4265

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

CANIM LAKE PROPERTY

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

51° 53' N 120° 51' W

PROGRESS REPORT

by

V. CUKOR, P. ENG.

FEBRUARY 19, 1973

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

CANIM LAKE PROPERTY

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

51° 53'N 120° 51'W

1. INTRODUCTION

This report summarizes work conducted on the Canim Lake property, by ARAGON EXPLORATIONS LTD.(N.P.L.) during 1972. The field work consisted of geological mapping, geochemical exploration, bulldozer and geophysical survey, totaling about $ 27,000.00.

Most of the geological and geochemical work has been applied on the North Grid, the area of recently located claims. This survey was conducted by the Writer, or by H. S. Aikins under the Writer's supervision.

Geophysical exploration was carried out by Atled Exploration Management Ltd., and results are submitted in a separate report.

2. PROPERTY, LOCATION, ACCESS

The property presently consists of a total of 72 contigous mineral claims, recorded as follows:

Claim	Record No.	Recording Date
Beer 1 - 8	20026 - 20033	February 3, 1970
Beer 9 - 22	20199 - 20212	April 22, 1970
Beer 23 - 40	21478 - 21495	June 8, 1970
Pat 1 - 14	25676 - 25689	April 6, 1971
Bet 1 - 8	27878 - 27885	April 11, 1972
Sun 1 - 8	28286 - 28293	June 4, 1972
Sun 9 - 10	29880 - 29881	October 3, 1972

On the topographical map attached as Fig. 2 is shown position and size of the claims, as established by chain and compass survey.

The property is situated in the Canim Lake area, in the Clinton M.D., about 24 airmiles N.E. of 100 Mile House, B.C. It is on the NTS sheet 92-P, Lat. 51° 53'N and Long. 120° 51'W., at approximate elevation 3,000 - 3,500 feet.

Access is provided by a paved road connected with Hwy. 97 about one-half mile north of 100 Mile House. This road extends to within some 8 miles of the property. Local logging roads beyond this point are well maintained and provide direct access to the claims.

3. GEOLOGY

Regional geology is shown on the GSC map, Bonaparte River, Map 3-1966, Scale 1"=4 miles.

The claim area is underlain by triassic, volcanic and sedimentary sequence of Nicola Group. The contact with a dioritic Takomkane Batholith is in the near vicinity of the property's west boundary. Major north-south fault structure, immediately east of the claims separates triassic deposits from jurassic sediments.

Nicola andesite and tuff are two main rock types distinguished on the property. Andesite is mostly green to dark grey-green, fine to coarse grained. In some locations, porphyritic texture is developed, with augite and pink feldspare phenocrysts in dark, fine grained matrix. Concentrations of large magnetite crystals are observed locally in coarser varieties. Tuff usually appears as fine grained, light grey rock.

A number of small instrusive, possible sill-like bodies and dykes, have intruded volcanics. Composition of these bodies varies from fine grained syenite, to medium grained diorite. The most significant variety is mafic intrusive rock, found in several locations along the North Grid (see Fig. 6). Petrographic analysis was carried out by H. T. Carswell, and rock was described as lamprophyre. The general strike of the main zone seems to be NW-SE, with outcrops ranging in size

from several feet to over 600 feet. This rock type is usually highly pyritized (visual estimate locally over 10% py), with fine to coarse grained pyrite, both as disseminations and fracture filling. Anomalous copper content in soil coincide with the outcropping of this rock type.

The strongest alterations were encountered in tuffaceous and andesitic rocks. Epidote and chlorite are widespread secondary minerals often accompanied by biotite and sometimes sericite. Potassium feldspar, calcite and gypsum often appear as fracture fillings. These latest are often related to visible copper mineralization.

Rock is generally highly sheared and fractured, in some locations brecciated.

The most common sulphide minerals found so far, are pyrite and pyrrhotite, accompanied by chalcopyrite and/or bornite, found as disseminations, blebs and small irregular stringers.

4. GEOCHEMICAL SURVEY

Detailed geochemical soil survey was conducted on the extensions of North and Beer Grids, and geochemical reconnaisance was carried out on the Pat claims. During these surveys, 125 samples were tanken on the North Grid, 22 samples on the Beer Grid and 19 samples on Pat claims, for a total of 166 samples. Lines on the North Grid were cut and picketed, with control

established by a chain and compass survey. Spacing between the lines was 400 feet with 200 ft. samples, but on the Beer Grid lines were also locally cut 200 feet apart with samples taken at 100 ft. intervals.. Pat claims were sampled along claim location line, with approximate 500 ft. spaced samples.

Soil samples were taken from mineral soil, mostly from below a variable depth of a black organic layer. At some sites it was not possible to recover soil free of organic contaminations. "B" horizon soils were collected, where a well defined profile was identified. In the low, swampy areas, the soil conditions were completely unfavourable for geochemical exploration. A highly organic, wet, black, "A" horizon lies directly over "C" horizon and at such locations it is impossible to obtain a good representative sample.

Soil samples were packed in standard paper envelopes, partially dried up in the camp, and shipped to Bondar Cleg and Co. Ltd., where they were processed as follows: -80 mesh fraction was extracted by hot aqua regia. The method of analysis applied was Atomic Absorption, with all samples assayed for Cu, and some of them also for Zn.

On the basis of the statistical evaluation, all copper values were grouped into four groups:

1.	Background	0 - 40 ppm Cu
2.	Treshold	41 - 80
3.	Anomalous	81 - 200
4.	Highly anomalous	>200

On the geochemical mpas (Figs. 3 and 7), anomalous areas were outlined by a 100 ppm Cu contour.

On the Pat claims, all values remained in the background limits, and there was no further geochemical work planned at this time.

The Beer Grid survey revealed three geochemically anomalous zones. The first area is located along the baseline, with a peak value of 450 ppm Cu. The anomalous readings of this zone are probably the result of metal concentrations in the creek bed and swamps, with no connections with mineralization in the underlain bedrock. Two other zones, as well as several other isolated high values were found in the areas with a thin residual soil cover, sometimes with a very little possibility of a limited lateral displacement. Closer checking of such areas revealed in most of the cases scattered, low grade copper mineralization in highly altered volcanic rock.

On the North Grid, two areas with anomalous copper readings seem to be significant. A NW-SE elongated zone is associated with a highly pyritized intrusive rock. A highest result of 1500 ppm Cu has returned from a soil sample obtained from a bulldozer trench in the sallow overburden. The source for the anomalous copper content in the area North of Beverly

Lake was not yet discovered, but this could be the largest anomalous zone discovered so far on the entire property.

5. GEOPHYSICAL SURVEY

On the Beer and North Grids, about 5.3 miles of IP, and about 8 miles of magnetic surveys were conducted by Atled Exploration Management Ltd. The purpose of these surveys was primarily to test the areas with anomalous metal content in the soil, and to assist selecting drill targets. The results are enclosed in the separate report, and they completely justified the costs of the survey.

6. PHYSICAL WORK

Physical work on the property consisted of line cutting and bulldozer trenching.

Total of about 3 miles of line cutting was performed on the Beer Grid, and about 8 miles of the North Grid, in preparation for geochemical and geophysical explorations. All lines were surveyed by compass and chain, and plotted on the topographic maps, sale 1"=400'.

Bulldozer trenching was employed on the Beer claims, with approximately 930 cubic yards of overburden moved on the Beer No. 4 and 445 cubic yards moved on the Beer No. 10 mineral claims.

In the North Grid area, a bulldozer was employed on several locations (see Fig. 6). Trenching was done mostly in unconsolidated gravel, but on several locations, highly weathered bedrock was also cut. No significant mineralization was encountered, but a number of geochemical samples with a high copper content were obtained from mineral soil, from most of the trenches. A total of 1,350 cubic yards of gravel and weathered rock were moved on the Bet No. 2 mineral claim, and 3,563 cubic yards of gravel and 357 cubic yards of rock on Bet No. 4.

7. SUMMARY AND RECOMMENDATIONS

Geological, geochemical and geophysical surveys represent a main part of the exploration project carried out on the Canim Lake property during 1972. Results of these surveys are considered very encouraging, and further exploration is fully warranted.

The most important result is a discovery of highly pyritized intrusive rock in the North Grid area, with a high copper content in the overlain shallow overburden, associated with low magnetic response and in the part of the area with I.P., anomaly. Four diamond drill holes should be drilled across this zone, to test the copper content in the bedrock.

Strong I.P. anomaly of a good size with corresponding magnetic high on the west tip of Beverly Lake is also a well defined drill target.

Geochemical Cu anomaly, north of Beverly Lake, should be explored in detail. At least one more northerly line should be located and sampled, to delineate a full size of anomaly. Bulldozer trenching or drilling should be a follow-up work, to obtain bedrock samples.

It is recommended to continue geophysical survey according to the report by Atled Exploration Management Ltd. It is also recommended to extend a geochemical and geological reconnaisance on the part of the property where this work has not been carried out.

Respectfully submitted,

V. Cukor

V. Cukor, P. Eng.

C E R T I F I C A T E

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 Graduate 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 ten (10) years, both in Yugoslavia and Canada.

5. THAT I have personally conducted or supervised the work on the Canim Lake Property.

6. THAT I have no personal interest, directly or indirectly in any of the properties or securities of Aragon Exploration Ltd. (N.P.L.), nore do I expect to receive or acquire any.

Dated the day of February, 1973.

V. Cukor

V. Cukor, P. Eng.

A F F I D A V I T

I, Vladimir Cukor, with address 3169 West 20th Avenue, in the City of Vancouver, in the Province of British Columbia, do hereby declare:

In the matter of the Canim Lake Property 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.

APPENDIX A

List of Personnel Employed and of Costs of

The Canim Lake Property Project

1. FIELD WORK - Geological mapping, Geochemical Survey, and Line Cutting

Name	Position	Period	No. of Days	Wages
T. Hamm	Linecutter	March 1-10	10	$ 200.00
M. Ware	"	March 1-20	20	400.00
R. Rosedale	"	March 14-20	7	140.00
A. Robinson	Cook	March 1-10	10	200.00
R.D. Mitchell	Prospector	March 1-20	15	750.00
H.S. Aikins	Sen. Technician	May 9-19	11	825.00
H.S. Aikins	"	Sept. 15-22	8	600.00
M. Foley	Helper	Sept. 14-23	10	200.00
V. Cukor	Geologist	Sept. 19-22	3	300.00
R.D. Mitchell	Prospector	Sept. 19-22	3	150.00
H.S. Aikins	Sen. Technician	Nov. 11-17	7	525.00
V. Cukor	Geologist	Nov. 10-19	10	1,000.00
			WAGES	$ 5,290.00
Food and Lodging	114 days @ $10.00			1,140.00
Travel Expenses				320.00
			FIELD WORK TOTAL	$ 6,750.00

2. OFFICE

Topographical Map 1" = 1000			$ 200.00
Geological and Geochemical Data Processing:			
V. Cukor	Geologist	3 days	300.00
H.S. Aikins	Sen. Technician	3 days	225.00
N. Cukor	Draftsman	10 days	500.00
Report:			
V. Cukor	Geologist	3 days	300.00
Typing, Printing, Etc.			100.00
Assays			485.00
		OFFICE TOTAL	$ 2,110.00

APPENDIX A Cont'd.

SUMMARY

1.	Field Work	$ 6,750.00
2.	Office Work	2,110.00
TOTAL EXPENDITURE		$ 8,860.00

Declared before me at the City of Vancouver, in the Province of British Columbia, this 5 day of March 1973, A.D.

L S Mitchell

T Phillips

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

SUB-MINING RECORDER

APPENDIX B

Trenching on Bet Mineral Claims

Bet 2 M.C.

Sidehill cut along road - Line "B"
Length: 2+00 to 8+00 = 600 feet
Width: Varies from 15 to 30 feet = avg. 22.5 feet
Height: (Upslope side) 3 to 7 feet = avg. 7.0 feet

$$\text{Volume} = \frac{W \times H}{2} \cdot L \div 27 = \frac{22.5 \times 7}{2} \times 600 \div 27 = 1{,}750 \text{ Cu.Yds.}$$

Less allowance for old road:

i.e. $\frac{12 \times 3}{2} \times 600 \div 27 = 400$ Cu.Yds.

Trenched Volume 1,750 - 400 = 1,350 Cu.Yds.
Composition: 2/3 unconsolidated gravel, 1/3 weathered rock
All credited at $3.00 per yd.
Value: 1,350 x $3.00 = $4,050.00

Bet 4 M.C.

Trenching along grid lines
Average width = 14 ft.
Average depth = 3 ft.
Volume = 1.55 Cu.Yds./Lin.Foot

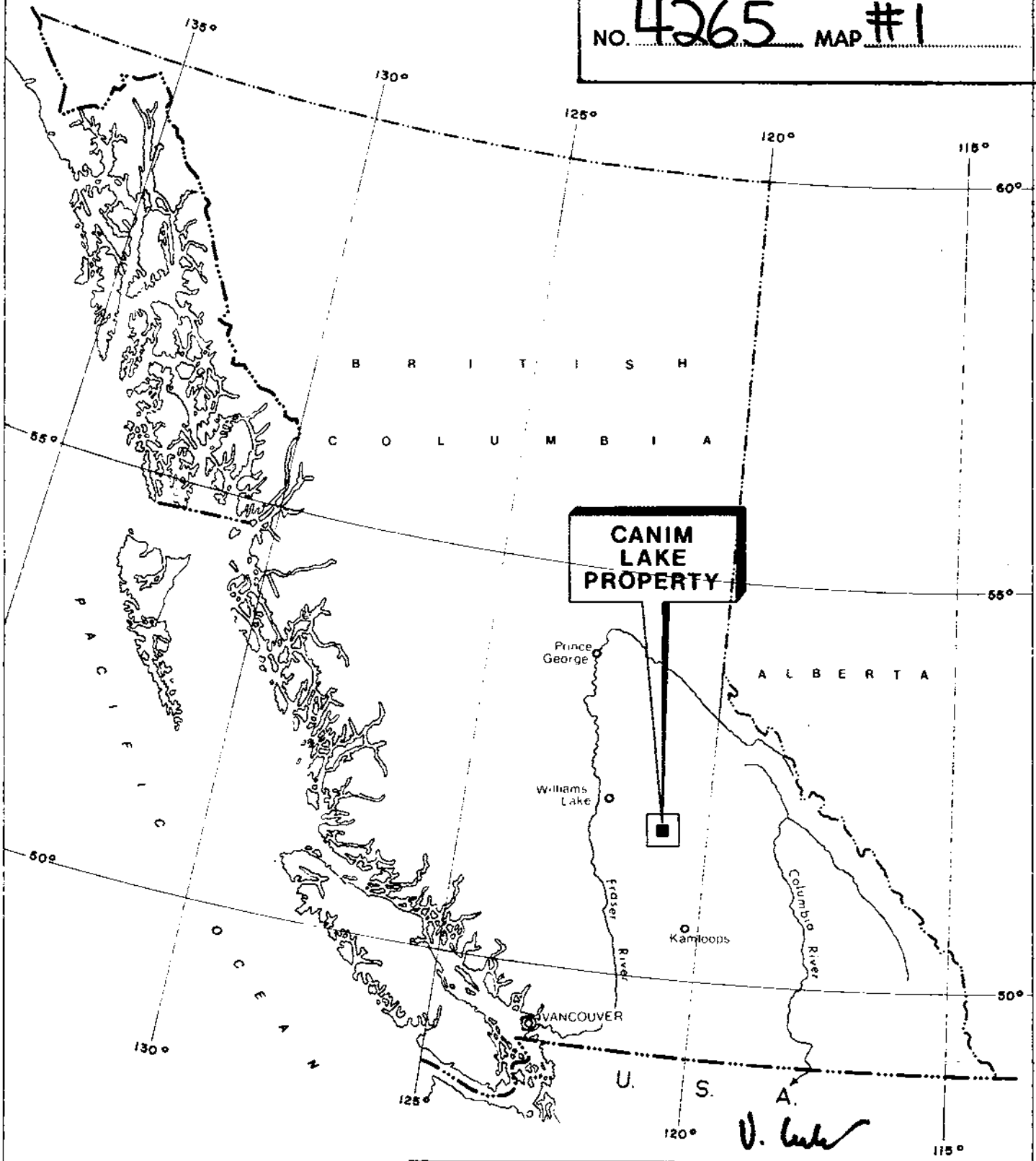
Baseline:	102E to 112E	= 1000 ft. x 1.55 yd^3/ft =	1,550	Cu.Yds.
Line 100E:	16N to 18N	= 200 ft. x 1.55 yd^3/ft =	310	Cu.Yds.
Line 100E:	19N to 24N	= 500 ft. x 1.55 yd^3/ft =	775	Cu.Yds.
Line 104E:	13N to 19N	= 600 ft. x 1.55 yd^3/ft =	930	Cu.Yds.
		Total Trenched Volume	3,565	Cu.Yds.

Composition:	90% unconsolidated gravel		3,208 Cu.Yds.
	10% rock		357 Cu.Yds.
Value:	3,208 x $3.00 =	$ 9,624.00	
	357 x $5.00 =	1,785.00	
		$11,409.00	

Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 4265 MAP #1



LOCATION MAP

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

CANIM LAKE PROPERTY

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

Vladimir Cukor, P. Eng. Vancouver, B.C.

February, 1973 Scale: 0 100 M Fig: 1

NCL

PICKLANDS MATHER & CO.

Susan Lake

Beverly Lake

Judy Lake

Roger Lake

Eagle Cr.

UNITED MILDRED PATS CLAIMS

BEER CLAIMS

SUN 1 SUN 2 SUN 3 SUN 4 SUN 5 SUN 6 SUN 7 SUN 8 SUN 9 SUN 10

BET 1 BET 2 BET 3 BET 4 BET 5 BET 6 BET 7 BET 8

4265 M:2

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

CANIM LAKE PROPERTY

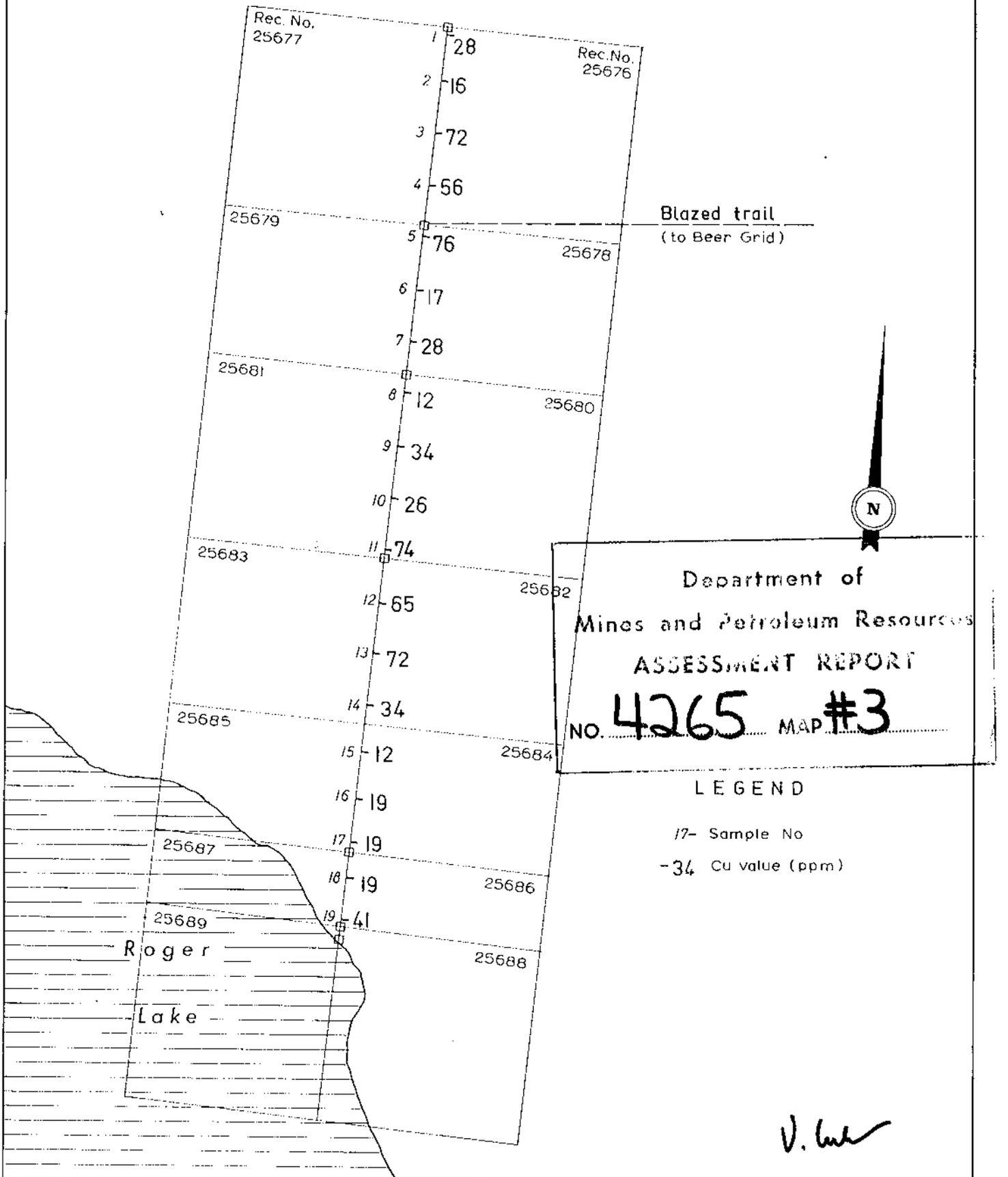
LOCATION AND TOPOGRAPHY

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

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 Scale: 0 1000' Fig. 2

To accompany report by V. Cukor, P.Eng.



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4265 MAP #3

LEGEND

17- Sample No

-34 Cu value (ppm)

V. Cukor

GEOCHEMICAL SURVEY
COPPER PLOT

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

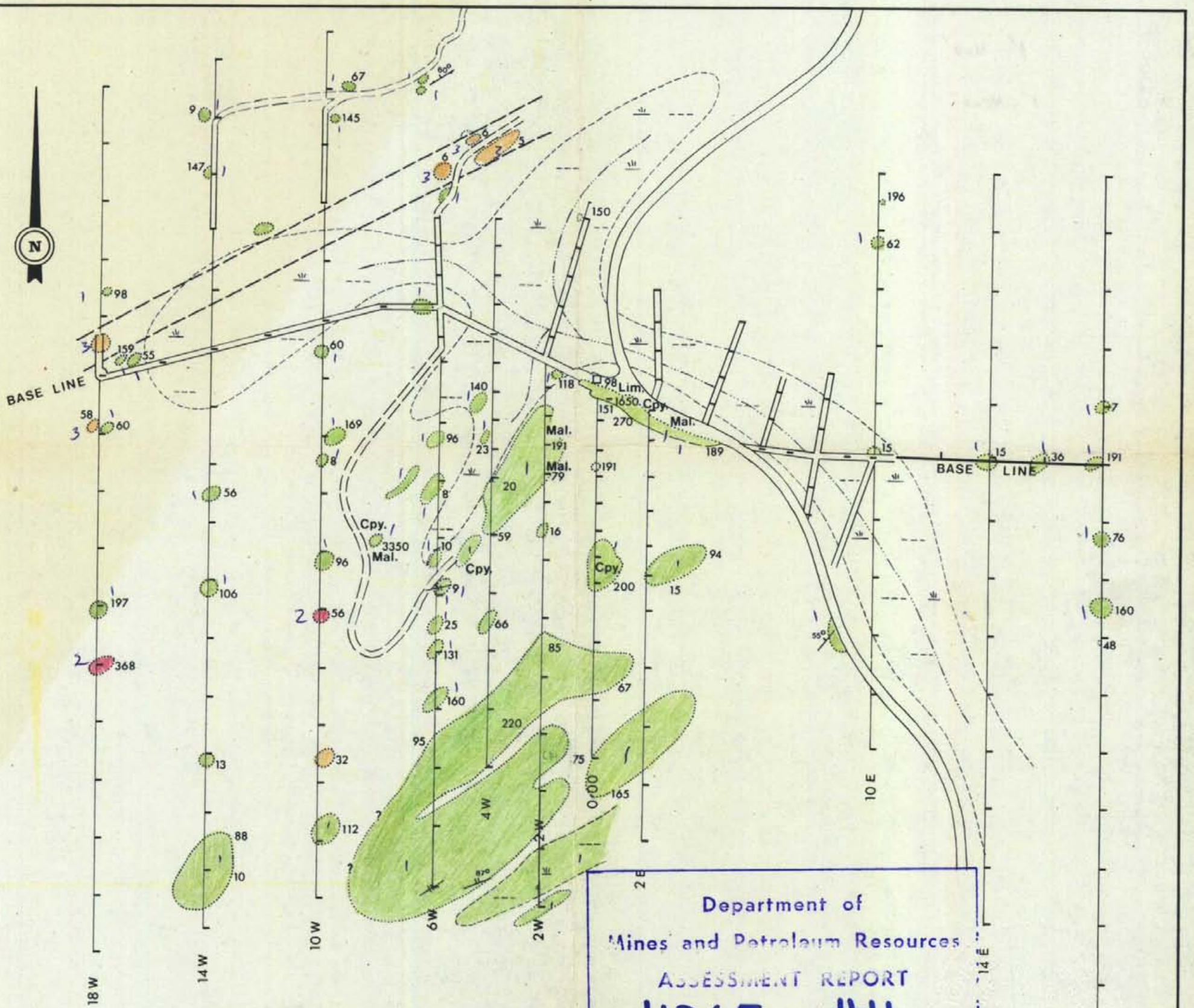
PAT CLAIMS

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

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 Scale: 0 1000 Fig. 3

NCL



Department of Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 4265 MAP #4

To accompany report by V. Cukor P.Eng.

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

BEER GRID

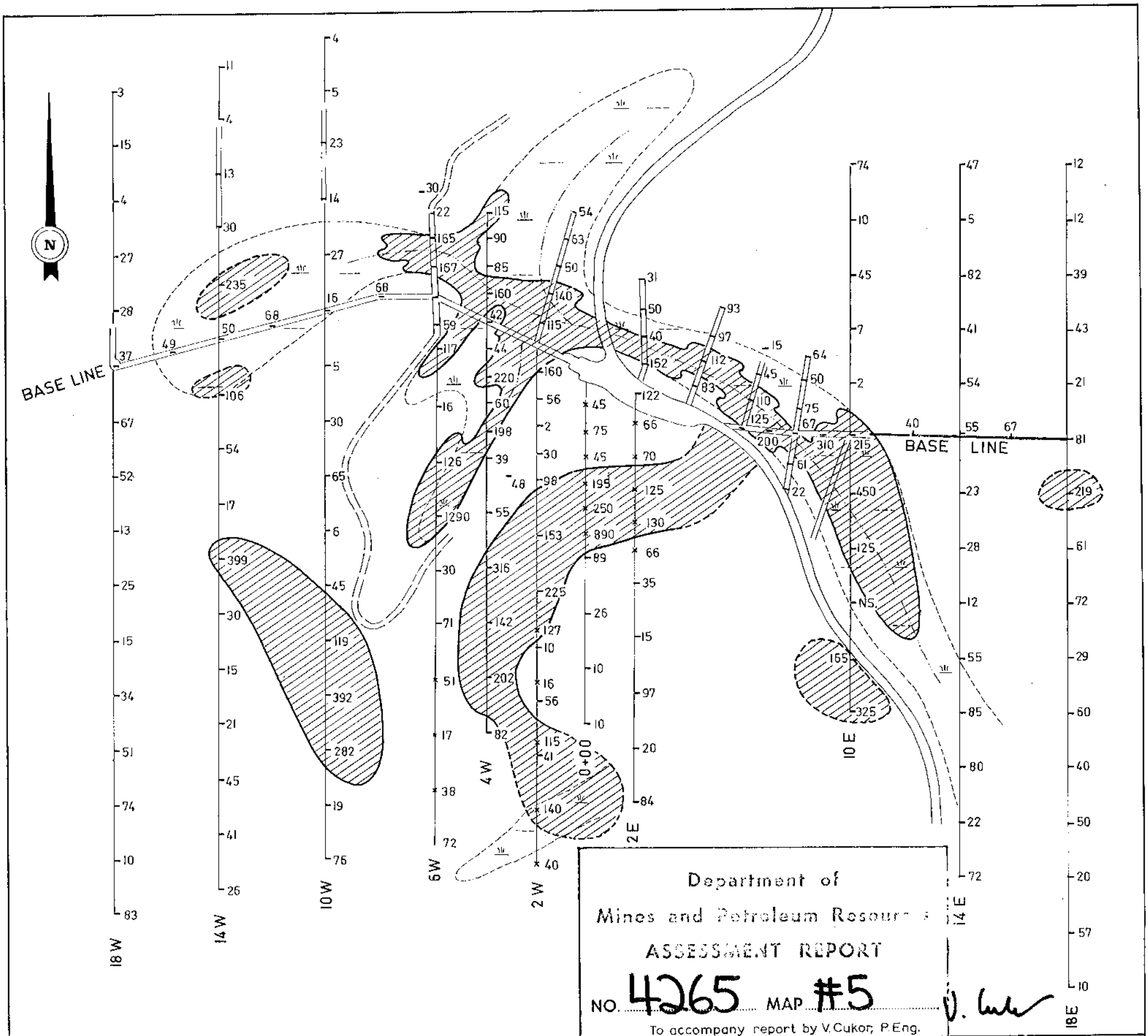
GEOLOGY & ROCK GEOCHEMISTRY

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

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 Scale: 0 200 400' Fig. 4

NCL



Department of
Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4265 MAP #5
To accompany report by V.Cukor, P.Eng.

L E G E N D

- Marsh or Creek Bed
- Anomalous Copper content in soil (> 100 ppm)
- 157 Copper value in ppm
- \- Sampled 1971
- × Sampled May 1972.

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

BEER GRID
COPPER PLOT

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

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 | Scale: 0 200 400' | Fig. 5

N

Beverly Lake

163
>5% Py Lim

Py

Lim Py

260

350 Py

35

>5% Py

295 Lim Py

62

>5% Py

255

Py

Py

94

10

124 E

350

128 E

52

132 E

600 Py

136 E

27

173

59

9

BASE LINE

100 E

104 E

108 E

112 E

116 E

120 E

5

70°

80°

43

20

7

72

4

7

114

50

4

15

18

4

164

L E G E N D

INTRUSIVES

3 Lamprophyre dyke, frequently includes xenoliths of altered volcanics

2 Syenite

NICOLA GROUP

1 Augite – Andesite, Tuff, weak to moderate propylitic alteration

Outcrop

*73 Rock Sample – ppm Cu

Foliation

Contact – Observed, inferred

Py, Lim Pyrite, Limonite
Traces of chalcopyrite noted

Claim Posts, picket lines

V. Cukor

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

NORTH GRID AREA

GEOLOGY & ROCK GEOCHEMISTRY

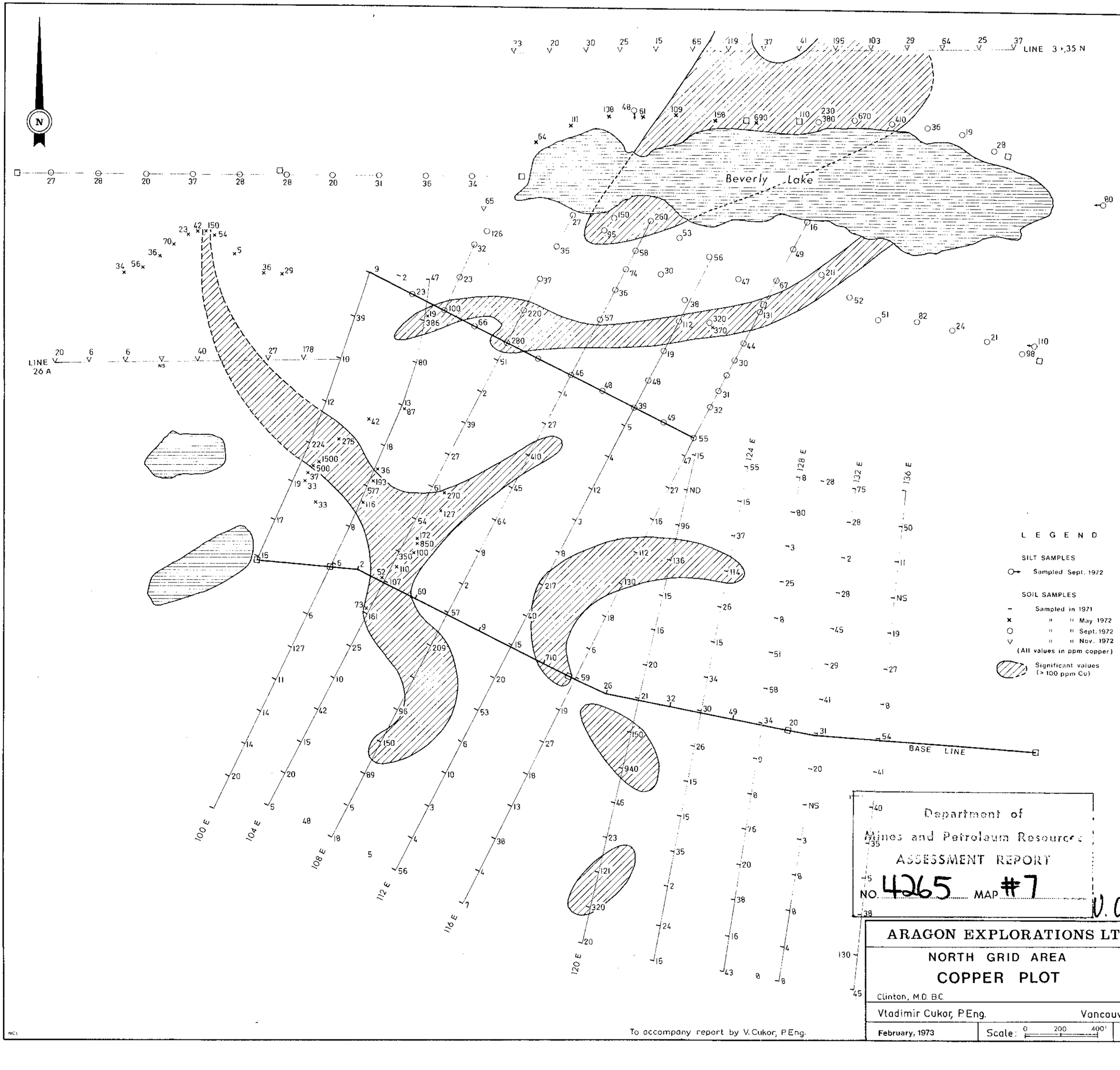
Clinton, M.D. B.C. 92-P

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 | Scale: 0 200 400' | Fig. 6

To accompany report by V. Cukor P.Eng.

NCL



Department of Mines and Petroleum Resources
ASSESSMENT REPORT
NO. 4265 MAP #7

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

NORTH GRID AREA

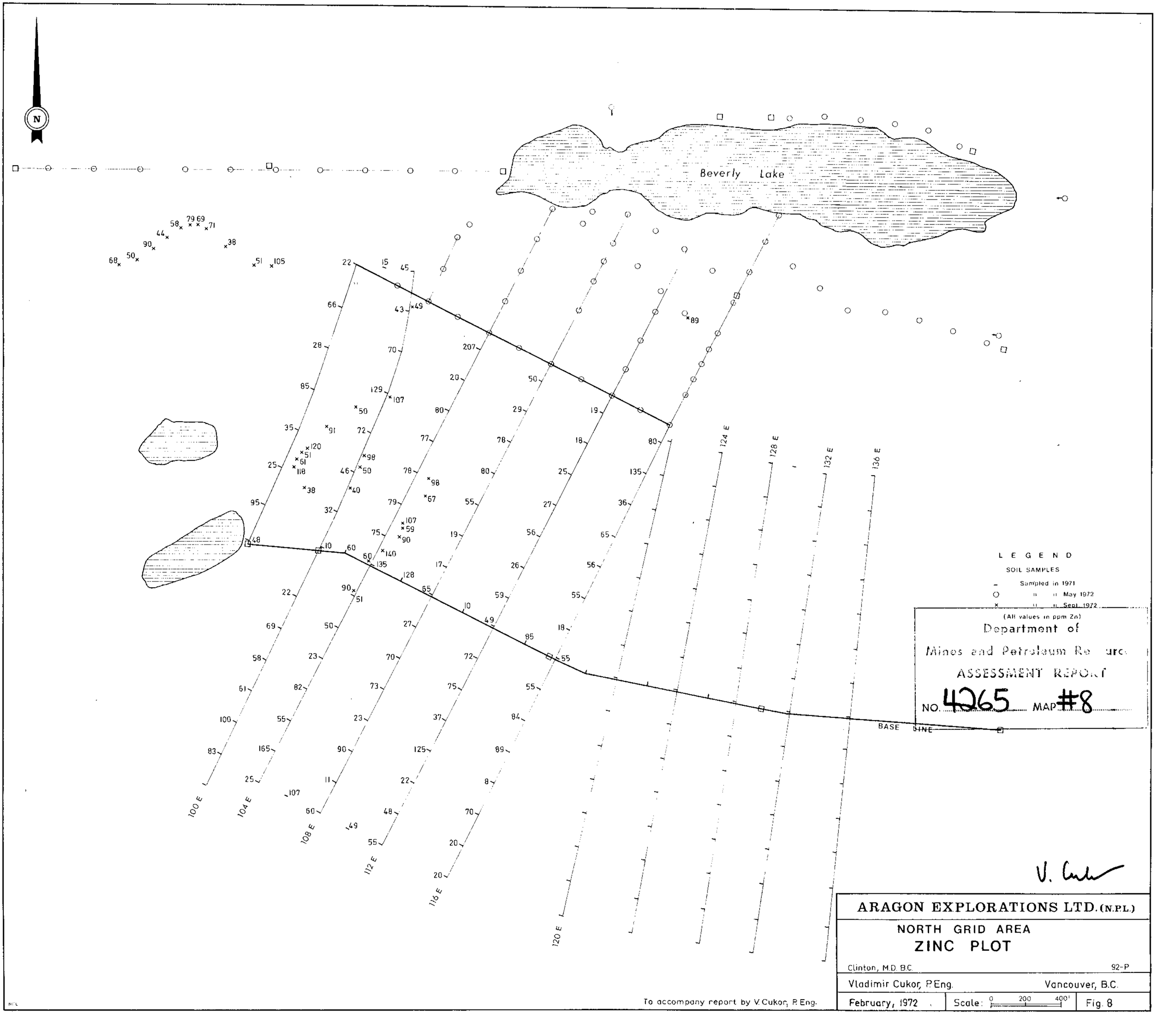
COPPER PLOT

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

Vladimir Cukor, P.Eng. Vancouver, B.C.

February, 1973 Scale: 0 200 400' Fig. 7

To accompany report by V. Cukor, P.Eng.



LEGEND

SOIL SAMPLES

– Sampled in 1971

○ " " May 1972

× " " Sept. 1972

(All values in ppm Zn)

Department of

Mines and Petroleum Resources

ASSESSMENT REPORT

NO. 4265 MAP #8

V. Cukor

ARAGON EXPLORATIONS LTD. (N.P.L.)	
NORTH GRID AREA ZINC PLOT	
Clinton, M.D. B.C.	92-P
Vladimir Cukor, P.Eng.	Vancouver, B.C.
February, 1972	Scale: 0 200 400' — Fig. 8

To accompany report by V. Cukor, P. Eng.