

# 3547

ARAGON EXPLORATION LTD. (N.P.L.)

BEER 1 - 8 GROUP

CANIM LAKE AREA

92-P, Clinton M.D., B.C.

51° 53' N, 120° 51' W.

GEOCHEMICAL REPORT

by

<p>Department of Mines and Petroleum Resources ASSESSMENT REPORT NO. <u>3547</u> MAP _____</p>
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V. CUKOR, P. ENG.

February 25, 1972.

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ILLUSTRATIONS

#1	Figure 1	Location Map	1" = 80 Miles
✓	Figure 2	Soil Sampling - Cu Plot	1" = 500'

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1. INTRODUCTION

Geochemical soil exploration on the grid covering BEER 1 - 8 claims, performed in January 1971, revealed some anomalous copper values. During October 1971, the existing grid was extended for about 4.3 miles and additional geochemical soil sampling was conducted along the lines. A four man crew, under the authors supervision performed the field work. The area was geologically mapped and a number of rock chip samples were taken and geochemically assayed. These results will be submitted in a separate report.

2. PROPERTY, LOCATION, ACCESS

The geochemical exploration was done on the BEER 1 - 8 claim group with record numbers as follows:

<u>Claim No.</u>	<u>Record No.</u>	<u>Recording Date</u>
BEER 1 - 8 (Incl.)	20026 - 33 Inc	February 3, 1970

The claims are located north of Canim Lake, about 24 air miles N.E. of 100 Mile House, B.C. in the Clinton M.D. (see location map, fig. 1.) They are on the NTS Sheet 92-P, north lat.  $51^{\circ}53'$  and west long  $120^{\circ}51'$ , on an approximate elevation of 3,000 feet above sea level.

A gravel road, connected with the highway about 1/2 mile north of 100 Mile House, provides an excellent access to the property. Several logging roads are cut throughout the claims area.

### 3. GEOLOGY

The general geology of the area is shown on the G.S.C. map, Bonaparte River, Map 3 - 1966, scale 1" = 4 Miles. According to this map, the claim group is underlain by volcanic and sedimentary rocks of the Triassic Nicola Group. Less than a mile west of the western claim boundary is a contact with a Triassic dioritic intrusive.

Geological mapping by J.W. McLeod in January 1971 and by D. Symonds in October 1971, revealed that volcanics are mostly green or grey, fine to coarse grained andesites and tuffaceous andesites. Texture is in places porphyritic with plagioclase and/or pyroxene phenocrysts in fine grained groundmass. The rock is generally highly fractured and in places

foliated. A strong propylitic type alteration is encountered with the most significant alteration minerals being K feldspars epidote and chlorite, surrounded with a wide pyrite-pyrrhotite halo.

Geological mapping also outlined an intrusive body of syenitic composition, in the northwest part of the grid.

Copper mineralization, consisting of chalcopyrite as blobs and disseminations, and also as fracture filling was observed on several places, within the areas with high soil copper values. Secondary malachite was also found on several places.

#### 4. GEOCHEMISTRY

The soils and topography on the BEER 1 - 8 claims are favourable for geochemical detection of copper. A total of 117 soil samples were collected along approximately 4.3 miles of blazed grid lines. All stations were clearly marked.

Soil samples were taken with a mattock from shallow holes, preferably from the "B" horizon. They were packed in standard soil sample paper bags, dried up in the camp and shipped to Bondar-Cleg & Company Ltd. to be assayed for Cu and Zn. Fraction of -80 mesh was extracted by hot aqua regia. Method of analysis used was Atomic Absorption.

Results for Cu were plotted on the 1" = 500' scale map

(see Fig. 2)

The typical soil profile in the claim area consists of three distinct and well developed soil layers.

The upper, "A" horizon is the area of the greatest biological activity. This layer is a dark brown to black soil with high percentage of roots and humus. The average thickness is about 6 inches.

The "B" horizon, averaging 2 - 4 inches, consists of yellowish-brown sandy clay. It has a sharp upper contact, and grades gradually into deeper "C" horizon.

The "C" horizon is a mixture of rock fragments and yellowish or brownish clay.

In the low, swampy areas, the soil profile is completely unfavourable for geochemical exploration. A highly organic wet, black, "A" horizon lies directly over "C" horizon and here it is impossible to take a good representative sample.

On the basis of the frequency distribution diagram, constructed for Cu values, all results were grouped

as follows:	Background	0 - 40 ppm Cu
	Threshold Zone	41 - 80 ppm Cu
	Anomalous	81 - 200 ppm Cu
	Highly Anomalous	200 ppm Cu

On the geochemical map (fig. 2) only values over 120 ppm Cu were plotted as anomalous

This exploration revealed two areas with anomalous and highly anomalous Cu values, the highest being 1290 ppm Cu. Only a minor chalcopyrite mineralization has been noted on a few highly fractured rock outcrops, with a strong epidote, chlorite and pyrite alterations developed. The area should be inspected for possible targets of bulldozer trenching, and grid lines and soil sample stations should be surveyed (compass and chain survey) for better correlation of results.

Only some moderately high, erratic Zn values were obtained, of which most do not seem to be connected with Cu highs.

Respectfully submitted



V. Cukor, P. Eng.

APPENDIX "A"

List of personnel employed and of costs of the BEER 1 - 8 Group Project

1. Field Work - October 28 - 31, 1971

Name	Occupation	No of Days	Wages
V. Cukor	Geologist	2	200.00
D. Symonds	Technician	4	300.00
T. Hamm	Line Cutter	4	60.00
M. Ware	Line Cutter	4	60.00
Food & Camp Supplies			150.00
Assaying			<u>176.00</u>
			<u><u>\$946.00</u></u>

2. Report - February 18 - 25, 1972

V. Cukor	Geologist	2.5	250.00
	Drafting	1	40.00
	Typing & Printing		<u>50.00</u>
			<u><u>\$340.00</u></u>

SUMMARY:

1. Field Work	946.00
2. Report	<u>340.00</u>

Declared before me at the  
Total

\$1,286.00

of

at

day of

VANCOUVER, B. C.

FEB 28 1972

Sub - Mining Recorder

A Commissioner for taking Affidavits within British Columbia or  
A Notary Public in and for the Province of British Columbia.



AFFIDAVIT

I, Vladimir Cukor, with address at 3169 West 20th Avenue,  
Vancouver, 8, B.C. do hereby declare:

In the matter of the BEER 1 - 8 Group Report,  
and the list of personnel employed and costs incurred as listed  
in Appendix "A" of this report, that I have inspected personally  
the work and that the information contained in Appendix "A" is  
true and accurate to the best of my knowledge and belief.

*V. Cukor*

V. Cukor, P. Eng.

CERTIFICATE

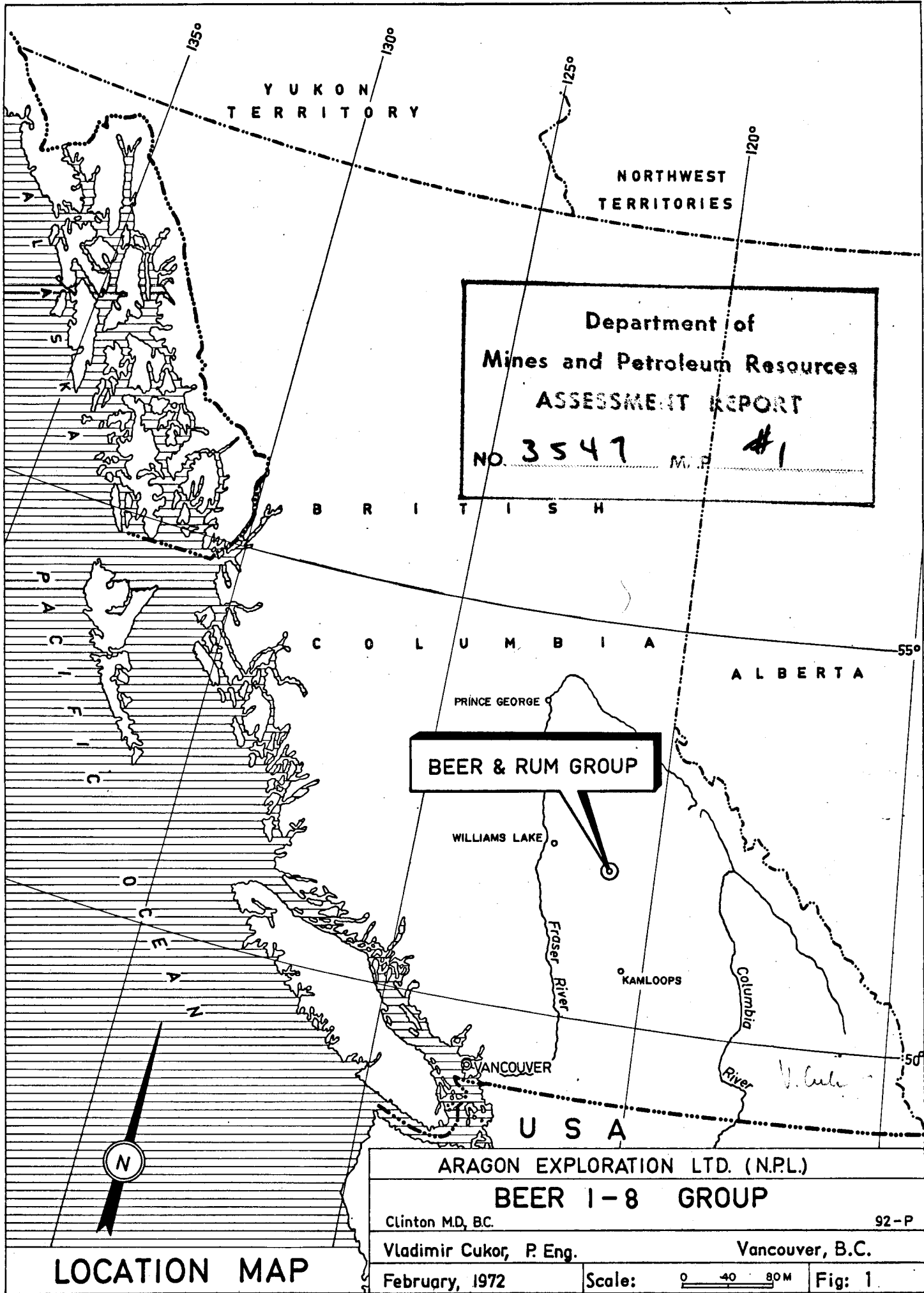
I, Vladimir Cukor, with address 3169 West 20th Avenue, in the City of Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Geological Engineer.
2. THAT I graduated at the University of Zagreb, Yugoslavia in 1963.
3. THAT I am a Registered Professional Engineer in the Geological Section of the Association of Professional Engineers of the Province of British Columbia.
4. THAT I have practised my profession as a Geological Engineer for the past nine (9) years, both in Yugoslavia and Canada.
5. THAT I personally supervised the work on BEER 1 - 8 claims
6. THAT I have no personal interest, directly or indirectly in any of the properties or securities of Aragon Exploration Ltd. (N.P.L.), nor do I expect to receive or acquire any.

Dated the 25th day of February, 1972



V. Cukor, P. Eng.



YUKON  
TERRITORY

NORTHWEST  
TERRITORIES

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 3547 MAP #1

B R I T I S H

P A C I F I C

C O L U M B I A

ALBERTA

PRINCE GEORGE

BEER & RUM GROUP

WILLIAMS LAKE

Fraser River

KAMLOOPS

Columbia River

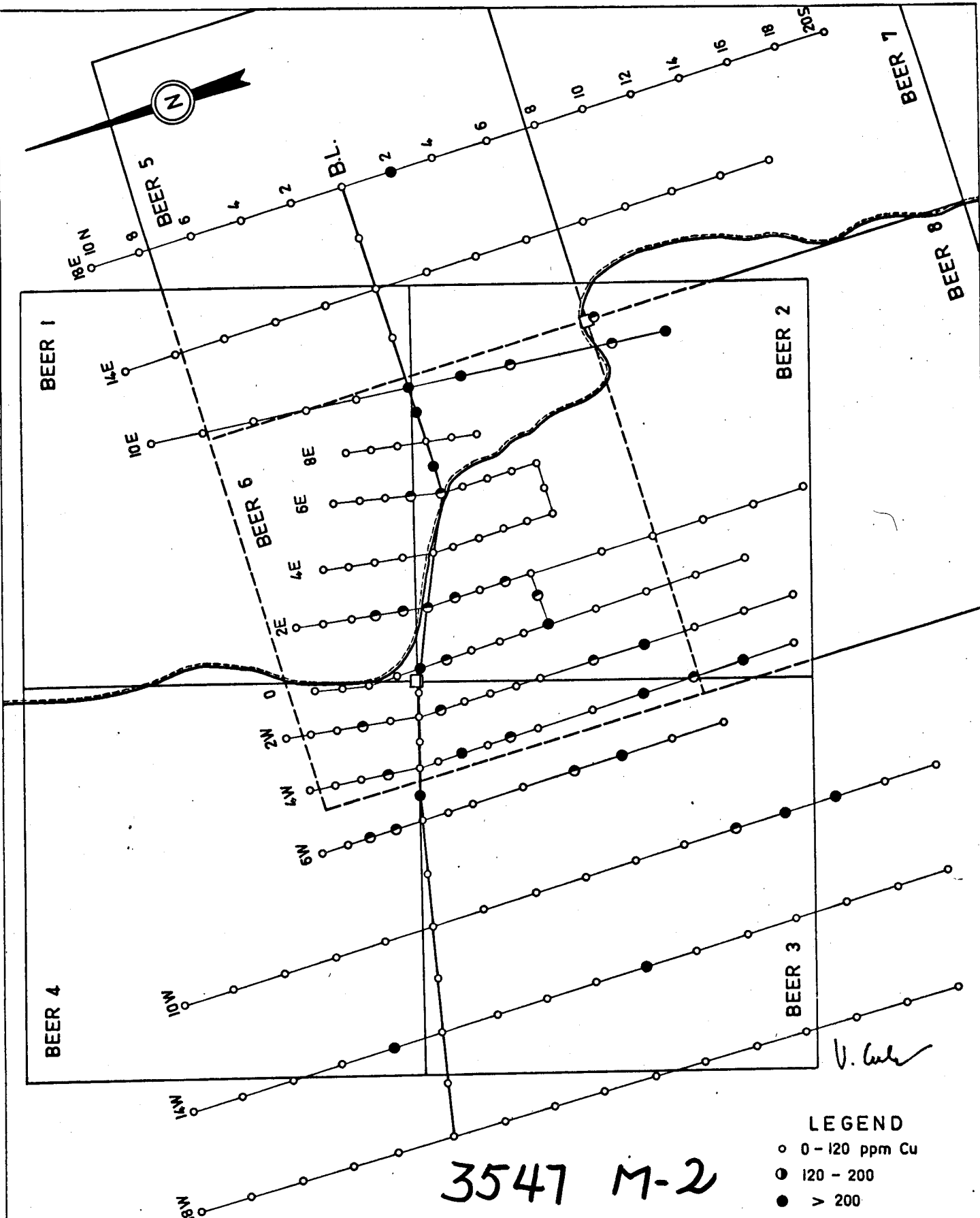
VANCOUVER

U S A



LOCATION MAP

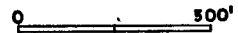
ARAGON EXPLORATION LTD. (N.P.L.)	
BEER 1-8 GROUP	
Clinton M.D., BC.	92-P
Vladimir Cukor, P. Eng.	Vancouver, B.C.
February, 1972	Scale: 0 40 80M Fig: 1



3547 M-2

- LEGEND**
- 0 - 120 ppm Cu
  - ◐ 120 - 200
  - > 200

**SOIL SAMPLING**  
 (Cu) plot

ARAGON EXPLORATION LTD (N.P.L.)	
<b>BEER 1-8 GROUP</b>	
Clinton MD. BC.	92-P
Vladimir Cukor, P. Eng.	Vancouver, B.C.
February, 1972	Scale: 0  500' Fig: 2

*V. Cukor*



BONDAR-CLEGG & COMPANY LTD.

geologists • geochemists • analysts

1500 PEMBERTON AVENUE, NORTH VANCOUVER, B.C.  
PHONE 988-5315

**GEOCHEMICAL LAB REPORT**

No. 21-905

Extraction Hot Aqua Regia

From Aragon Explorations

Method Atomic Absorption

Date November 4, 19 71

Fraction Used -80 Mesh

Analyst K.B.

SAMPLE NO.	Cu ppm	Zn ppm						REMARKS
18E - 10N	12	46						
4N	43	50						
2N	21	78						
2S	219	75						
4S	61	100						
6S	72	50						
8S	29	337						
10S	60	53						
12S	40	87						
14S	50	73						
16S	20	62						
18S	57	58						
20S	10	35						
14E - 10N	47	105						
8N	5	25						
6N	82	39						
4N	41	110						
2N	54	128						
2S	23	64						
4S	28	50						
6S	12	36						
8S	55	50						
10S	85	62						
12S	80	54						
14S	22	79						
16S	72	75						
10E - 10N	74	52						
8N	10	43						
6N	45	193						
4N	7	21						
2N	2	8						

## GEOCHEMICAL LAB REPORT

SAMPLE NO.	Cu ppm	Zn ppm	SAMPLE NO.	Cu ppm	Zn ppm	REMARKS
10E- 2S	450	51	10W - 10N	4	9	
4S	125	32	8N	5	55	
6S	NS	NS	6N	23	115	
8S	165	35	4N	14	106	
10S	325	79	2N	27	28	
2E - 7S	35	65	BL	16	169	
9S	15	52	2S	5	38	
11S	97	60	4S	30	40	
13S	20	48	6S	65	62	
15S	84	69	8S	6	18	
OE - 7S	89	122	10S	45	107	
9S	26	71	12S	119	124	
11S	10	32	14S	392	49	
13S	10	56	16S	282	100	
BL 12 - 00E	40	65	18S	19	102	
BL 14 - 00E	55	107	20S	76	63	
BL 16 - 00E	67	85	12W - BL	63	23	
BL 18 - 00E	81	48	14W - 10N	11	51	
BL 18 - 6N	39	72	8N	4	62	
BL 18 - 8N	12	45	6N	13	104	
2W - 7S	153	75	4N	30	80	
9S	225	60	2N	235	5	
11S	10	17	BL	50	179	
13S	56	83	2S	106	56	
15S	41	76	4S	54	85	
4W - 7S	55	130	6S	17	51	
9S	316	120	8S	399	13	
11S	142	145	10S	30	62	
13S	202	110	12S	15	135	
15S	82	115	14S	21	80	
6W - 4S	16	47	16S	45	139	
6S	126	80	18S	41	145	
8S	1290	60	20S	26	60	
10S	30	81	16W - BL	49	7	
12S	71	60	18W - 10N	3	27	
8W - BL	63	88	8N	15	65	

