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SCAMANDER MINING CORPORATION N.L.

ORIENTATION GEOCHEMICAL SURVEY
E.L. 14/70 BEULAH, TASMANIA

7TH SEPTEMBER, 1970

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APPENDIX:

1 Sample Locations

2 Stream Sample Data Sheets

3 Graphs 1-19

4 Assay Reports - AMDEL 3 parts

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968003

HALL, RELPH & ASSOCIATES PTY. LTD.
GEOLOGICAL & EXPLORATION CONSULTANTS

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7th September, 1970.

SCAMANDER MINING CORPORATION N.L.

ORIENTATION GEOCHEMICAL SURVEY
E.L. 14/70 BEULAH, TASMANIA

1. GENERAL

A short programme of stream sampling was carried out in June 1970 to determine the applicability of the method in the evaluation of a 90 square mile Exploration Licence (E.L.) at Beulah.

2. SAMPLING

Two types of sampling were employed:-

(1) Sampling at approximately 500 feet intervals along a stream system below a prospect with known baryte, lead, zinc and silver mineralization.

(2) Sampling at random spacings along a number of larger streams draining the terrain of Cambrian rocks that crop out over most of the southern portion of the E.L.

3. ASSAY AND SIZE FRACTIONS

The samples were screened into three fractions:-

Fraction	A	-20	+85	BSS
	B	-85	+120	BSS
	C	-120		BSS

and the following elements determined.

AAS

Copper, lead, zinc, iron and cadmium.

Emission Spectrography

Tin, bismuth, silver, gold and barium.

The AMDEL reports are appended.

4. RECORDING

A total of 32 samples were collected; the sample numbers being BM7 - BM38. Sample locations are plotted at a scale of 1 inch = 40 chains as Figures 1 and 2 and are appended. Sample and stream characteristics are recorded on stream sample data sheets (appended herewith).

5. INTERPRETATION

(1) Sampling below the known mineralization source

Copper, lead, zinc and iron have the highest absolute values and the best contrast over background in the C fraction. Below the mineralised source samples BM21 and BM22 showed slightly higher absolute values and better contrast over background for barium in the A fraction. This is probably partly due to the coarsely crystalline baryte and its minimal distance of transportation.

The relatively low mobility of barium and lead gives anomalous values immediately below the prospect, however these values rapidly decrease to background further downstream. Zinc having a higher mobility gives a high value about 2,500 feet below the lead/barium high. Reflecting a still higher mobility, copper gives a high further downstream.

(2) Sampling at random spacings in the Beulah area. (See Figures 1 and 2)

Samples BM29, 30, 31 and 35 indicate apparently anomalous lead, zinc values. Examination of the appended

frequency diagrams (see graphs 6-19) which have been plotted for each fraction of the elements copper, lead, zinc, barium and iron indicates that the C fraction is the most suitable. This fraction gives higher absolute values a higher mean and the best contrast (spread) for each of the above elements. Time, and the lack of the required number of samples suitable for statistical analysis restricts further interpretation of the assays at this stage. Parts of Zn : Pb and Fe : Cu, Pb, Zn may indicate whether mobility is restricted by the presence of iron oxides. Information on PH and eH conditions in the streams in this area would also be useful.

Assaying for silver, gold, cadmium, tin and bismuth did not reveal any values of interest at the available detection limits.

6. CONCLUSION

Results of the orientation stream sampling survey indicate that this method is suitable for a reconnaissance evaluation of the E.L. High and low level aeromagnetic surveys and a regional gravity survey have been carried out over the E.L. Geological maps and air photos are also available. With this information a thorough stream sampling programme and careful interpretation of the results should give a definite indication of the economic mineral potential of the area. Some rockchip sampling should also be carried out.

Other work on the E.L. should follow the recommendations outlined in the report dated 8th June 1970.

The orientation survey indicates that the most suitable elements for geochemical analysis are copper, lead, zinc and barium and the most suitable mesh size for sieving samples is -120 mesh. Further analyses for cadmium, silver, gold and bismuth may be necessary. Assays for molybdenum arsenic, nickel and cobalt may also be required.

7. RECOMMENDATION

It is considered that a stream sampling geochemical survey with suitable interpretation of the results is the most effective method for evaluating this area on a reconnaissance basis. Such a programme would be best carried out during the spring when weather is fine and stream flooding less frequent.

HALL, RELPH & ASSOCIATES PTY. LTD.

B. L. Ford, D. Sc.

PFK/lz

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Fig. 1

Appendix I

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SALAMANDER MINING CORPORATION N.L.

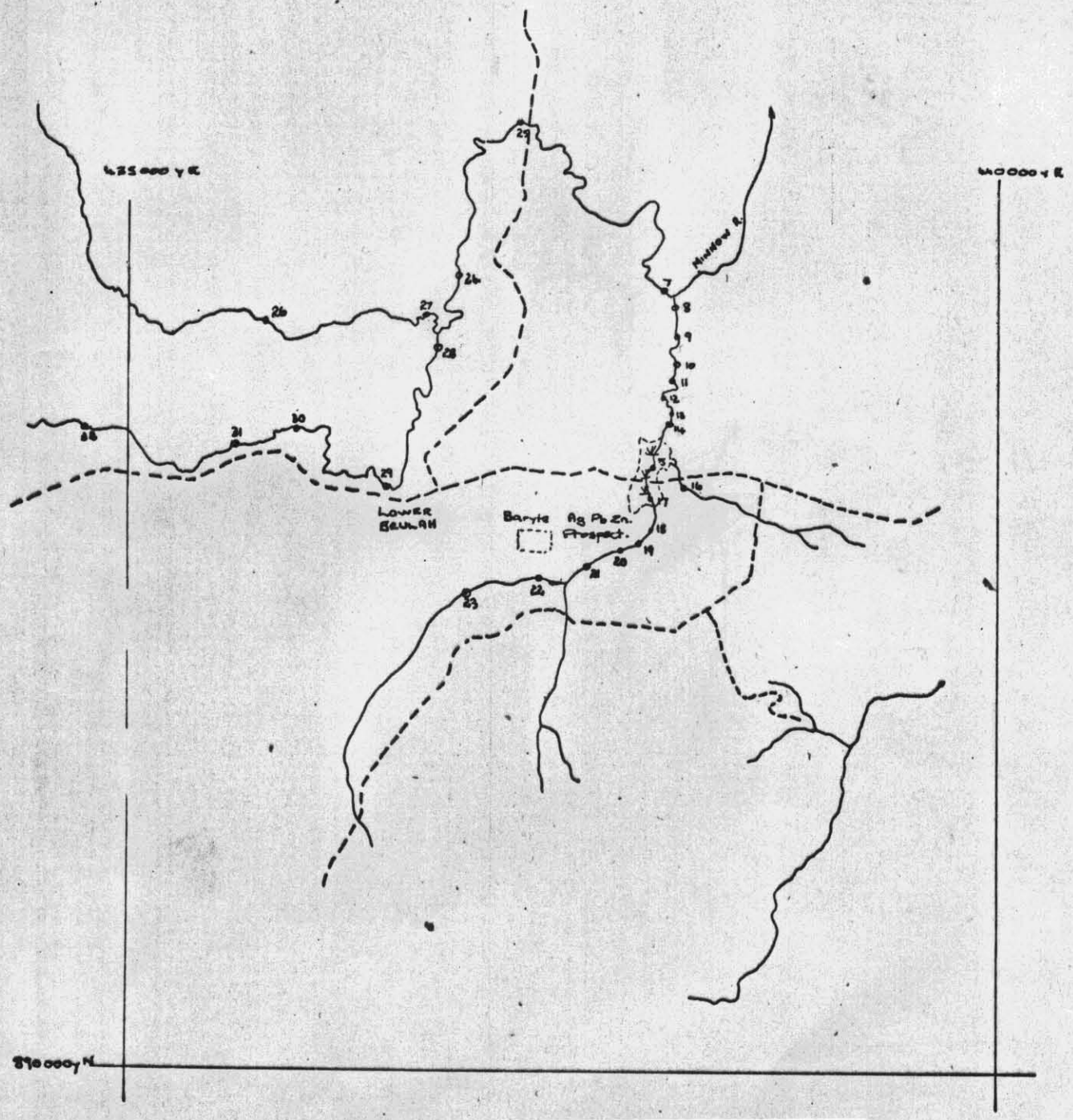
E.L. 14/70.

Sample Locations. Orientation

Stream Survey. Beulah area.

BASE MAP SHEFFIELD ZONE 7 No. 370

SCALE 1" = 40 chains.



RK.

007

SCAMANDER MINING CORPORATION N.L. M762.

E.L. 14 170

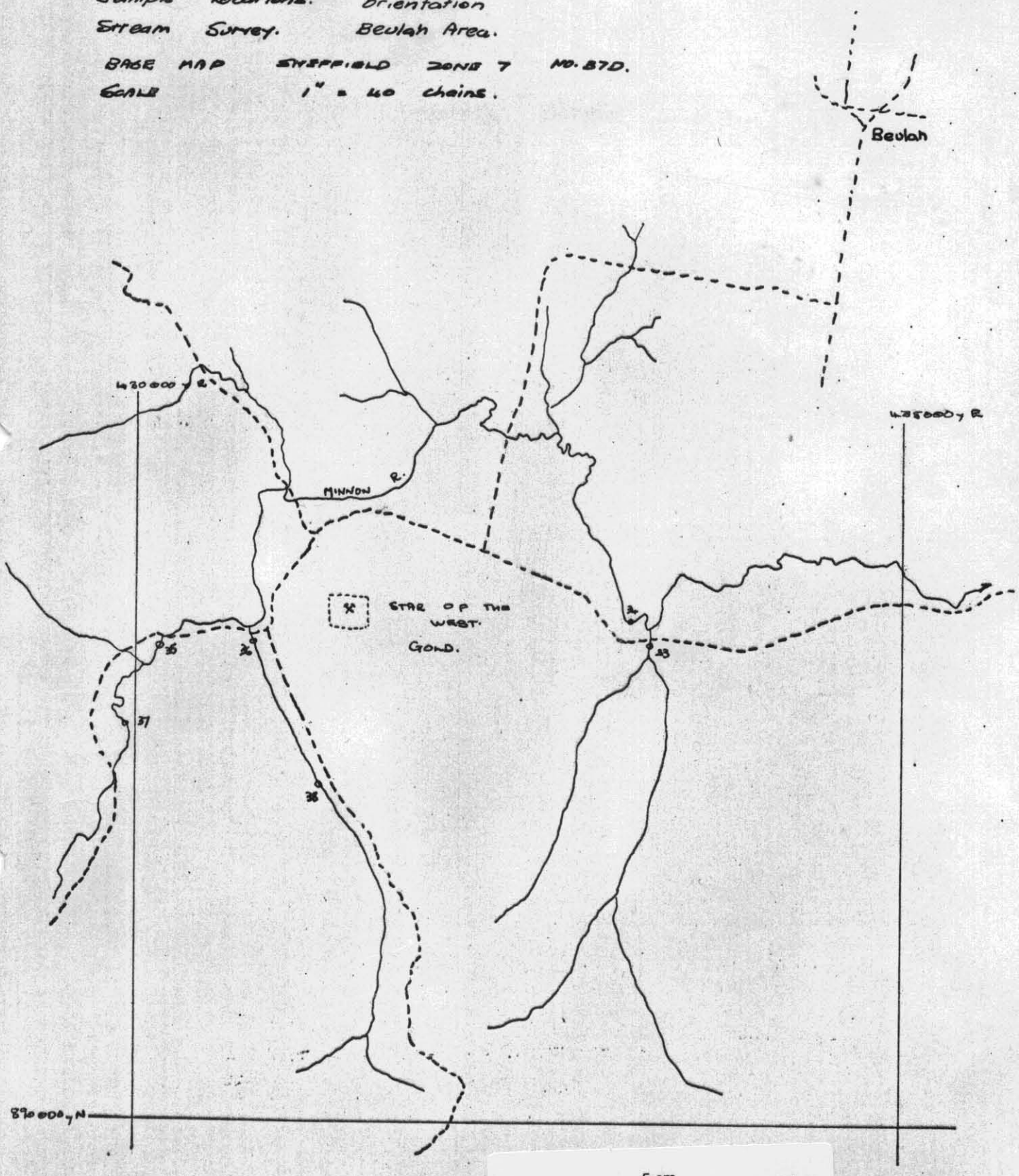
968008

Sample Locations. Orientation

Stream Survey. Beulah Area.

BASE MAP SHEFFIELD ZONE 7 NO. 87D.

SCALE 1" = 40 chains.



R.H.

APPENDIX 2

Stream Sample Data Sheets

4 PAGES

SCAMANDER MINING CORPORATION N.L.
STREAM SAMPLE DATA SHEET

AREA: BEULAH FL 14/70 SAMPLER: B. MARTIN, R. FRANKCOMBE DATE: 8/5/70

Sample:				Percent:				Stream:			WIDTH	
NO.	TYPE	COLLECTION POINT	COLOUR	SILT	SAND	GRAVEL	ORGANIC	NAME	GRADIENT	FLOW RATE	CHANNEL / WATER	REMARKS.
B.M. 7.	ACTIVE SEDIMENT WET	EDGE OF CHANNEL	BROWN	10	80	10	2	MINNOW RIVER	LOW	MED.	25/24	
B.M. 8	OLD SED. WET	EDGE OF CHANNEL FROM BANK	DARK BROWN	10	70	20	5-	TRIB. TO MINNOW RIVER	LOW	SLOW	6/4	
B.M.9.	RECENTLY ACTIVE + OLD SED.	EDGE OF CHANNEL OF BANK	DARK BROWN	10	60	30	5-10	TRIB. TO MINNOW RIVER	LOW	MED	8/5	
B.M.10.	ACTIVE SED.	MID STREAM	DARK BROWN	10	60	30	3	TRIB. TO MINNOW RIVER	LOW	MED.	3/5-	HORSESHOE BEND IN CREEK.
B.M.11.	RECENTLY ACTIVE SED.	SIDE OF CHANNEL	DARK BROWN	10	70	30	4	TRIB. TO MINNOW RIVER	MED.	LOW	3/10	FORD THROUGH CREEK SIDE
B.M.12	RECENTLY ACTIVE SED.	MID CHANNEL	DARK BROWN	60	30	10	10	TRIB. TO MINNOW RIVER	LOW	SLOW	8/4	SWAMPY RAIL FENCE
B.M.13.	ACTIVE SED.	MID CHANNEL	DARK BROWN	50	40	10	5-	TRIB. TO MINNOW RIVER	LOW	SLOW	8/4	LOG BRIDGE
B.M.14	RECENTLY ACTIVE SEDIMENT	EDGE OF CHANNEL	DARK BROWN	40	40	20	5	TRIB. TO MINNOW RIVER	LOW	MED.	6/2	SWAMPY S BEND
B.M.15.	ACTIVE SEDIMENT	MID-STREAM	DARK BROWN	50	30	20	3	TRIB TO MINNOW RIVER	LOW	SLOW	6/2	SWAMPY ABOVE JUNCTION

SCAMANDER MINING CORPORATION N.L.
STREAM SAMPLE DATA SHEET

AREA: SEULAH E.L. 14/70 SAMPLER: B. MARTIN, R. FRANKCOMBE DATE: 8/5/70

Sample:				Percent:				Stream:			WIDTH	
NO.	TYPE	COLLECTION POINT	COLOUR	SILT	SAND	GRAVEL	ORGANIC	NAME	GRADIENT	FLOW RATE	CHANNEL / WATER	REMARKS.
B.M.16	ACTIVE SEDIMENT	MID-STREAM	DARK BROWN	75	15	10	5	TRIB. TO MINNOW RIVER	LOW	SLOW	10/2	SWAMPY. FORK OF CREEK. FORD TO HOUSE
B.M.17	RECENTLY ACTIVE SEDIMENT	EDGE OF BANK.	DARK BROWN	70	20	10	7	TRIB. TO MINNOW RIVER	LOW	SLOW	12/4	SWAMPY CATTLE-FORD ROAD BRIDGE.
B.M.18	ACTIVE SEDIMENT	MID-CHANNEL	DARK BROWN	50	30	20	5	TRIB. TO MINNOW RIVER	LOW	MED.	7/5	EDGE OF TIMBER.
B.M.19.	ACTIVE SEDIMENT	MID-CHANNEL	BROWN	20	50	30	3	TRIB. TO MINNOW RIVER	LOW	MED	8/5	OLD PROSPECT. FOOT OF HILL
B.M.20	ACTIVE SEDIMENT	MID-CHANNEL	BROWN	30	50	20	3	TRIB. TO MINNOW RIVER	MED.	SLOW	12/6	2 LOGS ACROSS CK. MARKED WITH TAG.
B.M.21	ACTIVE SEDIMENT	MID-CHANNEL	DARK BROWN	40	30	30	5	TRIB. TO MINNOW RIVER	LOW	SLOW	6/3	SMALL TRENCH NEAR BY. MARKED WITH TAG
B.M.22.	RECENTLY ACTIVE SEDIMENT	EDGE OF CHANNEL	DARK BROWN	60	30	10	1	TRIB. TO MINNOW RIVER	LOW	SLOW	10/3	ABOVE MINE FORD ON CREEK.
B.M.23	ACTIVE SEDIMENT.	MID-CHANNEL	DARK BROWN	30	50	20	3	TRIB. TO MINNOW RIVER	LOW	SLOW	6/2	ON TRACK TO TOP DRIVE
B.M.24	ACTIVE SEDIMENT	SIDE OF CHANNEL	LIGHT BROWN	10	60	30	4	TRIB. TO MINNOW RIVER	LOW	SLOW	7/2	NEAR OLD BRIDGE.

(2)

SCAMANDER MINING CORPORATION N.L.
STREAM SAMPLE DATA SHEET

AREA: BEULAH E.L. 14/70 SAMPLER: B. MARTIN, R. FRANKCOMBE DATE: 8/5/70

Sample:				Percent:				Stream:			WIDTH	
NO.	TYPE	COLLECTION POINT	COLOUR	SILT	SAND	GRAVEL	ORGANIC	NAME	GRADIENT	FLOW RATE	CHANNEL / WATER	REMARKS.
M.25	ACTIVE SEDIMENT	EDGE OF CHANNEL	DARK BROWN	30	50	20	3 NL	MINNOW RIVER	MED.	MED.	25 / 18	ABOVE ROAD BRIDGE.
M.26	ACTIVE SEDIMENT	EDGE OF CHAN	DARK BROWN	40	40	20	3	T. 5 - MINNOW RIVER	MED	MED	25 / 18	JUST BELOW ROAD BRIDGE
M.27	RECENTLY ACTIVE SED	MID-CHANNEL	DARK BROWN	30	40	10	7	T. 5 TO MINNOW RIVER	LOW	SLOW	7 / 4	BEND IN CKA
M.28	RECENTLY ACTIVE SEDIMENT	EDGE OF CHANNEL	DARK BROWN	50	40	10	3	TRIB. TO MINNOW RIVER	LOW	SLOW	25 / 18	CATTLE FORD THROUGH CK. NEAR GUM TREE
M.29	RECENTLY ACTIVE SEDIMENT	EDGE OF CHANNEL	GREY	25	45	30	3	TRIB. TO MINNOW RIVER	LOW	SLOW	25 / 20	JUST BELOW P.O.
M.30	ACTIVE SEDIMENT	MID-CHANNEL	GREY	20	30	50	5	TRIB. TO MINNOW RIVER	LOW	SLOW	6 / 4	TRIB. TO MINNOW. CORNER OF P.O.
M.31			BLACK	25	25	50	10	TRIB. - TO MINNOW RIVER	LOW	SLOW	25 / 20	5 CHAINS ABOVE OLD HOUSE.
M.32	RECENTLY ACTIVE	EDGE OF CHANNEL	LIGHT BROWN	20	30	50	10	TRIB. TO MINNOW RIVER.	LOW	MED.	23 / 20	LOG - TRACK ACROSS RIVER MARKED BY TAG.
M.33	RECENTLY ACTIVE	EDGE OF CHANNEL	BROWN	10	30	60	7	TRIB. TO MINNOW RIVER.	MED	MED	22 / 2	968012 (3) 011

SCAMANDER MINING CORPORATION N.L.
STREAM SAMPLE DATA SHEET

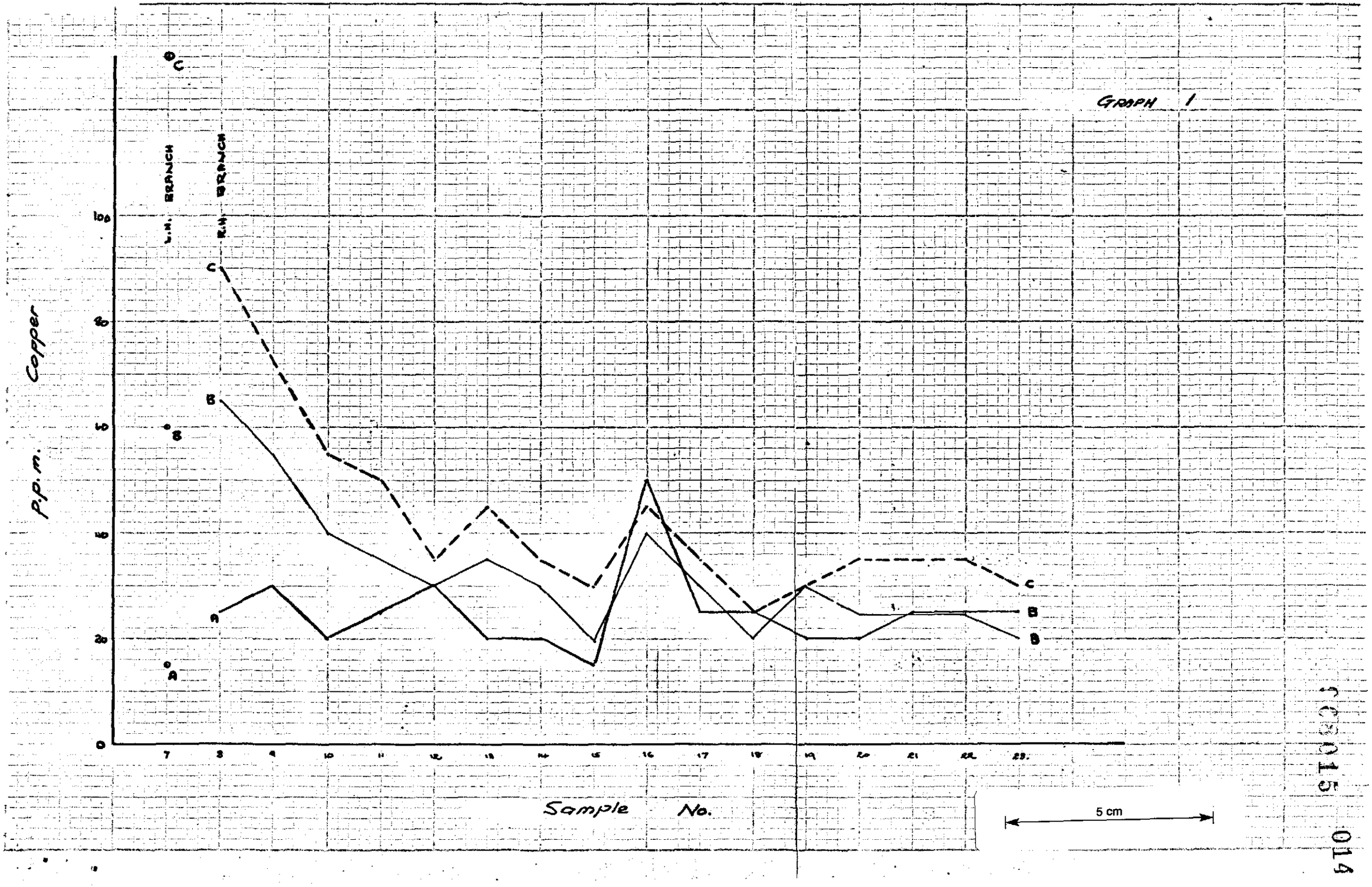
AREA: BEULAH E.L. 14/70 SAMPLER: B. MARTIN, R. FRANKCOMB DATE: 8/5/70.

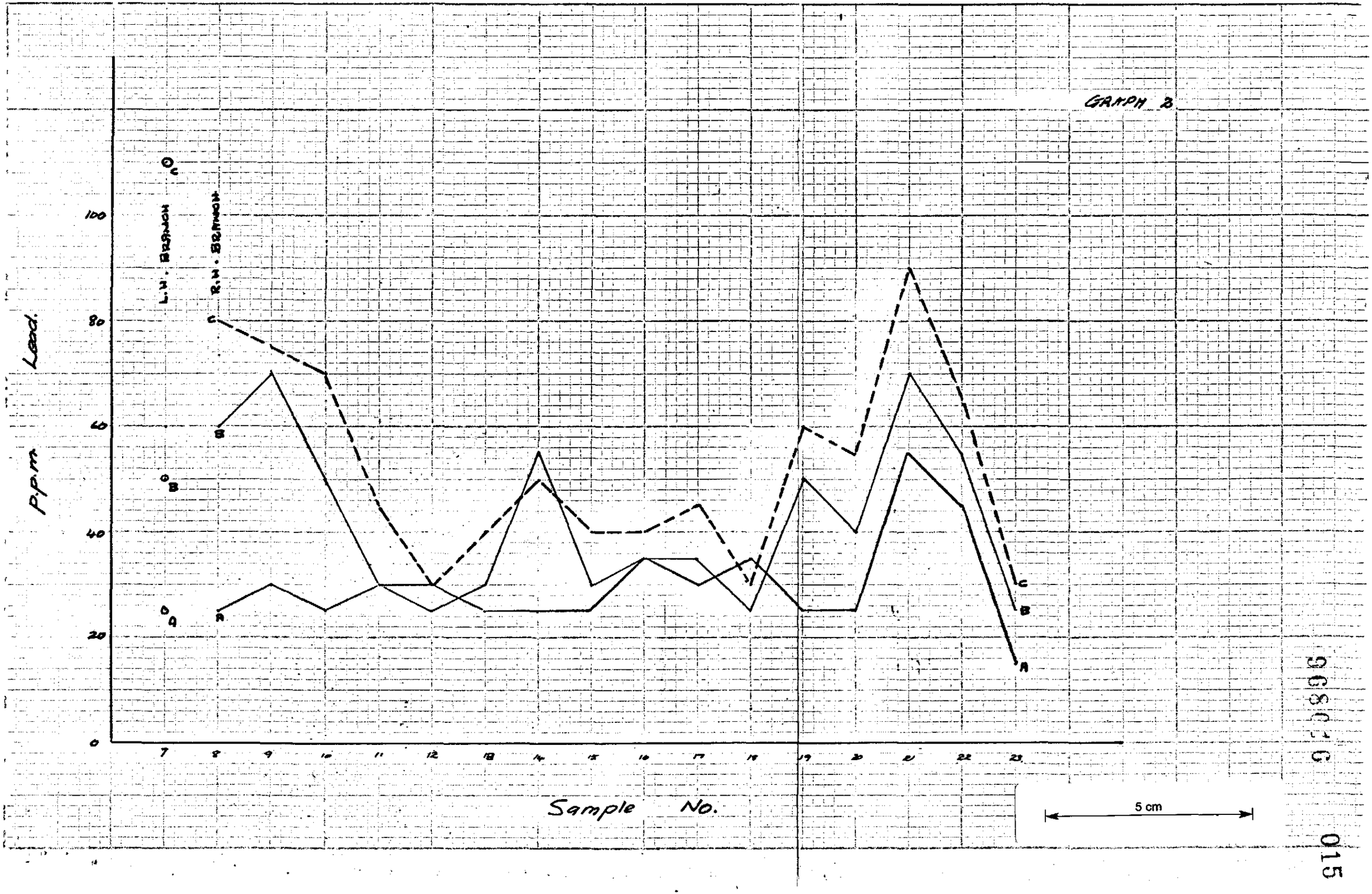
Sample:				Percent:				Stream:			Width	
NO.	TYPE	COLLECTION POINT	COLOUR	SILT	SAND	GRAVEL	ORGANIC	NAME	GRADIENT	FLOW RATE	CHANNEL / WATER	REMARKS.
M.34	RECENTLY ACTIVE SEDIMENT	MID-CHANNEL	LIGHT BROWN	10	20	70	5	T. 2. MINNOW RIVER	MED.	MED.	25 / 22	STONE-BRIDGE. CROSSING RIVER.
M.35.	RECENTLY ACTIVE SEDIMENT	MID. CHANNEL.	DARK. BROWN	10	20	70		T. 2. MINNOW RIVER	LOW	SLOW	8 / 6	ABOVE FOREST ROAD BRIDGE.
M.36.	ACTIVE SEDIMENT	EDGE OF CHANNEL	LIGHT BROWN	30	20	50	5	TRIB. TO MINNOW RIVER	MED	SLOW	30 / 25	FORD ON RIVER. ROAD ACROSS MARKED BY TAG.
M.37	OLD SEDIMENT.	EDGE OF CHANNEL	GREY	20	20	60	10	TRIB. TO MINNOW RIVER	MED	SLOW	8 / 4	ROAD. BR.
M.38.	OLD SEDIMENT.	EDGE OF CHANNEL	GREY	10	30	60	5	TRIB. TO MINNOW RIVER				LOG TRACK ABOVE. BR.
												968013 012 (4)

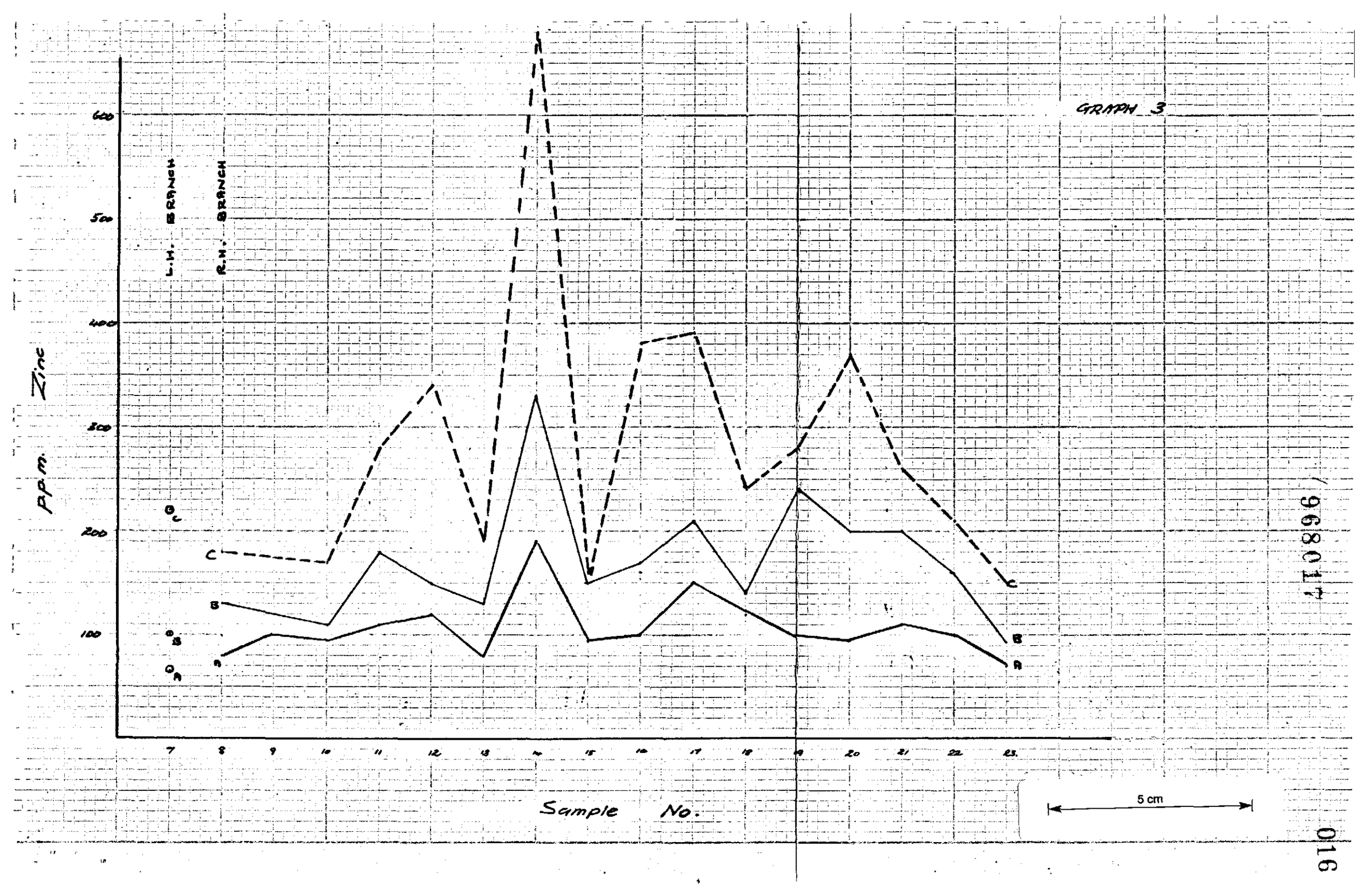
APPENDIX 3

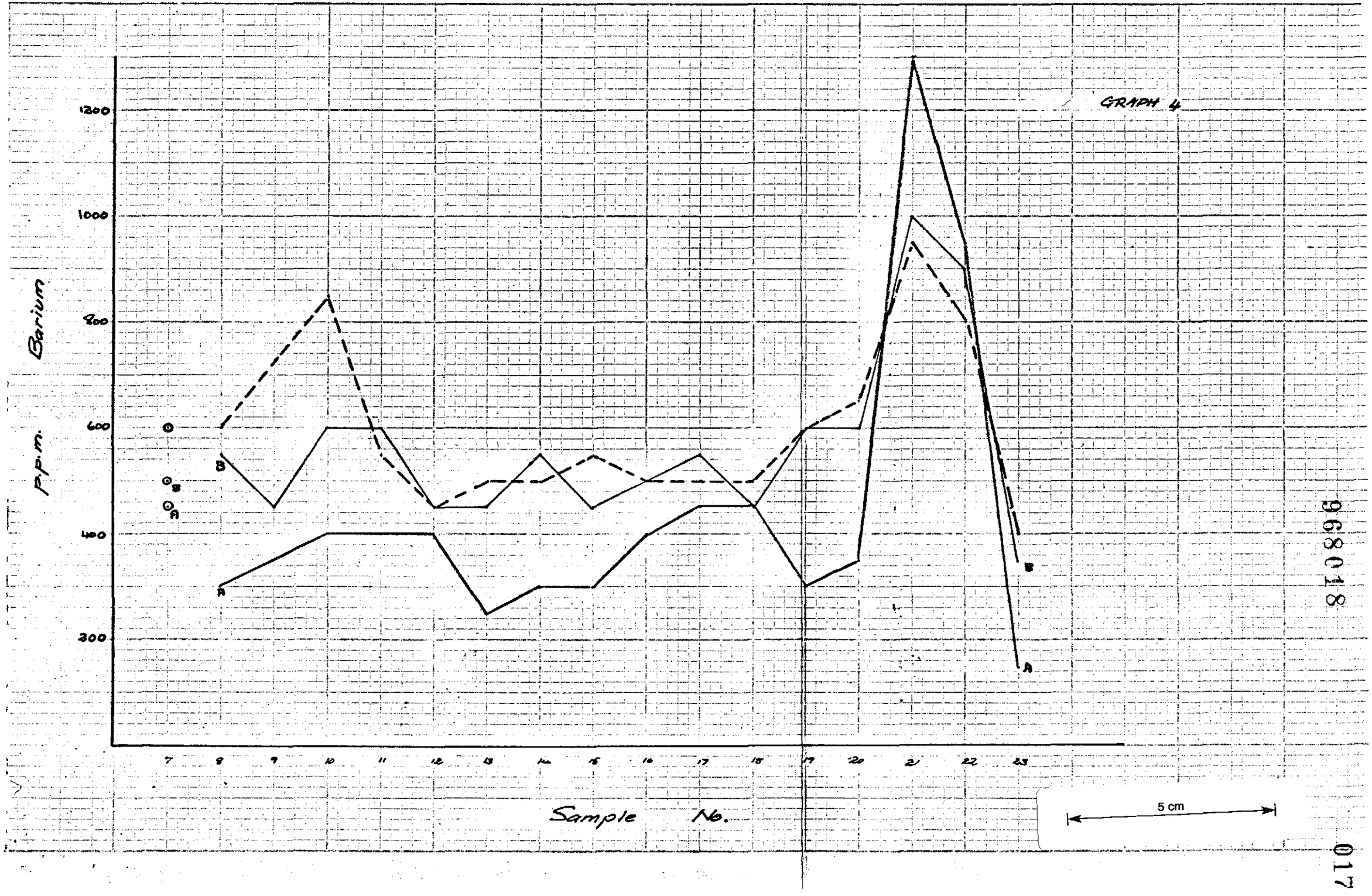
Graphs 1 - 19

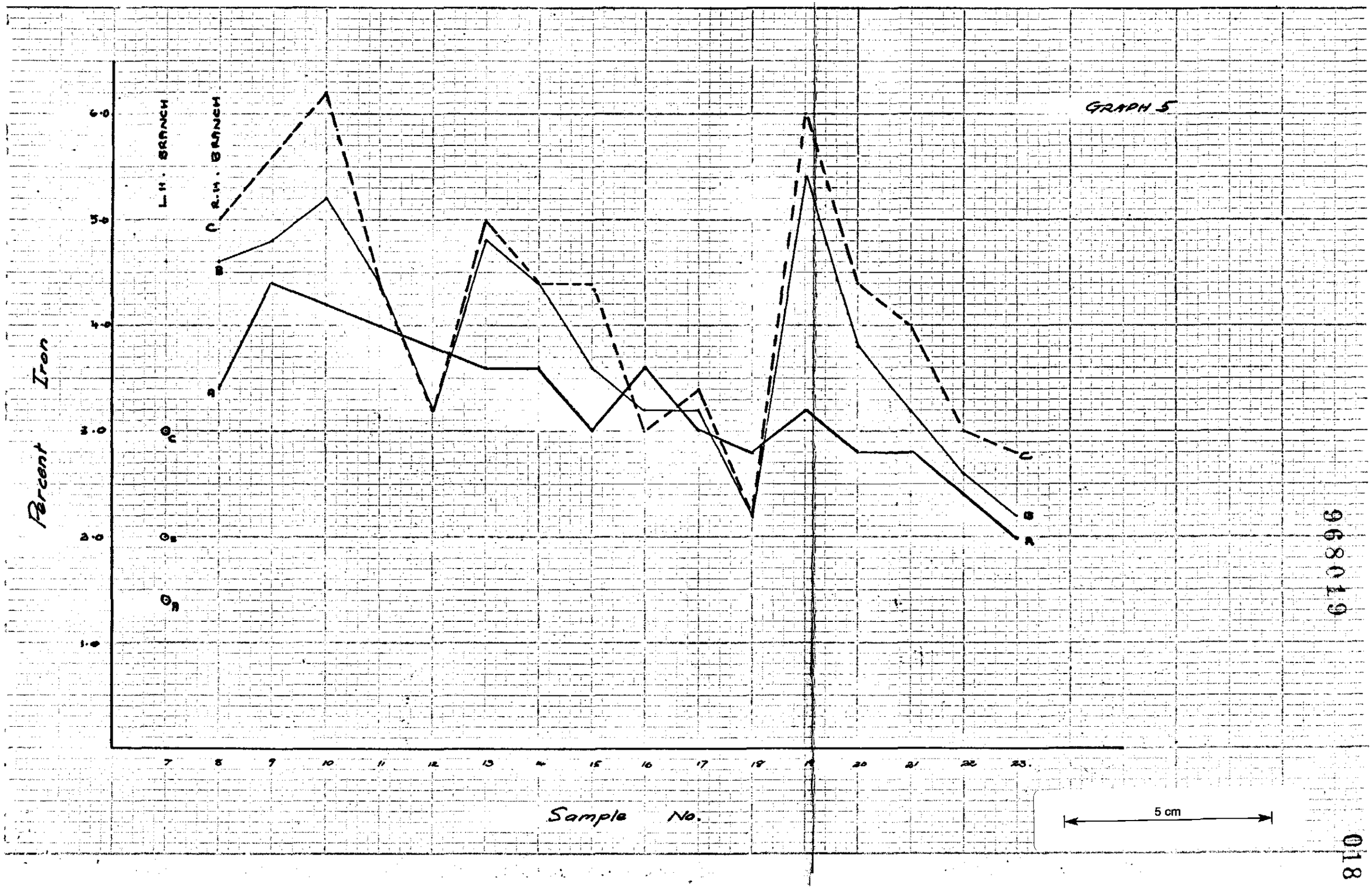
GRAPH 1




GRAPH B
P.P.m. Lead.
L.H. Sample
R.H. Sample
100
80
60
40
20
0
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
Sample No.
5 cm
A
B
C
D
E

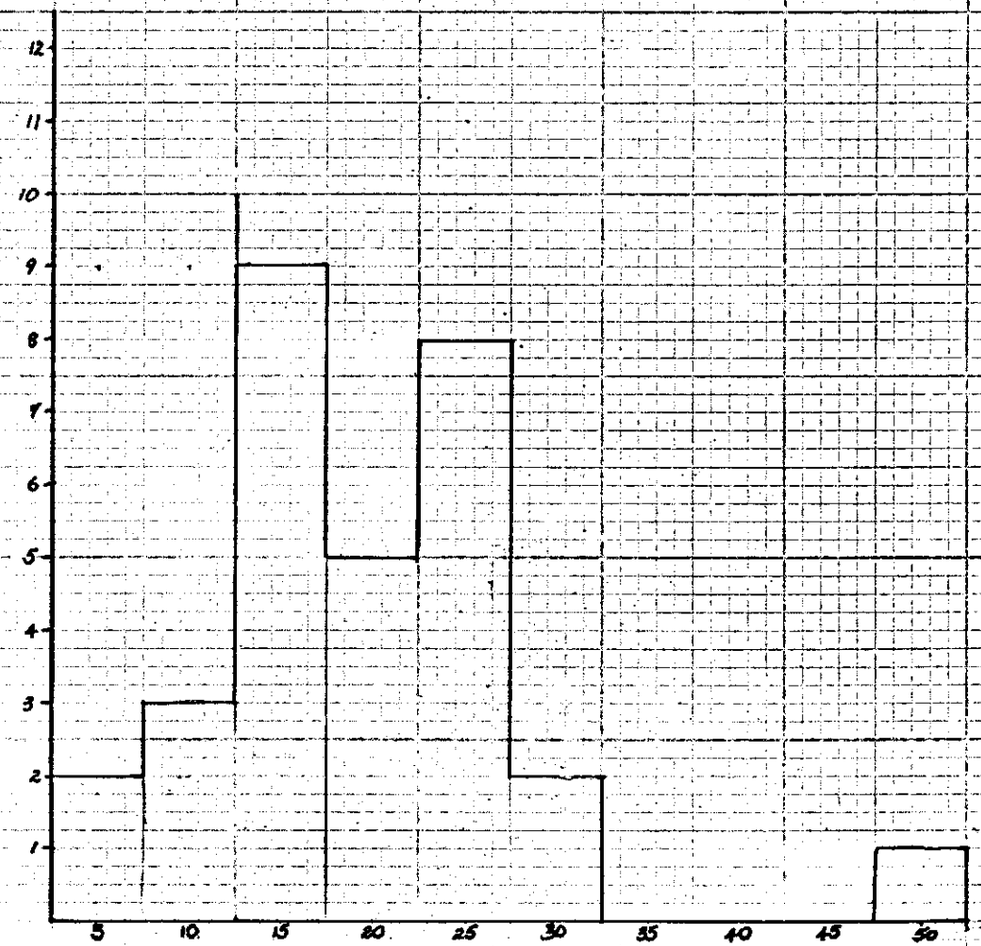

GRAPH 3
L.H. BRANCH
R.H. BRANCH
Zinc
p.p.m.
600
500
400
300
200
100
C
B
A
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
Sample No.
5 cm


GRAPH 4
Barium
p.p.m.
1200
1000
800
600
400
300
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
Sample No.
A
B
5 cm

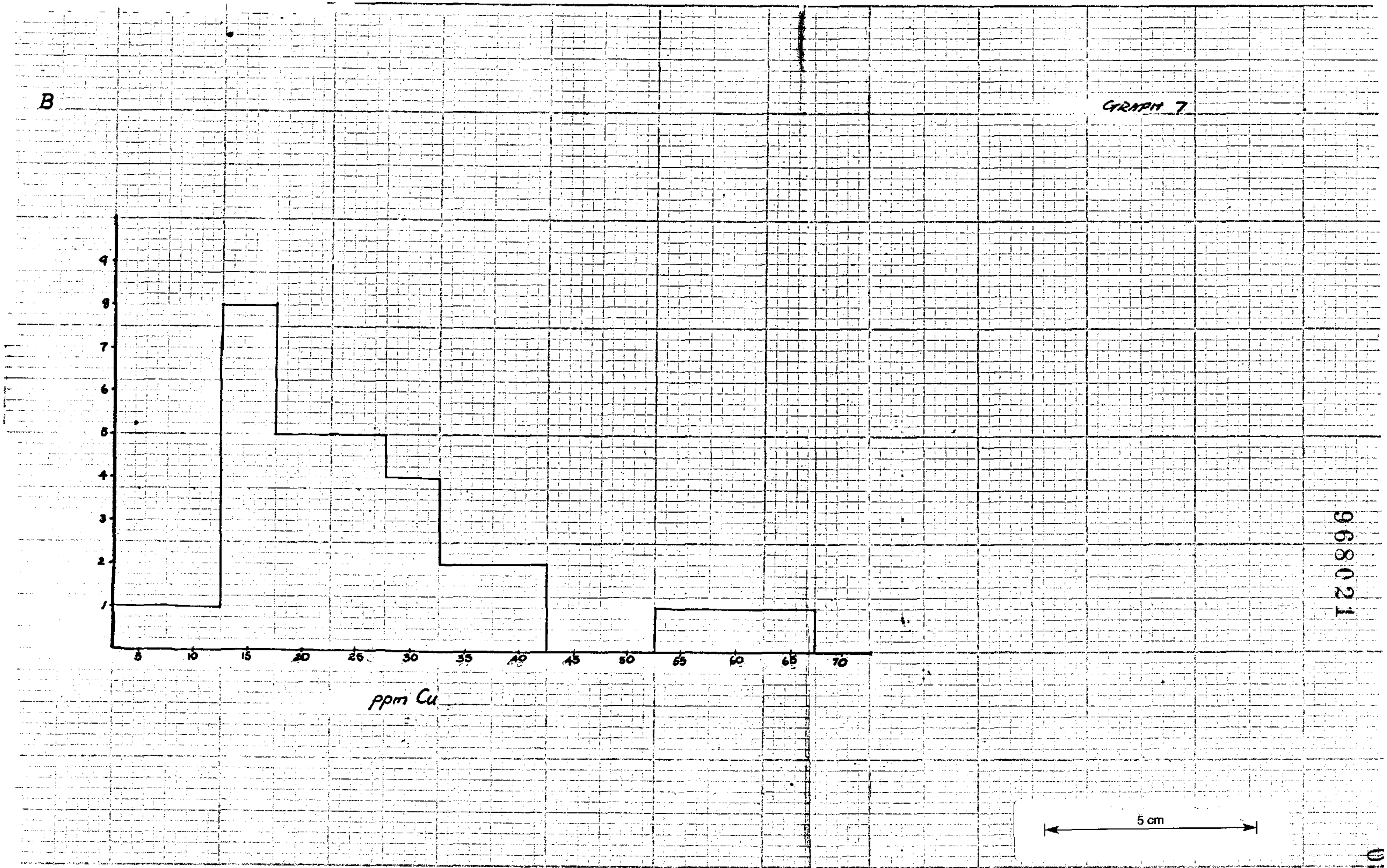

GRAPH 5
L.H. BRANCH
R.H. BRANCH
Percent Iron
6.0
5.0
4.0
3.0
2.0
1.0
A
B
C
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23.
Sample No.
5 cm

A

GRAPH 6

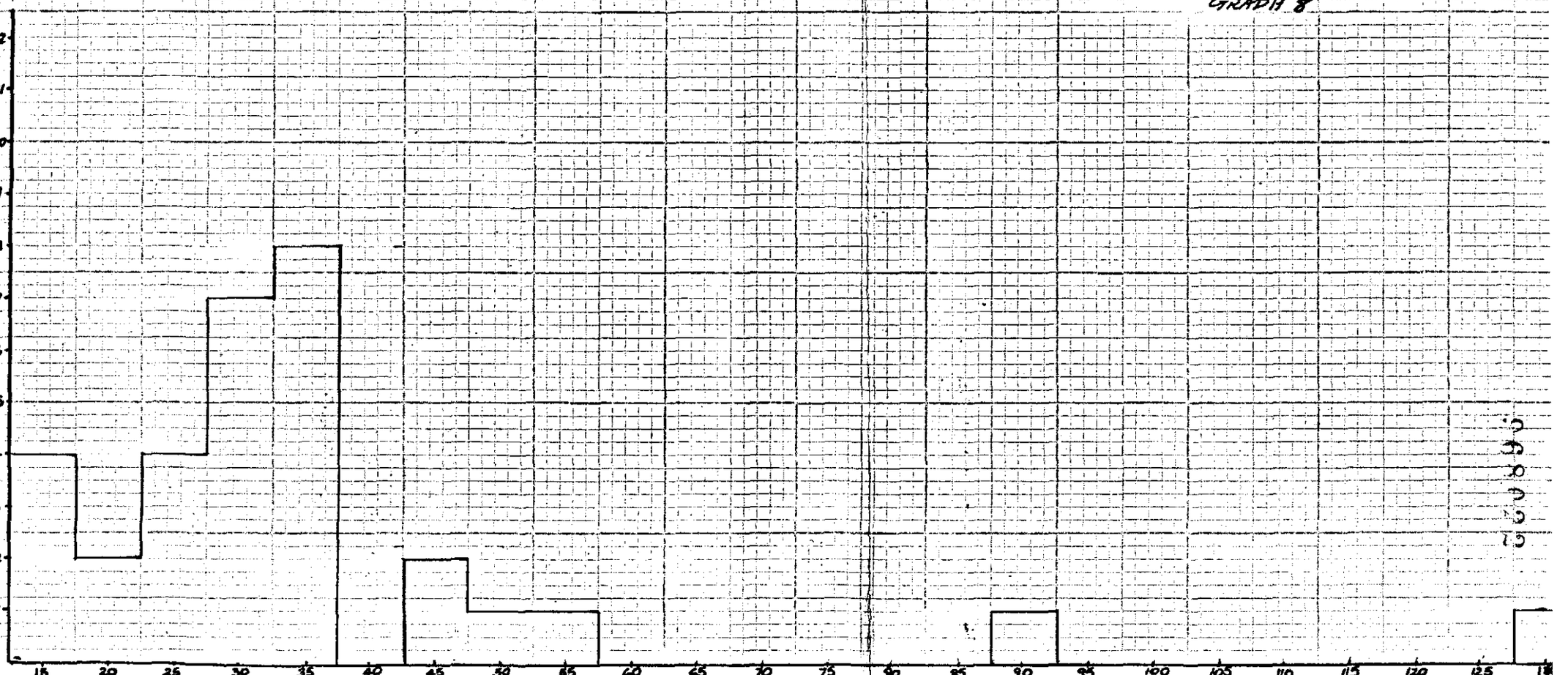


5 cm


B
GRAPH 7
1
2
3
4
5
6
7
8
9
5
10
15
20
25
30
35
40
45
50
55
60
65
70
ppm Cu
5 cm

C

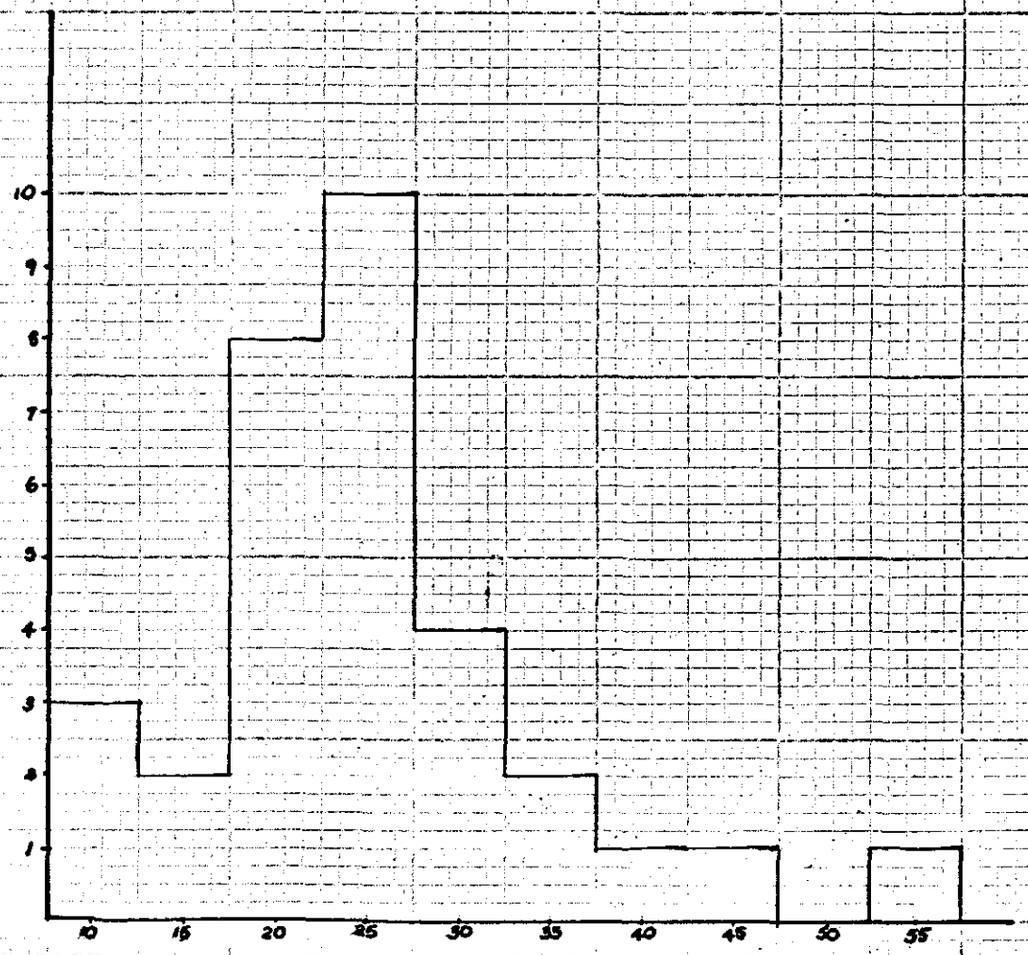
GRAPH 8


12
11
10
9
8
7
6
5
4
3
2
1
15
20
25
30
35
40
45
50
55
60
65
70
75
80
85
90
95
100
105
110
115
120
125
ppm Cu

5 cm

A

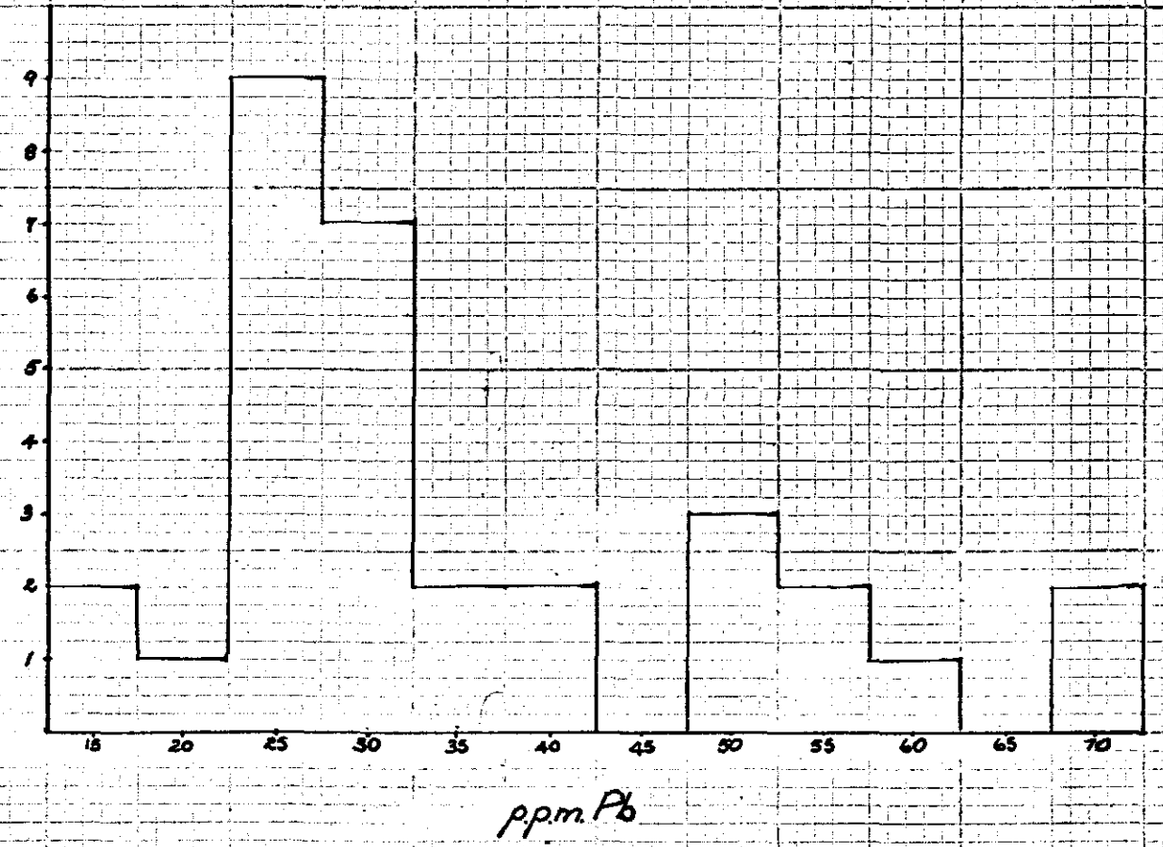
GRAPH 9



5 cm

B

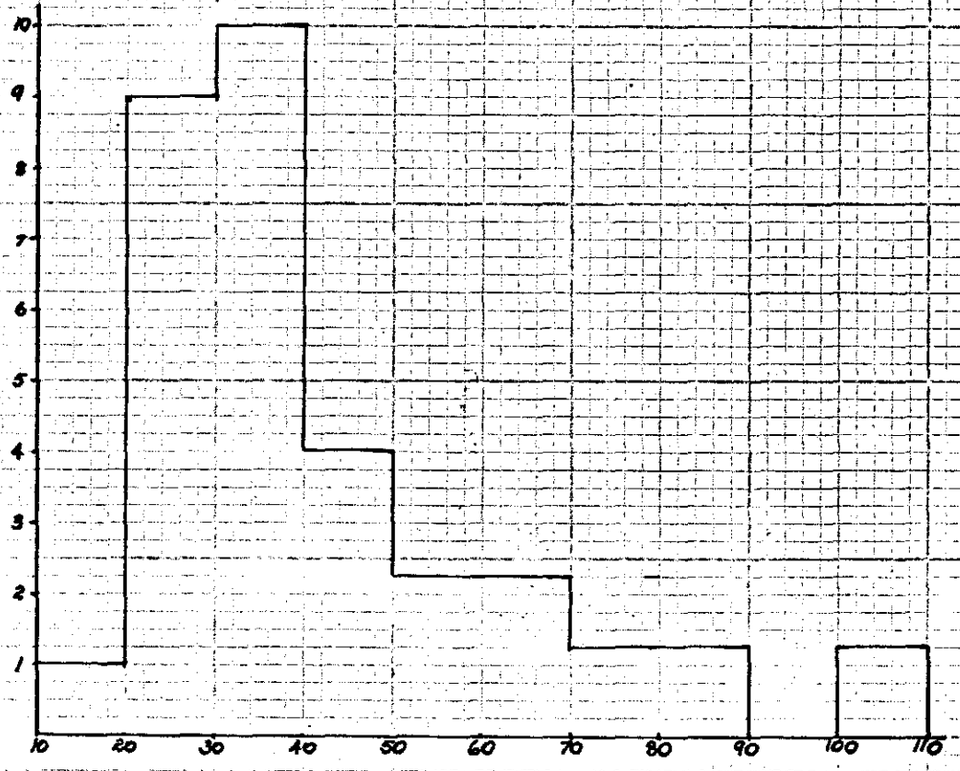
GRAPH 10



5 cm

C

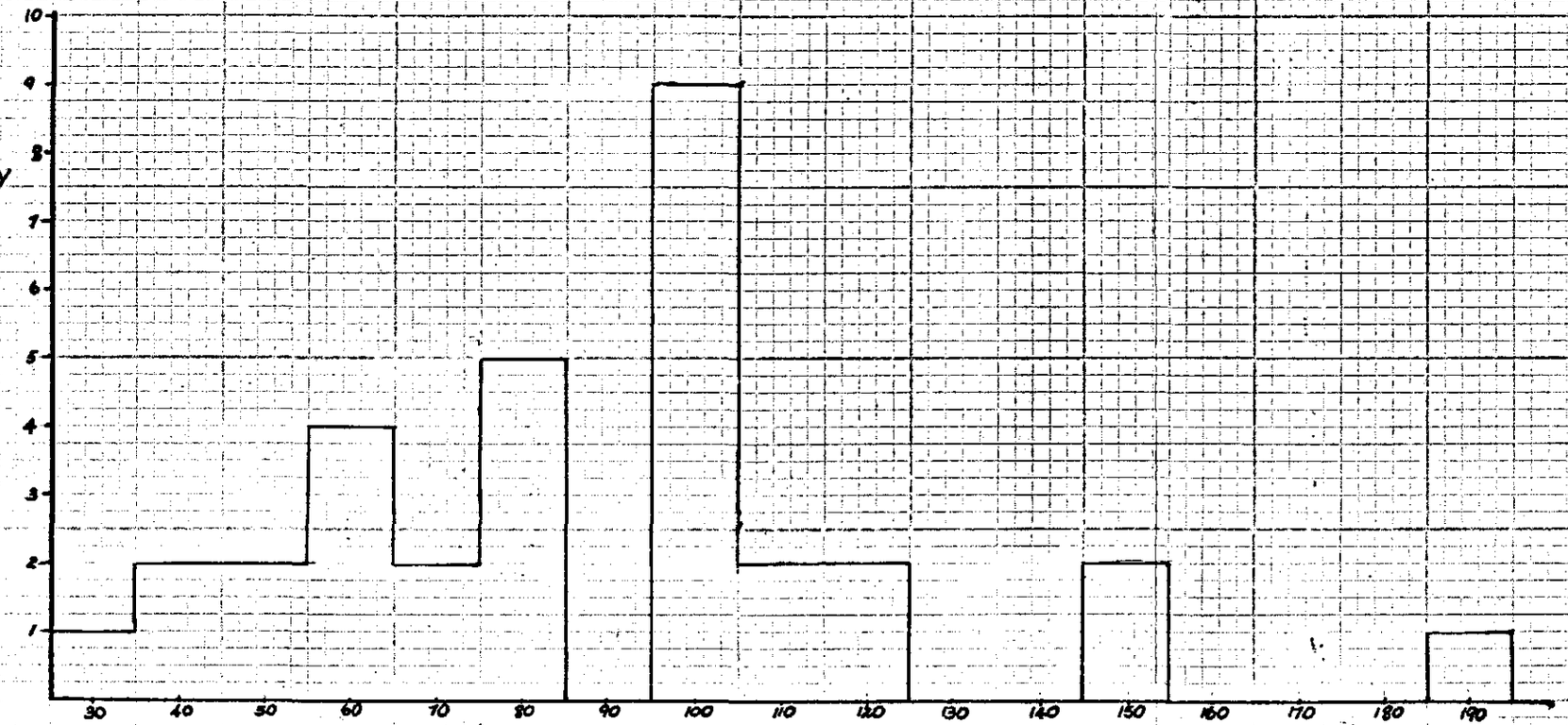
GRAPH II



5 cm

GRAPH 12

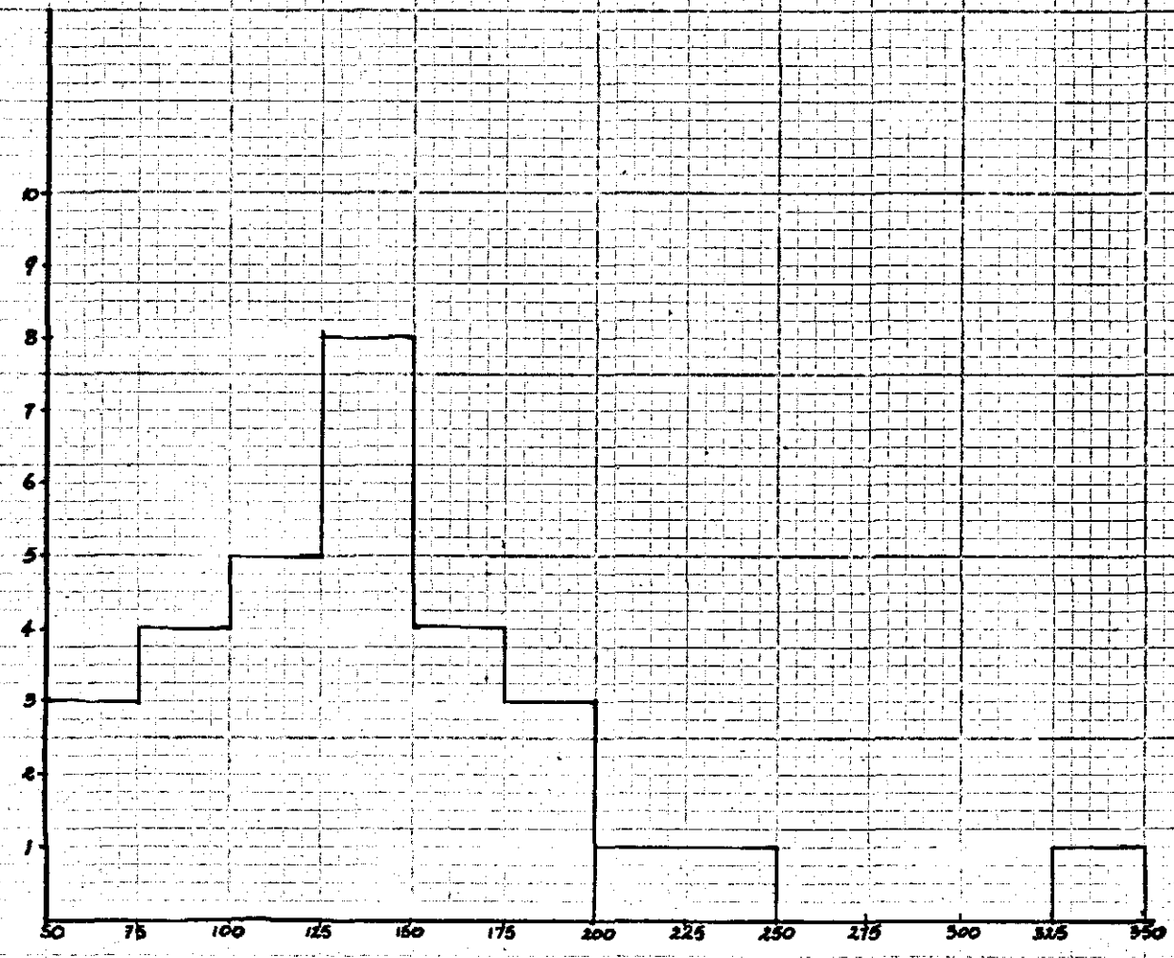
A



5 cm

B

GRAPH 13

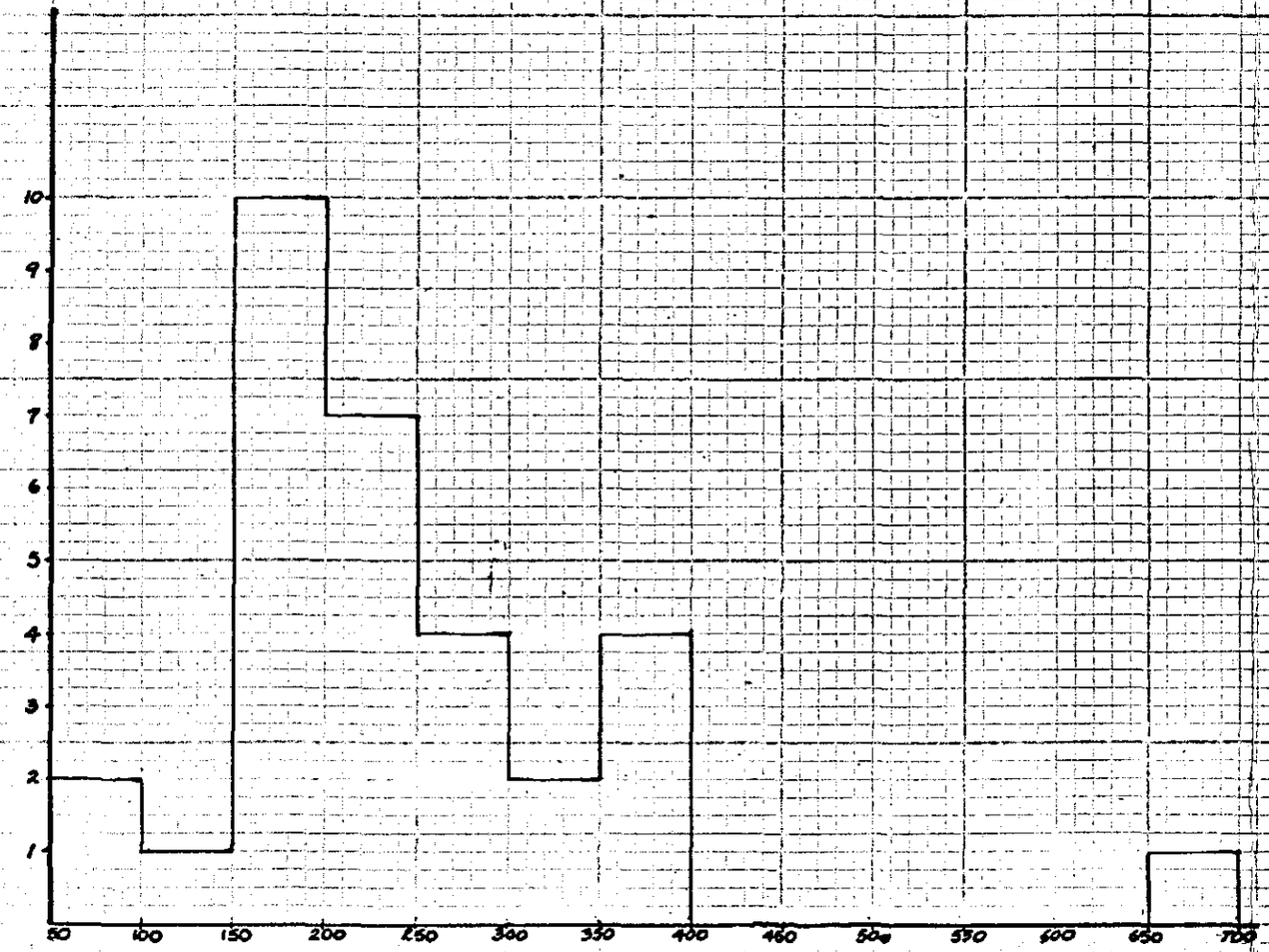


ppm Zn

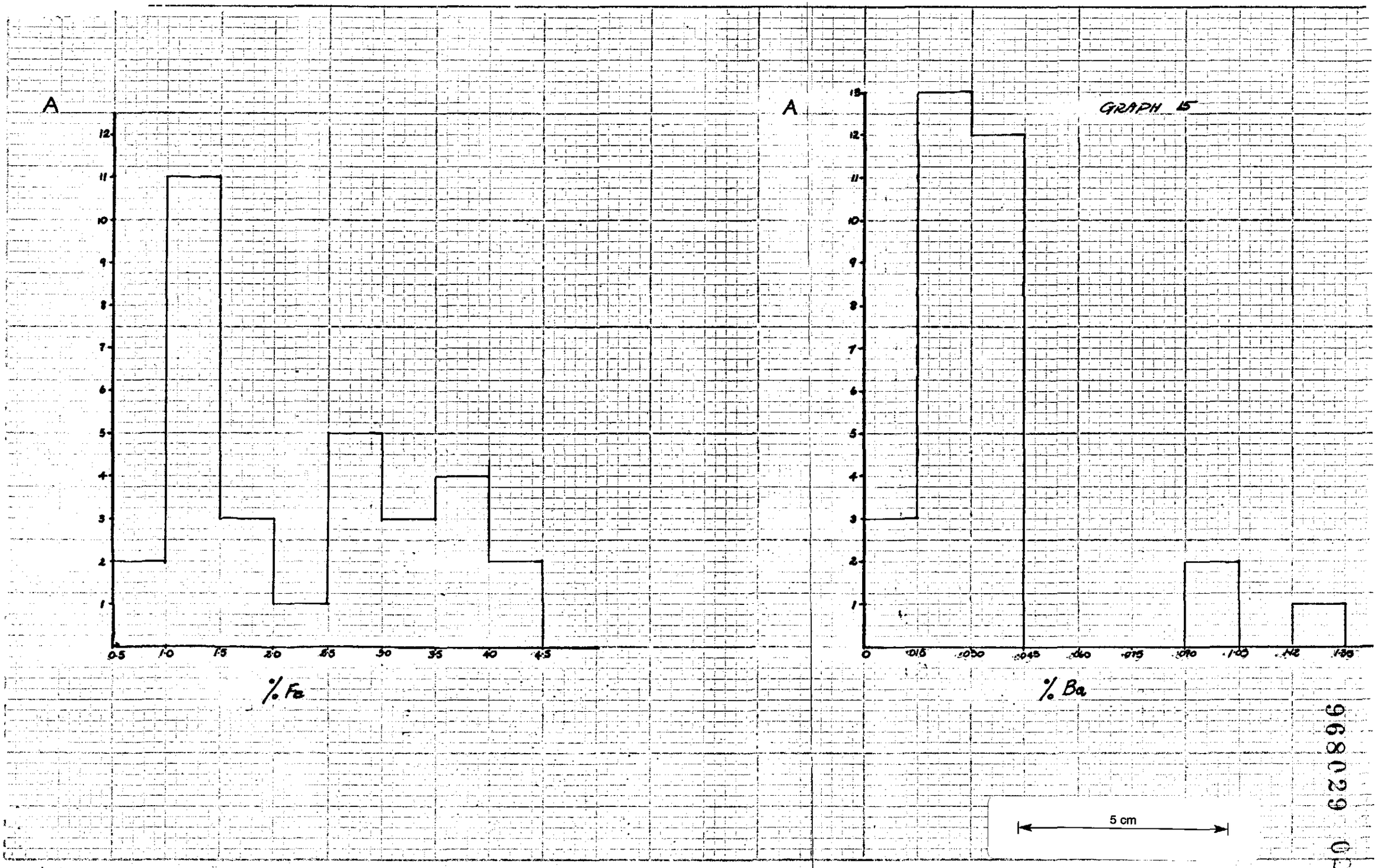
5 cm

C

GRAPH 14

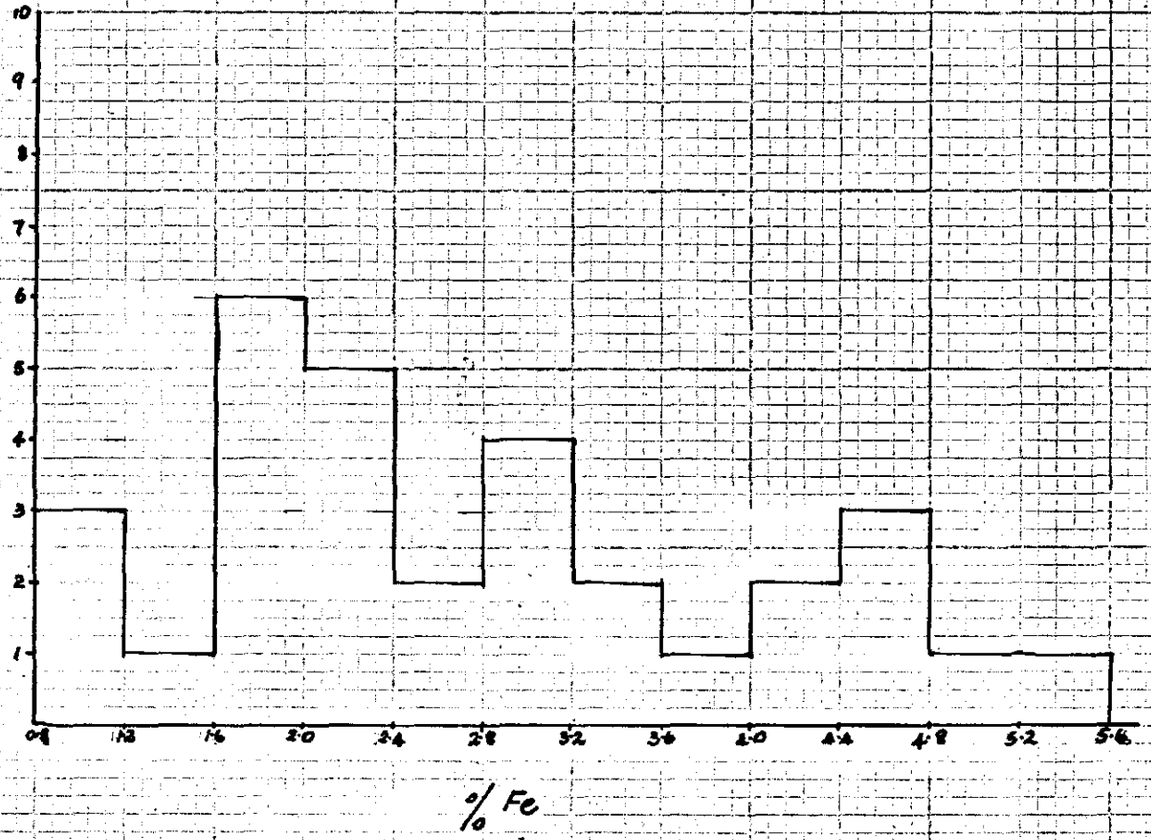


5 cm


A
12
11
10
9
8
7
6
5
4
3
2
1
0·5
1·0
1·5
2·0
2·5
3·0
3·5
4·0
4·5
% Fe
A
GRAPH 15
12
11
10
9
8
7
6
5
4
3
2
1
0
·015
·030
·045
·060
·075
·090
·105
·120
·135
% Ba
5 cm

B

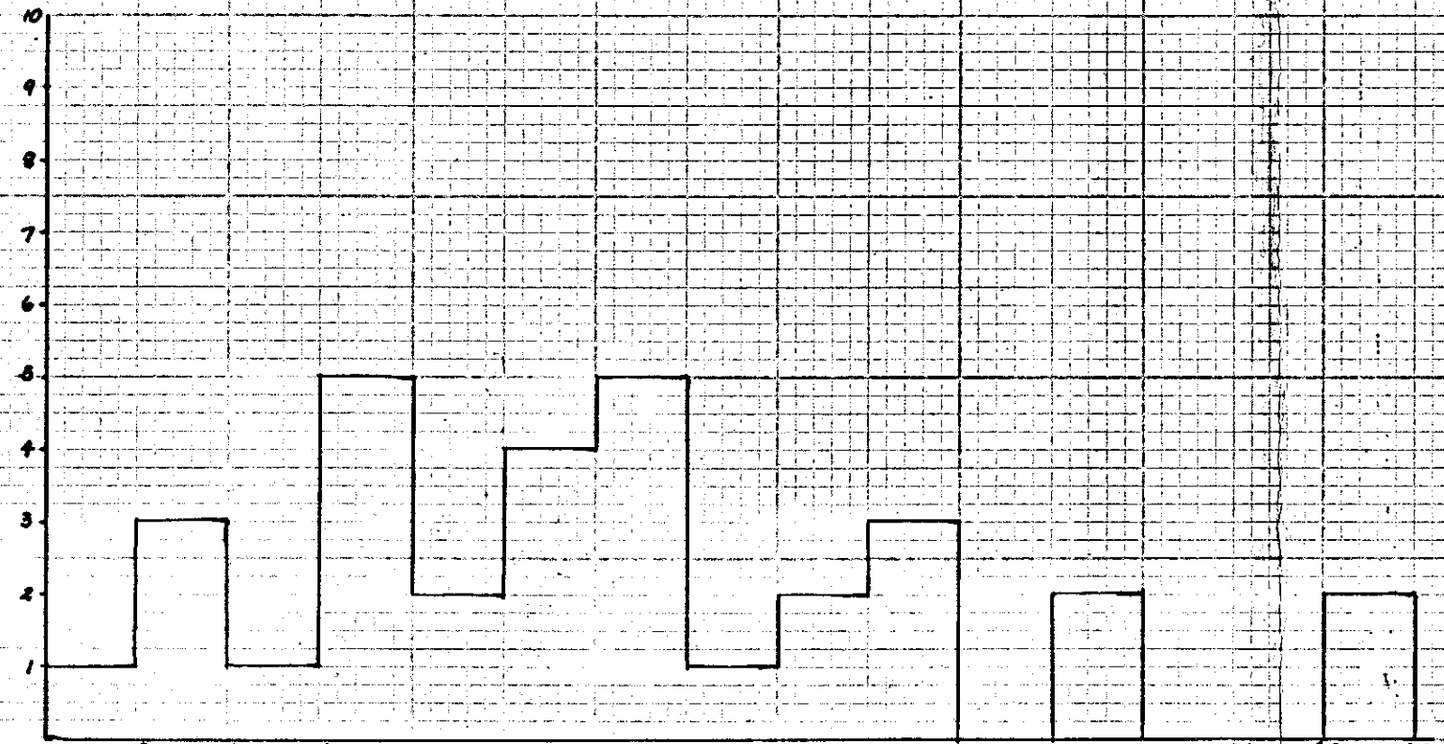
GRAPH 16



5 cm

C

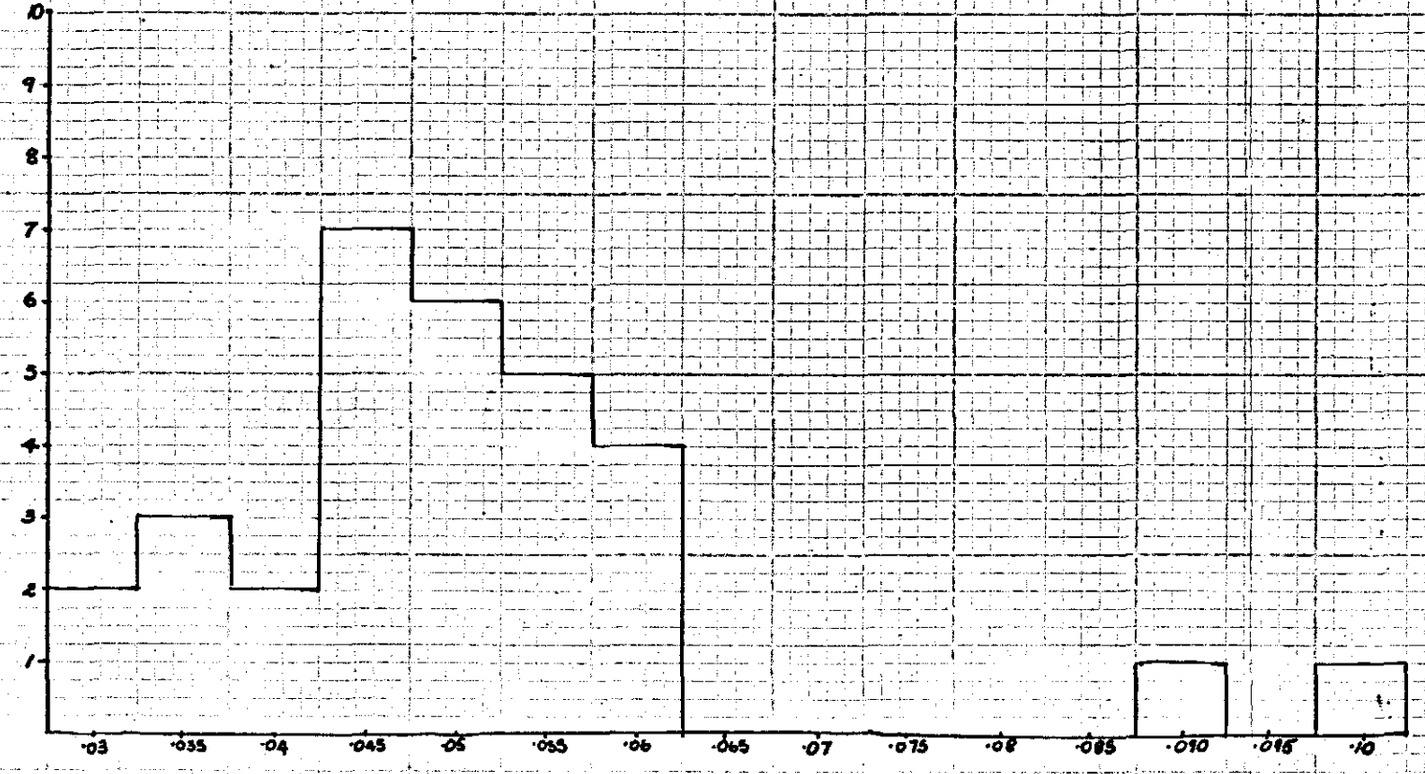
GRAPH 17



5 cm

B

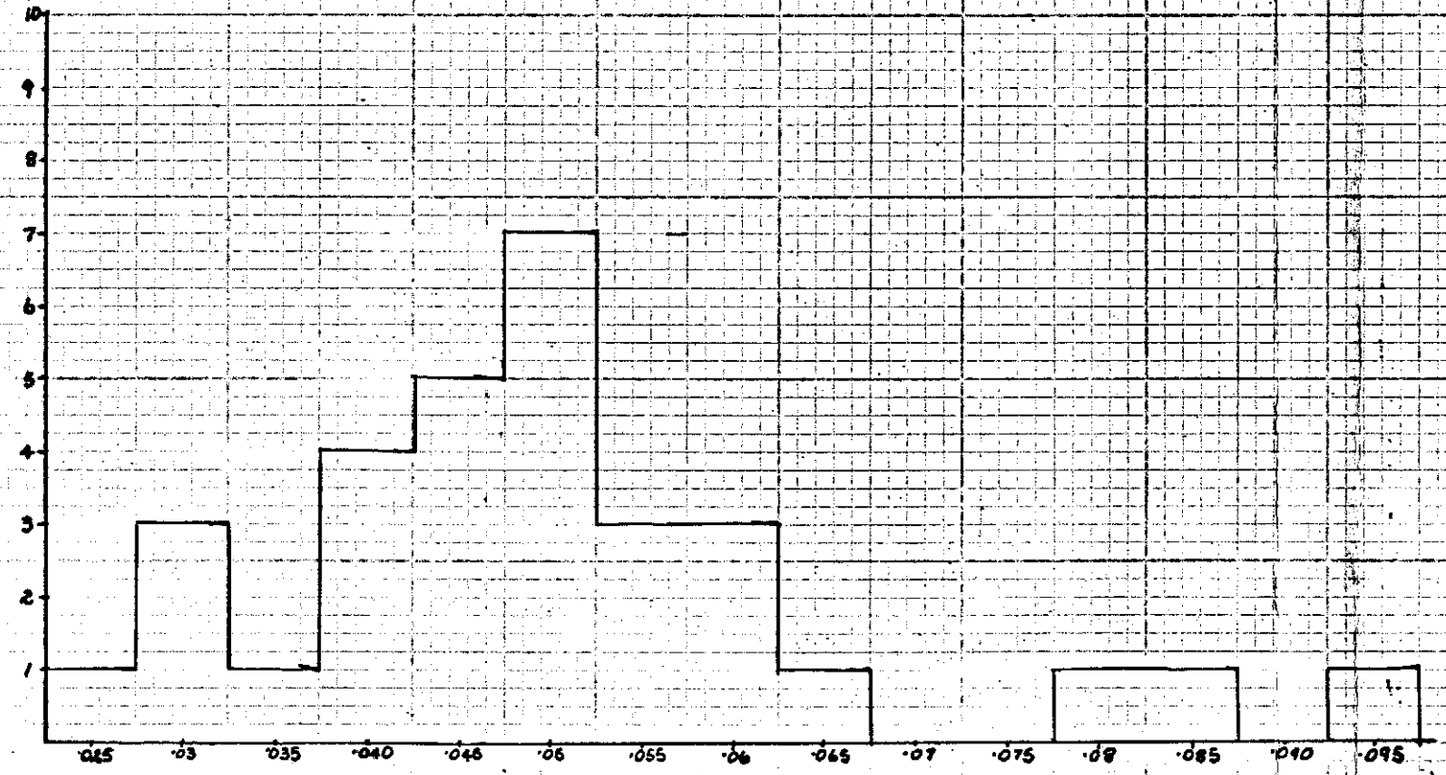
GRAPH 18



5 cm

C

GRAPH 19



% Ba

5 cm

033

968034

APPENDIX 4

ASSAY REPORTS - AMDEL (3 PARTS)

CONYNGHAM ST. FREWVILLE SOUTH AUSTRALIA 5063 TELEPHONE 79 1662 TELEGRAMS 'TELEX' AA82520

968035

934

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES

PLEASE ADDRESS ALL CORRESPONDENCE TO THE DIRECTOR.

OUR REFERENCE: AN3/414/0 4838/70

YOUR REFERENCE:

Part Report 1

23 July 1970

The Manager,
Hall, Relph and Associates Pty Ltd,
36-38 Clarence Street,
SYDNEY NSW 2001

REPORT AN4838/70

YOUR REFERENCE:	Letter dated 24/6/70
IDENTIFICATION:	As listed
DATE RECEIVED:	26/6/70

Enquiries quoting AN4838/70 to Officer in Charge please.

Analysis by: A.E. Francis

Officer in Charge, Analytical Section: A.B. Timms

for N. Draper
Director.

pkm

035

968036

FORM 12 JOB # 8538/10 AMDEL GEOCHEMICAL SERVICE BATCH NO. 1

TT	Sample No.		Cu	Pb	Zn	% Fe	Cd.		
1	7 H	-597+211	15	25	65	1.4	1		
2	8		25	25	80	3.4	<1		
3	9		30	30	100	4.4	1		
4	10 H		20	25	95	4.2	1		
5	Sro 31/0								
6	11 H		25	30	110	4.0	<1		
7	12		30	30	120	3.8	<1		
8	13		20	25	80	3.6	<1		
9	14		20	25	190	3.6	<1		
10	15		15	25	95	3.0	<1		
11	16		50	35	100	3.6	1		
12	17 x		25	30	150	3.0	<1		
13	18		25	35	120	2.8	<1		
14	19		20	25	100	3.2	<1		
15	20		20	25	95	2.8	<1		
16	21		25	55	110	2.8	<1		
17	22		25	45	100	2.4	<1		
18	23		25	15	70	2.0	<1		
19	24 H	-597+211	15	15	45	1.2	<1		
20	17 v								

% Fe → ppm Fe

4/100

.04

× 10,000

1.4 × 10,000

14000 ppm

036

968037

FORM 12 JOB 4838/70 AMDEL GEOCHEMICAL SERVICE BATCH NO. 2

TT	Sample No.		Cu	Pb	Zn	% Fe	Cd		
1	25 A	-599+211	5	20	55	1.2	<1		
2	26A		10	25	150	1.2	1		
3	27		15	25	75	2.0	<1		
4	28		15	20	75	1.6	<1		
5	29 x		15	20	55	1.2	1		
6	30		15	20	55	1.0	1		
7	31		15	20	65	1.2	1		
8	32		10	10	30	1.2	1		
9	33		5	10	45	0.8	<1		
10	34		10	10	40	1.2	1		
11	35		25	40	95	3.4	1		
12	36A		15	20	35	1.2	1		
13	Std 51/1								
14	37		15	20	75	1.2	1		
15	39A	-599+211	10	20	95	1.2	1		
16	7B		60	50	100	2.0	<1		
17	8B		65	60	130	4.6	1		
18	9B		55	70	120	4.8	1		
19	10B		40	50	110	5.2	1		
20	29A x								

037

968038

FORM 12

JOB 4838/70 AMDEL GEOCHEMICAL SERVICE BATCH NO. 3

TT	Sample No.			Cu	Pb	Zn	% Fe	Cd	
1	11 B			35	30	180	4.4	<1	
2	12			30	25	150	3.2	<1	
3	13			35	30	130	4.8	<1	
4	14			30	55	330	4.4	<1	
5	15			20	30	150	3.6	1	
6	Std 5711								
7	16			40	35	170	3.2	<1	
8	17			30	35	210	3.2	1	
9	18			20	25	140	2.2	1	
10	19			30	50	240	5.4	<1	
11	20			25	40	200	3.8	<1	
12	1			25	70	200	3.2	<1	
13	2			25	55	160	2.6	<1	
14	3			20	25	95	2.2	<1	
15	24 Not	Rec'd		—					
16	5			20	30	170	2.8	<1	
17	6 x			25	40	140	3.4	<1	
18	7			15	30	110	2.2	<1	
19	28 B			25	30	160	2.0	<1	
20	26 x								

038

FORM 12 JOB 4638/10 AMDEL GEOCHEMICAL SERVICE BATCH NO. 4 968039

TT	Sample No.			Cu	Pb	Zn	%Fe	Cd	
1	29 B			20	30	150	2.4	<1	
2	30			15	25	110	1.6	<1	
3	1 X			15	25	150	2.0	<1	
4	2			15	25	65	1.8	<1	
5	3			15	25	90	2.0	<1	
6	4			15	20	90	2.2	<1	
7	5			15	25	150	1.0	<1	
8	6			15	25	110	2.0	<1	
9	Std 51/1								
10	7			10	15	55	1.0	<1	
11	38 B			5	15	65	0.8	<1	
12	7C			130	110	220	3.0	<1	
13	8			90	80	180	5.0	<1	
14	10			55	70	170	6.2	<1	
15	11			50	45	280	4.4	<1	
16	12			35	30	340	3.2	<1	
17	13			45	40	190	5.0	<1	
18	14			35	50	680	1.4	<1	
19	15 C			30	40	160	4.4	<1	
20	31 B X								

039

968040

JOB 4838/70 AMDEL GEOCHEMICAL SERVICE BATCH NO. 5

FORM 12

TT	Sample No:			Cu	Pb	Zn	%Fe	Cd	
1	16C			45	40	380	3.0	1	
2	17			35	45	390	3.4	1	
3	18			25	30	240	2.2	<1	
4	19			30	60	290	6.0	1	
5	20 x			35	55	370	4.4	1	
6	1			35	90	260	4.0	1	
7	2			35	65	210	3.0	1	
8	3			30	30	150	2.8	<1	
9	24 Not Listed			15	25	170	1.0	<1	
10	5			30	40	160	3.0	1	
11	6			35	45	190	4.0	1	
12	7			25	40	180	2.8	<1	
13	8			30	40	230	2.4	1	
14	9			30	45	380	2.6	<1	
15	30			35	30	260	1.8	<1	
16	1			25	30	280	2.0	<1	
17	Std 51/1								
18	2			30	25	160	2.0	<1	
19	33C			25	30	240	2.0	<1	
20	20 x								

040

968041

JOB 4838/10 AMDEL GEOCHEMICAL SERVICE BATCH NO. 6

FORM 12

TT	Sample No.			Cu	Pb	Zn	%Fe	Cd	
1	34 C			20	35	250	2.6	1	
2	35 X			15	40	330	1.2	<1	
3	36			20	35	200	2.0	<1	
4	Std 51/1								
5	37			15	25	85	1.2	<1	
6	38 C			15	60	100	0.8	<1	
7	35 X								
8	Blank			—	—	—		—	
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

Code C1
Results in ppm

RH

CONYNGHAM ST. FREWVILLE SOUTH AUSTRALIA 5063 TELEPHONE 79 1662 TELEGRAMS 'TELEX' AA82520

968042

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES

PLEASE ADDRESS ALL CORRESPONDENCE TO THE DIRECTOR.

OUR REFERENCE: AN3/414/0 4838/70

YOUR REFERENCE:

Part Report 2

24 July 1970

The Manager,
Hall, Relph and Associates Pty Limited,
36-38 Clarence Street,
SYDNEY NSW 2000

REPORT AN4838/70

YOUR REFERENCE:	Letter dated 24/6/70
IDENTIFICATION:	As listed
DATE RECEIVED:	26/6/70

Enquiries quoting AN4838/70 to Officer in Charge please.

Analysis by: R.R. Robinson - Spectrographic

Officer in Charge, Analytical Section: A.B. Timms

for N. Draper
Director.

pkm

RECEIVED
29 JUL 1970
Ans'd.....

Semi-Quantitative Spectrographic Analysis

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES

x - not detected at the limits quoted

REPORT AN 4838/79

968043

Results in ppm unless otherwise stated. Detection limits in brackets.

Sample No	Sn (1)	Bi (1)	Ag (0.1)	Au (3)		Sample No.	Sn (1)	Bi (1)	Ag (0.1)	Au (3)
7a	2	x	x	x		32a	1	x	x	x
8a	2	"	0.1	"		33a	1	"	"	"
9a	3	"	0.1	"		34a	1	"	"	"
10a	3	"	0.1	"		35a	3	"	"	"
11a	3	"	0.1	"		36a	2	"	"	"
12a	3	"	0.1	"		37a	2	"	"	"
13a	2	"	0.1	"		38a	2	"	"	"
14a	2	"	0.1	"		7b	2	"	"	"
15a	1	"	0.1	"		8b	2	"	"	"
16a	3	"	x	"		9b	1	"	"	"
17a	2	"	0.1	"		10b	2	"	"	"
18a	2	"	0.1	"		11b	1	"	"	"
19a	1	"	x	"		12b	1	"	"	"
20a	2	"	0.1	"		13b	1	"	"	"
21a	2	"	0.1	"		14b	1	"	"	"
22a	2	"	0.1	"		15b	1	"	"	"
23a	3	"	0.1	"		16b	3	"	"	"
24a	3	"	x	"		17b	2	"	"	"
25a	1	"	0.1	"		18b	2	"	"	"
26a	2	"	x	"		19b	1	"	"	"
27a	1	"	"	"		20b	1	"	"	"
28a	2	"	"	"		21b	1	"	"	"
29a	2	"	0.1	"		22b	1	"	"	"
30a	3	"	x	"		23b	1	"	"	"
31a	1	"	"	"		25b	2	"	"	"

Results are semi-quantitative. Elements apparently present in concentrations of economic interest should be redetermined by an appropriate accurate analytical technique.

.043.

Semi-Quantitative Spectrographic Analysis

(2)

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES

x = not detected at the limits quoted

REPORT AN 4838/70

968044

Results in ppm unless otherwise stated. Detection limits in brackets.

Sample No	Sn (1)	Bi (1)	Ag (0.1)	Au (3)		Sample No.	Sn (1)	Bi (1)	Ag (0.1)	Au (3)
26b	3	X	X	X		20c	1	X	X	X
27b	2	"	"	"		21c	1	"	"	"
28b	2	"	"	"		22c	1	"	"	"
29b	3	"	"	"		23c	1	"	"	"
30b	5	"	"	"		24c	1	"	"	"
31b	1	"	"	"		25c	1	"	"	"
32b	1	"	"	"		26c	2	"	"	"
33b	2	"	"	"		27c	1	"	"	"
34b	2	"	"	"		28c	1	"	"	"
35b	2	"	"	"		29c	2	"	"	"
36b	1	"	"	"		30c	3	"	"	"
37b	2	"	"	"		31c	1	"	"	"
38b	2	"	"	"		32c	1	"	"	"
7c	2	"	"	"		33c	1	"	"	"
8c	2	"	"	"		34c	3	1	0.1	"
10c	2	"	"	"		35c	1	X	X	"
11c	2	"	"	"		36c	1	"	"	"
12c	1	"	"	"		37c	2	"	"	"
13c	2	"	"	"		38c	2	1	0.1	"
14c	1	"	"	"						
15c	1	"	"	"						
16c	2	"	"	"		GEO	A2	(4x94) = 376		
17c	2	"	"	"			RRK	23-7-70		
18c	1	"	"	"						
19c	1	"	"	"						

Results are semi-quantitative. Elements apparently present in concentrations of economic interest should be redetermined by an appropriate accurate analytical technique.

044

CONYNGHAM ST. FREWVILLE SOUTH AUSTRALIA 5063 TELEPHONE 79 1662 TELEGRAMS 'TELEX' AA82520

968045

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES

PLEASE ADDRESS ALL CORRESPONDENCE TO THE DIRECTOR.

OUR REFERENCE: AN3/414/0 4838/70

YOUR REFERENCE:

Report Complete

5 August 1970

The Manager,
Hall, Relph and Associates Pty Limited,
36-38 Clarence Street,
SYDNEY NSW 2000

REPORT AN4838/70

YOUR REFERENCE: Letter dated 24/6/70,

IDENTIFICATION: As listed

DATE RECEIVED: 26/6/70

Enquiries quoting AN4838/70 to Officer in Charge please.

Analysis by: G.R. Holden

Officer in Charge, Analytical Section: A.B. Timms

for N. Draper
Director.

pkm

RECEIVED
10 AUG 1970
Ans'd.....

C45

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES 968046

Form 38 REPORT AN 4.838/20 Code B1 (1)

Sample No.		% Ba −20+85 #		% Ba		% Ba	
	7A	0.045	32A	0.02	23B	0.035	
	8	0.03	33	0.025	24	Sample Not Received	
	9	0.035	34	0.015	25	0.05	
	10A	0.04	35	0.04	26	0.045	
	11	0.04	36	0.015	27	0.055	
	12	0.04	37	0.025	28	0.05	
	13	0.025	38A	0.04	29	0.055	
	14	0.03			30B	0.04	
	15	0.03	−85+120#		31	0.05	
	16	0.04	7B	0.05	32	0.03	
	17	0.045	8	0.055	33	0.04	
	18	0.045	9	0.045	34	0.035	
	19	0.03	10B	0.06	35	0.05	
	20	0.035	11	0.06	36	0.035	
	21	0.13	12	0.045	37	0.03	
	22	0.095	13	0.045	38B	0.045	
	23	0.015	14	0.055			
	24	0.025	15	0.045	−120#		
	25	0.045	16	0.05	7C	0.06	
	26	0.04	17	0.055	8	0.06	
	27	0.10	18	0.045	9	Sample Not Received	
	28	0.04	19	0.06	10C	0.085	
	29	0.03	20B	0.06	11	0.055	
	30	0.03	21	0.10	12	0.045	
	31A	0.03	22B	0.09	13C	0.05	

546

THE AUSTRALIAN MINERAL DEVELOPMENT LABORATORIES 968047

Form 38 REPORT AN 4838/20 (2)

Sample No.	-120#	% Ba								
	14C	0.05								
	15	0.055								
	16	0.05								
	17	0.05								
	18	0.05								
	19	0.06								
	20C	0.065								
	21	0.095								
	22	0.08								
	23	0.04								
	24	0.03								
	25	0.055								
	26	0.045								
	27	0.045								
	28	0.05								
	29	0.05								
	30C	0.04								
	31	0.045								
	32	0.025								
	33	004								
	34	0.04								
	35	0.045								
	36	0.03								
	37	003								
	38C	0035								