



WELCOME NORTH MINES LTD.

1027 - 470 Granville St., Vancouver, B.C. V6C 1V5 • Telephone (604) 687-1658



P E L L Y P R O J E C T

A SOIL GEOCHEMICAL REPORT

ON THE

PETER 1-40 MINERAL CLAIMS



Latitude 62° ³⁶35'N,

Longitude 135° ⁰⁷05'W

Claim Sheet 105L/11

Whitehorse Mining District

WORK DONE DURING THE PERIOD AUGUST 6-10, 1980

by

G. H. Rayner, P.Eng. (B.C.)

November 14, 1980

090785



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

\$ 5,591.00

A handwritten signature in dark ink, appearing to be "H. H. H.", written over a horizontal line.

Resident Geologist or
Resident Mining Engineer

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

A handwritten signature in dark ink, appearing to be "B. R. BAXTER", written over a horizontal line.

B. R. BAXTER
Supervising Mining Recorder

A handwritten signature in dark ink, appearing to be "C. J. H.", written over a horizontal line.

Commissioner of Yukon Territory

087000

FROM Mining Recorder at *Whitehorse*

TO Supervising Mining Recorder at Whitehorse, Y.T.

FOR ACTION ARE:



NEW APPL'N for PLACER LEASE to PROSPECT: Name:

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: *Peter 1-40*

105-6-11

Claim sheet no:

Type of report:

Soil Geochemical Report

Submitted by:

Wilkoona North Mines Ltd.

Clas. work performed on:

Peter 1-40

\$ Req. for ren. application

\$5,591.00

Signature *[Signature]* *26 March 1981*

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)	JD GUILD	Occupation	GEOLOGIST
(Postal Address)	1027 - 470 GRANVILLE ST. VANCOUVER B.C.		

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT :-

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

PETER 1-40 YA 50742 - YA 50781

situated at DETOUR LAKES AREA, PELLY RIVER Claim Sheet No. 105 L/11
 in the WHITEHORSE Mining District, to the value of at least \$5591.46
 dollars, since the 10TH day of AUGUST 19 80

to represent the following mineral claims under the authority of Grouping Certificate No. 1
 (Here list claims to be renewed by number and name in numerical order)

YA 50742 - YA 50781 PETER 1-40 14 July 81

40 Mineral Claims to be renewed for one year each:

\$4000.00

Welcome North Mines Ltd.

SHOW DATES WORK COMMENCED AND ENDED ON CLAIMS HAVING DIFFERENT ANNIVERSARY DATES

- The following is a detailed statement of such work: (Set out full particulars of the work done in the twelve months in which such work is required to be done, as shown by Section 53.)

Period when work done: From Aug. 6, 1980 to Aug. 10, 1980

Work done: Linecutting & Geochemical Surveys

Reference: A Soil Geochemical Report on the Peter 1-40 Mineral Claims by G.H. RAYNER

Total Cost - - - - - 5591.46

Work to be applied on the 40 mineral claims listed above 4000.00

Balance of work unapplied \$1591.46

Sworn before me at VANCOUVER
this 9th day of MARCH 19 81

J.D. Guild
Applicant.

A Commissioner for Oaths for Yukon Territory.

40 claim years

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HISTORY AND PREVIOUS WORK	3
GEOLOGY	3
GEOCHEMISTRY	4

Discussion of Method
Discussion of Results

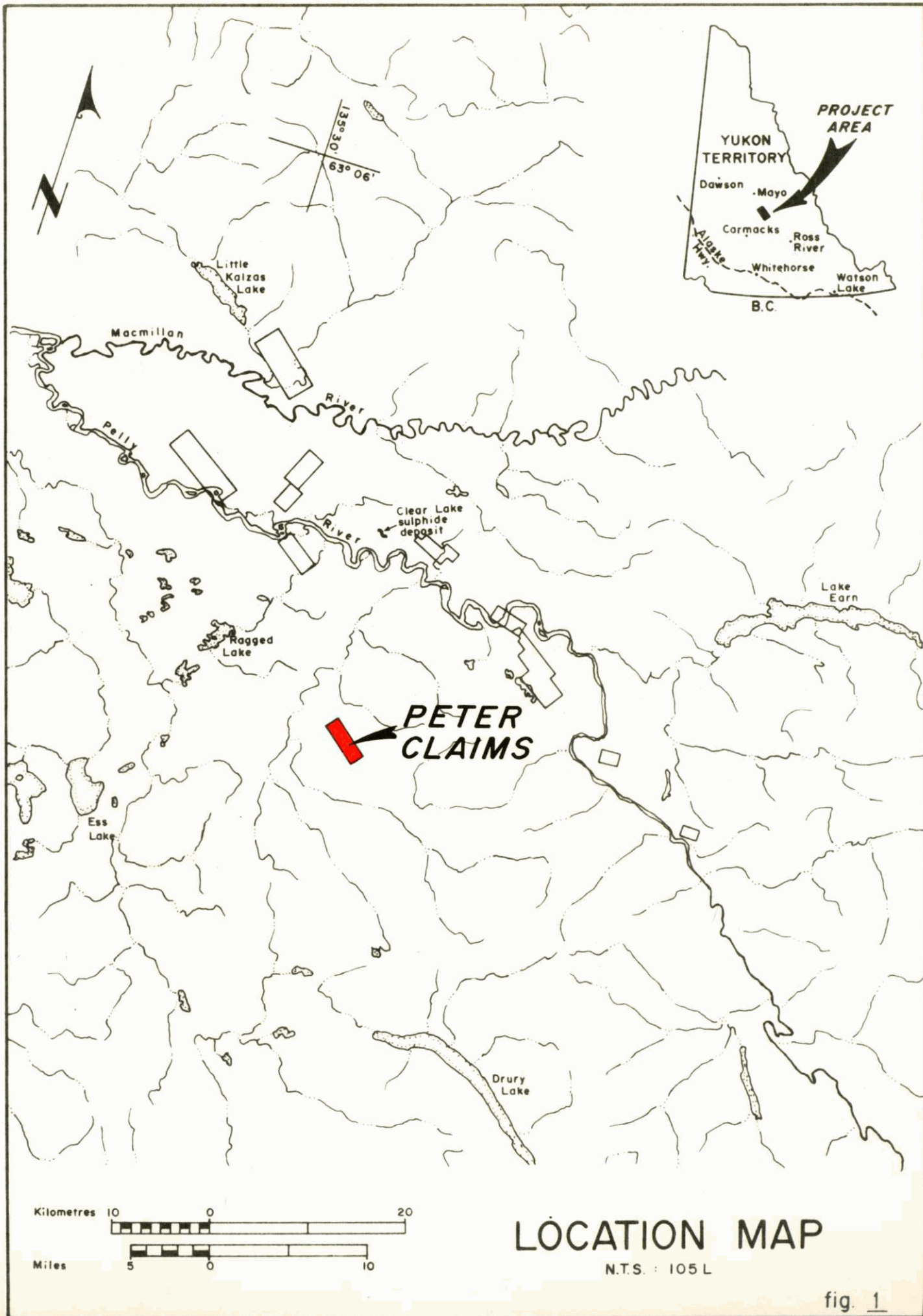
ILLUSTRATIONS

Figure I Location Map

Figure II Claim Map

Figure III Plot of Cu, Pb, Zn Values In Pocket

Appendix I - Geochemical Report by Ketz Enterprises Ltd.
(including Statement of Costs)



PETER CLAIMS

Clear Lake sulphide deposit

Macmillan

Pelly

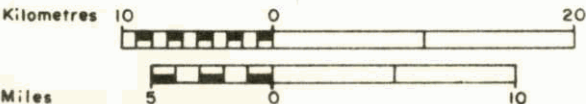
Ragged Lake

Ess Lake

Drury Lake

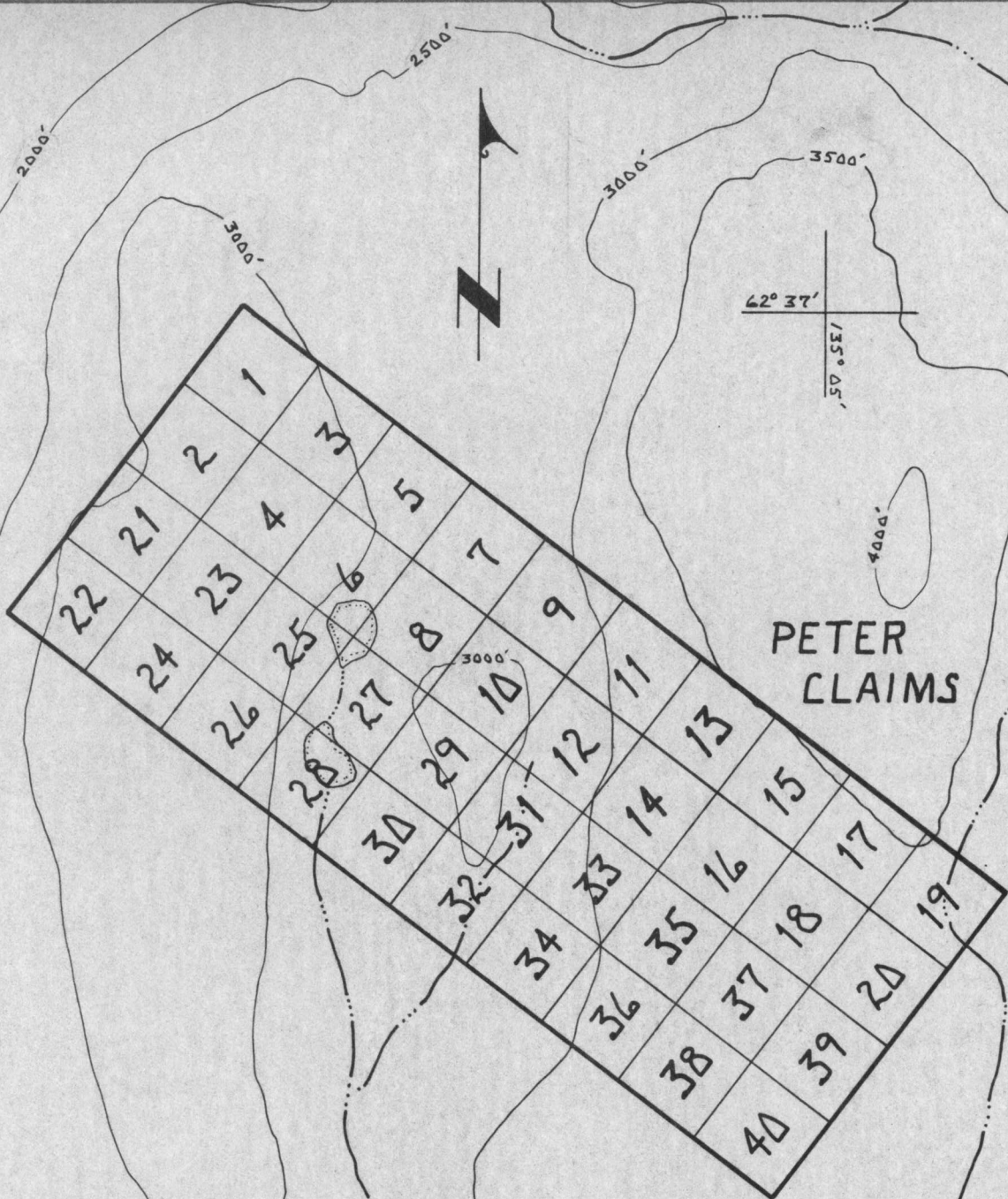
Lake Earn

Little Kalzas Lake

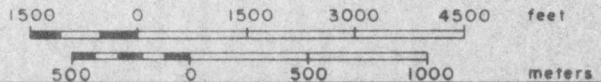



LOCATION MAP

N.T.S. : 105 L



PETER
CLAIMS



 WELCOME NORTH MINES LTD.		
PELLY PROJECT		
<h1>CLAIM MAP</h1>		
Scale 1 : 31,680	Date NOV. 1980	NTS 105L/11
Revised	By G.H.R./d.h.	Fig. 2

CONCLUSIONS

The geochemical results from the present survey are not encouraging. Values in all three elements tested are low and relatively uniform. It seems most likely that the claims do not contain a substantial sulphide body that is in a position to influence soil metal values.

RECOMMENDATIONS

Since the property lies in a favourable geological environment, near the Clear Lake massive sulphide deposit it is recommended that the claims be retained in good standing pending further development in the area.

If further work is required to maintain the claims in good standing, this further work should consist of detailed prospecting and geological mapping.

INTRODUCTION

The PETER claims and several other claim groups were staked as part of the Pelly Project a joint venture between Welcome North Mines Ltd. and E and B Explorations Inc. The claims were located to cover areas potentially favourable for the discovery of a mineral deposit similar to the nearby Clear Lake zone.

During the summer of 1980, Ketz Enterprises Ltd. of Ross River Y.T. contracted to cut a grid over the property and to carry out a geochemical soil survey. The results of this survey are presented in this report.

LOCATION AND ACCESS

The property is located in the Pelly River Valley in the south-central Yukon about 120 miles north at Whitehorse. The specific location would be; Latitude 62° 35'N, Longitude 135° 05'W.

Access for light exploration purposes is by helicopter from bases at Ross River or Carmacks. Several lakes in the area and a gravel airstrip at Clear Lake are suitable for fixed-wing use if required. Bush cover in the district is moderate and generally does not hinder traversing.

HISTORY AND PREVIOUS WORK

Following the discovery by Conwest Explorations Ltd. of the Clear Lake deposit in 1978 the Pelly Project was formed and several geologically favourable areas were staked in the district.

Some 1675 line-kilometres of airborne magnetic and electromagnetic survey were flown over a portion of the district in April of 1980 for the Pelly Project.

GEOLOGY

The detailed geology of the area is poorly understood. In general the area is underlain by somewhat schistose rocks of the Askin Group and by Anvil Range volcanics and shale. These older rocks have been cut by substantial monzonitic intrusives of presumed cretaceous age.

On the Peter Group itself there are no outcrops known so the details of the underlying geology remain obscure.

GEOCHEMISTRY

Discussion of Method

The soil samples were taken at 100 metre intervals along flagged grid lines 400 metres apart. A short handled grub hoe was used to collect the sample. Whenever possible the B² horizon was collected although in some areas only A² material was available. Throughout the district the normal soil profile is overlain by up to 0.5 metres of volcanic ash which must be penetrated to collect the sample.

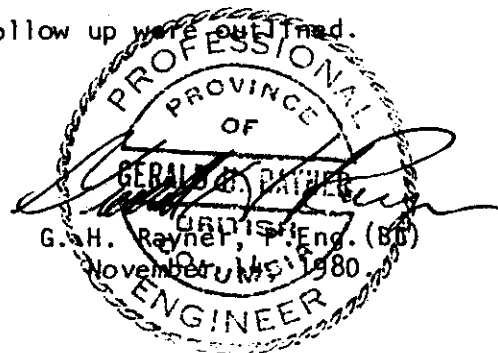
The samples were placed in numbered kraft paper envelopes and sent to Whitehorse Assay Labs, Whitehorse, Y.T. for analysis.

The samples were dried, screened to minus 80 mesh and a weighed portion was digested in hot HNO₃ and HClO₄. The resulting solution was then analysed by Atomic Absorbtion Spectrometer for copper, lead and zinc.

Discussion of Results

The values reported for all three elements were surprisingly low.

No areas warranting closer geochemical follow up were identified.

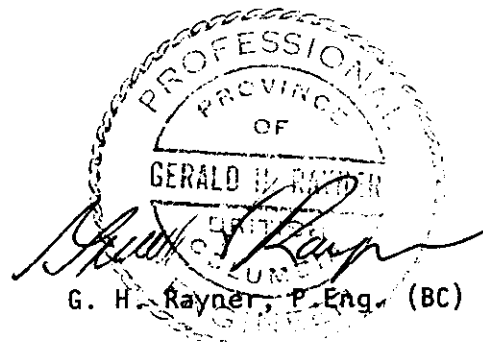


CERTIFICATE

I, Gerald H. Rayner do hereby certify that:

1. I am a consulting geological engineer with offices at
626 Duchess Avenue, West Vancouver, B.C.
2. I am a graduate of the University of British Columbia (B.Sc. Geology).
3. I am a member in good standing of the Association of Professional
Engineers of the Province of British Columbia.
4. I have practiced my profession since 1958 primarily in Western
North America and the South Pacific.
5. This report is based on personal visits to the PETER claims
and other Pelly Project properties in the area between July 31st
and August 6th, 1980 and on available published reports and
private data.

West Vancouver, B.C.
November 14, 1980



APPENDIX I

GEOCHEMICAL REPORT

PETER Claims

Claim Sheet 105L11

Location 62° 35' 135° 05'

Mining District - Whitehorse

T A B L E O F C O N T E N T S

Forward	Page One
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2 Cu Contours	
3 Pg Contours	
4 Zn Contours	

KETZA ENTERPRISES LTD.

ROSS RIVER
YUKON, Y08 1S0

BLAKE S. MACDONALD, Pres.

Phone (403) 969-2237
Telex 036-8-317

Page One

F O R W A R D

During the period July 15th to August 14th, 1980, Ketzta Enterprises Ltd. was employed and supervised by Welcome North Mines Ltd. to undertake the controlled geochemical sampling of eleven properties in the Detour Lakes area of the Pelly River valley. Ketzta Enterprises collected all samples and prepared all maps for the surveys. All results were then sent to Welcome North Mines Ltd. No effort was made by Ketzta Enterprises to interpret results or to tie results into existing geological information. During the analysis of samples, certain samples from RSVP, PVA, and PDQ claim blocks were destroyed by fire at the Whitehorse Assay Office.

submitted by,

Blake S. Macdonald

D A T E S O F S U R V E Y

<u>Property Name</u>	<u>Dates of Survey</u>
RSVP	July 15 - August 4
PVA	July 15 - August 4
PDQ	July 15 - August 4
PELLY	July 15 - August 4
WHIP	July 15 - August 4
VSE	July 15 - August 4
SAP	July 15 - August 4
HUGH	August 1 - August 8
GRAF	August 2 - August 8
<u>PETER</u>	<u>August 6 - August 10</u>
HANK	August 10 - August 14

L I S T O F C L A I M S

<u>Claim Name</u>	<u>Claim Tag</u>	<u>Claim Held By</u>
SAP	1- 20 YA25355-YA25374	
PDQ	1- 20 YA25375-YA25394	1- 8 Blake Macdonald 9-16 Lash Ladue 17-20 Jerry Ladue
VSE	1- 75 YA25400, YA48001- YA48134	
WHIP	1- 30 YA48135-YA48164	
PELLY	2- 20 YA48165-YA48185	
PVA	1- 24 YA25331-YA25354	
RSVP	1- 32 YA25299-YA25322	
GRAF	1- 36	
HUGH	1-102	
HANK	1- 90	
<u>PETER</u>	<u>1- 40 YA50742-YA50781</u>	

<u>CLAIM NAME</u>	<u>CLAIM SHEET</u>	<u>MINING DISTRICT</u>	<u>LOCATION</u>	
SAP	105L9	Whitehorse	62°36'30"	134°24'
PDQ	105L10	Whitehorse	62°39'	134°35'
VSE	105L10	Whitehorse	62°42'	134°47'
WHIP	105L10	Whitehorse	62°44'	134°52'
PELLY	105L14	Whitehorse	62°47'	135°02'
PVA	105L14	Whitehorse	62°48'	135°21'
RSVP	105L14	Whitehorse	62°49'	135°21'
GRAF	105L11/14	Whitehorse	62°45'	135°20'
HUGH	105L13/14	Whitehorse	62°47'	135°30'
HANK	105L13/14	Mayo	62°55'	135°30'
PETER	105L11	Whitehorse	62°35'	135°05'

G E O C H E M I C A L S U R V E Y

Method of Control

The control of sampling was obtained by the use of compass and chained lines. To tie the lines into the claim block the base lines were run along claim lines tying the claim posts into the grid. Cross lines were run at intervals of 400 meters at right angles to the base lines and sample stations were at intervals of 100 meters on the cross lines.

Method of Collection

At 100 meter intervals on the flagged cross lines samples were obtained with the use of a mattock from the B horizon which in most cases was just below the ash layer that overlays the Detour Lakes area approximately 12 - 18 inches below the surface. The samples obtained were placed in a Kraft envelope and the envelope was marked with the claim block name and the line and station.

Method of Analysis

Samples collected were sent to Whitehorse Assay labs, a division of Barringer Magenta and run accordingly.

Method of Analysis (Continued)

1. Samples are dried.
2. Sieved to minus 80 mesh.
3. Weighed to 0.5 gms.
4. Digested in hot HNO_3 & HClO_4 for 4 hours.
5. Cooled and brought up to 5 MLS, shaken and settled.
6. Analysed on an Atomic Absorption Spectrometer.
7. Sample results are recorded and returned to Ketz Enterprises Ltd. to be recorded on grid plans.

K E T Z A P E R S O N N E L E M P L O Y E D

<u>Name</u>	<u>Period</u>
Jerry Ladue	July 15 - August 5
John Etzel	July 15 - August 5
Charlie Ollie	July 27 - August 3 July 10 - August 14
John Tommy	July 27 - August 3 July 10 - August 14
William Atkinson	July 27 - August 12
Ron Etzel	July 29 - August 4
Dan Etzel	July 29 - August 4
Fred Peter	July 27 - August 14
Gordon Peter	July 10 - July 12
Pat Etzel	July 10 - July 12
Blake Macdonald	July 15 - July 17 July 27 - August 8

KETZA ENTERPRISES LTD.

ROSS RIVER
YUKON, Y0B 1S0

BLAKE S. MACDONALD, Pres.

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Telex 036-8-317

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STATEMENT OF COSTS

INVOICE

TO: Welcome North Mines Ltd.,
1027 - 470 Granville St.,
Vancouver, B.C.
V6C 1V5

<u>Claim Name</u>	<u>Number of Claims</u>
PETER	40
Helicopter	\$ 811.83
Chain & Compass Grid	
24.8 Km @ \$145.00/Km	3,596.00
Geochem Samples	
216 Samples @ 3.80/Sample...	820.80
Fuel \$ / \$ Flying	
0.07 X 811.83.....	56.83
Fixed Wing	
\$4.53 X Claim 40.....	181.20
Freight	
0.62 X Claim 40	24.80
Report preparation costs, including map printing, photocopies, folders, drafting service.....	100.00
TOTAL	\$ 5,591.46
COST/CLAIM	\$139.79

L0E	L1E	L2E	L3E	L4E	L5E	L6E	L7E	L8E	L9E	L10E	L11E
16,11,55	22,5,37	11,4,10	3,3,2	13,35,115	17,9,89	8,8,50	5,8,10	29,12,95	8,9,41	29,7,55	9,7,40
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24,13,100	15,12,70	10,8,16		35,6,12	14,8,80	11,9,40	14,11,100	4,6,10	31,7,30	5,4,6	21,10,60
											10,7,41
											135

CLAIM BOUNDARY



PETER CLAIMS 1-40 GEOCHEM VALUES		
SCALE: 1-12,500	APPROVED BY:	DRAWN BY LEL
DATE: SEPT 9/80		REVISED
Cu, Pb, Zn, R.P.M.		
WHITTHORSE MINING DISTRICT	DRAWING NUMBER	
	10529	