

**GEOCHEMICAL REPORT**

on the

**ANYOL PROPERTY**

**(Including the Co, CD, Sznakine, CuA and Various Mineral Leases)**

situated at Anyol

Observatory Inlet

Skema Mining Division

Latitude 55°30'N; Longitude 129°30'W

N.T.S. 103 P/5

on behalf of

**ARCADIA EXPLORATIONS LTD.**

**Field Work between July 31 and August 20, 1973**

**Report by:**

**D. R. Cochrane, P.Eng.,  
February 26, 1973,  
Delta, B.C.**



**Cochrane Consultants Limited**  
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Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 4247 MAP

PART A:

A-1 INTRODUCTION:

In August, 1972, a field crew under the supervision of George Williamson, conducted rock drilling and blasting, and completed several geochemical traverses on Arcadia Exploration's Anyox Property at Anyox, B.C.

This report describes the geochemical field and analytical procedures and discusses the results of the soil and whole rock analyses.

A-2 SUMMARY AND CONCLUSIONS:

1. Four traverses were run on the Anyox claims and one area was grid sampled at a 100 foot sample spacing. A total of 120 soil samples and 66 rock chip samples were analyzed for their content of Cu, Zn, Pb and Au. Results were obtained in parts per million (p.p.m.) by standard hot acid atomic absorption means.

2. The following table lists the results of the geochemical work (note: AM = arithmetic mean and T = threshold values in p.p.m. except Au\* where values are in p.p.b.; b.l.d. = below detection limit).



TABLE 1 - SUMMARY OF GEOCHEMICAL RESULTS (1972)

	<u>High</u>	<u>Low</u>	<u>AM</u>	<u>T</u>	<u>No. of results above T</u>
Cu Rocks	118	12	39	70	6
Cu Soils	5100	16	132	200	27
Zn Rocks	495	18	90	140	12
Zn Soils	410	11	69	160	7
Pb Rocks	79	4	27	45	5
Pb Soils	130	7	25	40	7
*Au Rocks	30	b.l.d.	b.l.d.	20	5
*Au Soils	35	b.l.d.	b.l.d.	20	7

3. In general, there is good correlation between Cu/Zn, Pb/Zn and Cu/Pb in the whole rock geochemical samples, and an increase in the trace amount of any one metal is often followed by increase in the amount of the other metals.

4. Rock geochemical work conducted in 1969 and 1971 suggested that the amount of Cu and Zn in the greenstone sequence is higher than in the metasedimentary sequence. The 1972 work suggests this is not the case to any definite degree of certainty.


5. All the geochemical work conducted to date shows that:

- (a) rock geochemistry is a useful exploration tool in the Anyox area;
- (b) soil geochemistry is somewhat questionable due to man made contamination in the area (e.g. the Anyox Smelter).



6. Definite background and threshold information is starting to emerge from the results of the 1972, 1971 and 1969 work. However, the bulk of the data to date is from single line, unconnected traverses, and as such is essentially uni-dimensional information. A network of traverses with a view of obtaining a contourable plan is advised.

Respectfully submitted,



A circular professional seal for D. R. Cochrane, a Professional Engineer in the Province of British Columbia. The seal features the text "PROFESSIONAL ENGINEER" around the perimeter, "PROVINCE OF BRITISH COLUMBIA" in the center, and "D. R. COCHRANE" in the middle. A handwritten signature is written across the seal.

D. R. Cochrane, P.Eng.,  
February 26, 1973,  
Delta, B.C.



PART B:

B-1 LOCATION AND ACCESS:

Arcadia's Anyox property is situated in and around the now abandoned town of Anyox, B.C., on Observatory Inlet, some 80 air miles north of Prince Rupert. Normal access is by boat or float equipped charter aircraft north from Prince Rupert. At the old townsite, several roads and trails provide reasonable access to most parts of the claims. The latitude is 55 degrees 30 minutes north, and longitude 129 degrees 45 minutes west. The N.T.S. code for the area is 103 P/5W.

B-2 CLAIMS AND OWNERSHIP:

Arcadia Explorations Ltd. (N.P.L.) registered office 1005 - 789 West Pender Street, Vancouver 1, B.C. holds title to a total of 100 located mineral claims and 21 mineral leases surrounding the Hidden Creek Mine at Anyox, B.C. These claims are situated in the Skeena Mining Division and the names and locations of the various claims and leases is shown in accompanying Figure No. 2 (map pocket).

A list of the various claims and leases and corresponding record numbers is presented in Table II (following).



TABLE II

ARCADIA EXPLORATIONS, ANYOX, B.C.  
LIST OF CLAIMS AND LEASES

<u>NAME OF CLAIM</u>	<u>RECORD NO. or LOT NO.</u>	<u>EXPIRY DATES AS OF MARCH, 1972</u>
George FR	32164	September 11, 1973
Mick FR	32165	September 11, 1973
Black FR	32036	August 4, 1974
Sunshine 1 - 10	31738 - 31747	August 4, 1973
CUA 1, CUA 2	34218, 34219	June 17, 1974
CUA 3 FR, CUA 4 FR	34220, 34221	June 17, 1974
CUA 5 to CUA 10	34222 - 34227	June 17, 1974
CUA FR, CUB FR, CUC FR	34228 - 34230	June 17, 1974
CU 17 to CU 26	30629 - 30638	March 23, 1974
CU 27 FR	30639	March 23, 1974
CU 28 to CU 31	30640 - 30643	March 23, 1974
CU 32	30644	March 23, 1974
CU 33	30645	March 23, 1974
CU 35 FR, CU 36 FR, CU 37 FR	30646 - 30648	March 23, 1974
CU 38 to CU 41	30649 - 30652	March 23, 1974
CU 42 to CU 54	31759 - 31771	July 7, 1973
CU 55	31772	July 7, 1973
CU 56	31773	July 7, 1973
CU 57 - CU 58 FR	31774 - 31775	July 7, 1973
CU 59 to CU 62	31776 - 31779	July 7, 1973
CD 15 to CD 18	28566 - 28569	February 21, 1974
CD 19FR	28570	February 21, 1974
CD 20	28571	February 21, 1974
CD 21 FR	28572	February 21, 1974
CD 22 to CD 29	28573 - 28580	February 21, 1974
CD 30 to CD 32	28581 - 28583	February 21, 1974
CD 33FR to CD 37 FR	28584 - 28588	February 21, 1974
CD 38A to CD 41A	34274 - 34277	June 17, 1974
CD 42 FR - CD 43 FR	34278 - 34279	June 17, 1974

CROWN GRANTED MINERAL LEASES

<u>ML 192</u>		
Lake	1139)	
Iron Cap	1508)	
Monkey FR	1142)	
Darwin FR	1141)	May 30, 1973
Lost Chord	1140)	
Phyliss FR	1510)	
No. 1	1123)	
No. 2	1124)	
No. 2 FR	1133)	



TABLE II (cont.)

ML 192 (cont.)

No. 3	1125)	
No. 4	1126)	
No. 4 FR	1134)	May 30, 1973
No. 5	1127)	

ML 115

Totem	1516)	
Low Pass	1515)	
Lone Wolfe	1527)	May 3, 1973
Independence	1514)	

ML 196

Mallard	2225	May 3, 1973
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ML 129

Sunrise	1530)	
Ruby	1973)	June 11, 1974
Sundog FR	3873)	





B-3 GENERAL SETTING:

Mr. E. W. Grove has mapped the Anyox area, and the following remarks are extracted from his report on "Observatory Inlet", in the B.C. Minister of Mines Annual Report for 1965, page 57.

"Volcanic and sedimentary rocks which underlie most of the Granby Bay area form a large inclusion in the granitic matrix of the Coast Range complex. The surrounding granitic rocks are generally coarse-grained granodiorites which grade variably between hornblende quartz diorite and leucocratic quartz monzonite. The volcanic rocks in the Granby Bay inclusions consists (sic) largely of altered, pillowed, and massive andesites, some banded crystal tuffs, and massive basic sills. The volcanics have been intruded by small gabbroic plugs and various dykes. The overlying sediments include thinly striped argillites, colour-banded dark siltstones, dark sandstones, and minor limestone as lenses."

The sedimentary and volcanic rocks were contemporaneously deformed, along northerly and easterly directed axis. In addition, these rocks are cut by swarms of granitic to gabbroic dikes mainly in northeast and northwest directions. The sediments have been metamorphosed to the amphibolite phase of regional metamorphism, and the volcanics are variously altered. E. W. Grove continues:

"All mineral occurrences occur at or near a volcanic-sedimentary contact and are largely confined to shear zones apparently controlled by hinge (or "nose") structures in the contact zone. Mineralization in these deposits is similar and generally consists of massive, variably banded sulphides, of which pyrite, pyrrhotite, and chalcopyrite are the most common:



The gangue generally includes quartz and calcite, plus epidote and altered wallrocks in various proportions. Very generally, shearing, skarnification, and silicification were followed by sulphide replacement."

The claims are situated in a fairly rugged physiographic region characterized by prominences up to just over 5000 feet with deeply incised valleys such as Bonanza and Tauw Creeks. Topographic lineation is predominantly northerly directed in the north claim sector, and many of these lineations are presumably fault controlled as well as indicating the strike of the sedimentary sequence. Much of the country has been denuded by a forest fire, and bedrock exposure is quite extensive.



PART C:

C-1 ROCK AND SOIL GEOCHEMICAL FIELD PROCEDURES AND  
LABORATORY ANALYSIS:

Rock chips were collected by the field crew in areas of widespread bedrock exposure by chipping several small pieces of fresh rock into an appropriately numbered sample bag. Often chips were collected within a 15 foot diameter area, and caution was taken to collect unleached and unweathered specimens.

In the laboratory of Vancouver Geochemical Labs, the rock samples were crushed and sieved to -80 mesh and then digested in hot acid and analyzed by a standard atomic absorption method.

Soil samples were collected by excavating a small hole with a spade or pick down to the reddish or B sample horizon and then a sample of soil sufficient to almost fill a standard wet-proof Kraft paper soil bag was collected. Soil samples were placed in cardboard boxes to dry and analyzed by Vancouver Geochem by a hot acid extraction A.A. procedure.



C-2 DATA PROCESSING:

Processing of the rock and soil geochemical results was done in the office of Cochrane Consultants utilizing a Diehl Combitronic preprogrammed electronic calculator. Automatic programs for arithmetic mean, standard deviation and coefficient of correlation are an integral part of this particular calculator. The frequency histograms were prepared by hand.

Thresholds were selected by using a combination of means and standard deviations with reference to the frequency histograms.



PART D: DISCUSSION OF RESULTS

D-1 ALPHABET TRAVERSE:

The "Alphabet" traverse runs northerly from near the center of the CD 34 fraction into the CD 33 fraction and a total of 3 rock chip and 17 soil samples were collected at 100 foot intervals. The traverse commenced in argillite rocks and then crossed the contact into pillowed and fragmented intermediate volcanics.

Tables 3, 4, 5 and 6 show the statistical and pertinent information from this traverse for copper, zinc, lead and gold results respectively. A summary is presented below

(where No. = number; T = threshold; Anom. = anomalous)

	No.	Cu T	No.	Anom.	Zn T	No.	Anom.	Pb T	No.	Anom.	Au T	No.	Anom.
A.Rocks	3	70	0		140	0		45	0		>20	0	
B.Soils	17	200	7		160	2		40	3		>20	2	

Anomalous values on the geochem profile (Figure 3) are shown by an arrow. (↯) In general, high metal values occur at stations A, B and C, stations F and G and stations M and N.

D-2 "A" TRAVERSE:

The "A" traverse runs northerly from a point approximately 300 feet due east of the start of the Alphabet traverse, and proceeds northerly parallel to the Alphabet to the center of the Cu 27



fraction. This traverse crosses the argillite/greenstone contact and contains 17 rock samples and 34 soil samples collected at 100 foot intervals. Tables 3, 4, 5 and 6 show the statistical information on this traverse, and a summary is presented below.

(Note: No. = number; T = threshold and Anom. = anomalous)

	<u>No.</u>	<u>Cu T</u>	<u>No. Anom.</u>	<u>Zn T</u>	<u>No. Anom.</u>	<u>Pb T</u>	<u>No. Anom.</u>	<u>Au T</u>	<u>No. Anom.</u>
A.Rocks	17	70	2	140	3	45	2	>20	3
B.Soils	34	200	8	160	3	40	1	>20	1

The various anomalous results are shown in Figure 4 (A. Traverse profile) by a symbol (⬇). In particular, the start of the traverse is quite anomalous with respect to copper zinc and lead, and the rock samples at stations 125 and 149 are anomalous with respect to Cu, Pb and Zn; and Zn, Pb and Au respectively.

D-3 "B" TRAVERSE:

The "B" traverse runs due north from near the center of the Cu 26 claim to the center of the Cu 25 claim (see Figure 2). This traverse consisted of 7 rock and 13 soil samples and a summary of the results is shown in Tables 3, 4, 5 and 6 (for Cu, Zn, Pb and Au respectively). The traverse was run entirely within the greenstone sequence. A summary of the results is presented below:



	<u>No.</u>	<u>Cu T</u>	<u>No. Anom.</u>	<u>Zn T</u>	<u>No. Anom.</u>	<u>Pb T</u>	<u>No. Anom.</u>	<u>Au T</u>	<u>No. Anom.</u>
A.Rocks	7	70	0	140	0	45	0	20	0
B.Soils	13	200	3	160	0	40	2	20	2

Station 7 on Traverse "B" (a soil sample) is anomalous with respect to copper, lead and gold and the other anomalies are shown on the profile (Figure 5) by the symbol. (↓)



D-4 GRID:

A small grid sample survey was completed on mineral lease 115 and the geochemical plans are shown in Figure 6. The plan shows a fairly large area on line 3 and 4 which is anomalous with respect to the copper content of the soils, and a smaller, but coincident area of high zinc in soils. Additional traverses "uphill" from line 4 would certainly be advisable.

D-5 SUNDOG-RUBY TRAVERSE:

The Sundog-Ruby geochemical traverse was conducted across Mineral Lease 129G and north-northwesterly onto the Red Light Fraction (see Figure 2 for traverse position). A total of 35 rock sample stations were involved at a 100 foot separation between stations. The underlying bedrock is argillite. The statistical information on this traverse is, once again, presented in Tables 3 to 6 inclusive.

A summary follows:

Copper (p.p.m.)			Zinc (p.p.m.)			Lead (p.p.m.)			Gold (p.p.b.)	
<u>A.M.</u>	<u>T</u>	<u>No.Anom.</u>	<u>A.M.</u>	<u>T</u>	<u>No.Anom.</u>	<u>A.M.</u>	<u>T</u>	<u>No.Anom.</u>	<u>T</u>	<u>No. Anom.</u>
41	70	3	95	140	8	27	45	3	20	2

where A.M. = arithmetic mean      T = threshold  
No. Anom. = number anomalous





- Table 3 -

Geochem. Statistics      COPPER (parts per million)

1972 WORK

Traverse	No. Rk samp	No. Soil s.	AM Rk.	SD Rk.	Hi Rk.	Lo Rk.	AM soil	SD soil	Hi soil	Lo soil
Alphabet	3	16 (-4)*	35	18	55	22	162*	122*	5100	32
A	17	34	36	23	95	12	155	166	685	16
B	7	13	31	9	42	18	156	219	830	16
"GRID"	4	57	50	37	87	17	108	101	525	11
Sundog - Ruby	35	0	41	23	118	17	-	-	-	-
total 1972	66	120	39	-	-	-	132	-	-	-

\*NOTE: Values of 5100, 730, 850 and 1430 ppm deleted calculations

Previous Work

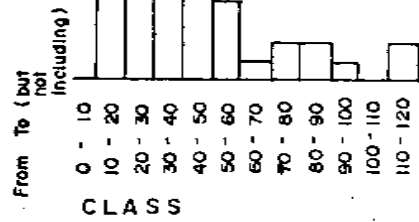
1971 total	31	0	27	-	84	12	-	-	-	-
1970 total	176	8	64	-	120,000	9	152	-	-	-

Grand Total	273	128	54	-	120,000	9	41	-	-	-
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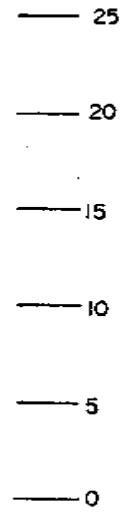
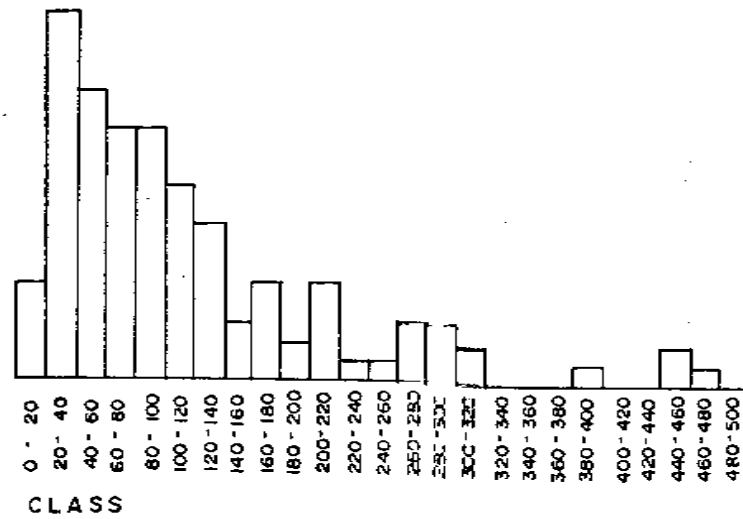
Table 3a

FREQUENCY HISTOGRAMS COPPER

Rocks



Soils



- Table 4 -

Geochem. Statistics  
1972 WORK

Z I N C ( parts per million )

Traverse	No Rk.samp	No Soil s.	AM Rk.	SD Rk.	Hi Rk.	Lo Rk.	AM soil	SDsoil	Hi soil	Lo soil
Alphabet	3	16	54	29	75	21	98	96	410	28
A	17	34	86	59	271	36	78	53	255	21
B	7	13	59	32	103	28	41	22	100	12
"GRID"	4	57	141	184	415	35	62	55	322	11
Sundog - Rugby	35	0	95	97	495	18	-	-	-	-
total 1972	66	120	90	-	-	-	69	-	-	-

Previous Work

1971 total	23	0	70	-	132	32	-	-	-	-
1970 total	176	0	120	-	120,000	9	-	-	-	-

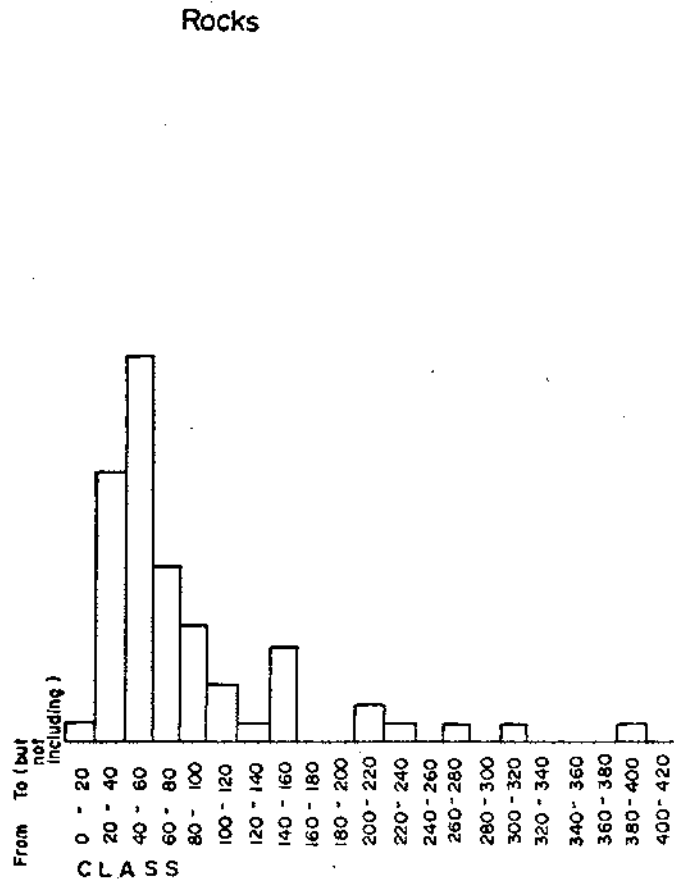
Grand Total	265	120	108	-	-	-	69	-	-	-
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- Table 4a -

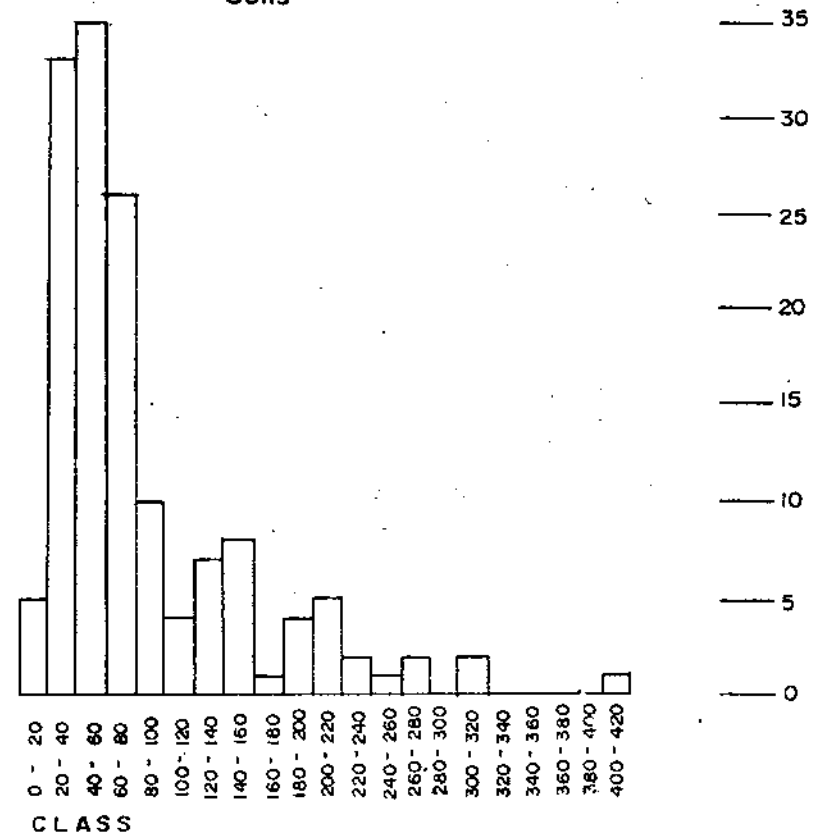
FREQUENCY HISTOGRAMS

ZINC

Rocks



Soils



- Table 5 -

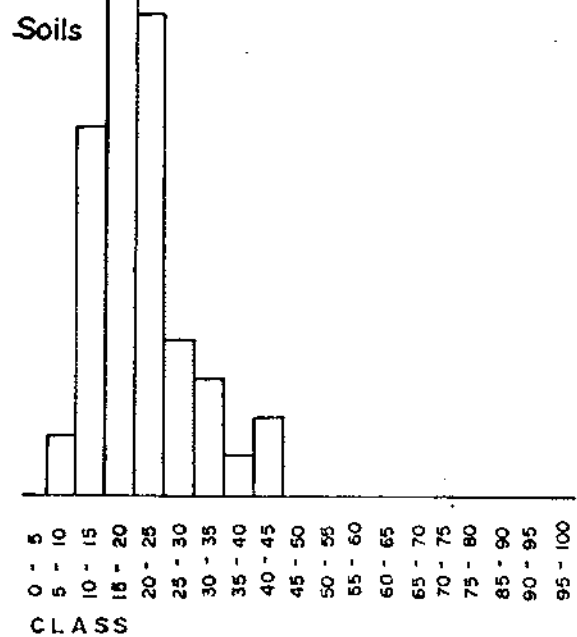
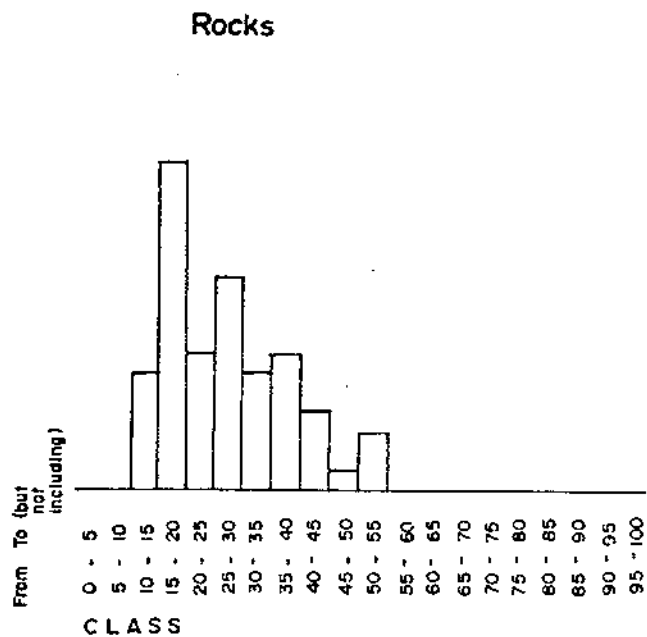
Geochem. Statistics  
1972 WORK

LEAD

Traverse	No. Rk. samp	No. Soil s.	AM Rk.	SD Rk.	Hi Rk.	Lo Rk.	AM soil	SD soil	Hi soil	Lo soil
Alphabet	3	16	23	8	30	15	36	35	130	7
A	17	34	32	10	51	15	25	22	44	8
B	7	13	22	5	30	16	25	21	92	14
"GRID"	4	57	15	4	18	9	22	16	40	10
Sundog - Ruby	35	0	27	14	79	10	-	-	-	-
Totals	66	120	27	-	79	9	25	-	130	7

FREQUENCY HISTOGRAMS

LEAD



— 35  
— 30  
— 25  
— 20  
— 15  
— 10  
— 5  
— 0

- Table 6 -

Geochem. Statistics

G O L D ( parts per billion )

Traverse	No Rk. samp	No Soils	Hi Rk.	Lo Rk.	Hi Soils	Lo Soils
Alphabet	3	16	n.d.	n.d.	30	n.d.
A	17	34	30	n.d.	25	n.d.
B	7	13	n.d.	n.d.	25	n.d.
"G"	4	57	15	n.d.	35	n.d.
Sundog - Ruby	35	0	30	n.d.	-	-

NOTE : "nd" = not detected ( limit of detection : 10 ppb )

A total of 8 rock sample sites are anomalous with respect to zinc and station B-170 contains the peak rock zinc high of 495 p.p.m. (see Figure 7). The 1969 rock geochemical work showed the presence of a weak but discernible zinc "halo" around the Hidden Creek Mine, and the results on this traverse are considered quite significant. Additional traverses in this general area must be considered a useful exploration project.

D-6 CORRELATION WITH PREVIOUS WORK:

The rock geochemical work conducted in 1969 and in 1971 is presented in tabular form in Tables 3 and 4. The 1972 work shows excellent agreement with the earlier work and overall background and threshold levels are beginning to emerge.

The 1969 work suggested:

- (a) an increase in the amount of zinc in rocks close to the Hidden Creek Mine, and close to the argillite/greenstone contact,
- and (b) the content of copper and zinc in rock samples is higher in the greenstone sequence relative to the metasedimentary sequence.

This recent work indicates that (a) above is seemingly true, however the final totals on the argillite vs. greenstone Cu and Zn content is questionable (see Table 7 below).



- TABLE 7 -

CORRELATION CHARTS  
Rock Geochemistry

Alphabet N = 3

	Cu	Zn	Pb
Cu		-1.00	-0.95
Zn	-1.00		+0.95
Pb	-0.95	+0.95	

B Ito20 N = 7

	Cu	Zn	Pb
Cu		0.47	0.27
Zn	0.47		0.92
Pb	0.27	0.92	

A 100 to 152 N = 17

	Cu	Zn	Pb
Cu		0.04	0.23
Zn	0.04		0.73
Pb	0.23	0.73	

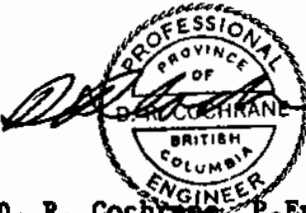
Grid N = 4

	Cu	Zn	Pb
Cu		0.62	0.36
Zn	0.62		0.58
Pb	0.36	0.58	

Sunshine-Ruby N = 35

	Cu	Zn	Pb
Cu		0.47	0.2941
Zn	0.47		0.05
Pb	0.2941	0.05	

Respectfully submitted,

  
D. R. Cochran, P.Eng.

February 26, 1973,  
Delta, B.C.





TABLE 8

Argillite vs. Greenstone - 1972 work

A. Traverse - Sundog-Ruby (argillites, 35 samples)

<u>Cu A.M.</u>	<u>Hi</u>	<u>Lo</u>	<u>Zn A.M.</u>	<u>Hi</u>	<u>Lo</u>
41	118	17	95	495	18

B. Traverse - Grid and "B" (greenstone, 11 samples)

<u>Cu A.M.</u>	<u>Hi</u>	<u>Lo</u>	<u>Zn A.M.</u>	<u>Hi</u>	<u>Lo</u>
38	87	17	89	415	28

The results are so close to being statistically equal that no difference in the Cu and Zn content of the argillite and greenstones can be assumed.

A correlation table between the various elements in the rock samples was prepared, and is presented below as Table 8. It demonstrates that, in general, as the content of one element increases in a rock, the content of the other tabulated elements increases as well.

(Note: the coefficient of correlation may be described as follows:)

1. a +1.0 coefficient means perfect positive correlation (i.e. one variable increases in proportion to another variables increase)
2. a 0.0 coefficient means no correlation whatsoever (random data)
3. a -1.0 coefficient means perfect inverse correlation.



APPENDIX I

Survey Details

PROJECT Anyox LOCATION OBServatory Inlet, B.C.

SPONSOR Arcadia Exploration

MINING DIVISION Skeena

SURVEY Geochemical rock and soil survey

SURVEY PERSONNEL

George F. Williamson (51) Prospector  
James T. Williamson (49) Prospector  
George Blore (52) Prospector  
Adrian van Alphen (65) Prospector

SURVEY MAN DAYS 10 - From August 5 to August 15

NO. ROCK SAMPLES 66

NO. SOIL SAMPLES 120

MOBILIZATION/DEMOBILIZATION/STANDBY MAN DAYS 12

DATA PROCESSING AND REPORT PREPARATION

D. R. Cochrane, P.Eng.  
February 20, 22 and 24, 26, 1973

DRAFTING

J. C. Rossier  
February 16, 19, 20, 21, 22, 23, 26, 27, 28,  
1973



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D. R. Cochrane, P.Eng.

APPENDIX II

Certificates

NAME: COCHRANE, Donald Robert  
EDUCATION: B.A.Sc. - U. of T., M.Sc. (Eng.) - Queen's University  
PROFESSIONAL: Professional Engineer of B.C., Ontario, and Saskatchewan.  
ASSOCIATIONS: Member of C.I.M.M., G.A.C., M.A.C., - Geological  
Engineer  
EXPERIENCE: Engaged in the profession since 1969 while employed with  
Noranda Exploration Co. Ltd., Quebec Cartier Mines Ltd.,  
and Meridian Exploration Syndicate.

NAME: ROSSIER, Jean-Claude  
AGE: 27  
EDUCATION: Secondary and Vocational School - Architectural Drafting  
Courses  
EXPERIENCE: Since 1965 - General Drafting Experience  
Geophysical Drafting, Seigel Associates - 1969 - 1972

NAM: GALLARDI, M.  
AGE: 22  
EDUCATION: Grade III Certificate, General Program, Ontario  
EXPERIENCE: Secretary

NAME: WILLIAMSON, J. T.  
AGE: 49  
EXPERIENCE: Engaged in Mining and Prospecting for over 20 years -  
Prospector

NAME: WILLIAMSON, G.  
AGE: 51  
Pilot/Prospector

NAME: BLORE, G.  
AGE: 52  
Director of Arcadia Explorations, Prospector

NAME: Van ALPHEN, Adrian  
AGE: 65  
Engaged in Mining and Prospecting all his life

APPENDIX II

Certificates

I, D. R. Cochrane, of the Municipality of Delta,  
Province of British Columbia, hereby certify that:

1. I am a geological engineer with an office at 4882 Delta Street, Delta, B.C.
2. I am a graduate of the University of Toronto (B.A.Sc.) in 1962, and a graduate of Queen's University (M.Sc. Eng.) in 1964.
3. I have practiced my profession since 1962 while employed with U.S. Steel, Noranda Explorations and Meridian Syndicate.
4. I am a member of the Association of Professional Engineers of British Columbia and also the Association of Professional Engineers of Ontario and Saskatchewan.
5. I have no interest, direct or indirect, in the property or securities of Arcadia Explorations Ltd., nor do I expect to receive any such interest.
6. The foregoing report is based on information obtained from George Williamson and a review of available data on the claims and the region in general, and personal knowledge of the area.
7. This report or any portion thereof may be used in any official or unofficial communication Arcadia may have.



D. R. Cochrane, P.Eng.

4882 Delta Street,  
Delta, B.C.,  
February 26, 1973.



APPENDIX III

Cost Breakdown

(Geochemical Work)

**A. FIELD WORK**

- 1. 10 man days @ \$50/man/day \$ 500.00
- 2. Board Loss, 10 man days @ \$10/man/day 100.00
- 3. Mobilization, Demobilization  
Communications 400.00

**B. ANALYSES**

- 4. 186 samples, 4 metals each 1061.20

**C. DATA PROCESSING, INTERPRETATION**

- 5. Invoice dated March 2, 1973  
Cochrane Consultants Ltd. 972.50

**TOTAL 3,033.70**

Declared before me at the *City*  
 of *Vancouver*, in the  
 Province of British Columbia, this *20th*  
 day of *March*, 1973, A.D.



*J. Williams* **Sub-mining Recorder**

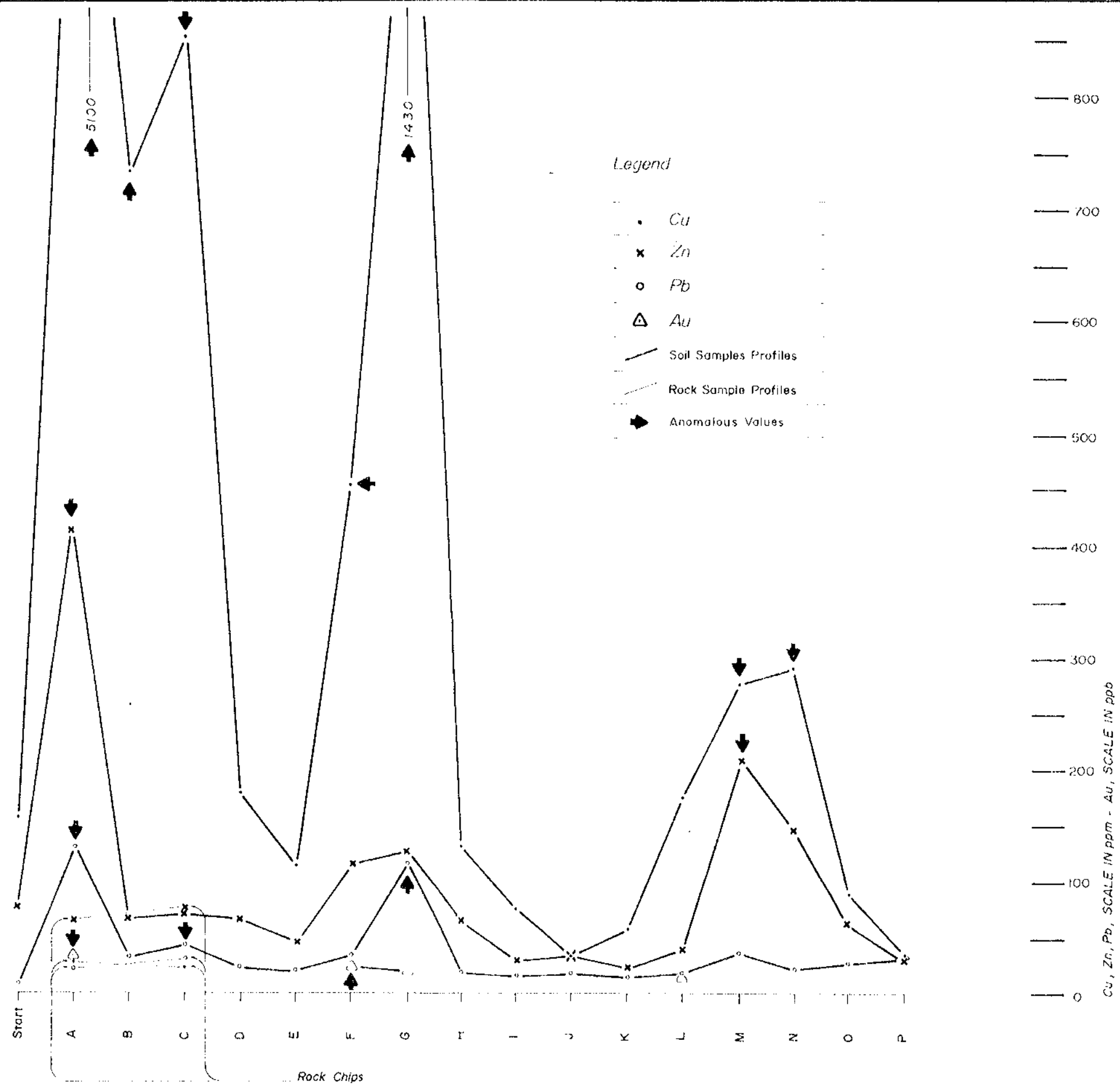
A Commissioner for taking Affidavits within British Columbia or  
 A Notary Public in and for the Province of British Columbia.

APPENDIX IV

Bibliography

- (1) COCHRANE, D.R. (1970) Geochemical and Geophysical Report on the Anyox Property, B.C. Department of Mines Assessment Report No. 2324
- (2) COCHRANE, D.R. and SCOTT, A. (1971) Geophysical and Geochemical Report on the Knob Hill and Sunshine Claim Groups, Anyox, B.C.  
B. C. Department of Mines Assessment Report





Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4247 MAP #2

**Arcadia Explorations Ltd. (n.p.l.)**  
 Anyox Project - Skeena Mining Division B.C.

**Geochemical Survey**  
**Alphabet Traverse**

SCALE HORIZONTAL : 1 inch = 200 feet  
 VERTICAL : 1 inch = 100 ppm / ppb



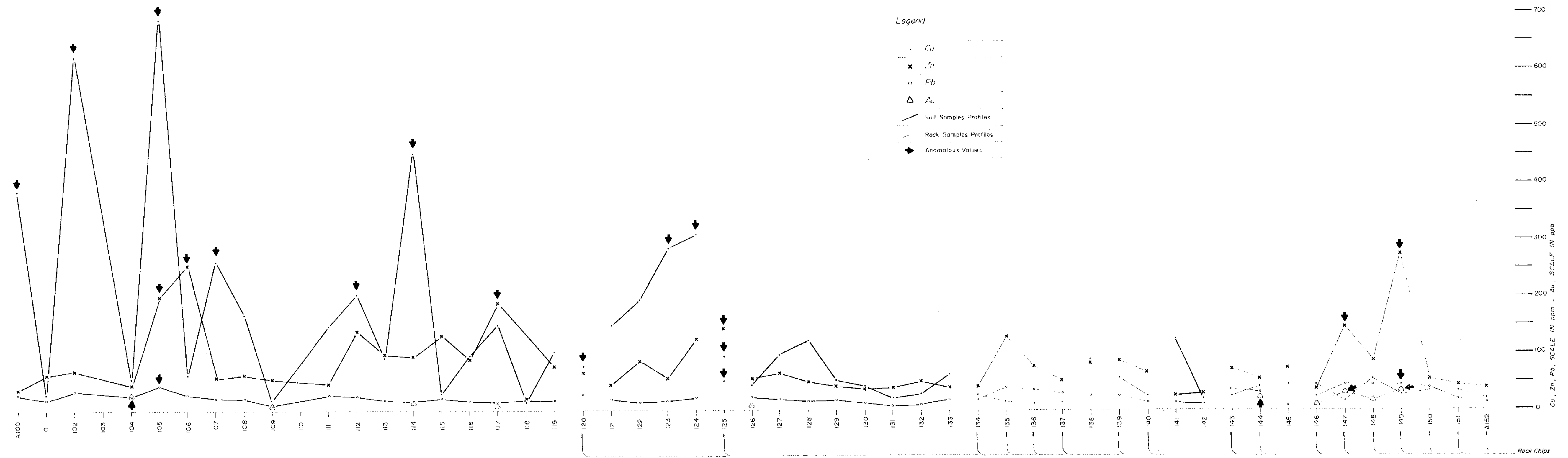
Cochrane Consultants Limited  
 4402 Delta Street Delta B.C.

To accompany a report  
 by D. R. COCHRANE, P. Eng.  
 dated February 26, 1973

*D. R. Cochrane*

figure 3





Department of  
Mines and Geotechnical Resources  
ASSESSMENT REPORT  
NO. 4247 REP. #3

Arcadia Explorations Ltd. (n.p.l.)  
Anyox Project - Skeena Mining Division B.C.

Geochemical Survey  
"A" Traverse

SCALE HORIZONTAL 1 inch = 200 feet  
VERTICAL 1 inch = 100 ppm/ppb

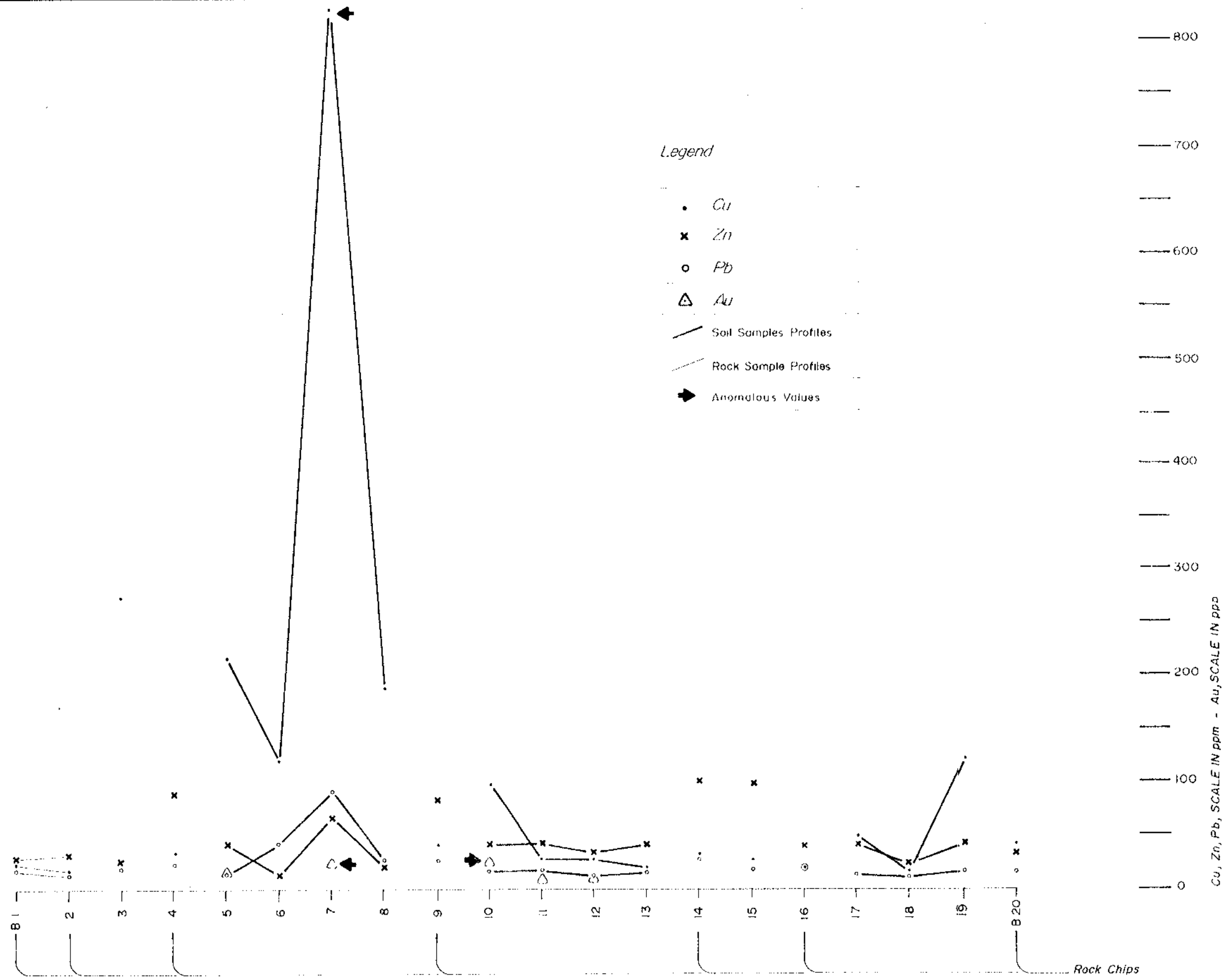


Cochrane Consultants Limited  
4937 Delta Street Delta B.C.

To accompany a report  
by D.R. COCHRANE, P. Eng.  
dated February 26, 1973

*[Handwritten signature]*

figure 4



Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4247 MAP # 4

**Arcadia Explorations Ltd. (n.p.l.)**  
 Anyox Project - Skeena Mining Division B.C.

Geochemical Survey  
**"B" Traverse**

SCALE HORIZONTAL - 1 inch = 200 feet  
 VERTICAL - 1 inch = 100 ppm/ppb

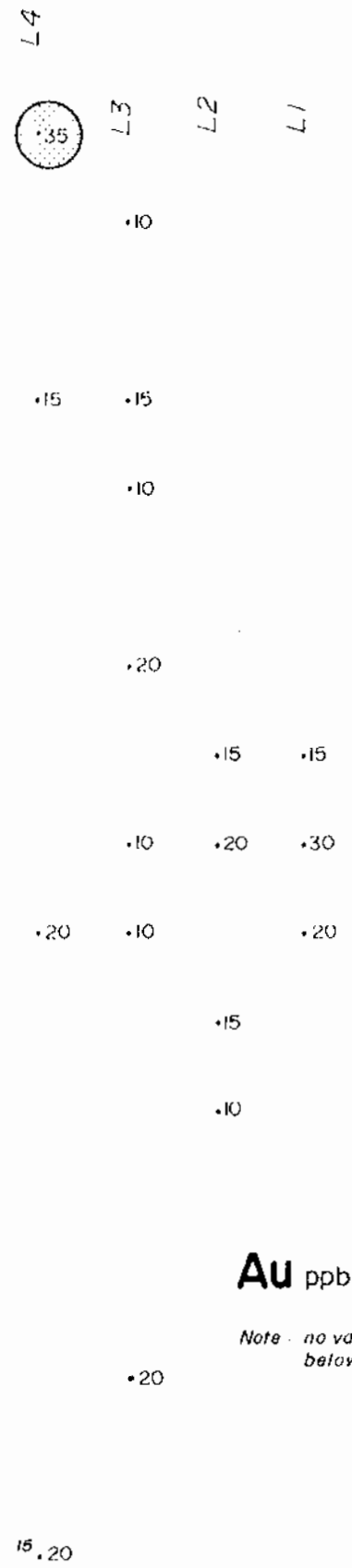
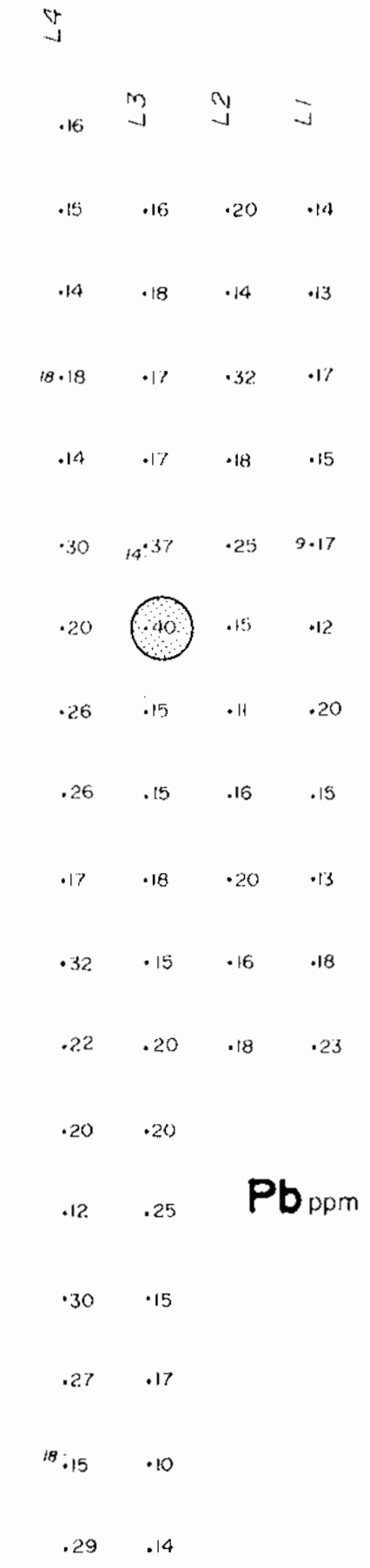
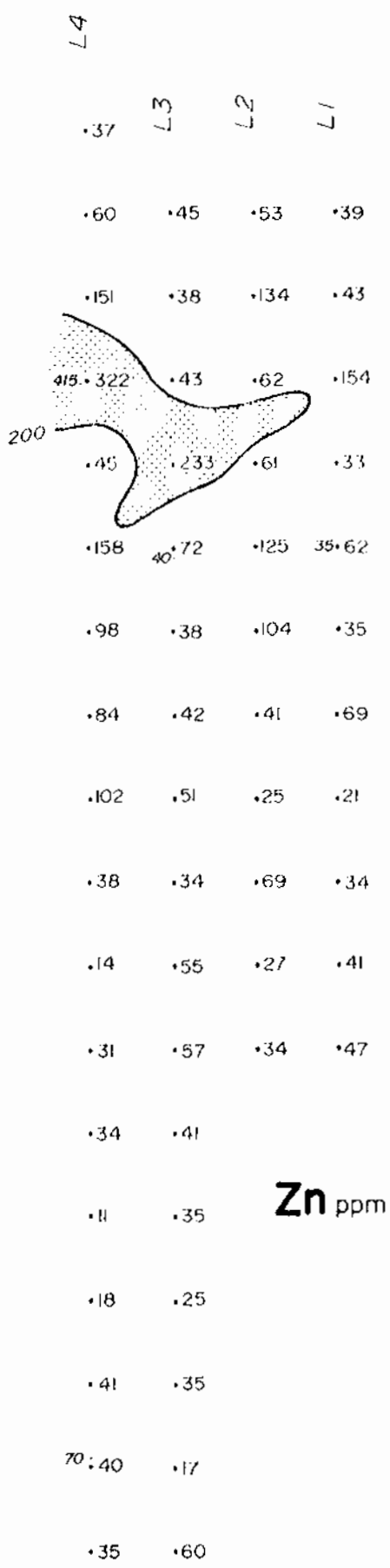
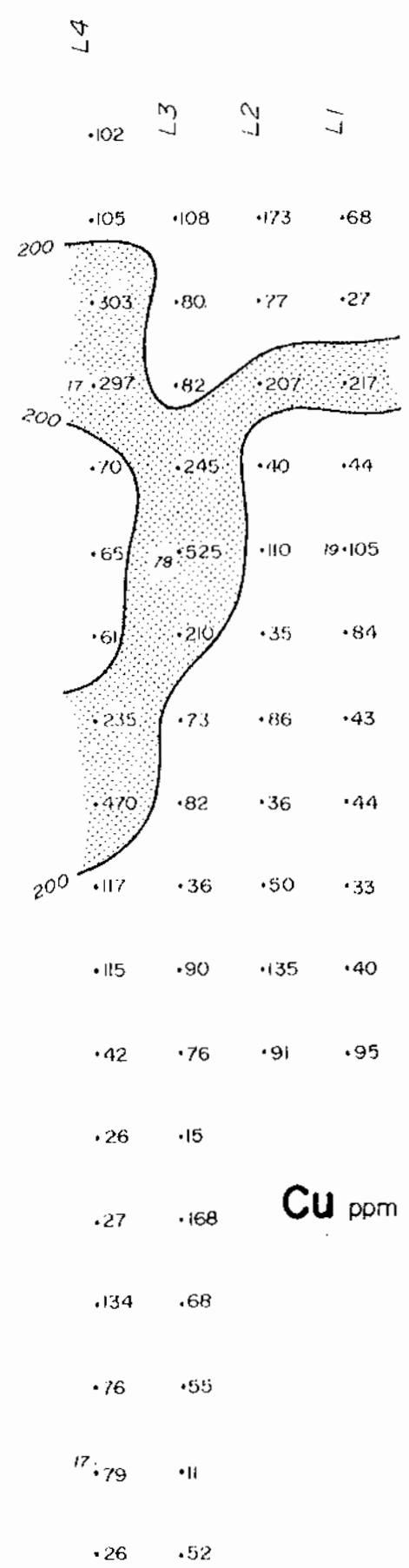


To accompany a report  
 by D. R. COCHRANE, P. Eng.  
 dated February 26, 1973

Cochrane Consultants Limited  
 4983 Delta Street Delta B.C.

*[Handwritten signature]*

figure 5



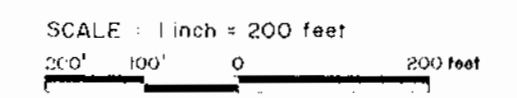
LEGEND

- 64 Results from Soil Samples
- 78 Results from Rock Samples

Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. 4247 MAP # 5

Arcadia Explorations Ltd. (n.p.l.)  
 Anyox Project - Skeena Mining Division B.C.

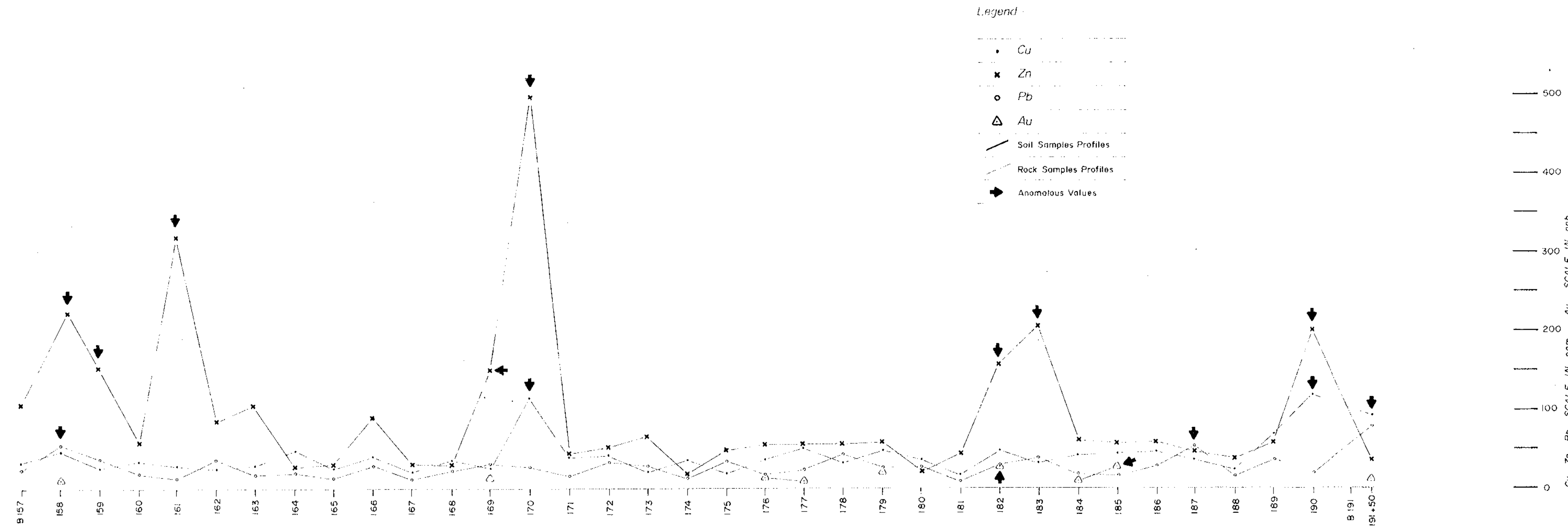
Geochemical Survey  
 Grid Area Geochemical Plans



To accompany a report  
 by D. R. COCHRANE, P. Eng.  
 dated February 26, 1973  
 Cochrane Consultants Limited  
 4887 Delta Street Delta B.C.

figure 6

Note: no values indicates below limit of detection



Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT  
NO. 4247 MAP #6

Arcadia Explorations Ltd. (n.p.l.)  
Anyox Project - Skeena Mining Division B.C.

Geochemical Survey  
Sundog - Ruby Traverse

SCALE HORIZONTAL : 1 inch = 200 feet  
VERTICAL : 1 inch = 100 ppm/ppb

To accompany a report  
by D. R. COCHRANE, P. Eng.  
dated February 26, 1973

Gochrane Consultants Limited  
1442 Dufferin Street  
Delta B.C.

figure 7