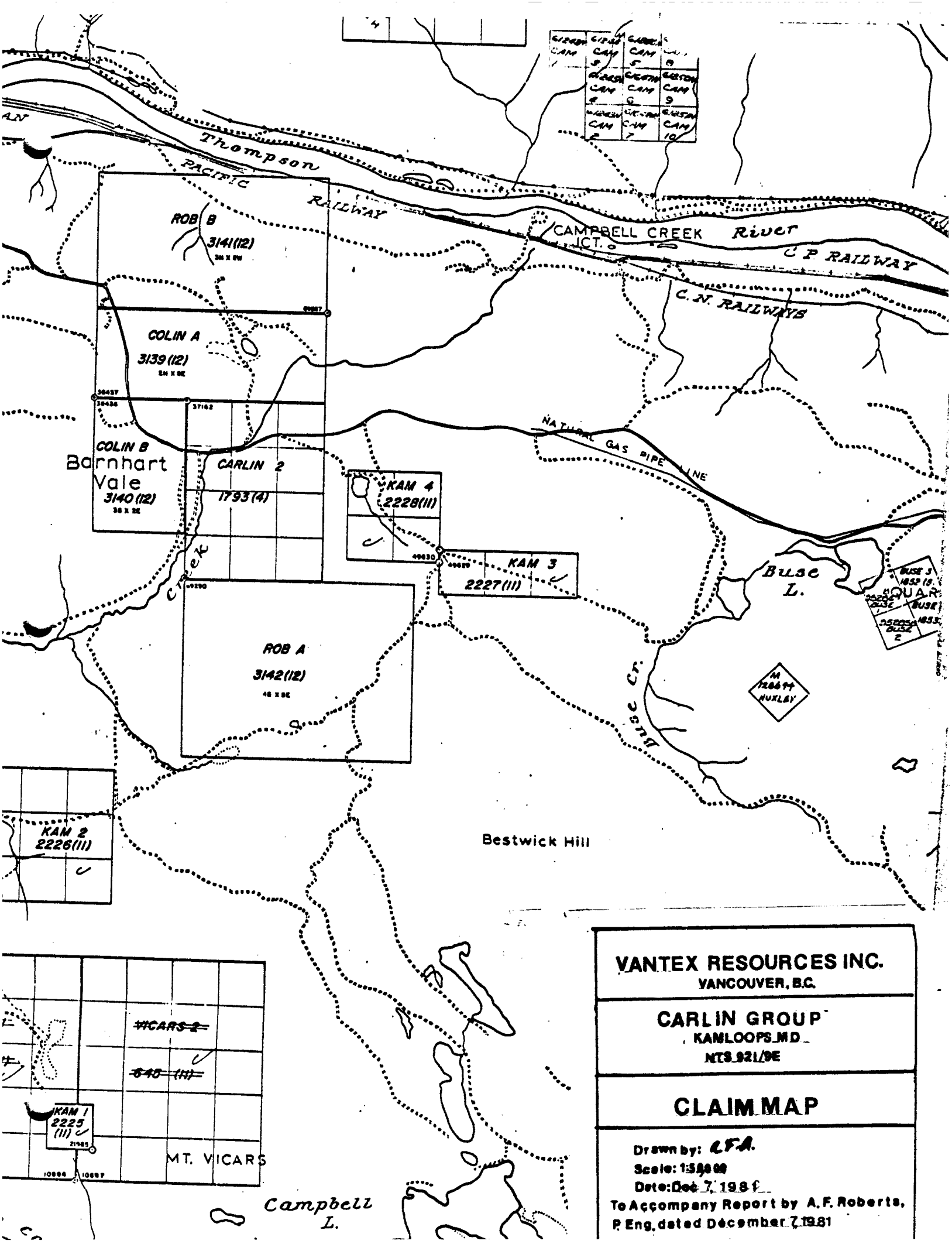
Therefore, these claims are now valid to December 2, 1982.

The five claims were grouped July 29, 1981.

The Company has valid title to all claims.

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3] Claim Map: B.C. Department of Mines & Petroleum Resources, 92I/9E, 1:50,000 [Follows page 2]



W. CAMP	C. CAMP	A. CAMP	W. CAMP
1	2	3	4
W. CAMP	C. CAMP	A. CAMP	W. CAMP
5	6	7	8
W. CAMP	C. CAMP	A. CAMP	W. CAMP
9	10	11	12
W. CAMP	C. CAMP	A. CAMP	W. CAMP
13	14	15	16

**VANTEX RESOURCES INC.**  
VANCOUVER, B.C.

**CARLIN GROUP**  
KAMLOOPS, M.D.  
NTS 921/9E

**CLAIM MAP**

Drawn by: *CFA*  
Scale: 1:50,000  
Date: Dec 7, 1981

To Accompany Report by A.F. Roberts,  
P. Eng. dated December 7, 1981



~~#VICARS 2~~  
~~540 (11)~~

KAM 1  
2225 (11)  
21985

MT. VICARS

Campbell L.



The exact location, and the area covered can only be determined by a legal survey.

HISTORY 4] 5]

There are several trenches on the property, for which there is no record of work, and that probably date back to the early part of the century.

Copper Range Exploration Company Inc., during a geochemical regional survey in 1971, discovered anomalous values in what is now the Carlin 2 claim.

They did some geological mapping, further prospecting and geochemical surveys that indicated three anomalous zones:

- . 1,000 feet east of Barnhart Vale, 700 feet by 2,000 feet
- . 1,000 feet southeast of Barnhart Vale, 700 feet by 2,000 feet
- . 1,000 feet southeast of Barnhart Vale, 700 feet by 2,000 feet, further south, 500 feet by 1,000 feet.

Further work was recommended but was not carried out as the Vancouver office was closed due to political considerations.

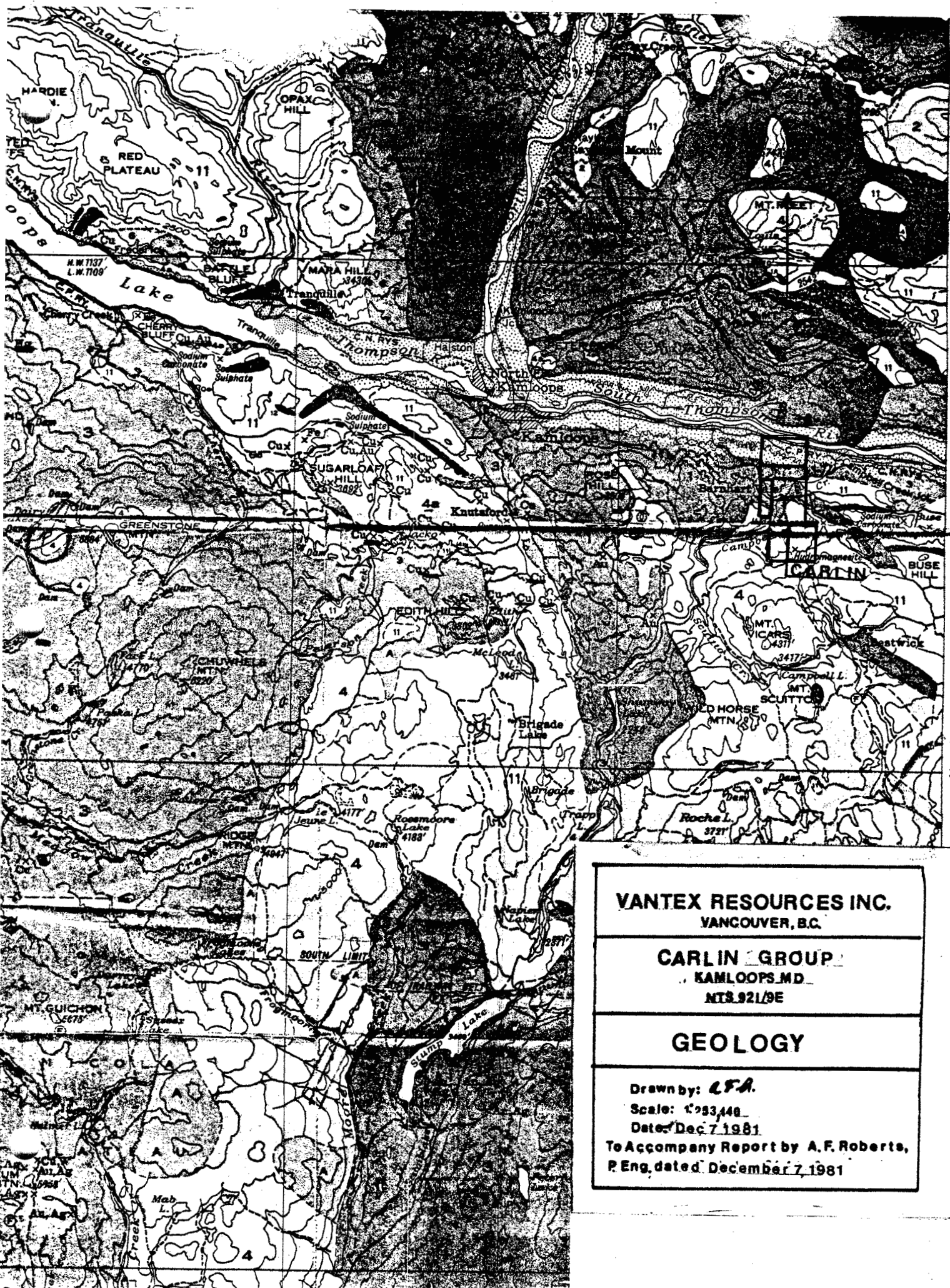
The property was re-staked in 1975 by R.A. Dickenson, who rechecked some of the assays with positive results.

In 1980, the Company had a combined geochemical-VLF-EM survey conducted over the property, and with positive results, staked more claims to the north, west, and south.

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4] See list of References

5] Geochemical-Geophysical Report on the Carlin 2 claim, [12 units] Kamloops M.D., for Vantex Resources Inc., A.F. Roberts, P.Eng., October 31, 1980



**VANTEX RESOURCES INC.**  
 VANCOUVER, B.C.

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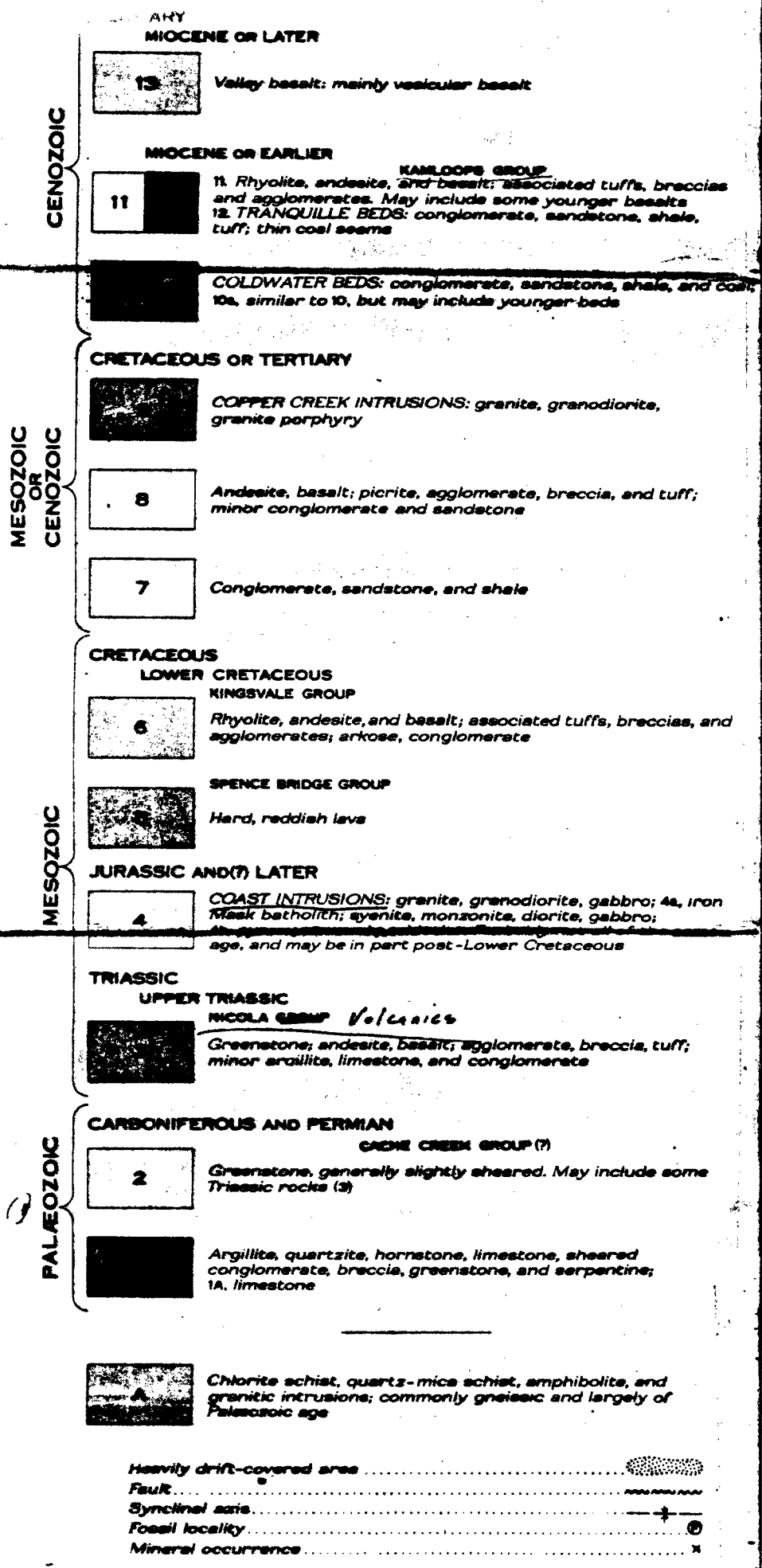
**CARLIN GROUP**  
 KAMLOOPS, M.D.  
 NTS 921/9E

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**GEOLOGY**

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Drawn by: *CFA*  
 Scale: 1:25,000  
 Date: Dec 7, 1981  
 To Accompany Report by A.F. Roberts,  
 P. Eng. dated December 7, 1981



SYMBOLS FOR METALS  
 Silver Ag

This survey confirmed the Copper Range work, and combined some or enlarged their anomalies:

- : 150 metres by 1,000 metres, slightly northeasterly strike
- : northeasterly strike; 25 metres by 625 metres
- : two anomalies paralleling this last one, each about 60 metres by 225 metres.

There are several small anomalous areas that are probably related to the larger anomalies.

#### GEOLOGY 6] 7] 8]

The general geology map indicates that the property is underlain by Paleozoic sediments of the Cache Creek group, consisting of medium to dark, thin bedded argillites, with irregular inclusions of chert, some beds of greywacke, and minor limestone. All rocks are highly fractured and brecciated, in places veined with fine quartz stringers and segregations.

It is suggested that these altered phases carry the gold values.

A large granodiorite intrusion lies immediately to the west, without any apparent effect on the property.

Dykes of feldspar porphyry, with fine pyrite and minor pyrrhotite are known in the area, cutting the Cache Creek sediments.

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- 6] General Geology Map: GSC Memoir 249, Geology of the Nicola Map Area, W.E. Cockfield, 1947 [Follows page 4]
  - 7] Assessment Report No. 3616, December 7, 1971, D.E. Hopkins, B.A., M.A.
  - 8] Assessment Report No. 4315, May 26, 1973, C.P. Purdy, Jr., P.Eng.

On the main hill area, a feldspar dyke cutting the sediments, is cut by numerous quartz stringers and veinlets, and is associated with anomalous gold values.

It is reported that  $\frac{1}{4}$  mile to the north of the Campbell Creek Road, where it intersects the main road, there is an outcrop of biotite feldspar containing pyrite and specks of molybdenite, without quartz.

At Barnhart Vale, there is an outcrop of rock that may be diorite. Alteration and oxidation do not permit certain identification.

Purdy reports beds of conglomerate 1,800 feet east of Barnhart Vale, on the down thrown side of a NE striking fault. These are oxidized, with a sandy matrix enclosing feldspar porphyry and argillite.

#### GEOCHEMICAL SURVEY 9] 10]

The field work was done in the period October 29 to November 2, 1981, by the writer and an experienced assistant.

In 1980, the writer recommended to the Company that it acquire claims on three sides of the Carlin 2 claim with hopes of expanding the known anomalous areas. These four claims [51 units], were staked, and require assessment work.

Lines were run on a 100 metre basis with samples

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- 9] Geochemistry Map: 1 cm = 50 m. [Back Pocket]  
 10] Appendix A: Assay Certificates  
 Assay Procedures

cut every 50 metres for a total of 485 samples, assayed by Acme Analytical Laboratories Ltd., Vancouver, for gold and silver.

Samples were collected in standard wetproof kraft paper bags, marked with their location.

A map has been made on a scale of 1 cm = 50 metres to include the Carlin 2 claim and its geochemistry.

Background values of 5 ppb for gold, and 0.1 ppm for silver have been omitted, but all stations occupied are marked.

This season's work closed off the NW Carlin 2 gold anomaly, expanding it 100 metres westerly. A good, but small silver anomaly lies to the northeast of this gold anomaly.

The central elongated gold anomaly on the west side of Carlin 2 was expanded 100 metres northerly. A strong silver anomaly lies to the northeast of this anomaly.

Several high gold values are scattered through the recent work without any obvious relationship to known anomalies nor close tie-in with silver anomalous values.

A 495 ppb gold value on Line B5 north, with two anomalous gold values 300 metres to the south must be investigated further, by more geochemistry and/or trenching.

It is noted that most of the anomalous values are on the high ground with probably little overburden.

There is an abundance of silver values two times or more above background, but below threshold value.

### CONCLUSIONS

The geochemistry program has expanded, and closed off two anomalies known from previous work.

It has located isolated scattered anomalous gold values of good to high strength, which must be considered as expanding the search area.

Further follow-up work is required.

### RECOMMENDATIONS

The diamond drilling program recommended for the Carlin 2 claim, in the 1980 report, should have top priority.

Further geochemistry on the new claims, with detail geological mapping of the area is required.

ESTIMATED COSTSPhase I

Diamond drilling, as previously recommended in 1980 Report	<u>\$120,000.00</u>
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Phase II

Geological mapping, detailed, with maps and report	7,500.00
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Geochemistry, expanding the last grid, 1,500 samples @ \$14.00/sample, includes collection, assaying, reports, maps	21,000.00
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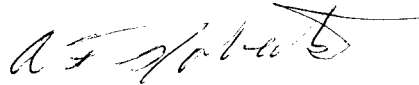
This estimate is calculated from the costs of the 1981 program	<u>                    </u>
	\$28,500.00

15% contingencies	<u>4,275.00</u>
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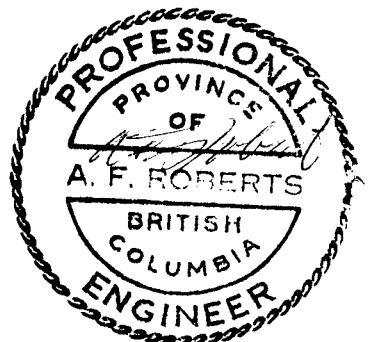
Total	<u>\$32,775.00</u>
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Say \$33,000.00

Respectfully submitted,



A.F. Roberts, P. Eng.,  
December 7, 1981





CERTIFICATE

I, A.F. Roberts, of 812 Fairbrook Crescent, Richmond, British Columbia, do hereby certify that:

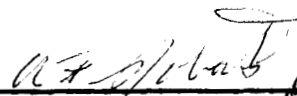
- 1] I am a graduate of the University of British Columbia, B.Ap.Sc., in Mining Engineering, 1981.
- 2] I am a Registered Professional Engineer of the Province of British Columbia; and am a member of the Canadian Institute of Mining and Metallurgy.
- 3] I have practiced my profession since 1951, with Quatsino Copper-Gold Mines Ltd., Giant Mascot Mines Ltd., Cochenour-Willans Gold Mines Ltd., Mogul Mines Ltd., Kerr-Addison Gold Mines Ltd., Atlantic Coast Copper Corporation Ltd., Wasamac Mines Ltd., Brenda Mines Ltd., and T. C. Explorations Ltd.

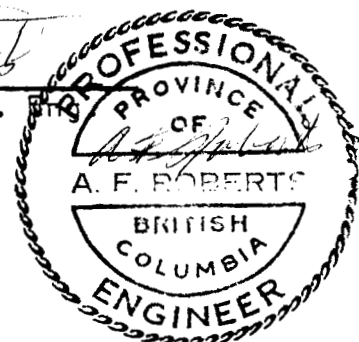
Since January 1970, I have been an independent Consulting Engineer.

Previous to, and during University, I worked underground as a miner, and on several exploration-development projects.

- 4] The accompanying report is based entirely on my personal examination of the property in 1980, and October 29 to November 2, 1981, and on material referred to in the text.
- 5] I have no interest, direct or indirect, in the Vantex Resources Inc., nor have I any interest, direct or indirect, in any companies with whom the Company may be associated. I have not, nor do I expect to receive any interest in the shares of any company, in its securities, or any company with which it may become associated.
- 6] I consent to the use of this report in, or in conjunction with, a prospectus, or a statement of material facts, relating to the raising of funds for this project.

DATED at Vancouver, British Columbia this seventh day of December, 1981.

  
A.F. Roberts, P. Eng.



**A. F. ROBERTS, P.ENG.**  
CONSULTING MINING ENGINEER

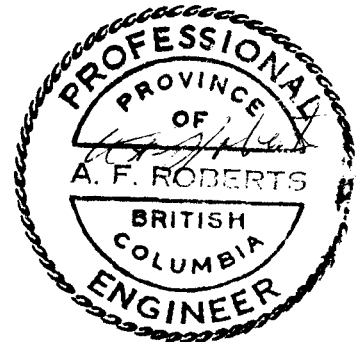
STATEMENT OF COSTS

Geochemical sampling, including expenses	\$ 2,218.50
A.F. Roberts, P.Eng.	
J.D. Roberts	
Assaying, Acme Analytical Labs, Vancouver	2,652.20
Engineer's Report	1,500.00
	<hr/>
Total	\$ 6,370.70
	<hr/> <hr/>

The above is the total and true cost of this program.



A.F. ROBERTS, P. ENG.



APPENDIX A

ASSAY CERTIFICATES

ASSAY PROCEDURES

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

To: A.F. Roberts

File No. 81-1795

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

SAMPLE No.	Ag	Au									
CO + 250 W	<u>3</u>	.005									1
300	<u>3</u>	.005									2
350	<u>2</u>	.005									3
400	<u>2</u>	.005									4
450	<u>2</u>	.005									5
500	<u>2</u>	.005									6
550	<u>4</u>	.005									7
600	<u>3</u>	.005									8
650	<u>2</u>	.005									9
700	<u>2</u>	.005									10
750	<u>2</u>	.005									11
800	<u>2</u>	.005									12
850	<u>2</u>	.005									13
900	<u>3</u>	.005									14
950	<u>1</u>	.005									15
CO + 1000 W	<u>1</u>	.005									16
											17
Co + 50 W	<u>2</u>	.005									18
100	<u>2</u>	.005									19
											20
C1 + 50 S	<u>2.0</u>	.005									21
100	<u>1.7</u>	.005									22
150	<u>2</u>	.005									23
200	<u>1</u>	.005									24
250	<u>4</u>	<u>.035</u>									25
300	<u>2</u>	.005									26
350	<u>1</u>	.005									27
400	<u>2</u>	.005									28
450	<u>1</u>	.005									29
500	<u>1</u>	.005									30
550	<u>2</u>	.005									31
600	<u>1</u>	.005									32
650	<u>1</u>	.005									33
700	<u>1</u>	.005									34
750	<u>2</u>	.005									35
800	<u>2</u>	.005									36
850	<u>1</u>	.005									37
900	<u>1</u>	.005									38
C1 + 950 S	<u>2</u>	.005									39
											40

All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

DATE REPORTS MAILED Dec. 2, 1981

ASSAYER DKW.

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 814795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au										
9 C1 + 1000 S	.2	.005										1
1050	.1	.005										2
1100	.1	.005										3
1150	.1	.005										4
1200	.1	.005										5
1250	.1	.005										6
1300	.1	.005										7
1350	.2	.005										8
1400	.2	.005										9
1450	.2	.005										10
C1 + 1500 S	.2	.005										11
												12
C2 + 50 S	.8	.005										13
100	.3	.005										14
150	.1	.005										15
200	.2	.005										16
250	.2	.005										17
300	.3	.005										18
350	.2	.065										19
400	.3	.005										20
450	.5	.005										21
500	.2	.005										22
550	.3	.005										23
600	.2	.005										24
650	.1	.005										25
700	.3	.005										26
750	.2	.005										27
800	.2	.005										28
850	.1	.005										29
900	.1	.005										30
950	.1	.005										31
1000	.1	.005										32
1050	.2	.005										33
1100	.2	.005										34
1150	.2	.005										35
1200	.3	.005										36
1250	.1	.005										37
1300	.1	.005										38
C2 + 1350 S	.1	.005										39
												40

All reports are the confidential property of clients

All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

DATE REPORTS MAILED Dec. 2, 1981

ASSAYER SKC

DEAN TOYE, B.Sc. CHIEF CHEMIST CERTIFIED B.C. ASSAYER



ACME ANALYTICAL LABORATORIES LTD.

To: A.F. Roberts, P. Eng.,  
404 - 470 Granville St.,  
Vancouver, B.C.  
V6C 1V5

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-1795

Type of Samples Soils

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au								
B1N 50 E	.1	.005								1
100	.1	.005								2
150	.3	.005								3
200	.1	.005								4
250	.3	.005								5
300	.3	.005								6
350	.3	.005								7
400	.2	.005								8
450	.1	.005								9
500	.1	.005								10
550	.1	.005								11
600	.1	.005								12
650	.1	.005								13
700	.1	.005								14
750	.1	.005								15
800	.1	.005								16
850	.1	.005								17
900	.1	.005								18
950	.1	.005								19
1000	.1	.005								20
1050	.1	.005								21
1100	.1	.005								22
1150	.1	.005								23
1200	.1	.005								24
1250	.1	.005								25
1300	.1	.005								26
1350	.1	.005								27
1400	.1	.005								28
1450	.1	.005								29
1500	.1	.030								30
1550	.1	.005								31
1600	.1	.005								32
1650	.4	.005								33
1700	.2	.005								34
1750	.1	.005								35
1800	.1	.005								36
B1N 1850	N.S.									37
										38
										39
										40

All reports are the confidential property of clients  
All results are in PPM.

DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

DATE REPORTS MAILED Dec. 2, 1981

ASSAYER SKC

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

To: A.F. Roberts, P. Eng.

File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au										
2 B1N 1900 E	.1	.005										1
1950	<del>3</del>	.005										2
2000	.1	.005										3
2050	N.S.											4
2100	N.S.											5
2150	.1	.005										6
2200	.1	.005										7
2250	.1	.005										8
2300	.1	.005										9
2350	.1	.005										10
2400	.1	.010										11
2450	<del>2</del>	<del>.025</del>										12
B1N 2500 E	N.S.											13
0 E												14
B2N 50 E	.1	.005										15
100	.2	.005										16
150	.1	.005										17
200	.2	.005										18
250	.3	.005										19
300	.1	.010										20
350	.3	.005										21
400	.2	.005										22
450	.1	.005										23
500	.1	.005										24
550	.1	.005										25
600	.1	.005										26
650	.1	.050										27
700	.1	.010										28
750	.1	.005										29
800	.1	.030										30
850	.1	.015										31
900	.1	.005										32
950	.1	.005										33
1000	.1	.005										34
1050	.1	.005										35
1100	.1	.005										36
1150	.1	.005										37
B2N 1200 E	.1	.005										38
												39
												40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

DATE REPORTS MAILED Dec. 2, 1981

ASSAYER *XT*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au											
B2N 1250 E	.1	.005											1
1300	.1	.005											2
1350	.1	.005											3
1400	.1	.005											4
1450	.1	.005											5
1500	.1	.005											6
1550	.1	.005											7
1600	.1	.005											8
1650	.2	.005											9
1700	.2	.005											10
1750	.2	.005											11
1800	.2	.005											12
1850	.6	.005											13
1900	.2	.005											14
1950	.1	.005											15
2000	N.S.												16
2050	.2	.005											17
2100	.1	.005											18
2150	.1	.005											19
2200	.1	.005											20
2250	.1	.005											21
2300	.2	.005											22
2350	.1	.005											23
2400	.1	.005											24
2450	.2	.005											25
B2N 2500 E	.1	.005											26
													27
B0 + 50 N	.1	.005											28
100	.1	.005											29
													30
B1 2500E + 50N	.2	.005											31
													32
B2 + 50 N	.2	.005											33
													34
B3N 00	.2	.005											35
50 E	.1	.005											36
100	.2	.005											37
150	.2	.005											38
200	.7	.005											39
B3N 250 E	.8	.005											40

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DIGESTION:.....

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ASSAYER

*skd.*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER





ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

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81-1795

File No. \_\_\_\_\_

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au										
4 B3N 300 E	3	.005										1
350	6	.005										2
400	4	.005										3
450	2	.005										4
500	2	.005										5
550	2	.005										6
600	2	.005										7
650	3	.005										8
700	4	.005										9
750	2	.005										10
800	2	.005										11
850	2	.005										12
900	2	.005										13
950	3	.005										14
1000	2	.005										15
1050	.1	.005										16
1100	.1	.005										17
1150	.2	.005										18
1200	4	.005										19
1250	2	.005										20
1300	.3	.005										21
1350	4	.005										22
1400	.2	.005										23
1450	.1	.005										24
1500	.1	.005										25
1550	.2	.005										26
1600	.1	.005										27
1650	.2	.005										28
1700	.3	.005										29
1750	6	.005										30
1800	7	.005										31
1850	1.5	.005										32
1900	.3	.005										33
1950	.3	.005										34
2000	.2	.005										35
2050	.2	.005										36
B3N 2100 E	.2	.005										37
												38
												39
												40

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ASSAYER CKS.

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

File No. 81-1795

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

**GEOCHEMICAL ASSAY CERTIFICATE**

5

SAMPLE No.	Ag	Au								
B3N 2150 E	.1	.005								1
2200	.1	.005								2
2250	N.S.									3
2300	.1	.005								4
2350	.1	.005								5
2400	.1	.005								6
2450	.1	.005								7
B3N 2500 E	.1	.005								8
										9
B3 2500 E +50N	.1	.005								10
										11
B4N 00	.1	.005								12
50 E	.1	.005								13
100	.1	.005								14
150	.1	.005								15
200	.1	.005								16
250	.1	.005								17
300	.1	.005								18
350	.1	.005								19
400	.1	.005								20
450	.3	.005								21
500	.2	.005								22
550	.1	.005								23
600	.1	.005								24
650	.2	.005								25
700	.1	.005								26
750	.4	.005								27
800	.1	.005								28
850	.1	.005								29
900	.1	.005								30
950	.1	.005								31
1000	.1	.005								32
1050	.1	.005								33
1100	.1	.005								34
1150	.1	.005								35
1200	.1	.005								36
1250	.1	.005								37
1300	.1	.005								38
B4N 1350 E	.1	.005								39
										40

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DIGESTION:.....

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ASSAYER AKC.

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone:253 - 3158

File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE No.	Ag	Au								
B4N 1400 E	.1	.005								1
1450	.1	.005								2
1500	.1	.005								3
1550	.1	.005								4
1600	.3	.005								5
1650	<del>1.0</del>	.005								6
1700	.5	.005								7
1750	<del>1.0</del>	.005								8
1800	.3	.005								9
1850	1.1	.005								10
1900	<del>1.1</del>	.005								11
1950	.1	.005								12
2000	.1	.005								13
2050	.1	.005								14
2100	.1	.005								15
2150	.1	.005								16
2200	.1	.020								17
2250	.1	.005								18
2300	N.S.									19
2350	.1	.005								20
2400	.1	.005								21
2450	.1	.005								22
B4N 2500 E	.1	.005								23
										24
B4 +50 N	.1	.005								25
										26
B5N 00	.1	.005								27
50 E	.1	.005								28
100	.1	.005								29
150	.1	.005								30
200	.1	.005								31
250	.1	.005								32
300	.1	.005								33
350	.1	.005								34
400	.1	.005								35
450	.3	.005								36
500	.1	.005								37
550	.1	.005								38
B5N 600 E	.1	.005								39
										40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

DATE REPORTS MAILED Dec. 2, 1981

ASSAYER JKO

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

ACME ANALYTICAL LABORATORIES LTD.

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File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

7

SAMPLE No.	Ag	Au																			
B5N 650 E	.2	.005																			1
700	.4	.495																			2
750	.4	.005																			3
800	.1	.005																			4
850	.1	.005																			5
900	.1	.005																			6
950	.1	.005																			7
1000	.2	.010																			8
1050	.1	.005																			9
1100	.1	.005																			10
1150	.1	.005																			11
1200	.1	.005																			12
1250	.1	.005																			13
1300	.1	.005																			14
1350	.1	.005																			15
1400	.1	.005																			16
1450	.1	.005																			17
1500	.1	.005																			18
1550	.1	.005																			19
1600	.1	.005																			20
1650	.2	.005																			21
1700	.2	.005																			22
1750	N.S.																				23
1800	.3	.005																			24
1850	.1	.005																			25
1900	.1	.005																			26
1950	.2	.005																			27
2000	.1	.005																			28
2050	.1	.005																			29
2100	.1	.005																			30
2150	.1	.005																			31
2250	.1	.005																			32
2300	.2	.005																			33
2350	.1	.005																			34
2400	.1	.005																			35
2450	.1	.005																			36
2500	.1	.005																			37
																					38
																					39
																					40

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DIGESTION:.....

DETERMINATION:.....

DATE SAMPLES RECEIVED Nov. 12, 1981

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ASSAYER *DKC*

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

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File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

10

SAMPLE No.	Ag	Au									
C2 + 1400 S	.1	.005	✓								1
1450	.2	.005	✓								2
C2 + 1500 S	.1	.005	✓								3
											4
C1 + 50 W	.2	.005	✓								5
											6
0 + 00 <del>100</del>	.1	.005									7
(3W) 50	.1	.005									8
100	.1	.005									9
150	.1	.005									10
200	.1	.005									11
250	.1	.005									12
300	.1	.005									13
350	.1	.005									14
400	.1	.005									15
450	.1	.005									16
500	.1	.005									17
550	.1	.005									18
600	.1	.005									19
650	.1	.005									20
700	.1	.005									21
750	.1	.005									22
800	.1	.005									23
850	.1	.005									24
900	.1	.005									25
950	.1	.005									26
1000	.1	.005									27
1050	.1	.005									28
1100	.1	.005									29
1150	.1	.005									30
1200	.1	.005									31
1250	.1	.005									32
1300	.1	.005									33
1350	.1	.005									34
1400	.1	.005									35
1450	.1	.005									36
1500	.1	.005									37
1550	.1	.005									38
0 + 1600 <del>100</del>	.2	.005									39
											40

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DIGESTION:.....

DETERMINATION:.....

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ASSAYER

DT

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



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To: A.F. Roberts,

File No. 81-1795

Type of Samples

Disposition

GEOCHEMICAL ASSAY CERTIFICATE

11

SAMPLE No.	Ag	Au																			
0+ 1650 <del>A E</del>	.1	.005																			1
1700	.1	.005																			2
1750	.1	.005																			3
1800	.1	.005																			4
1850	.1	.005																			5
1900	.1	.005																			6
1950	N.S.																				7
2000	.1	.005																			8
0+ 2050 <del>A E</del>	.1	.005																			9
2BE 50 S	.1	.005																			10
0+ 00 E	.1	.005																			11
50	.1	.005																			12
100	.1	.005																			13
150	.1	.005																			14
200	.1	.005																			15
250	.1	.005																			16
300	.1	.005																			17
350	.1	.005																			18
400	.1	.005																			19
450	.1	.005																			20
500	.1	.005																			21
550	.1	.035																			22
600	.1	.005																			23
650	.1	.005																			24
700	.1	.005																			25
750	.1	.005																			26
800	.1	.075																			27
850	.1	.005																			28
900	.1	.005																			29
950	.1	.005																			30
1000	.1	.005																			31
1050	.1	.005																			32
1100	.1	.005																			33
1150	.1	.005																			34
1200	.1	.005																			35
1250	.1	.005																			36
0+ 1300 E	.1	.005																			37
																					38
																					39
																					40

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ASSAYER *DT*

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To: A.F. Roberts,

81-1795

File No. -----

Type of Samples -----

Disposition -----

**GEOCHEMICAL ASSAY CERTIFICATE**

12	SAMPLE No.	Ag	Au									
0 +	1350 E	.1	.005									1
	1400	.1	.005									2
	1450	.1	.005									3
	1500	.1	.005									4
	1550	.1	.005									5
	1600	.1	.005									6
	1650	.1	.005									7
	1700	.1	.005									8
	1750	.1	.005									9
	1800	.1	.005									10
	1850	.1	.005									11
	1900	.1	.005									12
	1950	.1	.005									13
	2000	.1	.005									14
	2050	.1	.005									15
	2100	.1	.005									16
	2150	.1	.025									17
	2200	.1	.005									18
	2250	.1	.005									19
	2300	.1	.005									20
	2350	.1	.005									21
	2400	.1	.005									22
	2450	.1	.005									23
0 +	2500 E	.1	.005									24
												25
1 +	50 S	.1	.005									26
												27
2S+	00 E	.1	.005									28
	50	.1	.005									29
	100	.1	.005									30
	150	.1	.005									31
	200	.1	.005									32
	250	.1	.005									33
	300	.1	.005									34
	350	.1	.005									35
	400	.1	.005									36
	450	.1	.005									37
	500	.1	.005									38
2S+	550 E	.1	.005									39
												40

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DIGESTION:.....

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ASSAYER DTG

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER



To: A.F. Roberts,

# ACME ANALYTICAL LABORATORIES LTD.

Assaying & Trace Analysis

852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 81-1795

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

## GEOCHEMICAL ASSAY CERTIFICATE

13

SAMPLE No.	Ag	Au													
2S 600 E	.1	.005													1
650	.1	.005													2
700	.1	.005													3
750	.1	.005													4
800	.1	.005													5
850	.1	.005													6
900	.1	.005													7
950	.1	.005													8
1000	.1	.005													9
1050	.1	.005													10
1100	.1	.005													11
1150	.1	.005													12
1200	.1	.005													13
1250	.1	.005													14
1300	.1	.005													15
1350	.1	.005													16
1400	.1	.005													17
1450	.1	.005													18
1500	.1	.005													19
1550	.1	.005													20
1600	.1	.005													21
1650	.1	.005													22
1700	.1	.005													23
1750	.1	.005													24
1800	.1	.005													25
1850	.1	.005													26
1900	.1	.005													27
1950	.1	.005													28
2000	.1	.005													29
2050	.1	.005													30
2100	.1	.005													31
2150	.1	.005													32
2200	.1	.005													33
2250	.1	.005													34
2300	.1	.005													35
2350	.1	<u>.065</u>													36
2S 2400 E	.1	.005													37
															38
															39
															40

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DIGESTION:.....

DETERMINATION:.....

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ASSAYER [Signature]

**DEAN TOYE, B.Sc.**  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER





To: A.F. Roberts,

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852 E. Hastings St., Vancouver, B. C. V6A 1R6

phone: 253 - 3158

File No. 81-1795

Type of Samples \_\_\_\_\_

Disposition \_\_\_\_\_

## GEOCHEMICAL ASSAY CERTIFICATE

14

SAMPLE No.	Ag	Au																			
2S + 2450 E	.1	.005																			1
2500	.1	.005																			2
																					3
0 +	.1	.005																			4
																					5
0 + 2100 WE	.1	.005																			6
2150	.1	.005																			7
2200	.1	.005																			8
2250	.1	.005																			9
2300	.1	.005																			10
2350	.1	.005																			11
2400	.1	.005																			12
2450	.1	.005																			13
0 + 2500 WE	.1	.005																			14
																					15
																					16
																					17
																					18
																					19
																					20
																					21
																					22
																					23
																					24
																					25
																					26
																					27
																					28
																					29
																					30
																					31
																					32
																					33
																					34
																					35
																					36
																					37
																					38
																					39
																					40

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DIGESTION:.....

DETERMINATION:.....

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ASSAYER

SKO.

DEAN TOYE, B.Sc.  
CHIEF CHEMIST  
CERTIFIED B.C. ASSAYER

*Cu*Geochemical Analysis of Ag, As, & HgSample Preparation

Soil samples are dried at 75°C and sieved to -80 mesh.

Rock samples are ground to -100 mesh.

Digestion

A .50 gram sample is digested with dilute aqua regia in boiling water bath and diluted to 10 mls with demineralized water.

Determination

Ag is determined by Atomic Absorption from the solution, with background correction.

*Cu* As is determined by ICP.

Hg is determined by cold vapour AA using F & J scientific Hg assembly.

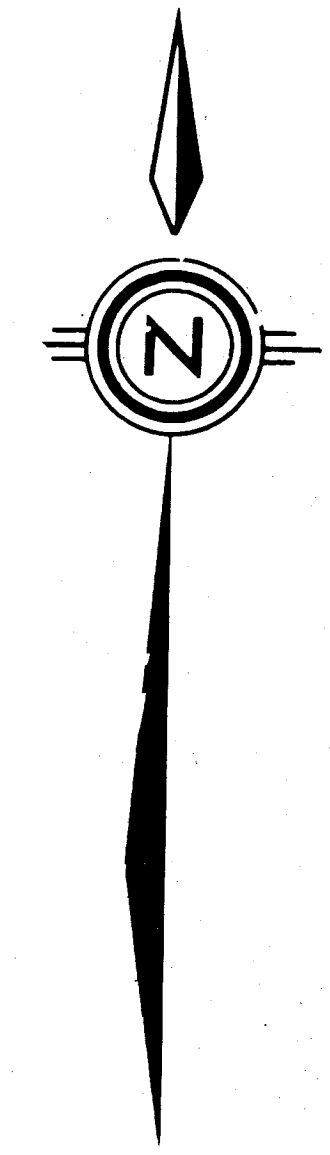
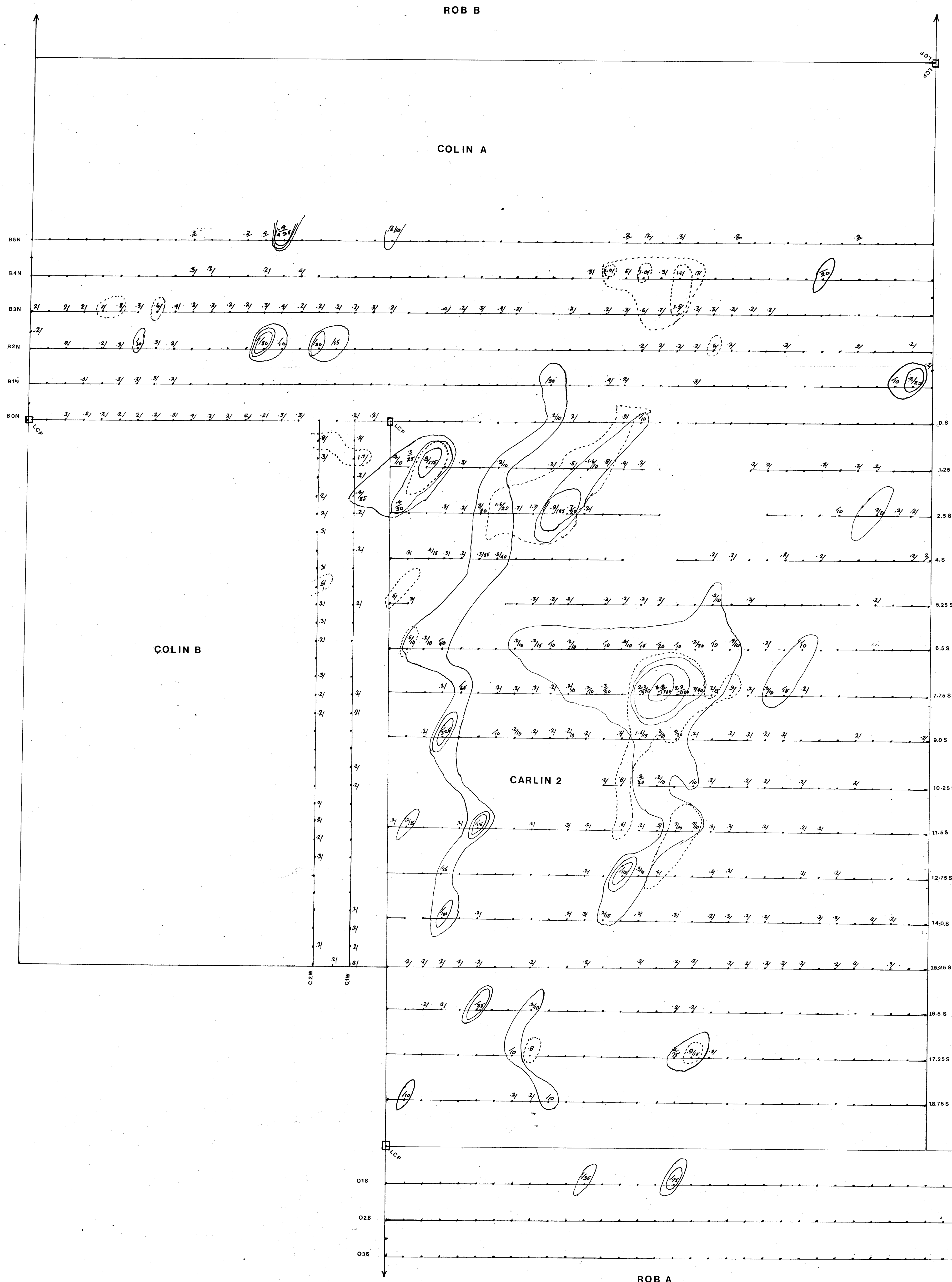
An aliquot is added to stannous chloride-hydrochloric acid solution. The reduced Hg is carried by bubbling air through the solution and passed into the Hg cell determined by AA.

Geochemical Analysis of AuDigestion and extraction

A 10 gram sample which has been ignited over night at 600°C is digested hot with dilute aqua regia, and the clear solution is extracted with Methyl Isobutyl Ketone.

Determination

Au is determined by AA from the MIBK extractant with background correction.



MINERAL RESOURCES BRANCH  
ASSESSMENT REPORT  
**9881**  
NO.

- LEGEND**
- Stations Occupied
  - Au Silver/Gold -5ppm/10ppb
  - Note: Background values, Au 5ppb
  - Ag 0.1ppm, not plotted.
  - Gold Contour
  - Silver Contour

**VANTEX RESOURCES INC.**  
VANCOUVER, B.C.

**CARLIN GROUP**  
KAMLOOPS M.D.  
NTS 92 1/9

**GEOCHEMISTRY**

Drawn by: *A.F.R.*  
Scale: 1cm:50m  
Date: Dec. 7, 1981

150 100 50 0 100 200

To Accompany Report by A. F. Roberts, P.Eng.,  
dated December 7, 1981.

