

4515

RADVAK ENGINEERING LTD.
PROFESSIONAL MINING ENGINEERS

514 - 850 W. Hastings St.,
275570 GRANVILLE ST.
VANCOUVER 1, B.C.
TELEPHONE 681-4020

92H/10W

SOIL SAMPLING - T.B. GROUP OF CLAIMS

For

PAN ARCTIC EXPLORATIONS LTD.

By

S. Radvak, P.Eng.

Longitude 120° 45' West

Latitude 40° 30' North

Department of	
Mines and Patrimonial Resources	
ASSESSMENT REPORT	
NO. 4515	MAP

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~~2160 BURNABY STREET~~

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TABLE OF CONTENTS

	<u>PAGE</u>
SUMMARY	1
INTRODUCTION	2
PROPERTY	2
LOCATION AND ACCESS	2
CLIMATE	2
PREVIOUS WORK	3
GEOLOGY	3
WORK CARRIED OUT	3
GEOCHEMISTRY	3 - 4
DISCUSSION OF RESULTS	4
ESTIMATE OF COST	5

MAPS

- #1 Location & claim map (and Geology)
- #2 Soil sampling Cu p.p.m.

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S U M M A R Y

Pan Arctic Explorations Ltd. (N.P.L.) own 10 mineral claims in the Similkameen Mining Division.

A soil sampling programme was carried out on the T.B. (1 - 4) claims. Nothing of interest was picked up in the vicinity of the one mineralized shear zone.

No further work is recommended on the T.B. (1 - 4) claims at the present.

SOIL SAMPLING OF T.B. GROUP OF CLAIMS
SIMILKAMEEN MINING DIVISION
BRITISH COLUMBIA

INTRODUCTION

Pan Arctic Explorations holds ten mineral claims in the Similkameen Mining Division, British Columbia. The claims were staked in 1972.

PROPERTY

The property consists of 10 contiguous mineral claims known as the T.B. 1 - 10 claims.

LOCATION AND ACCESS

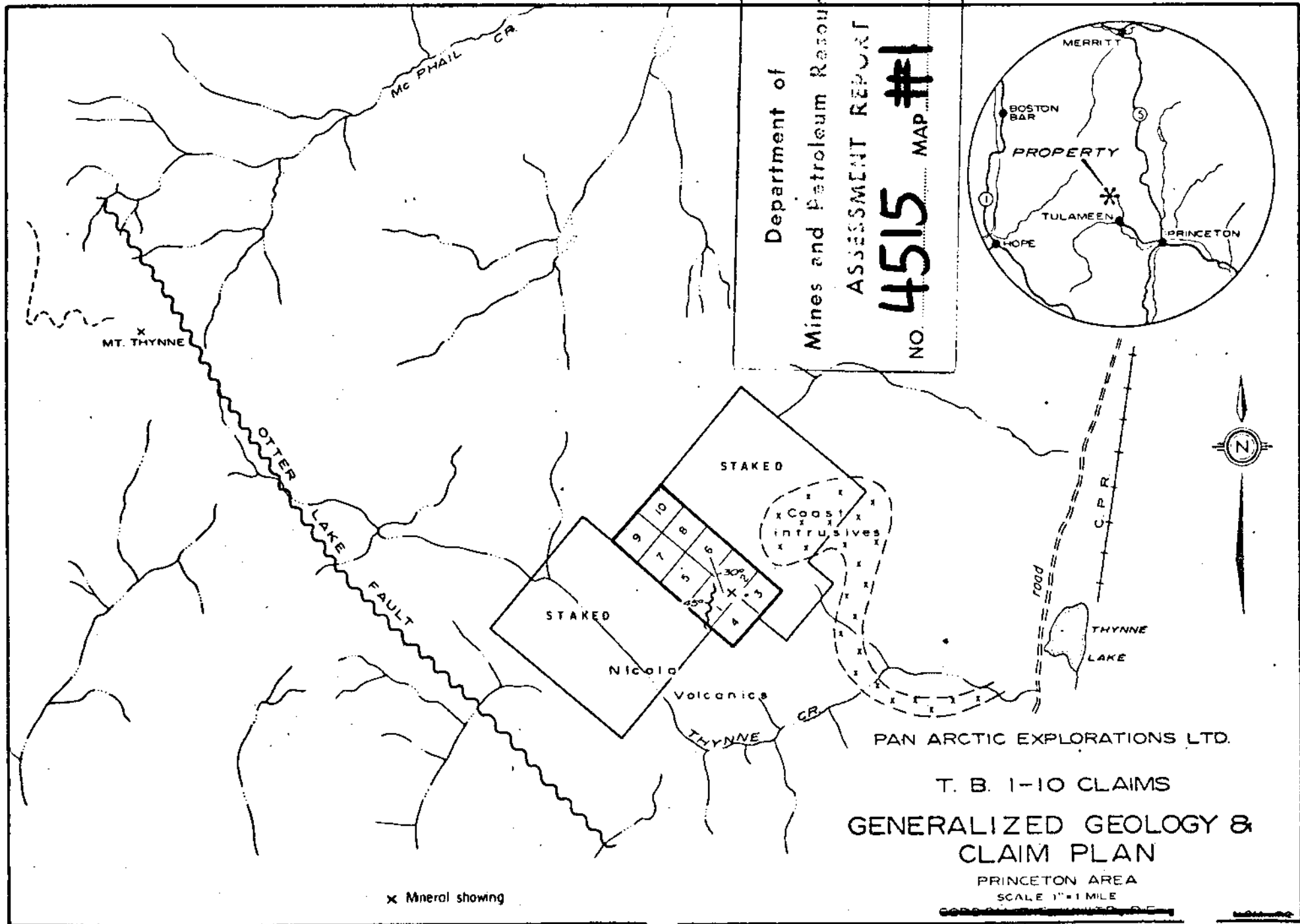
The claim group is approximately 10 miles north-west of Tulameen, B.C. and 3,000' north of Thynne Creek.

A dirt road totalling 40 miles from Princeton comes within 2 1/2 miles of the property. A road could easily be built to the claim group if required at a limited cost.

CLIMATE

The area is warm in the summer (up to 95°) and fairly heavy snow fall in the claim area. The property is at an elevation of 3,700 feet in the valley going to 4,200 feet.

The area is heavily timbered with spruce and pine.



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PREVIOUS WORK

Some trenching and tunneling had been carried out during 1916, 1939, 1941 and 1944, according to G.S.C. Memoir 22⁴ by H.M.A. Price on a mineralized shear filled with pyrite, chalcopryrite.

GEOLOGY

A mineralized shear in andesite at a an elevation of 4,200 feet has been opened up by trenching. The mineralization consists of pyrite, chalcopryrite, molybdenite, quartz and calcite.

Breccia bands with fragments up to six inches are interbanded with the andesite. The mineralization appears along cross faults to the main shear. The mineralization in two zones varies from 12 inches to 4 feet.

Several hundred feet west of the showing, a porphyritic dyke intrudes the andesites. No mineralization is visible.

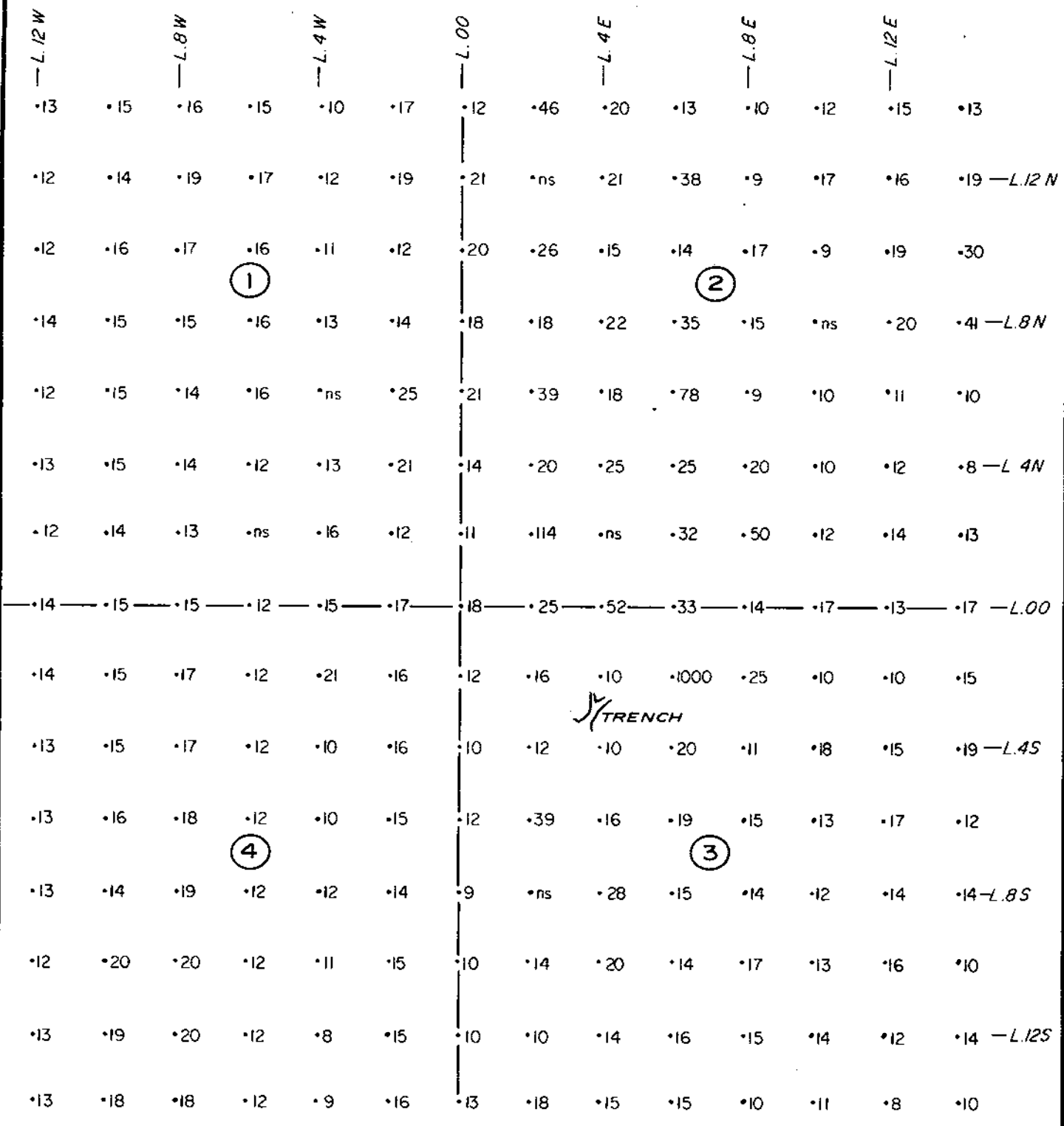
No economic potential is visible in the immediate area of the showing.

WORK CARRIED OUT

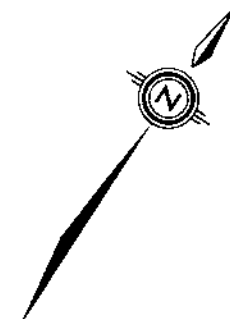
A chain and compass survey was run on the T.B. 1 - 4 claims at 200 foot centres. A total of 10 line miles of control lines were run and 206 soil samples taken.

GEOCHEMISTRY

Soil samples were taken at 200 foot intervals. The samples were taken from the "B" horizon at all times.



TRENCH



PAN ARCTIC EXPLORATIONS LTD. (N.P.L.)
SOIL SAMPLING MAP

Cu pp.m.

TB I-4 CLAIMS
SIMILKAMEEN M.D., B.C.

SCALE: 1" = 400'

4515-M2

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GEOCHEMISTRY - (Cont'd.)

Samples were marked in the field according to section point on picket or flagging. The conventional soil-sample bags were used for the samples.

Core Laboratories dried the samples, screened and analysed each sample for copper by the standard hot and extraction technique. Analyses were obtained in parts per million.

DISCUSSION OF RESULTS

The soil sampling programme carried out in the vicinity of the showing and covering 4 claims did not come up with any new areas of interest.

All the outcrops on lines covered by the survey were fresh andesite with no mineralization of shearing.

No further work is recommended on the property at this time or at least on the T.B. 1 - 4 claims.

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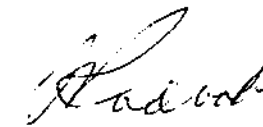
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- 5 -

ESTIMATE OF COST

<u>Person</u>		<u>1973</u>	<u>Cost</u>
S. Radvak	West Vancouver	June 2 - July 2,3,4,5, 10,11,12	\$ 800.00
D.J. Brown	Vancouver	June 2, 29,30 July 1,2,3,4,5	576.00
Kirk Godfrey	Vancouver	July 2,3,4,5	244.00
Terry Dont	Princeton	June 2	60.00
Bill Ashley	Princeton	July 2,3,4	180.00
Gordon Webster	Princeton	July 2,3,4	180.00
Assays			206.00
Truck Rental - 8 days @ \$25./day			200.00
Food and Lodging			<u>275.00</u>
			\$2,721.00
	Assessment work recorded		\$2,000.00

Yours truly,


S. Radvak, P.Eng.



INVOICE

TELEPHONE 688-3504

CORE LABORATORIES LTD.

325 HOWE STREET - VANCOUVER 1, B.C.

SAYERS
CHEMISTS
GEOCHEMISTS

CHARGE TO

PAN ARCTIC
211- 717 W. Pender St.,
Vancouver, B.C.

INVOICE No 593
30-7031

SHIPPED TO:

DATE: 12/7/73	REFERENCE NO.:	YOUR ORDER NO.:
---------------	----------------	-----------------

SHIPPED:	VIA:	TERMS: NET 30 DAYS	UNIT PRICE	TOTAL
----------	------	-----------------------	------------	-------

206	Samples for Copper Geochemical	\$ 1.00	\$ <u>206.00</u>
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ASSAYERS
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GEOCHEMISTS

CORE LABORATORIES LTD.

325 Howe Street Vancouver 1, B.C. Phone 688-3504

Certificate of Analysis

REPORT NO.
593-20-7031

SAMPLE(S) FROM: PAN ARCTIC
211 - 717 W. Pender St.,
Vancouver, B.C.

SAMPLE NO.		Cu (ppm)
L-0	2-S	12
	4-S	10
	6-S	12
	8-S	9
	10-S	10
	12-S	10
	14-S	13
L-0-N + 0-N		18
	2-N	11
	4-N	14
	6-N	21
	8-N	18
	10-N	20
	12-N	21
	14-N	12
L-2-E + 0-N		25
	2-N	14
	4-N	20
	6-N	39
	8-N	18
	10-N	26
	14-N	46
L-2-E	2-S	16
	4-S	12
	6-S	39
	8-S	14
	12-S	10
	14-S	18
L-4-E + 0-N		52
	4-N	25

DATE 11 July 1973 SIGNED 



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SAMPLE(S) FROM:

PAN ARCTIC
211 - 717 W. Pender St.,
Vancouver, B.C.

(Page 2)

SAMPLE NO.

Cu (ppm)

1-4-E + 6-N 18
 8-N 22
 10-N 15
 12-N 21
 14-N 20

1-4-E 2-S 10
 4-S 10
 6-S 16
 8-S 28
 10-S 20
 12-S 14
 14-S 15

1-6-E 2-S 1000
 4-S 20
 6-S 19
 8-S 15
 10-S 14
 12-S 16
 14-S 15

1-6-E + 0-N 33
 2-N 32
 4-N 25
 6-N 78
 8-N 35
 10-N 14
 12-N 38
 14-N 13

1-6-E + 0-N 14
 2-N 50
 4-N 20

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PULP AND REJECTS DISCARDED AFTER 3 MONTHS

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SAMPLE(S) FROM: PAN ARCTIC
211 - 717 W. Pender St.,
Vancouver, B.C.

(Page 3)

SAMPLE NO. Cu (ppm)

	L-3-E + 6-N	9
	8-N	15
Organic	10-N	17
	12-N	9
Organic	14-N	10
Organic	L-8-S 2-S	25
	4-S	11
	6-S	15
	8-S	14
	10-S	17
	12-S	15
	14-S	10
	L-10-E+ 0-N	17
	2-N	12
	4-N	10
	6-N	10
	10-N	9
	12-N	17
	14-N	12
	L-10-E 2-S	10
	4-S	18
	6-S	13
	8-S	12
	10-S	13
	12-S	14
	14-S	11
	L-12-E +0-N	13
	2-N	14
	6-N	11
	8-N	20

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Certificate of Analysis

REPORT NO.
593-30-7031

SAMPLE(S) FROM: P.N.T. ARCTIC (Page 4)
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SAMPLE NO.		Cu (ppm)
Rock	L-12-E+10-N	19
	12-N	16
	14-N	15
Organic	L-12-E 2-S	10
	4-S	15
	6-S	17
	8-S	14
	10-S	16
	12-S	12
	14-S	8
L-14-E +0-N	2-N	17
	4-N	13
	6-N	8
	8-N	10
	10-N	41
	12-N	30
	14-N	19
	14-N	13
L-14-E	2-S	15
	4-S	19
	6-S	12
	8-S	14
	10-S	10
	12-S	14
	14-S	10
2-N	0	17
2-N	2-N	12
	4-N	21
	6-N	25
	8-N	14

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593-30-7031

SAMPLE(S) FROM:

PEN ARCTIC (Page 5)
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Vancouver, B.C.

SAMPLE NO.

Cu (ppm)

2-N 10-N 12
12-N 19
14-N 17

2-N 2-S 16
4-S 16
6-N 15
8-N 14
10-S 15
12-S 15
14-S 16

4-N 0 15

4-N 2-N 16
4-N 13
8-N 13
10-N 11
12-N 12
14-N 10

4-N 2-S 21
4-S 10
6-S 10
8-S 12
10-S 11
12-S 8
14-S 9

6-N 0 12

6-N 2-N -
4-N 12
6-N 16

DATE 11

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Certificate of Analysis

REPORT NO.
593-30-7031

SAMPLE(S) FROM:

PAN ARCTIC
211 - 717 W. Pender St.,
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(Page 6)

SAMPLE NO.

Cu (ppm)

6-N 8-N 16
10-N 16
12-N 17
14-N 15

6-N 2-S 12
4-S 12
6-S 12
8-S 12
10-S 12
12-S 12
14-S 12

8-N 0 15

8-N 2-N 13
4-N 14
6-N 14
8-N 15
10-N 17
12-N 19
14-N 16

8-N 2-S 17
4-S 17
6-S 18
8-S 19
10-S 20
12-S 20
14-S 18

10-N 0 15

10-N 2-N 14

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SAMPLE(S) FROM: PAN ARCTIC (Page 7)
211 - 717 W. Pender St.,
Vancouver, B.C.

SAMPLE NO.		Cu (ppm)
10-N	4-N	15
	6-N	15
	8-N	15
	10-N	16
	12-N	14
	14-N	15
10-N	2-S	15
	4-S	15
	6-S	16
	8-S	14
	10-C	20
	12-S	19
	14-S	18
12-N	0	14
12-N	2-N	12
	4-N	13
	6-N	12
	8-N	14
	10-N	12
	12-N	12
12-N	2-S	14
	4-S	13
	6-S	13
	8-S	13
	10-S	12
	12-S	13
	14-S	13
Unlabelled		15
L-12-E + 4-N		12

DATE 21 July 1973

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