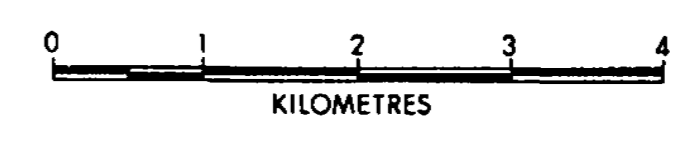
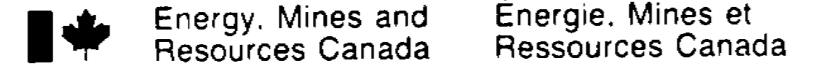



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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKOT — TASEKO LAKES AREA**
 (920/4, 5; 92/13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 — 6
 BY G. R. McLAREN

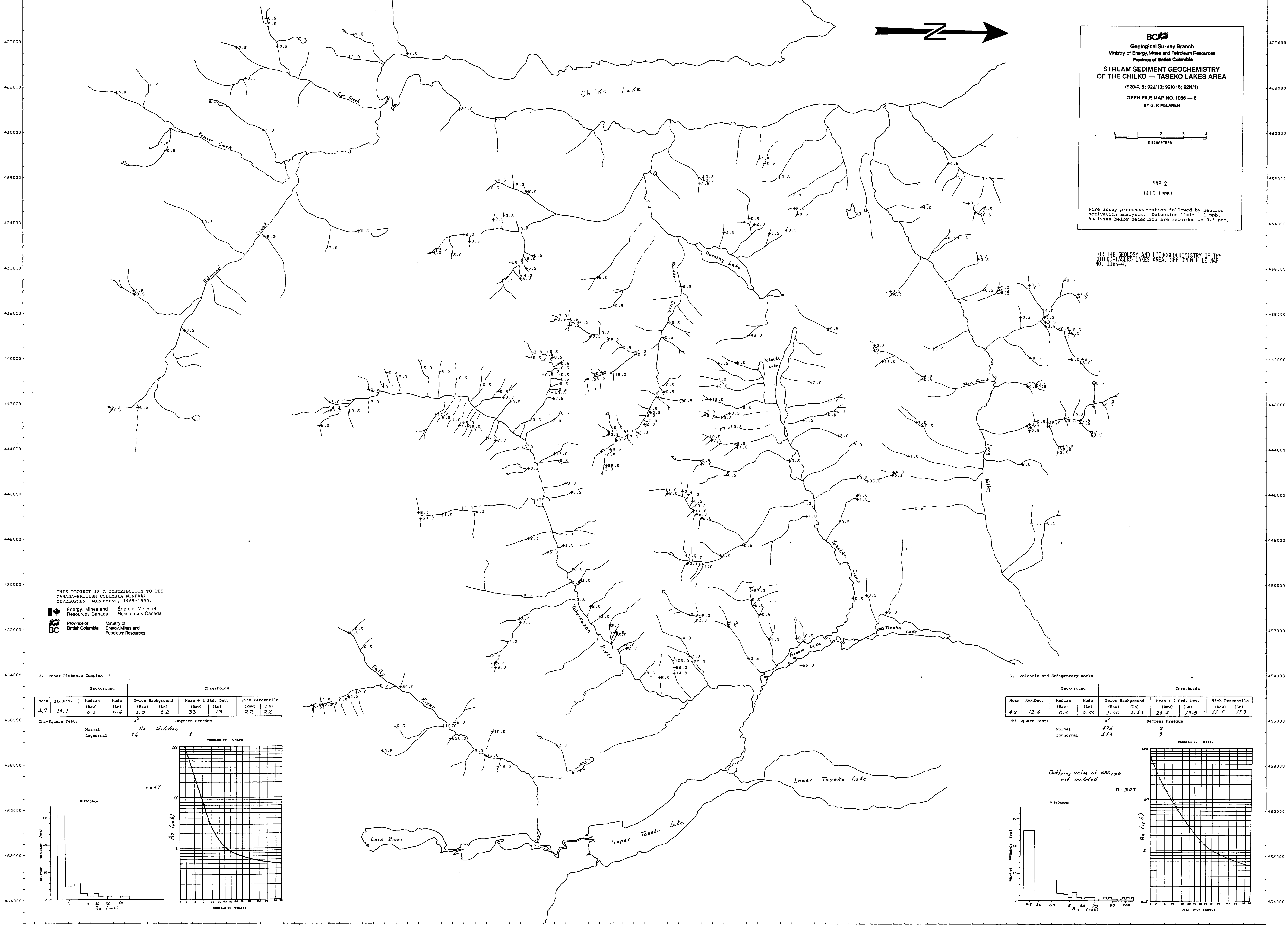

 KILOMETRES

MAP 1
 SAMPLE LOCATIONS

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE CHILKOT-TASEKO LAKES AREA, SEE OPEN FILE MAP NO. 1986-1.

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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKO — TASEKO LAKES AREA**
 (920/4, 5; 92/J/13; 92/K/16; 92/N/1)
 OPEN FILE MAP NO. 1986 — 8
 BY G. R. McLAREN

0 1 2 3 4
 KILOMETRES

MAP 2
 GOLD (ppb)

Fire assay preconcentration followed by neutron activation analysis. Detection limit = 1 ppb. Analyses below detection are recorded as 0.5 ppb.

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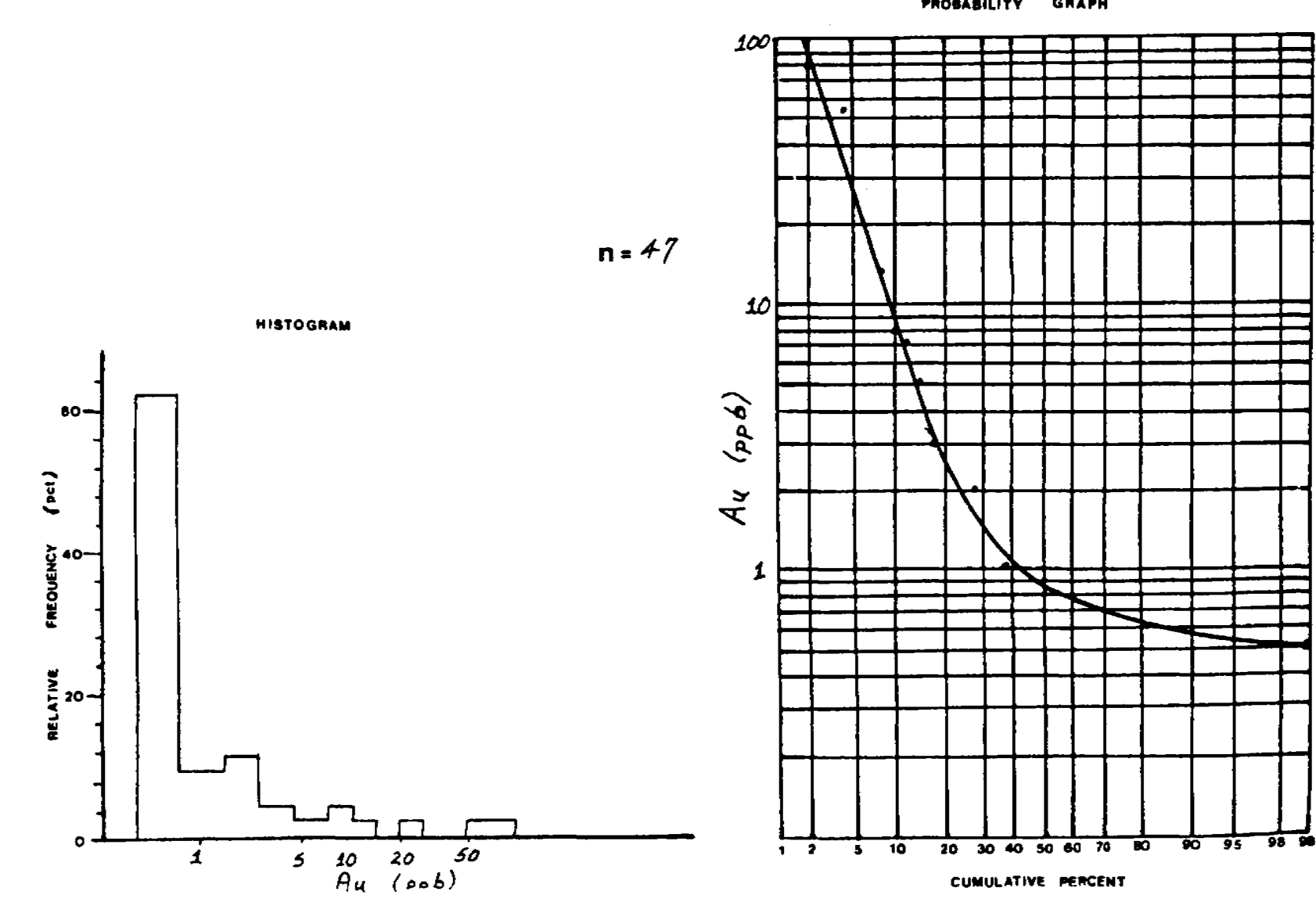
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2. Coast Plutonic Complex

Background		Thresholds					
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw) (Ln)	Mean + 2 Std. Dev. (Raw) (Ln)	95th Percentile (Raw) (Ln)	95th Percentile (Ln)
4.7	14.1	0.5	0.6	1.0	1.2	33	22

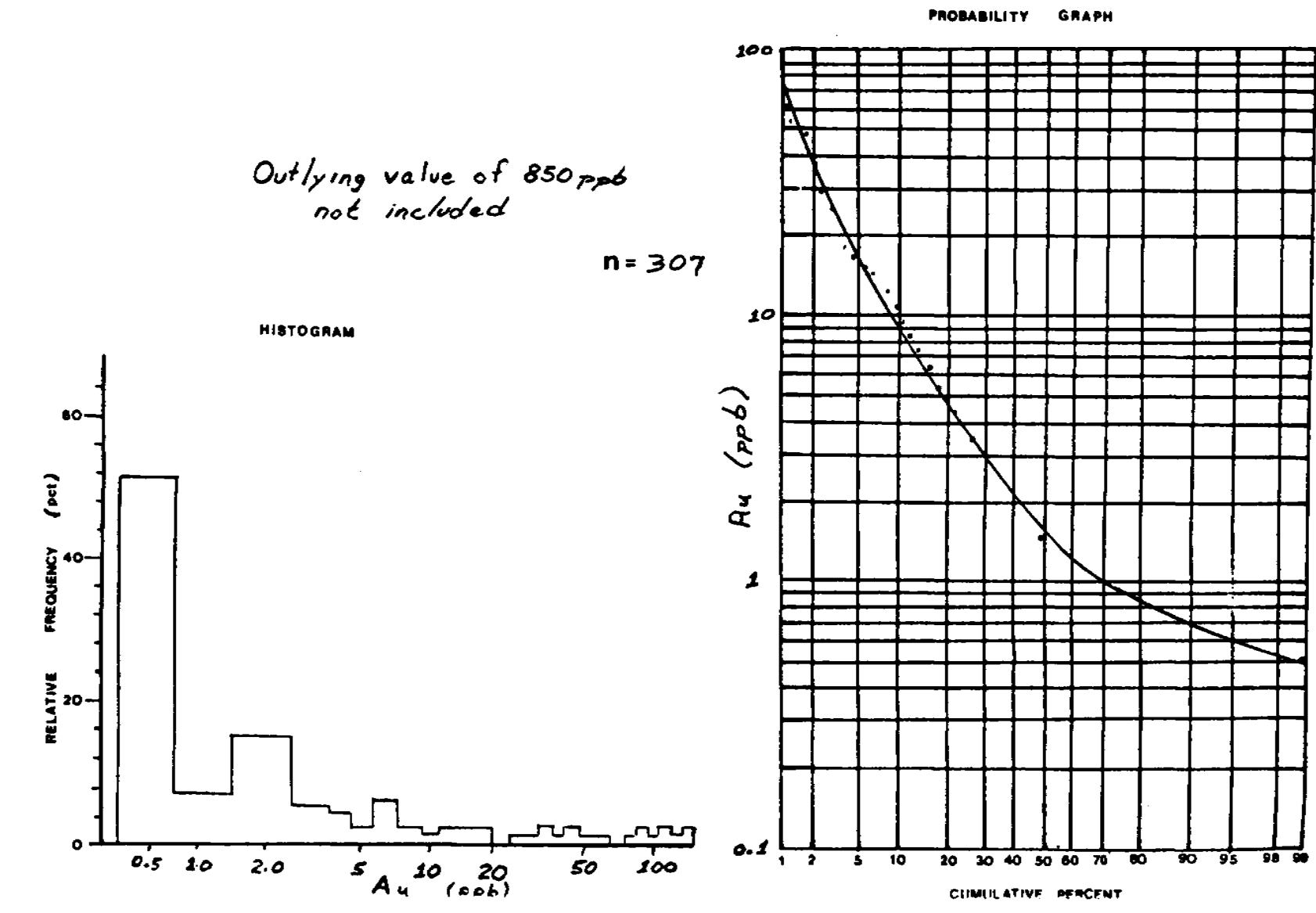
Chi-Square Test: χ^2 Degrees Freedom
 Normal 16
 Lognormal 16



1. Volcanic and Sedimentary Rocks

Background		Thresholds					
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw) (Ln)	Mean + 2 Std. Dev. (Raw) (Ln)	95th Percentile (Raw) (Ln)	95th Percentile (Ln)
4.2	12.6	0.5	0.58	1.00	1.13	29.4	13.8

Chi-Square Test: χ^2 Degrees Freedom
 Normal 475
 Lognormal 143



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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKO — TASEKO LAKES AREA**
 (920/4, S; 92/1/13; 92K/16; 92N/1)
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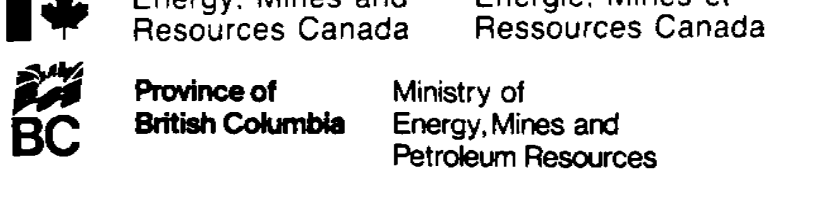
0 1 2 3 4
 KILOMETRES

MAP 3
 ARSENIC (PPM)

Nitric-aqua regia digestion followed by
 I.C.P. analysis. Detection limit = 5 ppm.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE
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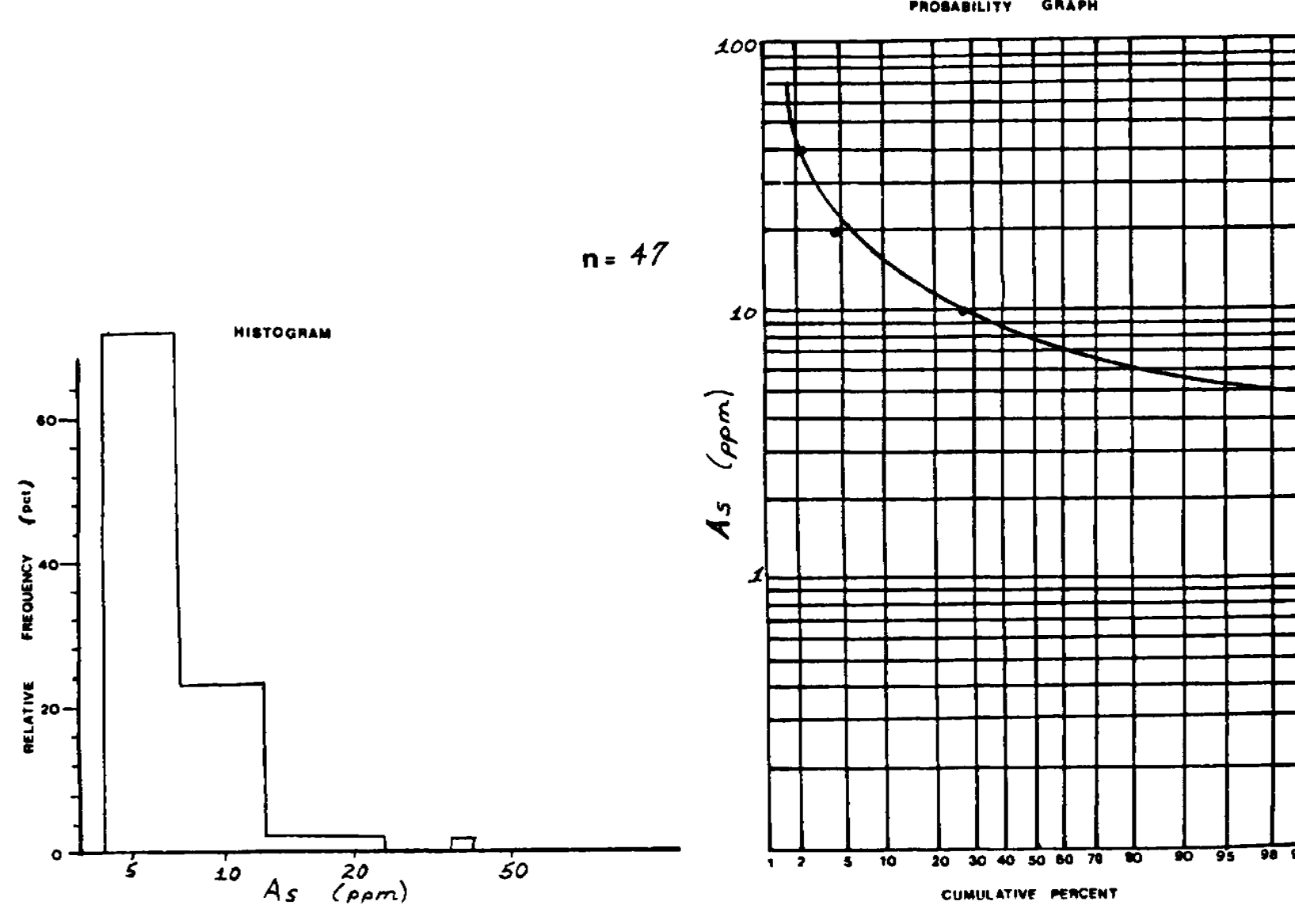


2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Raw)	95th Percentile (Ln)
7	6	5	5	10	19	10	9

Chi-Square Test: χ^2 Degrees Freedom

Normal Lognormal No Solution

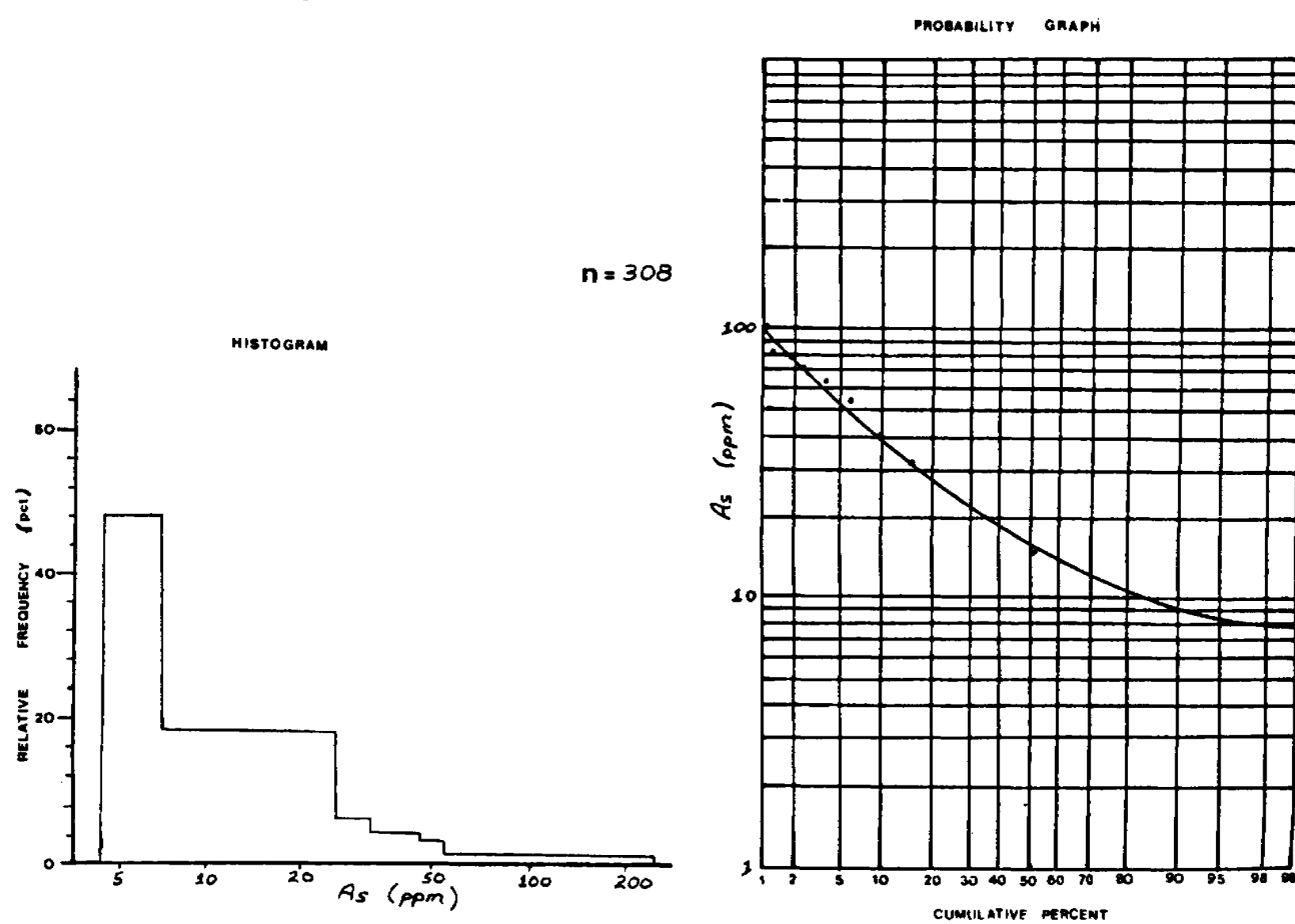


1. Volcanic and Sedimentary Rocks

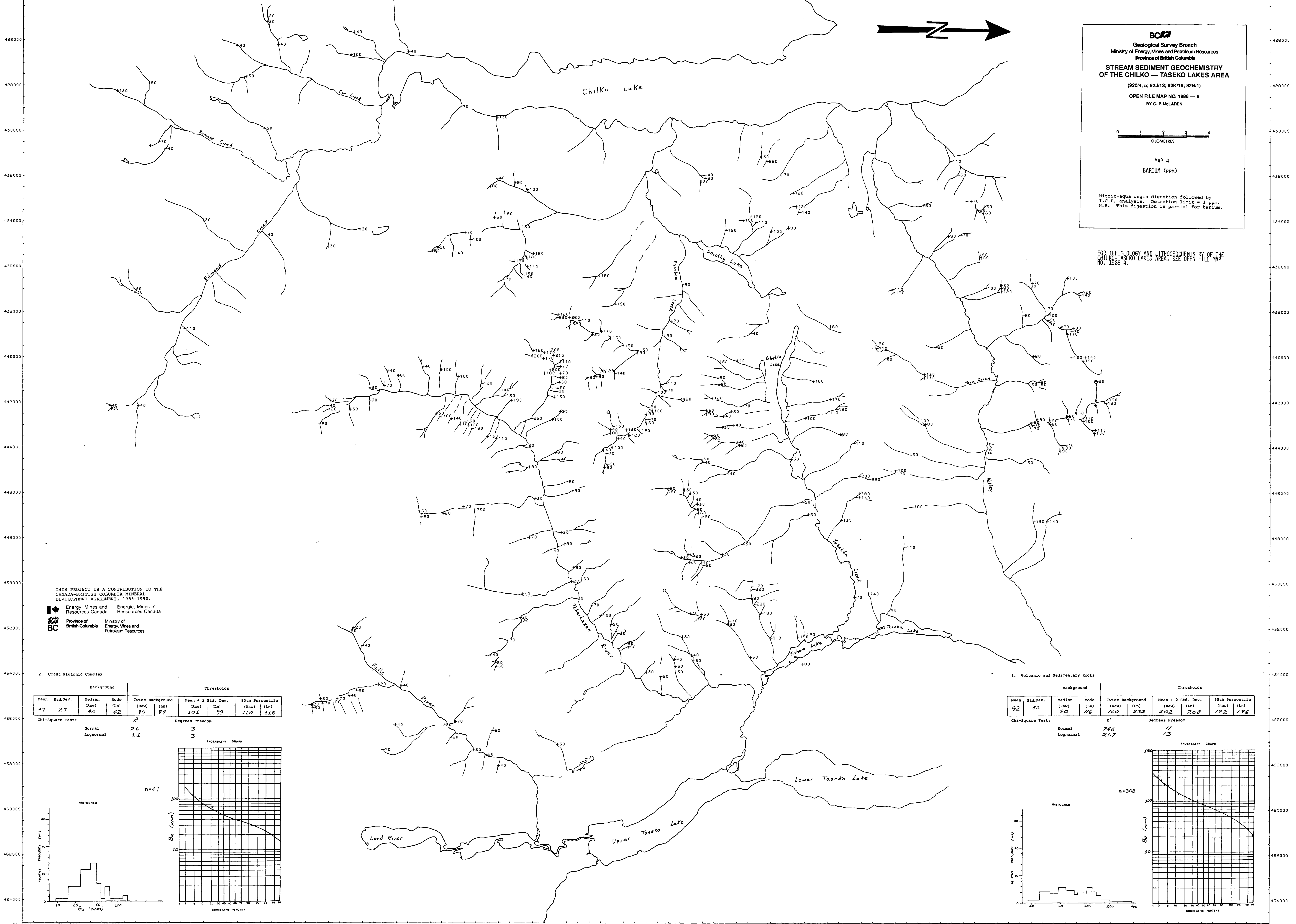
Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Raw)	95th Percentile (Ln)
16.1	22.2	10	5.4	20	60.7	50.0	49.3

Chi-Square Test: χ^2 Degrees Freedom

Normal Lognormal No Solution



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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKO - TASEKO LAKES AREA**
 (920/4, 5; 92/1/3; 92/1/6; 92/1/1)

OPEN FILE MAP NO. 1986 - 6
 BY G. P. McLAREN

0 1 2 3 4
 KILOMETRES

MAP 4
 BARIUM (PPM)

Nitric-aqua regia digestion followed by
 I.C.P. analysis. Detection limit = 1 ppm.
 N.B. This digestion is partial for barium.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE
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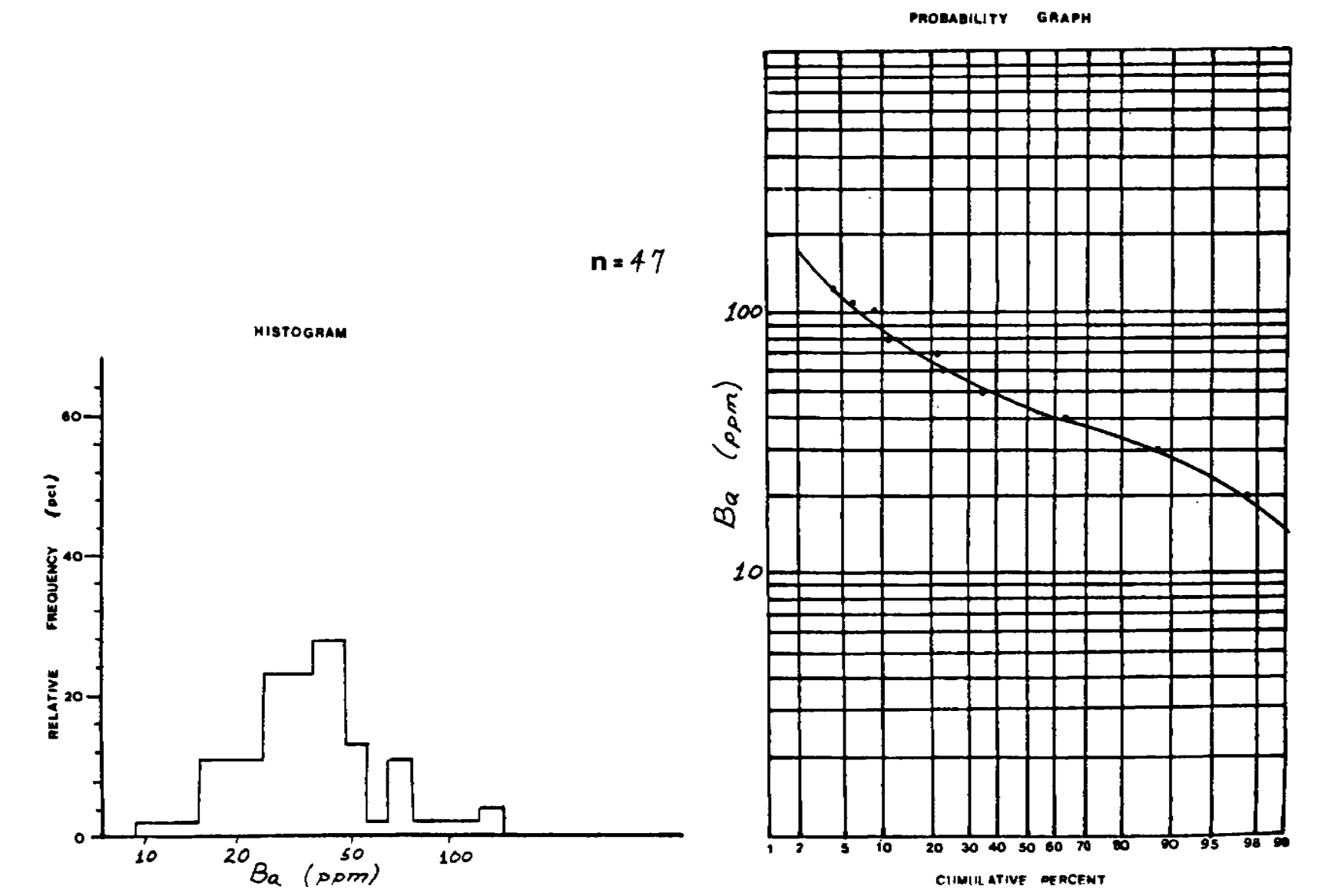
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2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	55th Percentile (Raw)	95th Percentile (Ln)
47	27	70	42	80	87	104	118

Chi-Square Test: χ^2 Degrees Freedom

Normal	2.6	3
Lognormal	1.1	3

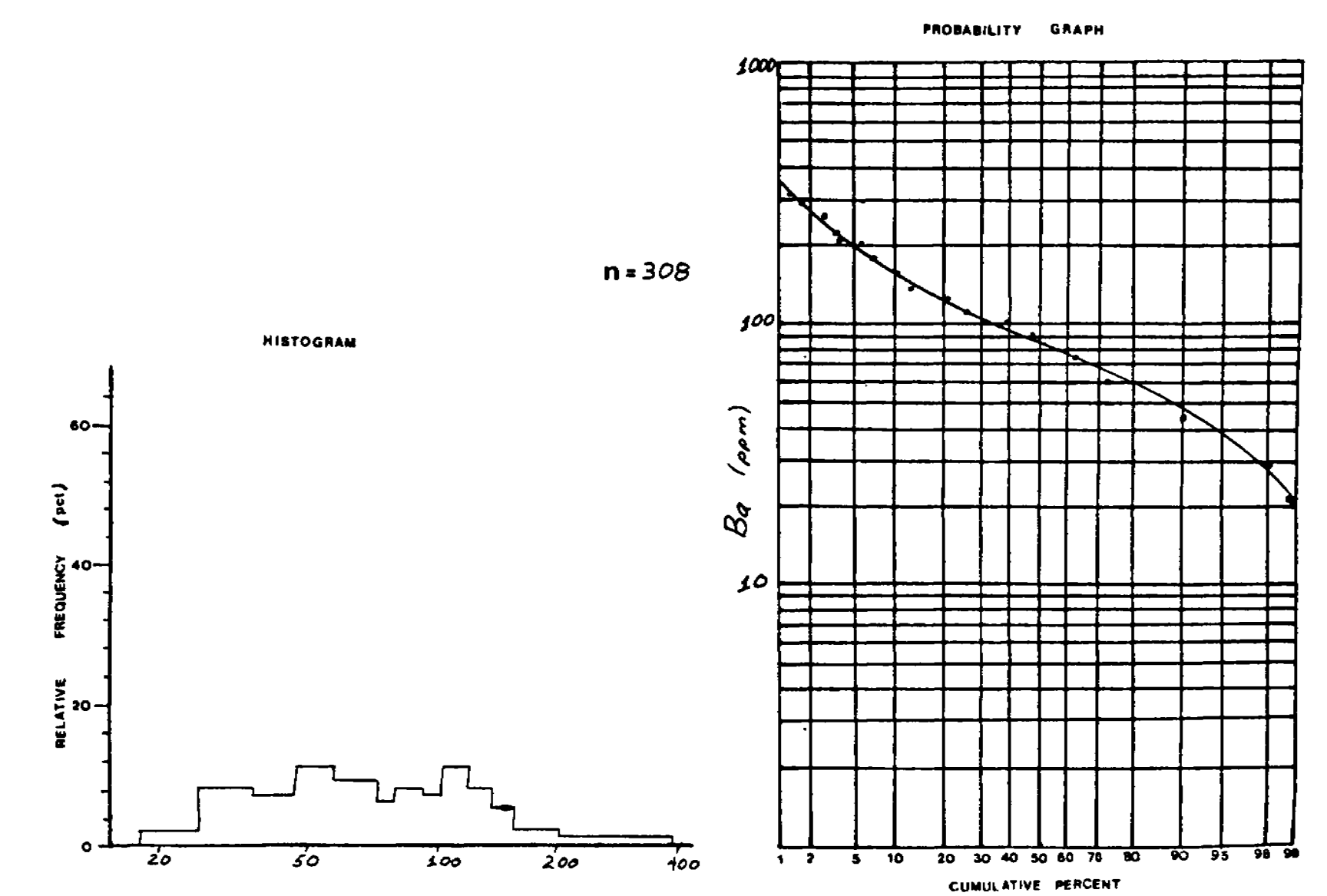


1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	55th Percentile (Raw)	95th Percentile (Ln)
92	55	80	116	140	232	202	196

Chi-Square Test: χ^2 Degrees Freedom

Normal	2.6	11
Lognormal	21.7	13



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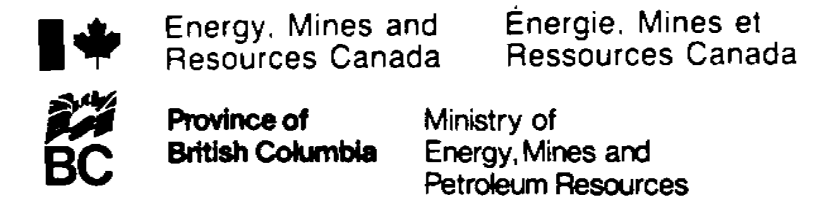
0 1 2 3 4
 KILOMETRES

MAP 5
 COBALT (PPM)

Nitric-squa regia digestion followed by I.C.P.
 analysis. Detection limit = 1 ppm.

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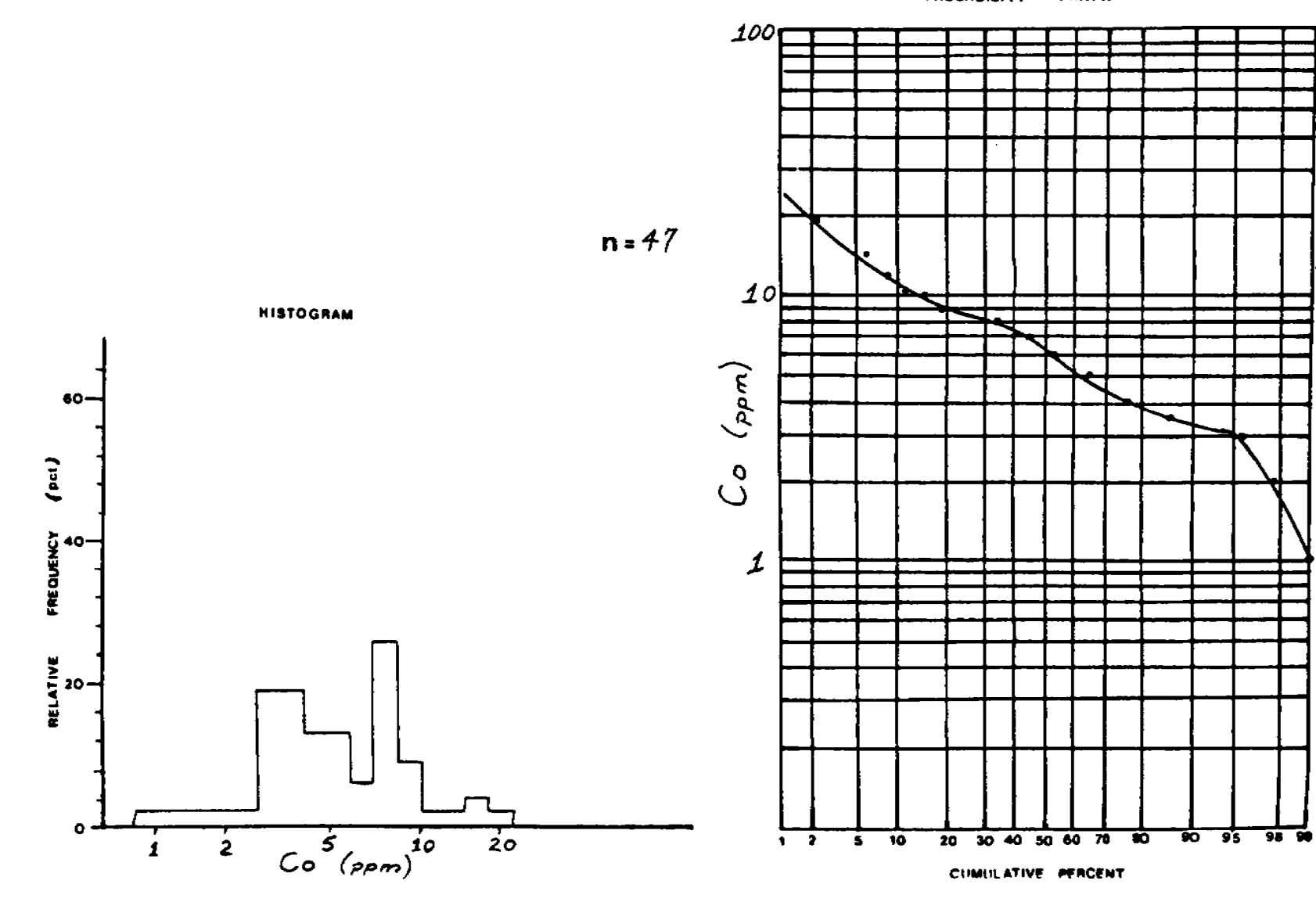
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2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std.Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
6	4	6	8	12	14	14	17

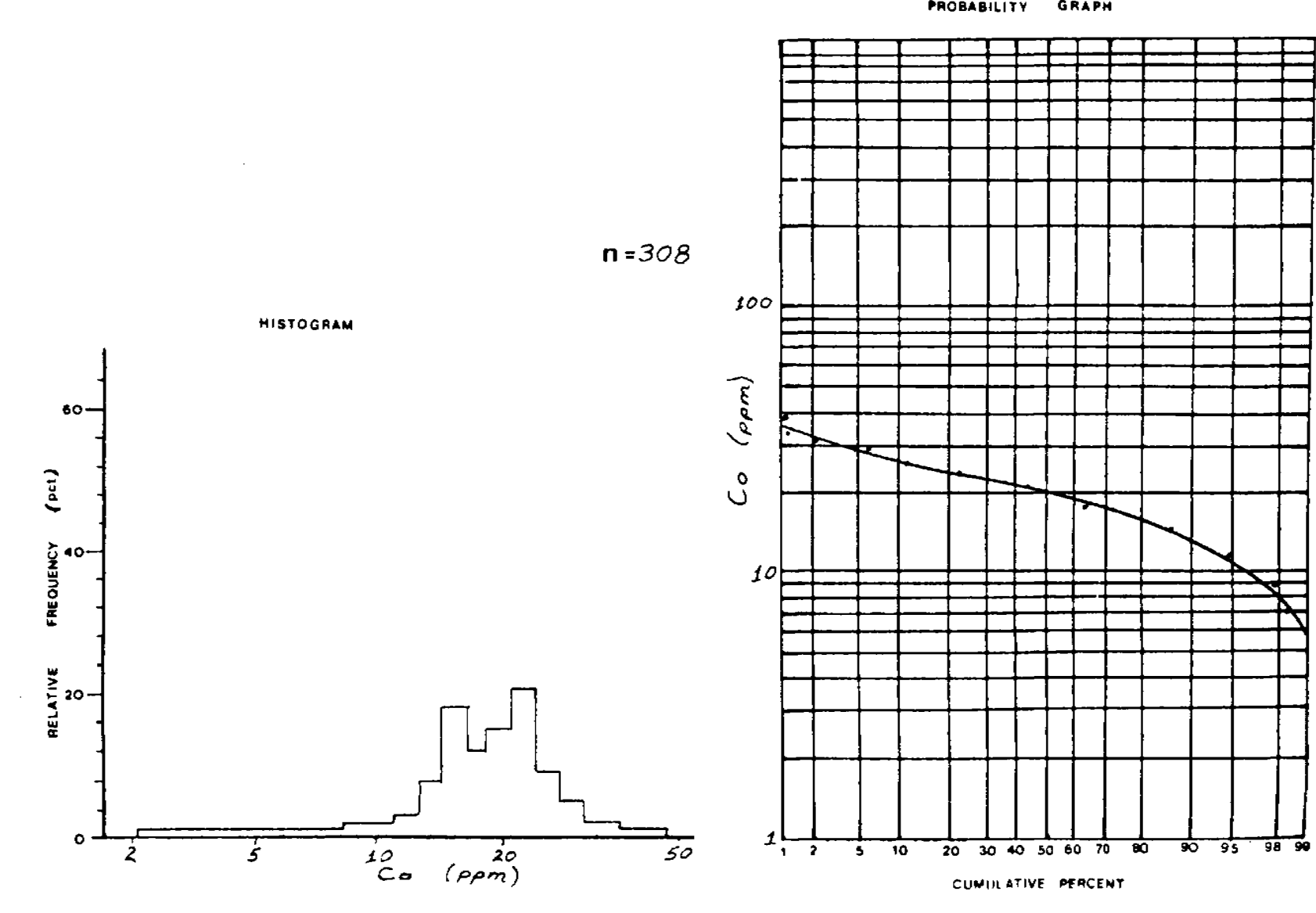
Chi-Square Test: χ^2 Degrees Freedom
 Normal 3.6 4
 Lognormal 4.6 3



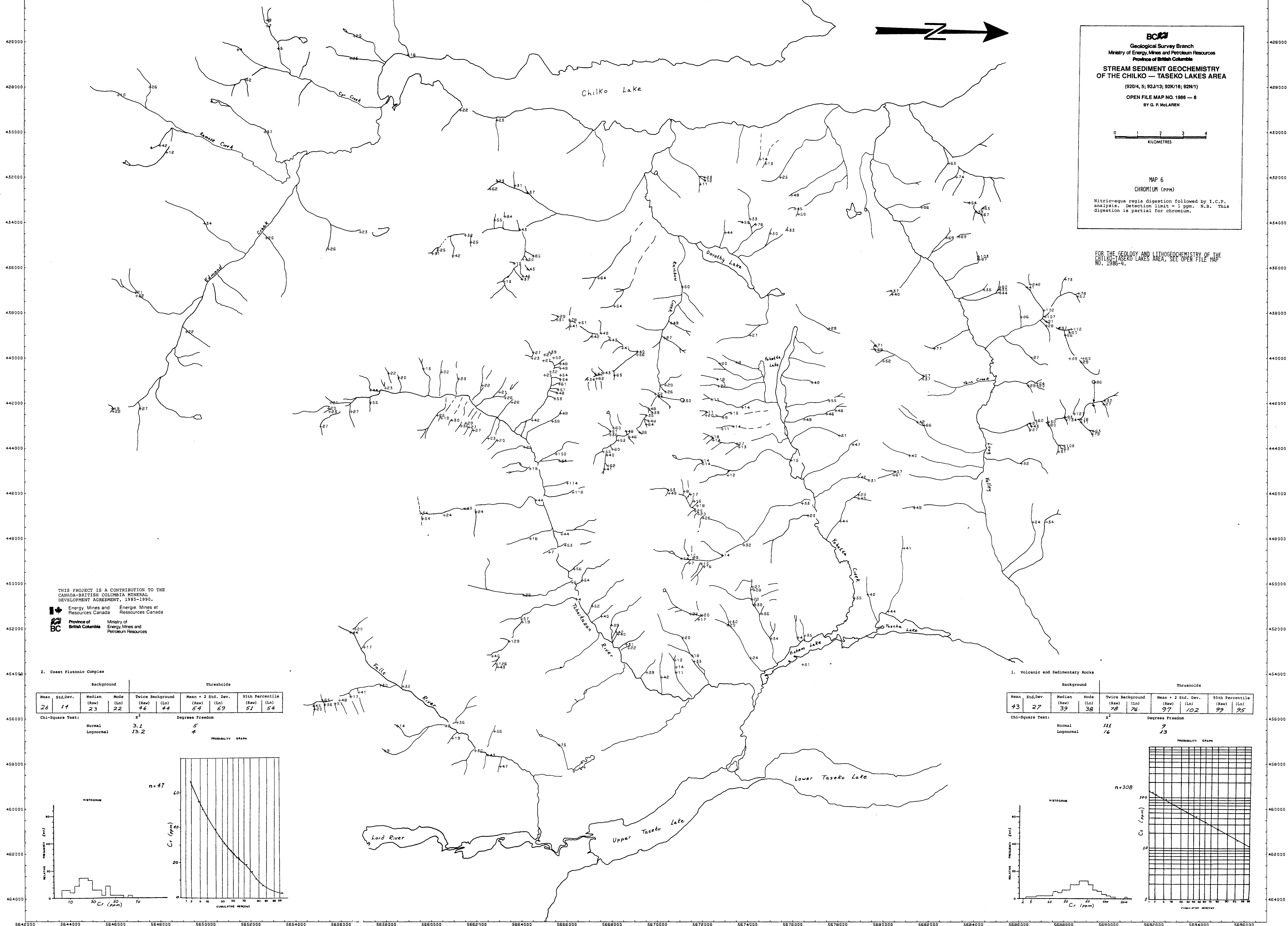
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std.Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
19	5.8	19	22	38	44	30	28

Chi-Square Test: χ^2 Degrees Freedom
 Normal 51 13
 Lognormal 110 10



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 (920/4, 5; 92U/13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1988 - 6
 BY G. P. MCLAREN

0 1 2 3 4
 KILOMETRES

MAP 6
 CHROMIUM (PPM)

Nitric-aqua regia digestion followed by J.C.P. analysis. Detection limit = 1 ppm. N.B. This digestion is partial for chromium.

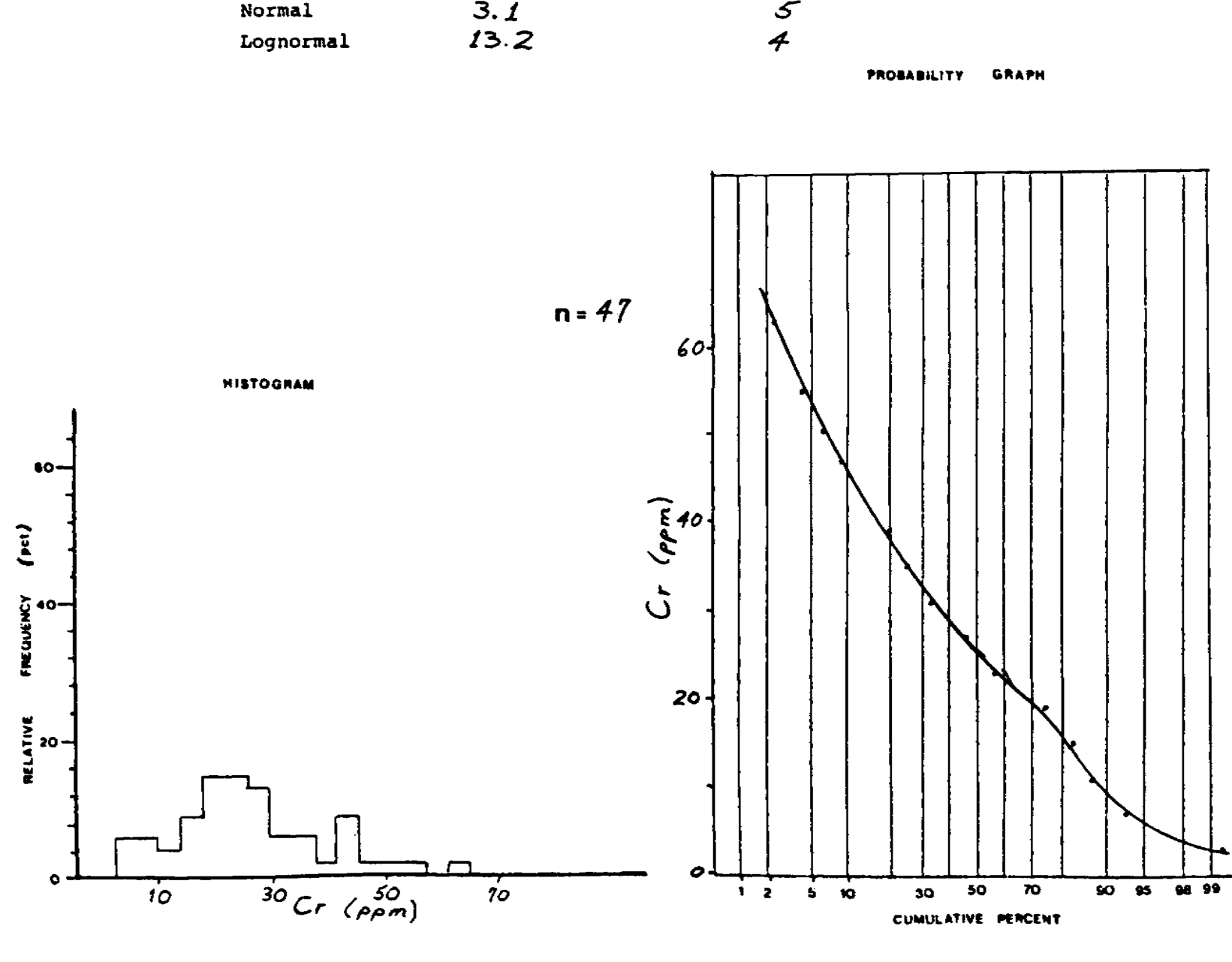
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2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
26	17	23	22	46	44	54	54

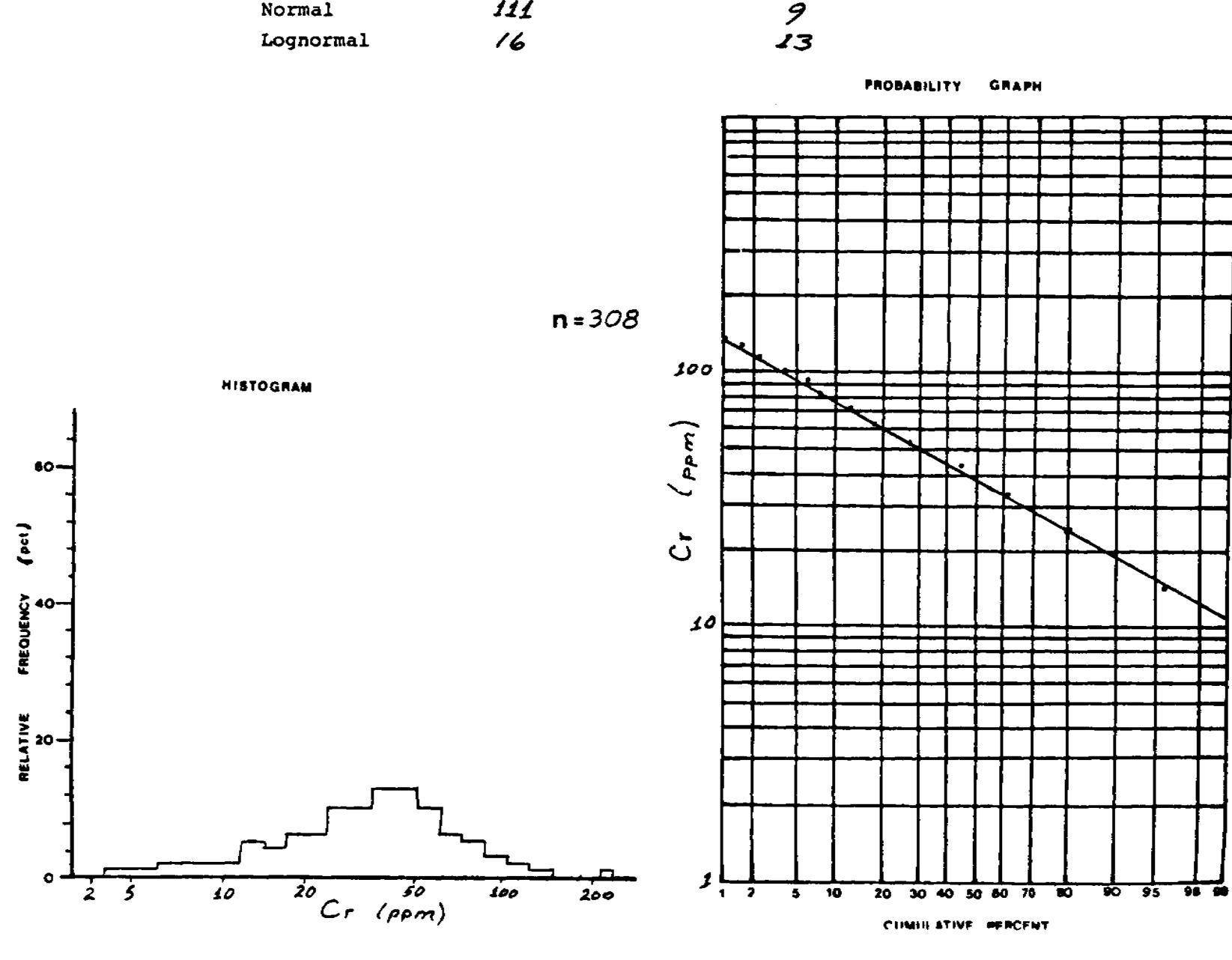
Chi-Square Test: χ^2 3.1, Degrees Freedom 5
 Normal Lognormal 13.2 4



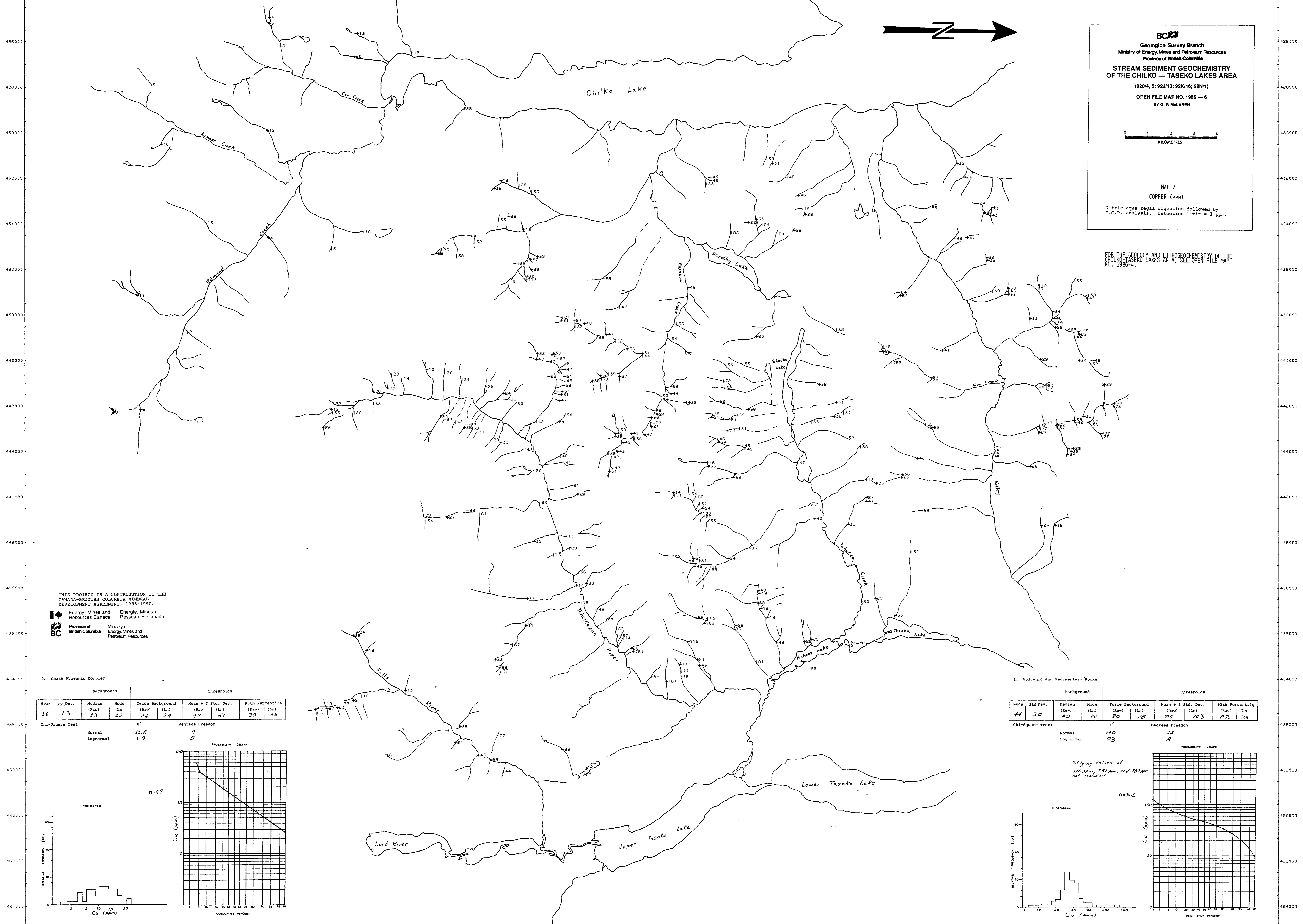
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
43	27	39	38	78	76	97	95

Chi-Square Test: χ^2 111, Degrees Freedom 9
 Normal Lognormal 16 13



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 OF THE CHILKO — TASEKO LAKES AREA**
 (920/4, 5; 92/13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 — 6
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0 1 2 3 4
KILOMETRES

MAP 7
COPPER (ppm)

Nitric-aqua regia digestion followed by
I.C.P. analysis. Detection limit = 1 ppm.

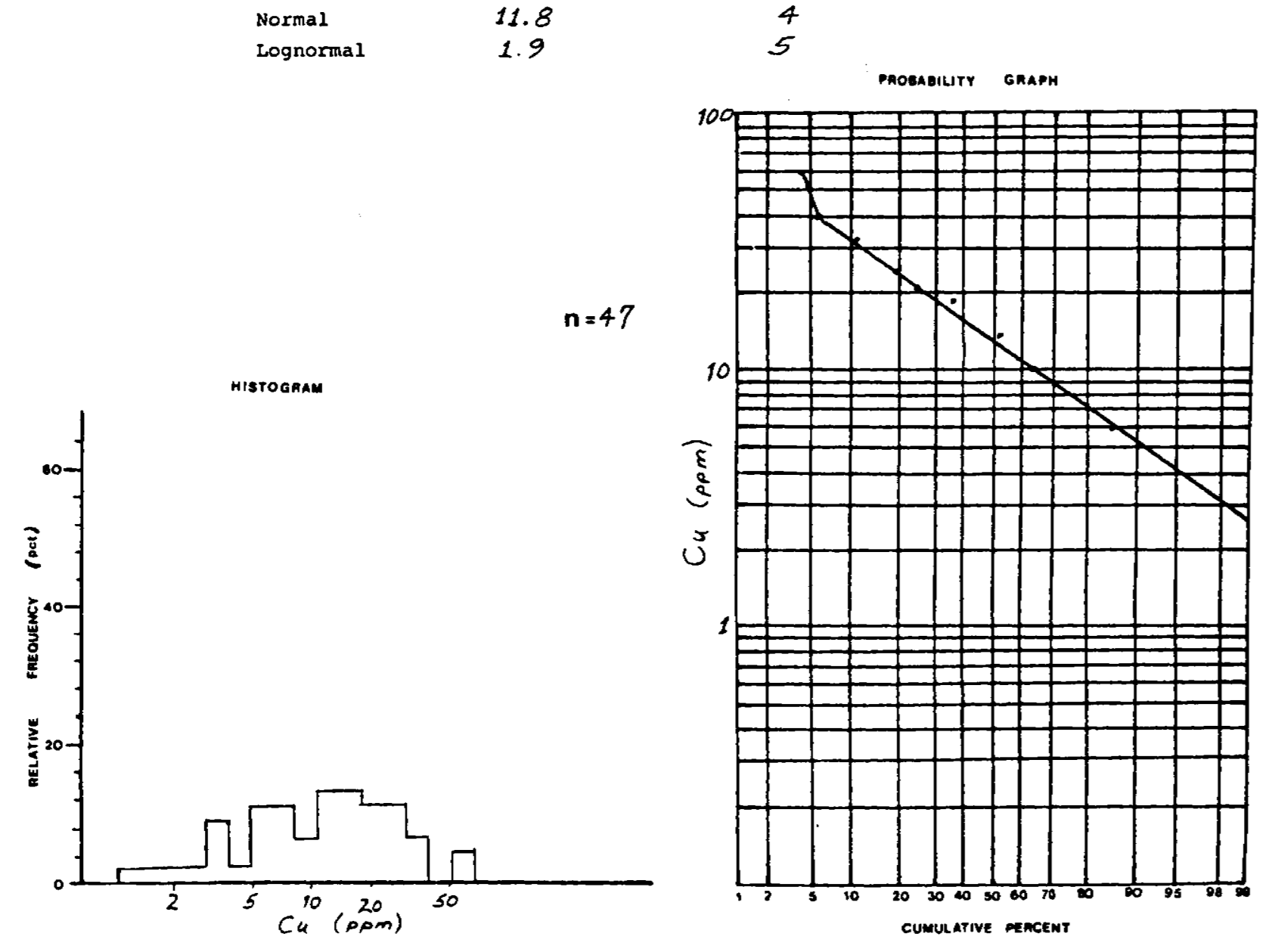
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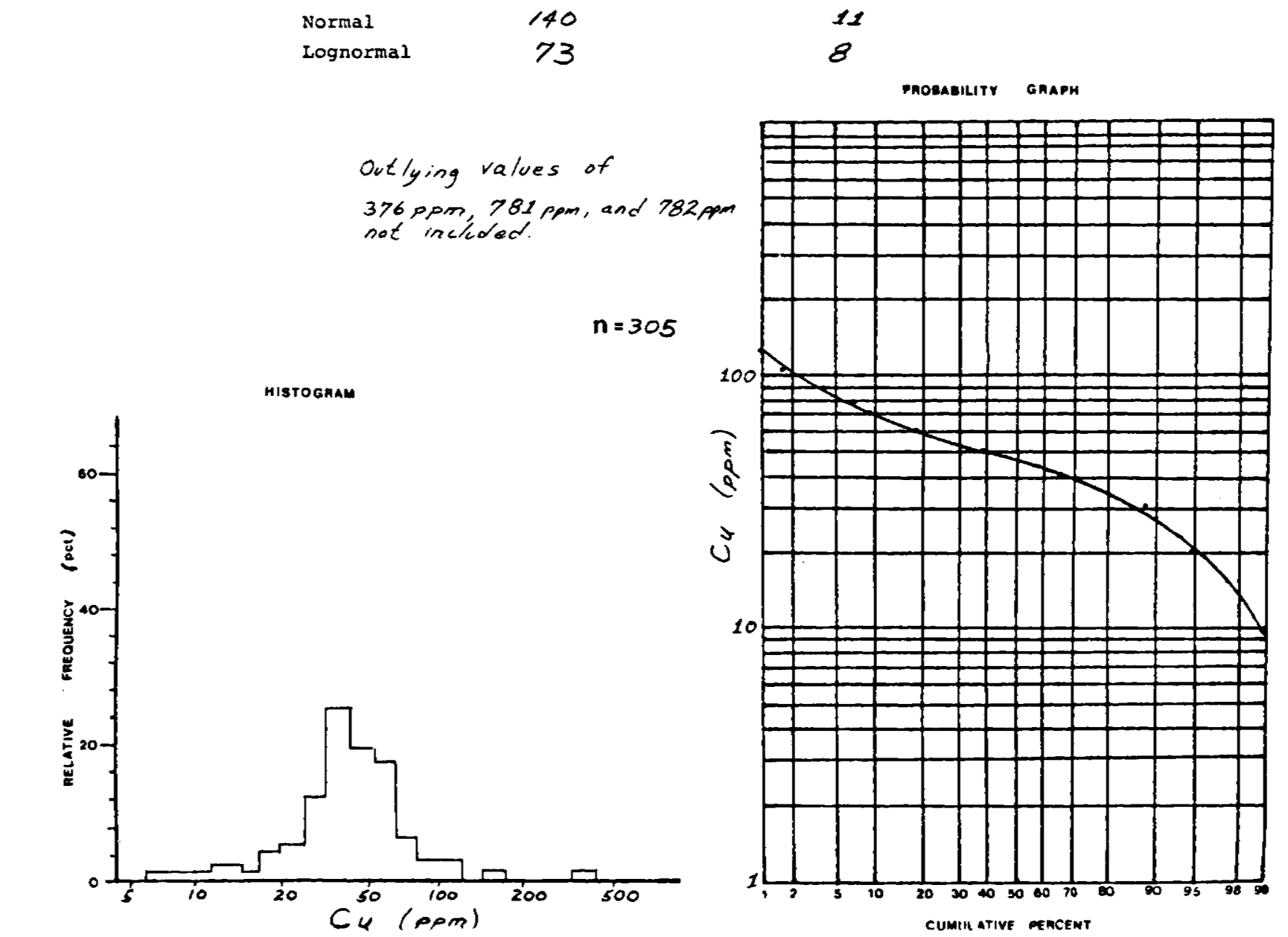
2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
16	13	13	12	26	24	22	21
Chi-Square Test:				Degrees Freedom			
Normal				4			
Lognormal				5			



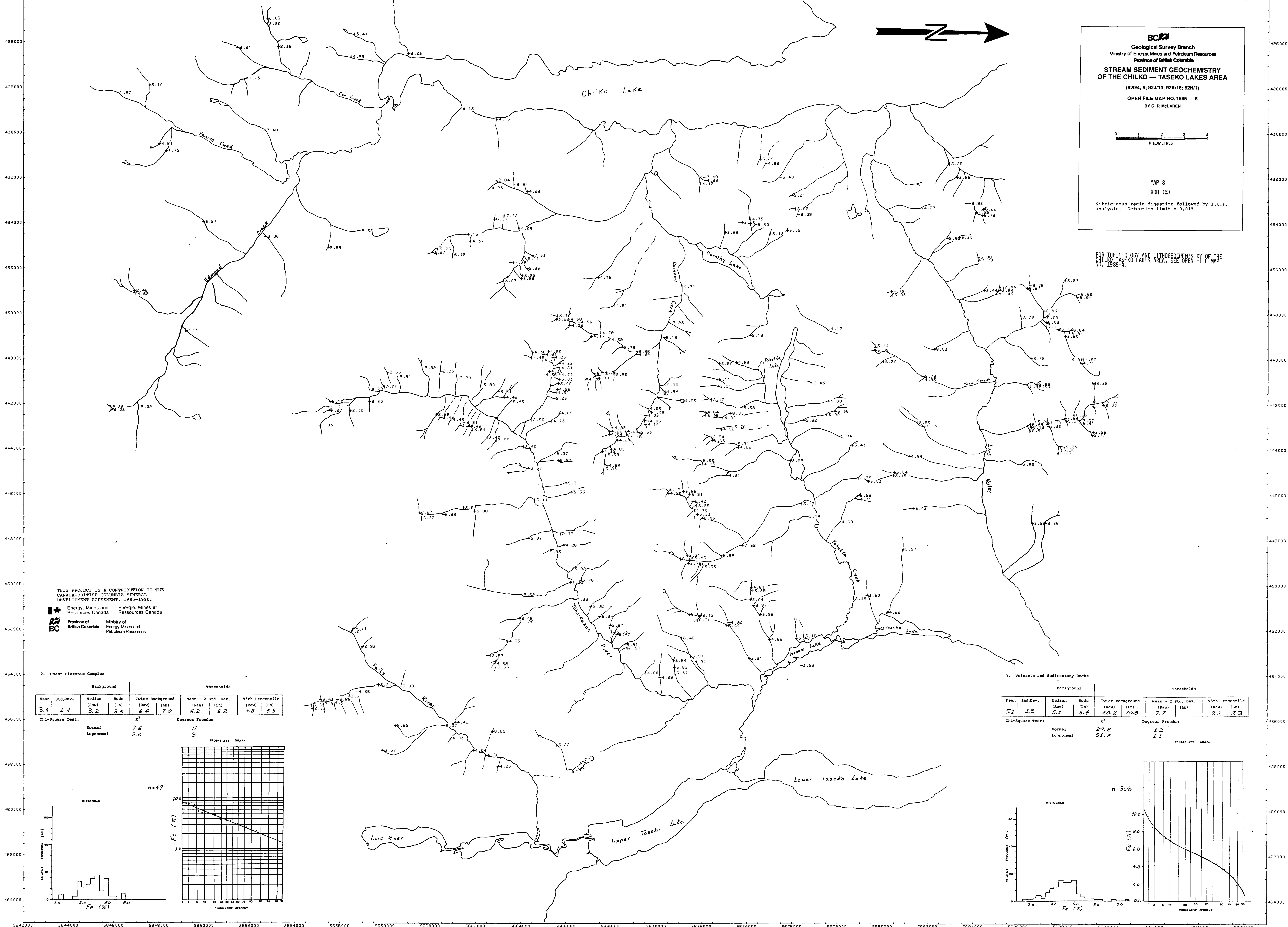
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
44	20	40	39	90	79	82	75
Chi-Square Test:				Degrees Freedom			
Normal				140			
Lognormal				73			



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 OF THE CHILKO - TASEKO LAKES AREA**
 (9204, 5; 92J13; 92K16; 92N1)

OPEN FILE MAP NO. 1986 - 6
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0 1 2 3 4
 KILOMETRES

MAP 8
 IRON (%)

Nitric-aqua regia digestion followed by I.C.P.
 analysis. Detection limit = 0.01%.

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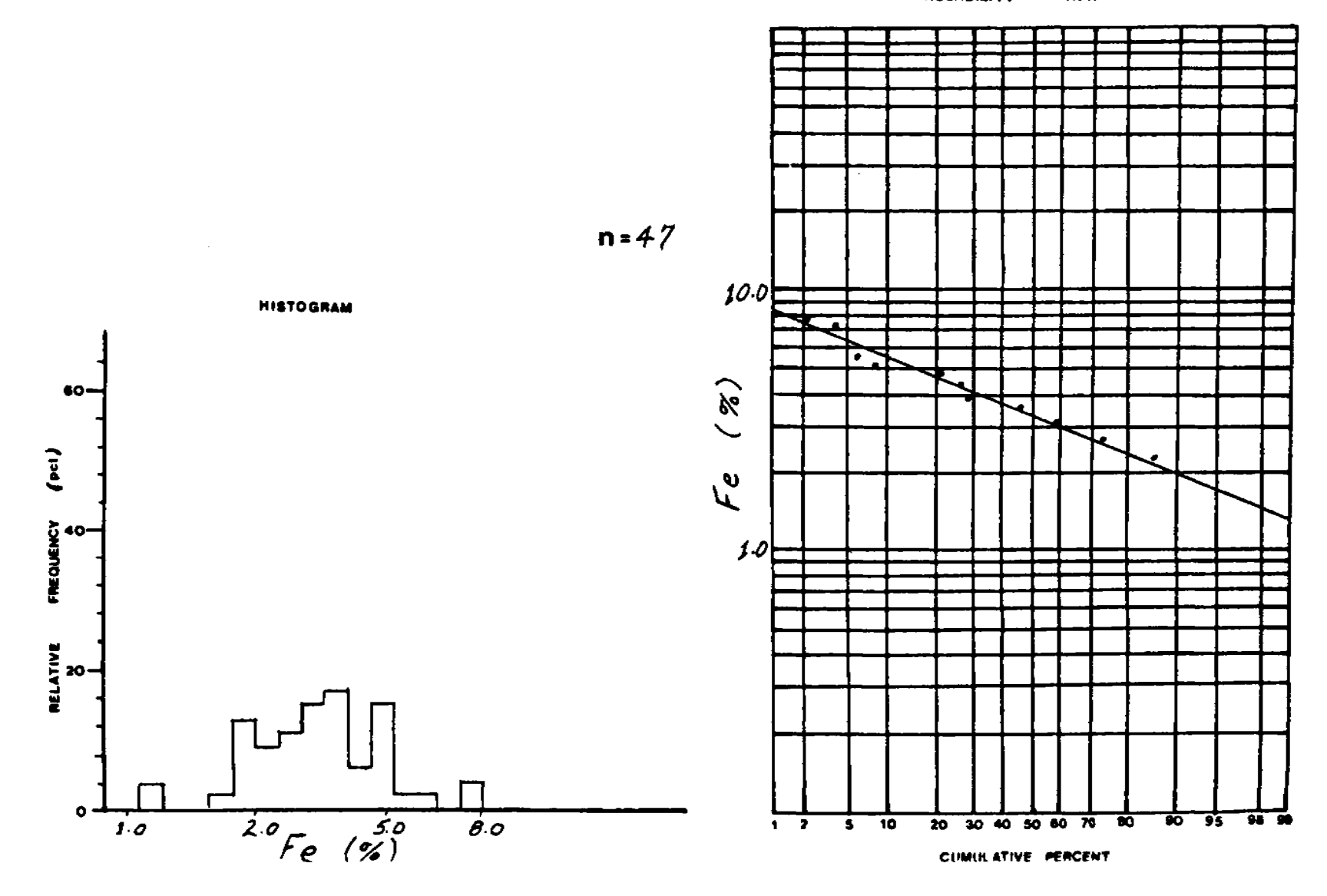
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2. Coast Plutonic Complex

Background		Thresholds				
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Ln)
3.4	1.4	3.2	3.5	6.4	7.0	5.8

Chi-Square Test: χ^2 Degrees Freedom

Normal	7.6	5
Lognormal	2.0	3

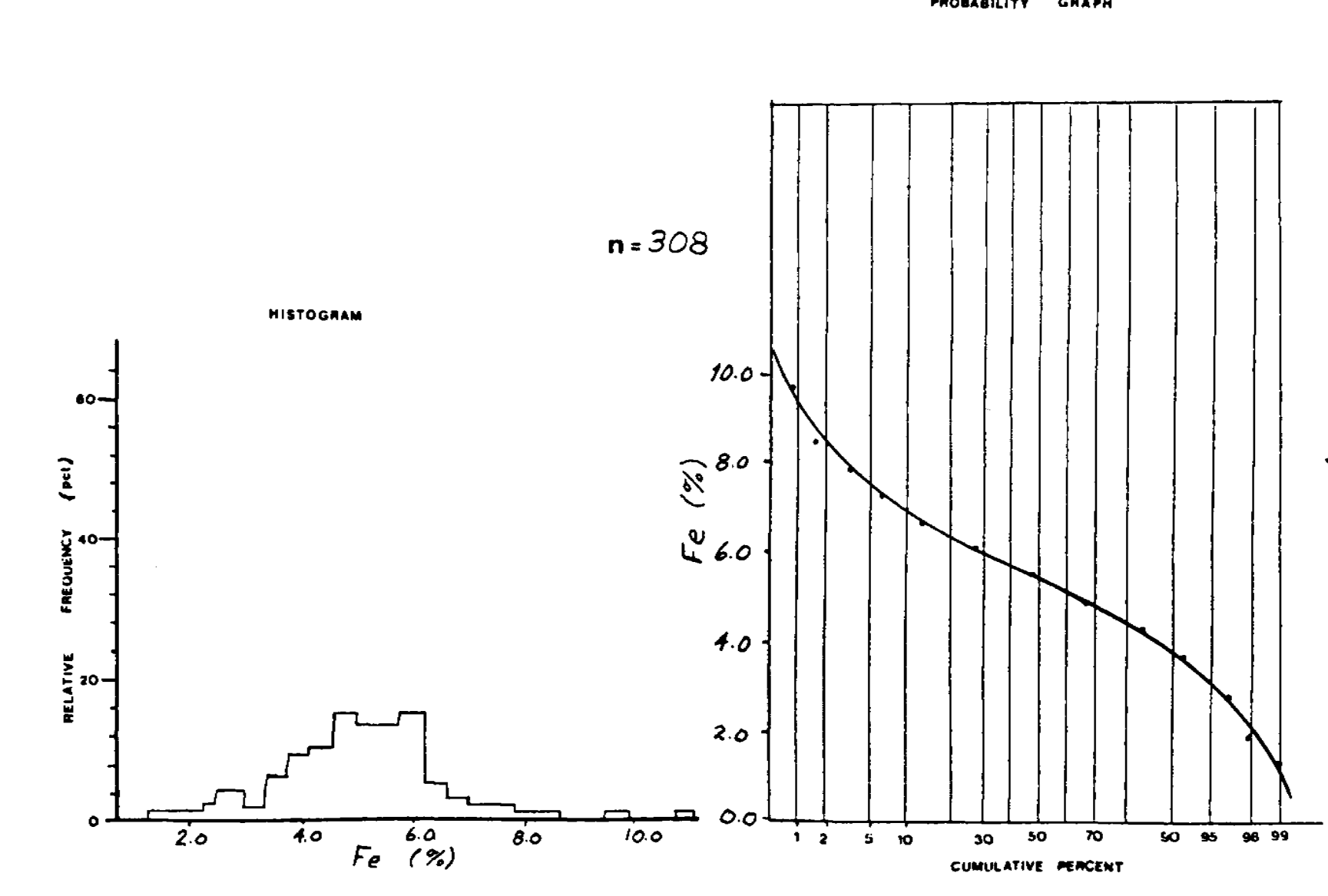


1. Volcanic and Sedimentary Rocks

Background		Thresholds				
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Ln)
5.1	1.3	5.1	5.4	10.2	10.8	7.7

Chi-Square Test: χ^2 Degrees Freedom

Normal	27.8	12
Lognormal	51.5	11



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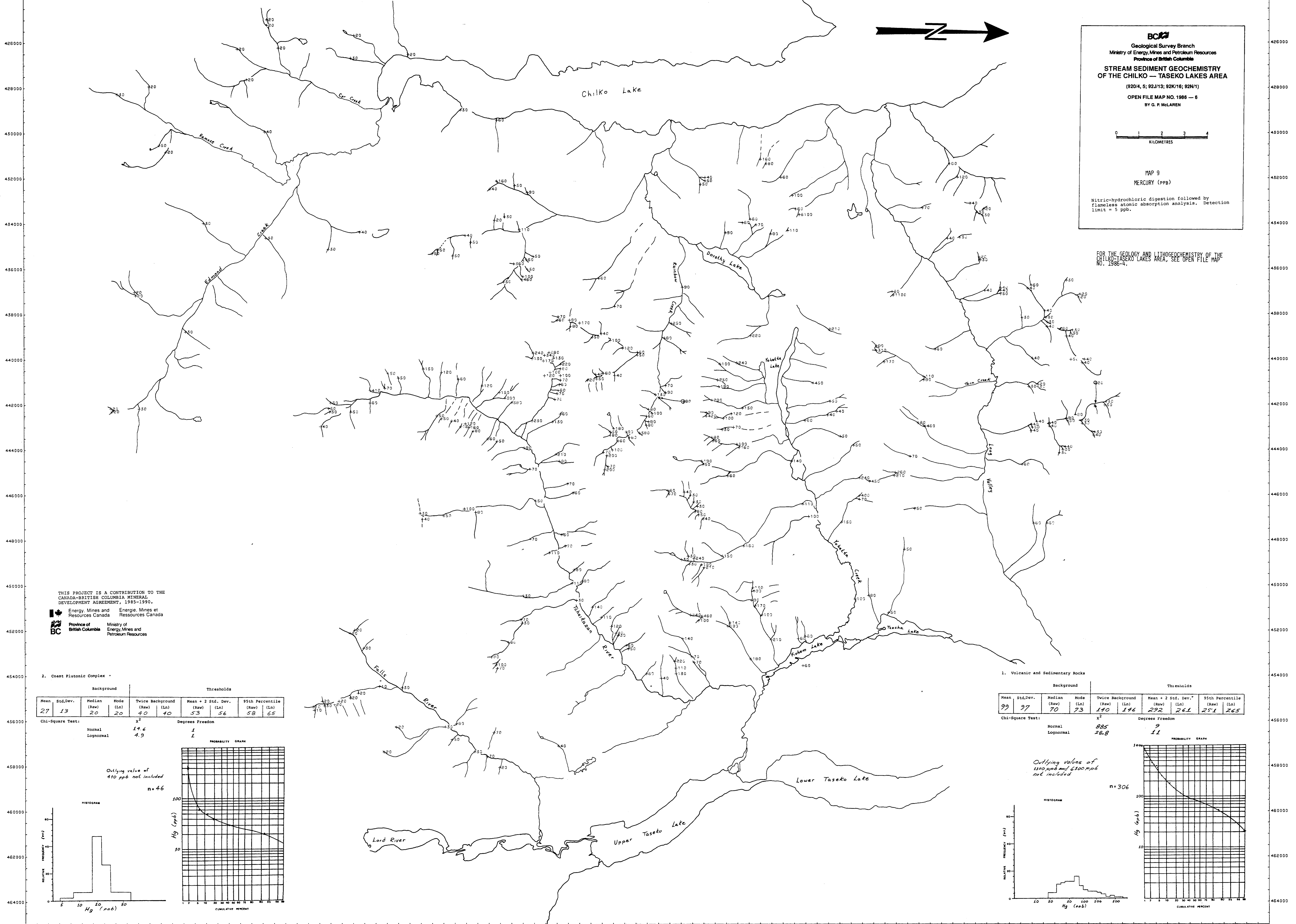
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 (920°4, 5; 92°13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 — 6
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0 1 2 3 4
 KILOMETRES

MAP 9
 MERCURY (PPB)

Nitric-hydrochloric digestion followed by
 flameless atomic absorption analysis. Detection
 limit = 5 ppb.

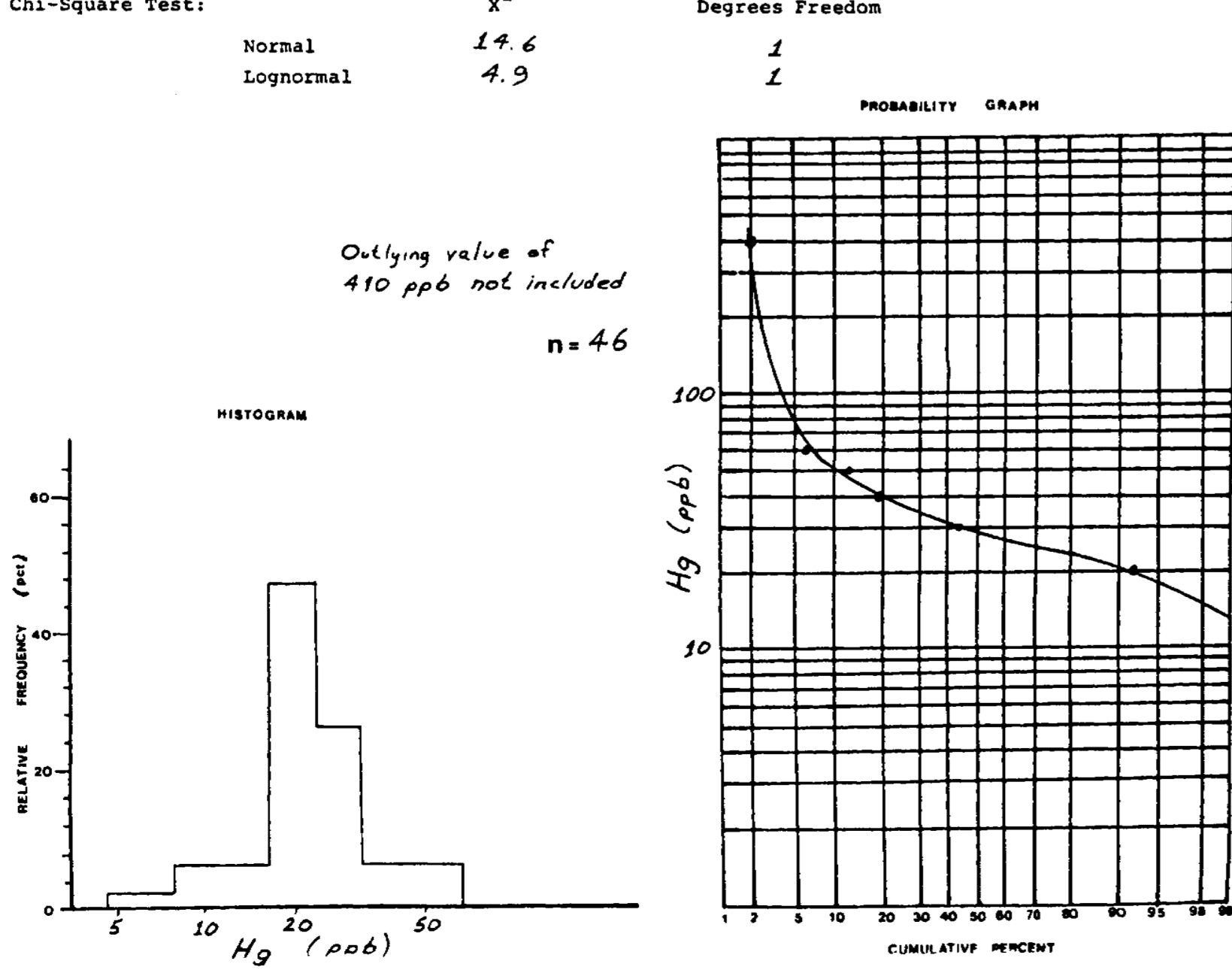
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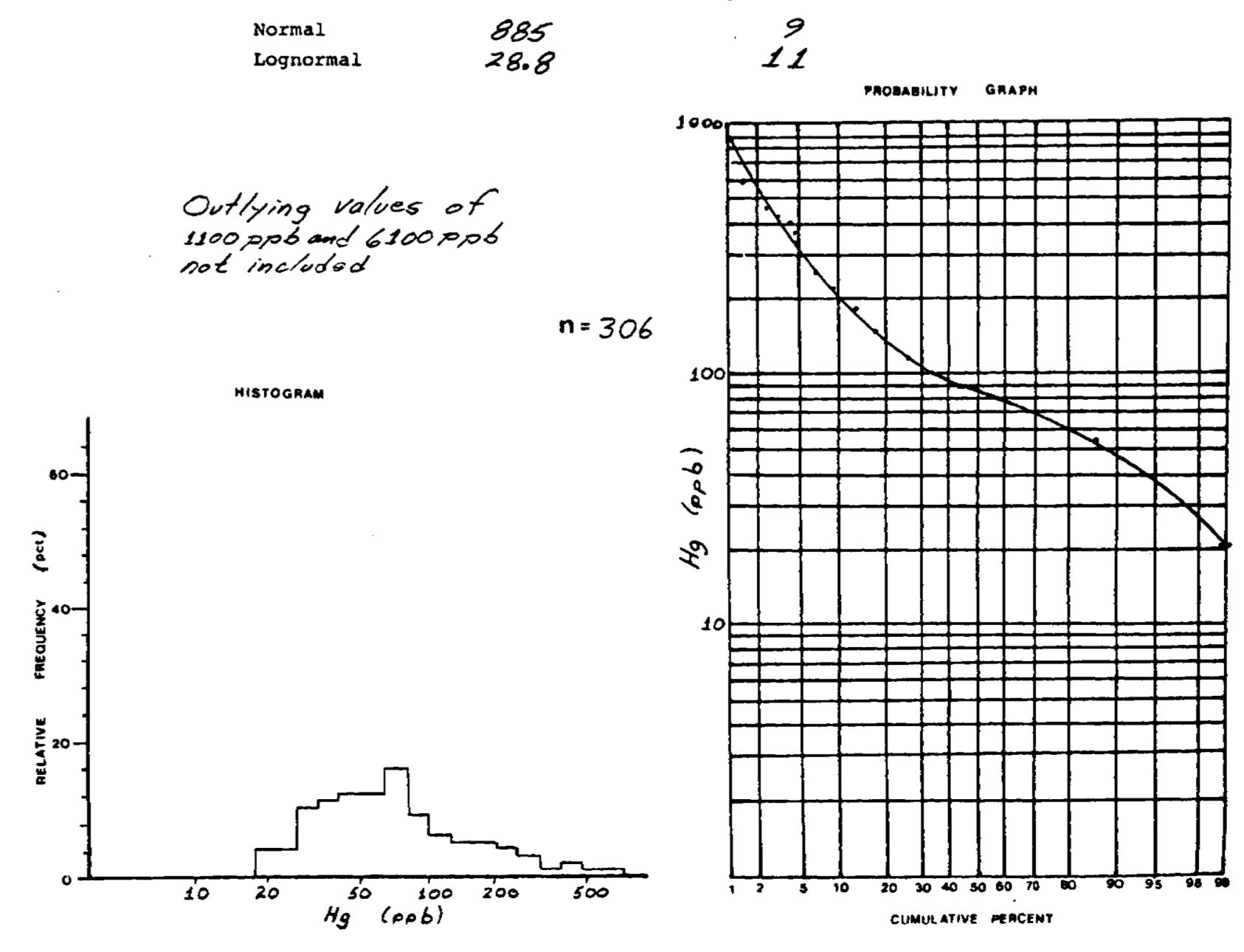
2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Ln)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
27	13	20	20	40	40	53	56
Chi-Square Test:				Degrees Freedom			
Normal				1			
Lognormal				1			

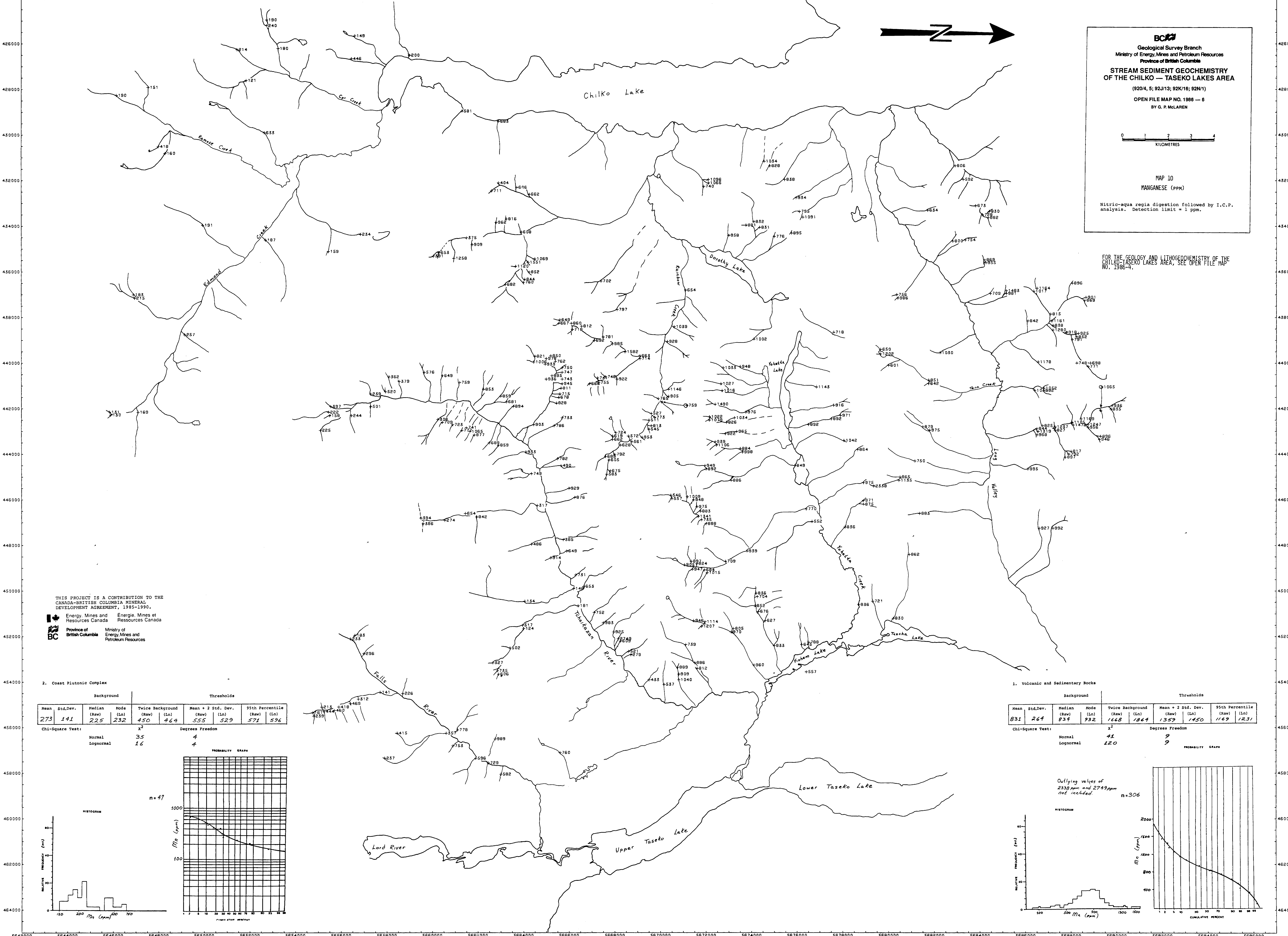


1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Ln)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
99	97	70	73	190	196	292	261
Chi-Square Test:				Degrees Freedom			
Normal				9			
Lognormal				9			



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 (920/4, S; 92J/13; 92K/16; 92N/1)

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MAP 10
 MANGANESE (PPM)

Nitric-aqua regia digestion followed by I.C.P. analysis. Detection limit = 1 ppm.

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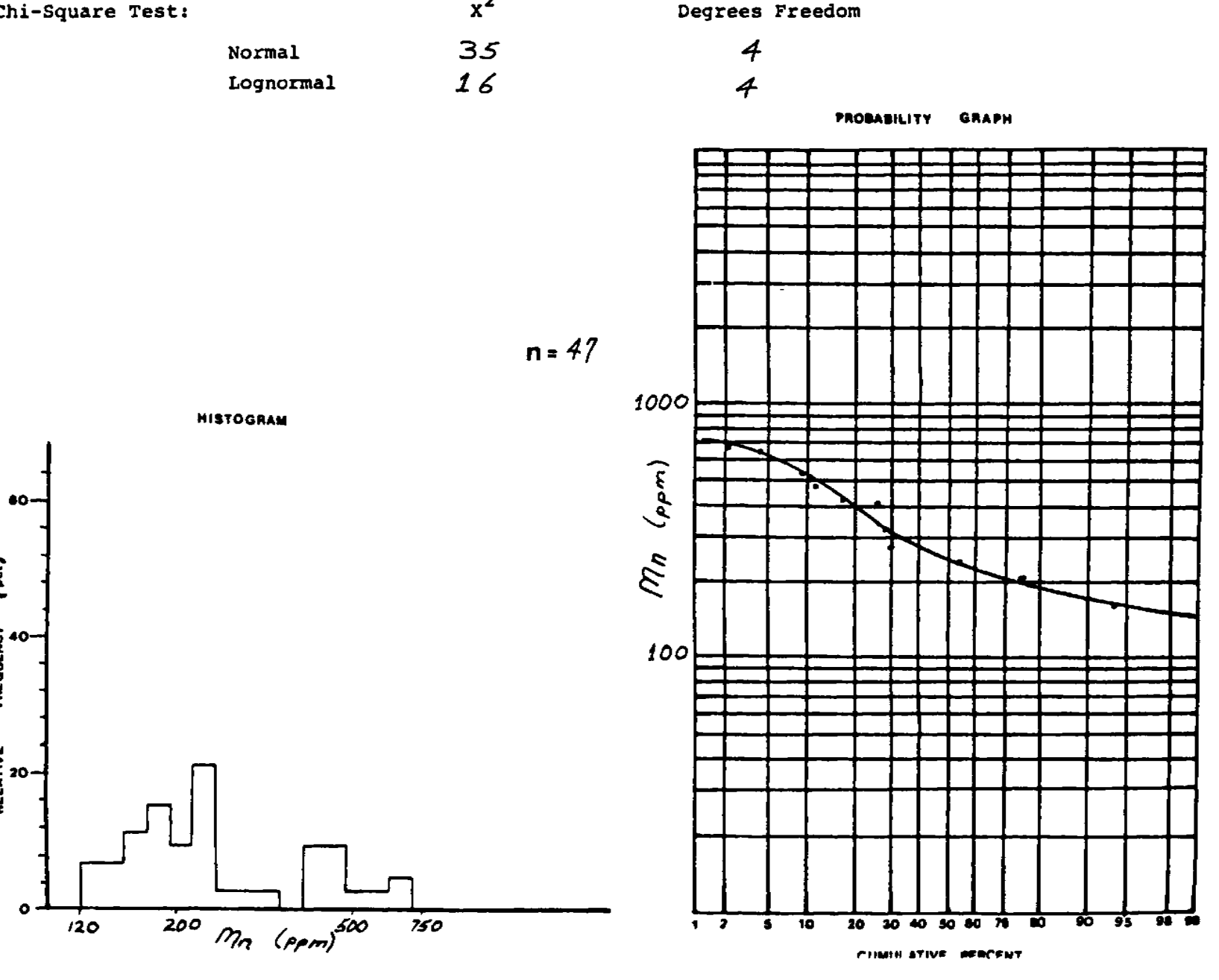
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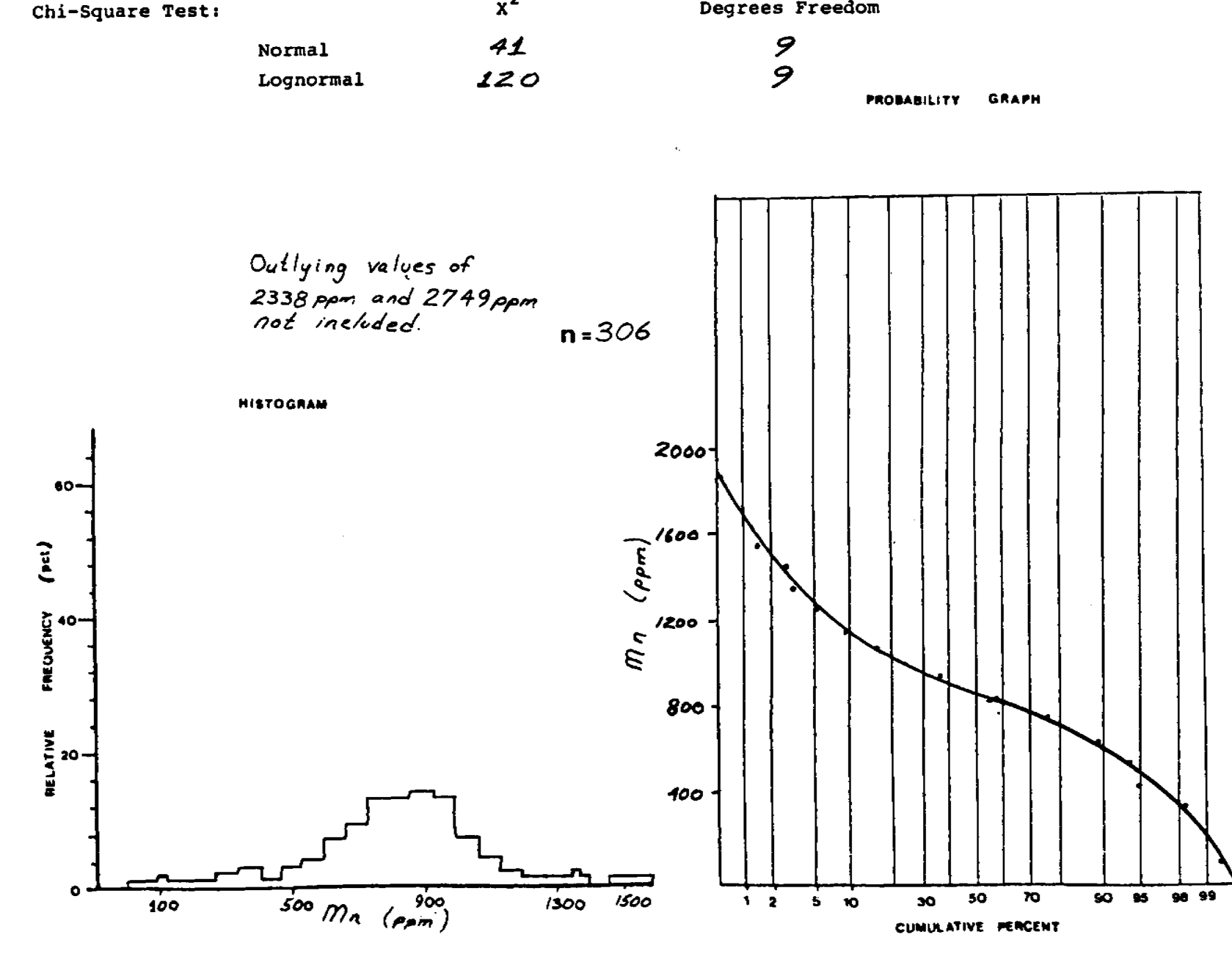
2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	(Ln)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Ln)
273	141	225	232	450	464	555	571
Chi-Square Test:				Degrees Freedom			
Normal				35			
Lognormal				16			




1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	(Ln)	Mean + 2 Std. Dev. (Raw)	95th Percentile (Ln)
831	264	834	932	1668	1864	1357	1450
Chi-Square Test:				Degrees Freedom			
Normal				41			
Lognormal				120			



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 Province of British Columbia


STREAM SEDIMENT GEOCHEMISTRY

OF THE CHILKO — TASEKO LAKES AREA

 (9204, 5; 92J13; 92K16; 92N1)

 OPEN FILE MAP NO. 1986 — 6

 BY G. P. McLAREN



KILOMETRES

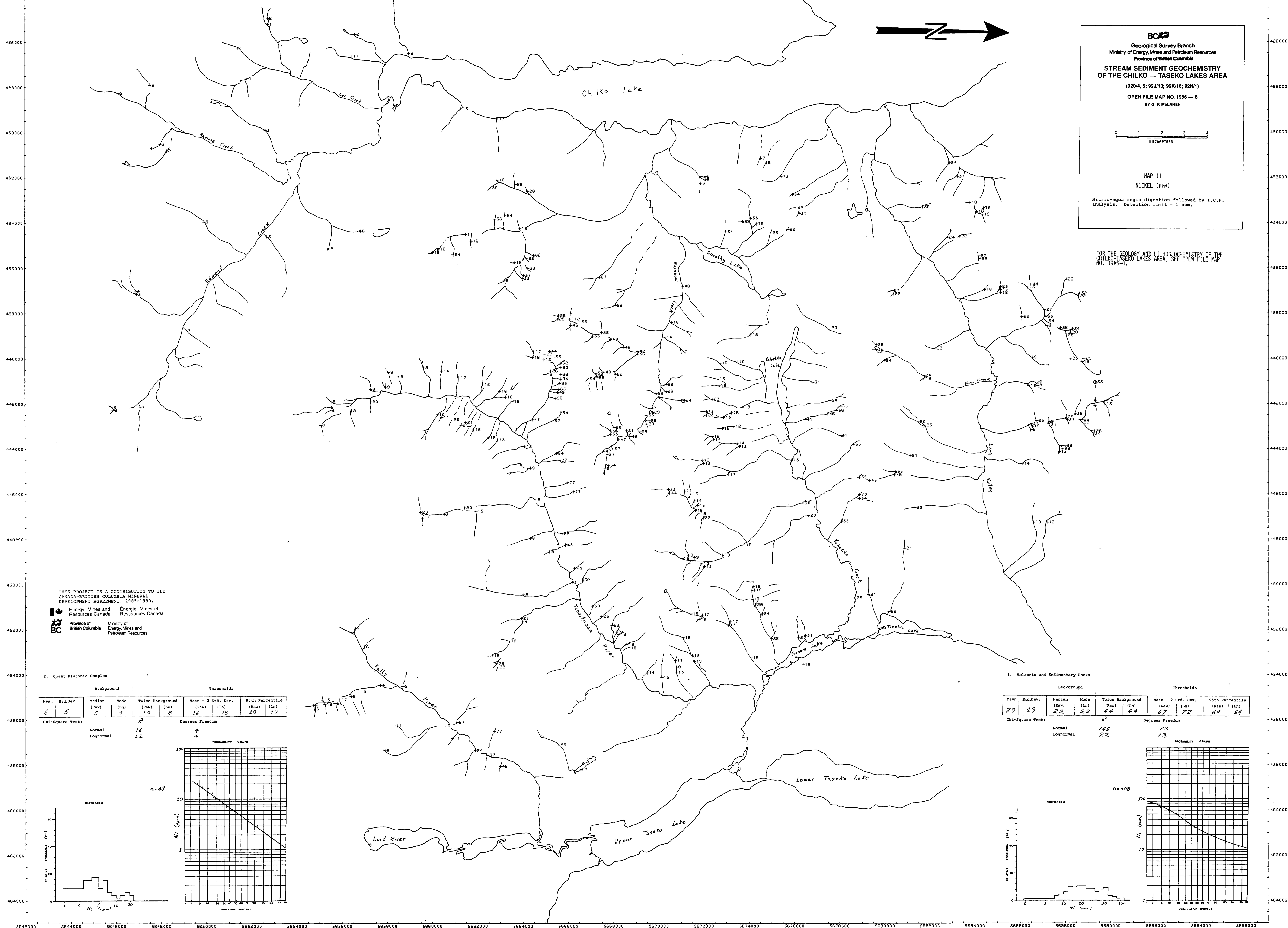
MAP 11

 NICKEL (PPM)

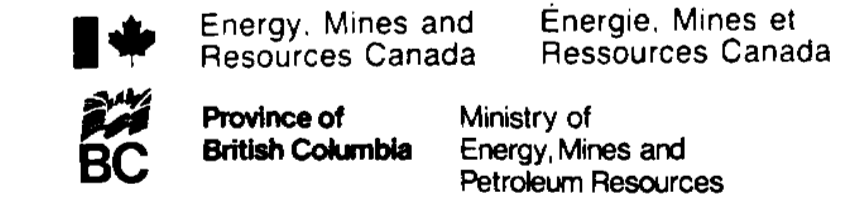
Nitric-acqua regia digestion followed by I.C.P.

 analysis. Detection limit = 1 ppm.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE CHILKO-TASEKO LAKES AREA, SEE OPEN FILE MAP NO. 1986-4.



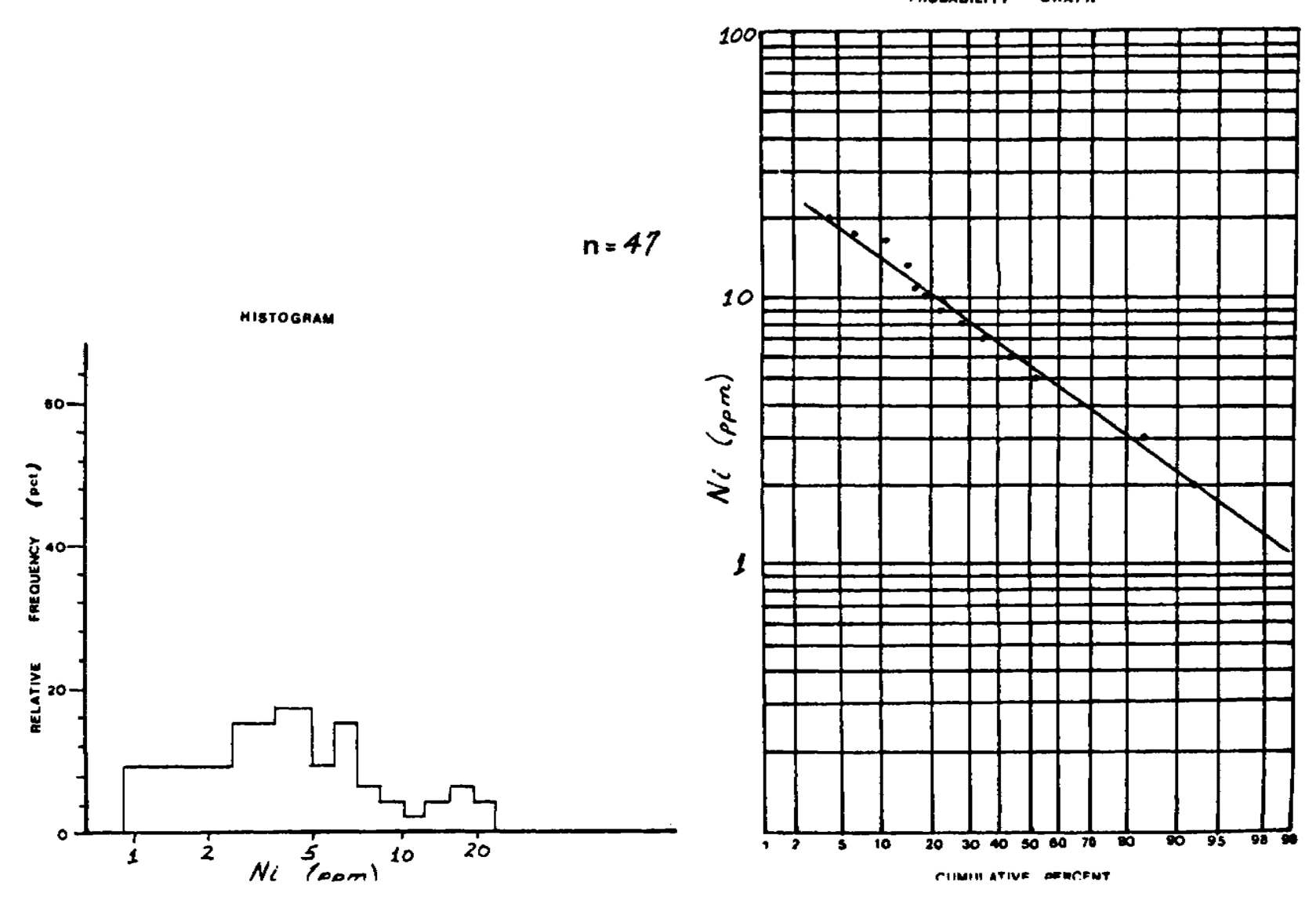
THIS PROJECT IS A CONTRIBUTION TO THE CANADA-BRITISH COLUMBIA MINERAL DEVELOPMENT AGREEMENT, 1985-1990.



2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	59th Percentile (Ln)	95th Percentile (Ln)
6	5	5	4	10	16	18	17

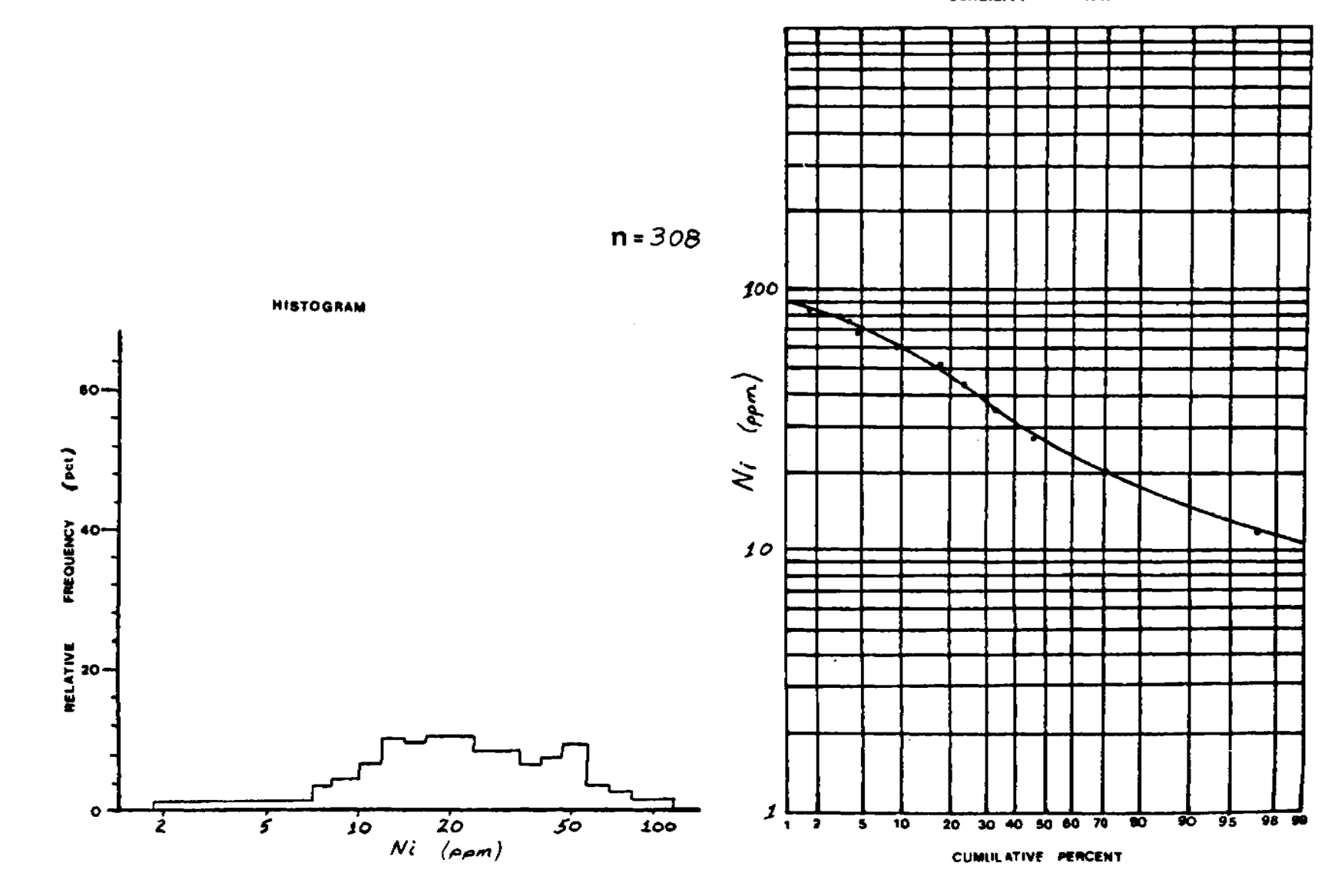
Chi-Square Test: χ^2 Degrees Freedom
 Normal 16 4
 Lognormal 1.2 4

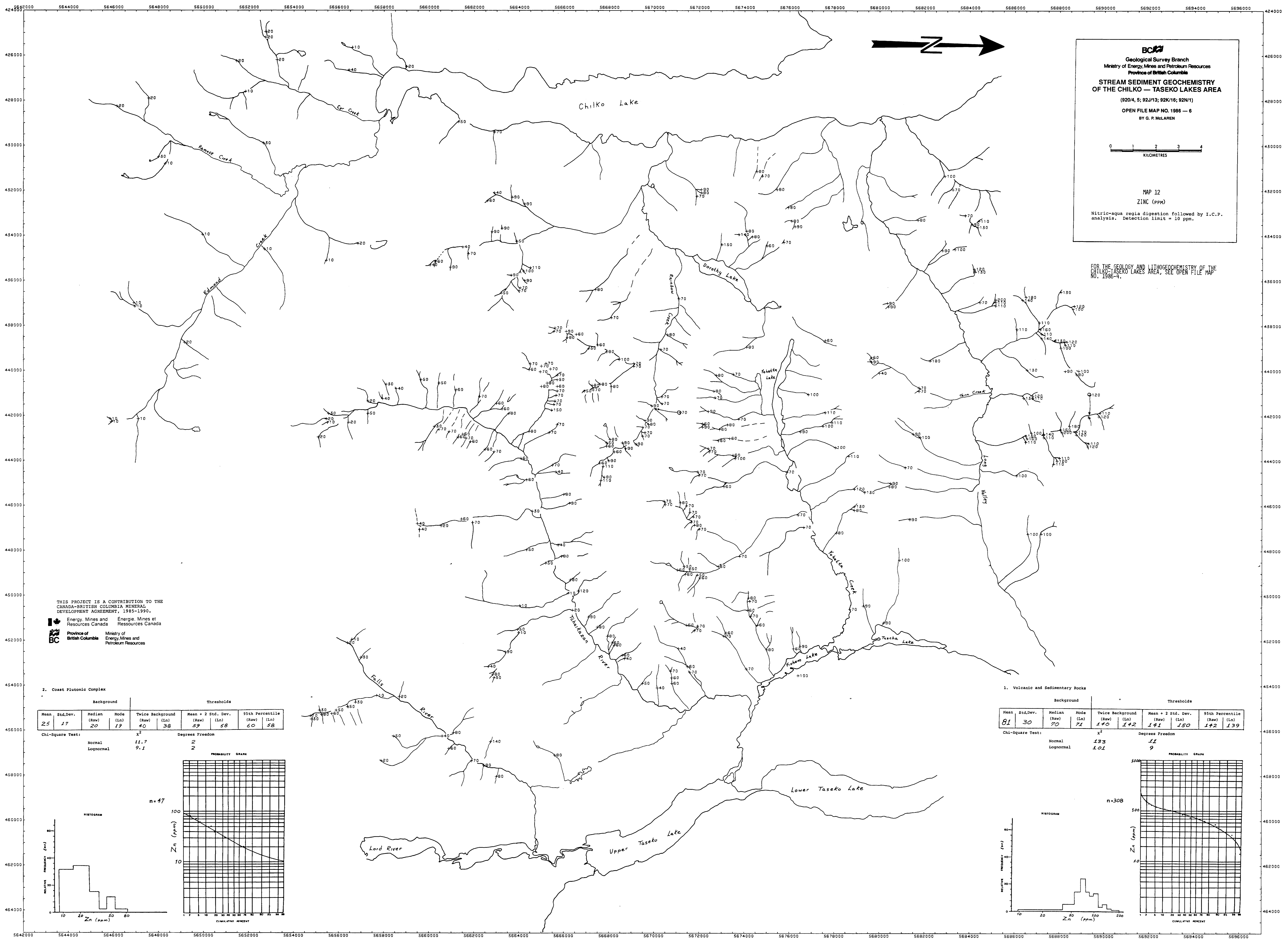


1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Raw)	59th Percentile (Ln)	95th Percentile (Ln)
29	19	22	22	44	67	72	64

Chi-Square Test: χ^2 Degrees Freedom
 Normal 145 13
 Lognormal 22 13





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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKO — TASEKO LAKES AREA**
 (920/4, 5; 92J/13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 — 6
 BY G. P. MCLAREN

0 1 2 3 4
 KILOMETRES

MAP 12
 ZINC (PPM)

Nitric-squa regia digestion followed by I.C.P.
 analysis. Detection limit = 10 ppm.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE
 CHILKO-TASEKO LAKES AREA, SEE OPEN FILE MAP
 NO. 1986-4.

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 DEVELOPMENT AGREEMENT, 1983-1990.
 Energy, Mines and Resources Canada
 Energy, Mines and Resources Canada

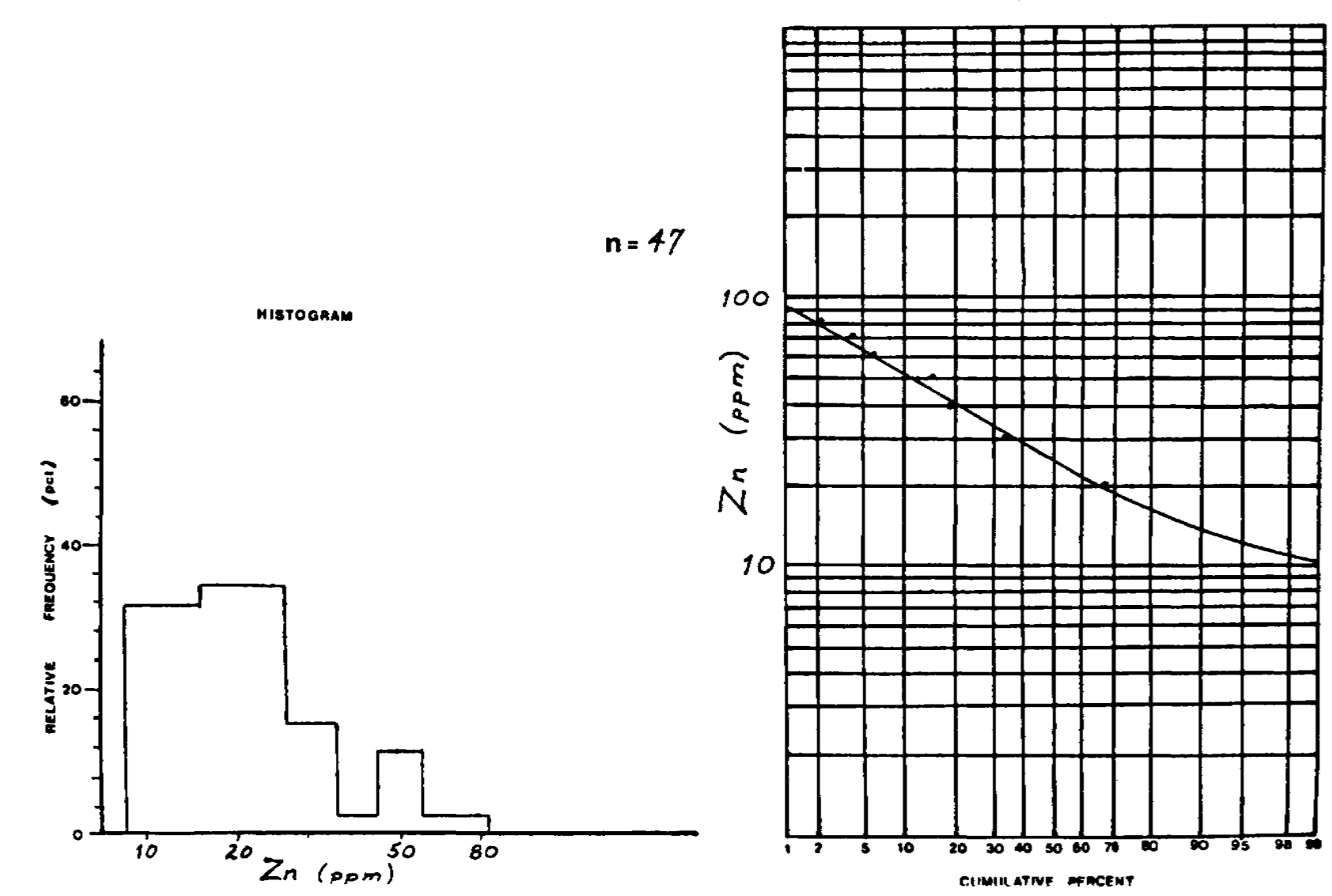
Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources

2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
25	17	20	19	40	38	59	58
60	58					60	58

Chi-Square Test: χ^2 Degrees Freedom

Normal 11.7 2
 Lognormal 9.1 2

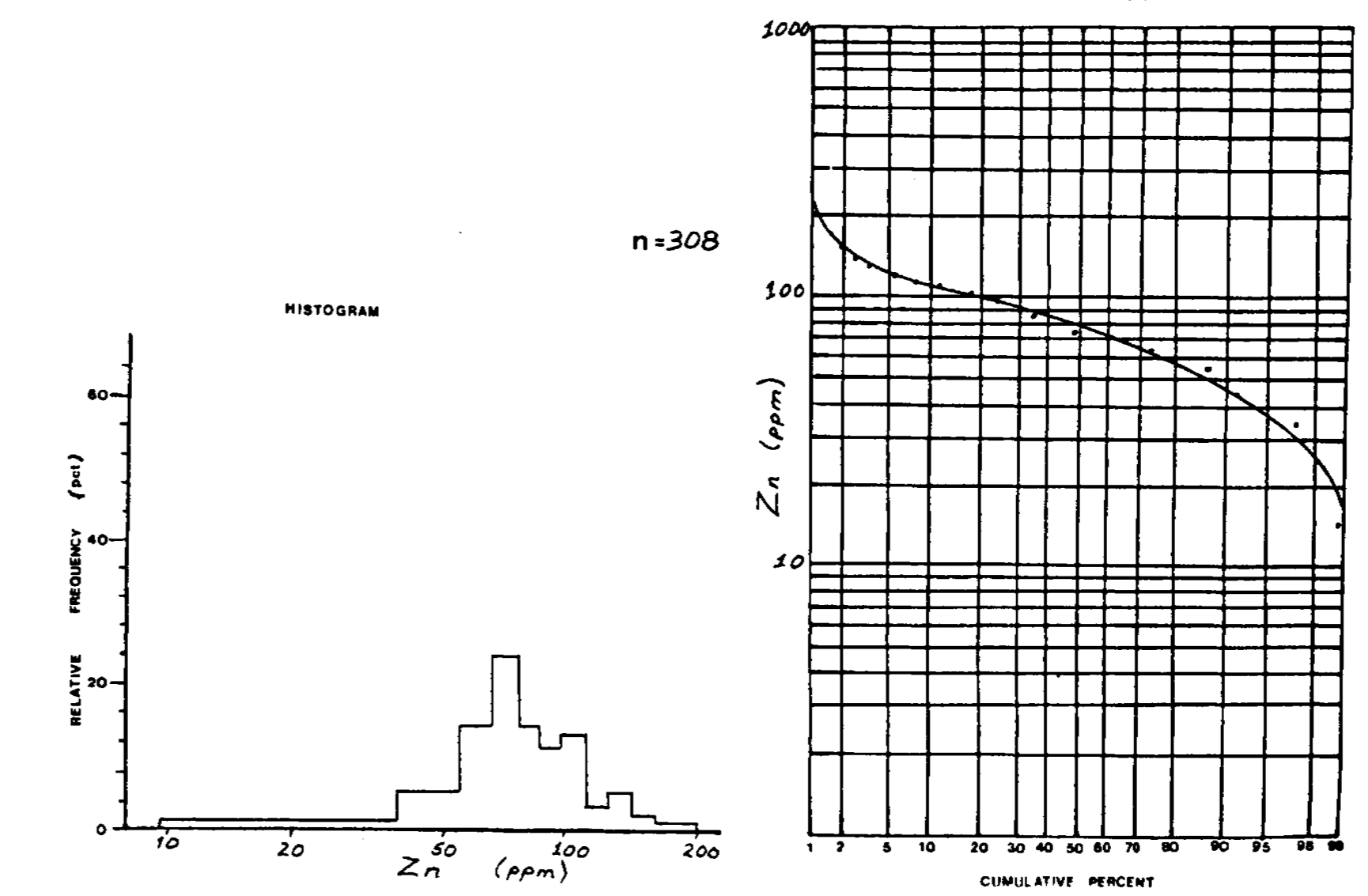


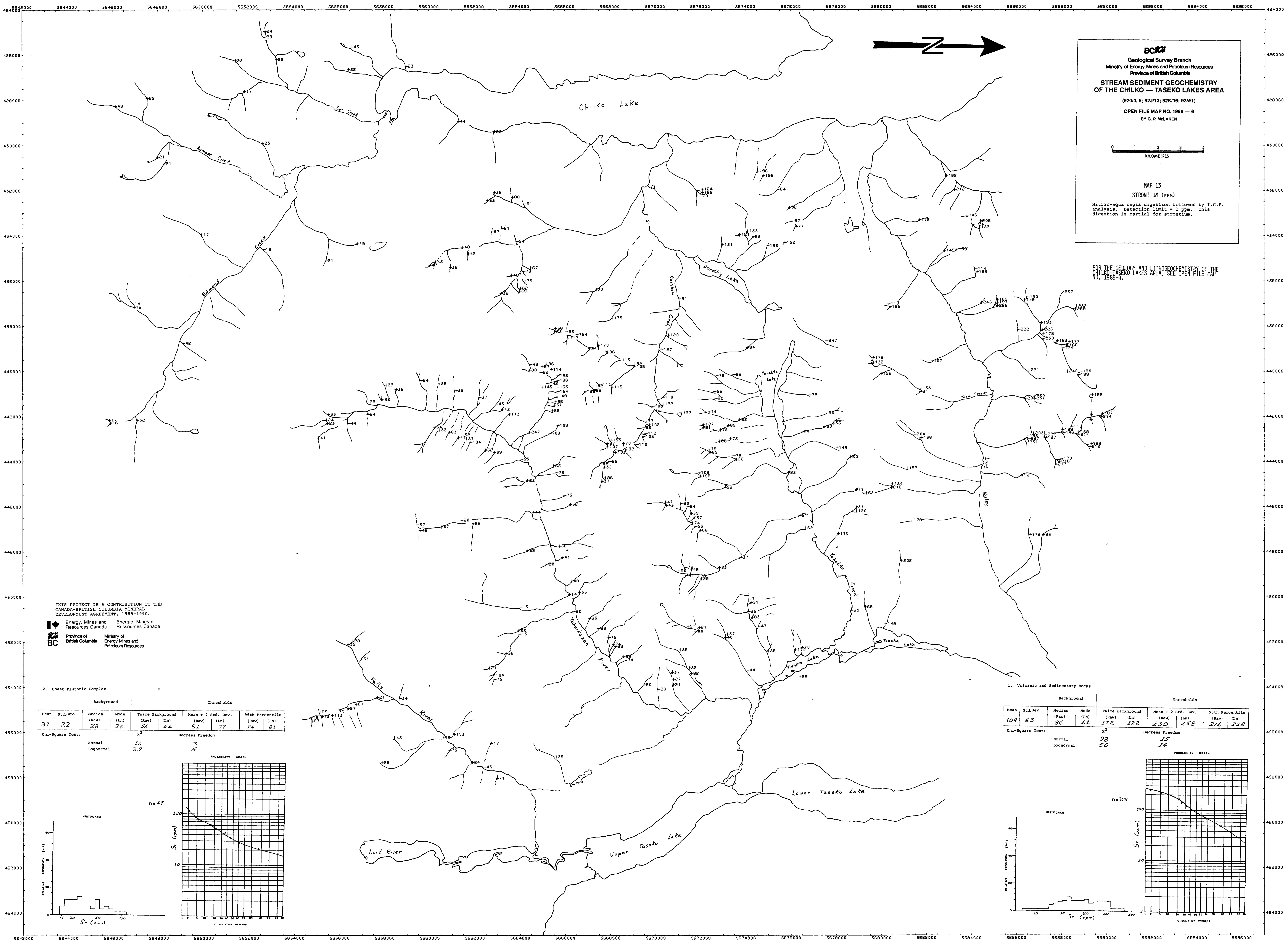
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background	Mean + 2 Std. Dev.	95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
81	30	70	71	140	122	141	150
122	122					122	139

Chi-Square Test: χ^2 Degrees Freedom

Normal 133 11
 Lognormal 101 9





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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKO — TASEKO LAKES AREA**
 (920/4, 5; 92J/13; 92K/16; 92N/1)

OPEN FILE MAP NO. 1986 — 6
 BY G. P. McLAREN

0 1 2 3 4
 KILOMETRES

MAP 13
 STRONTIUM (PPM)

Nitric-aqua regia digestion followed by I.C.P. analysis. Detection limit = 1 ppm. This digestion is partial for strontium.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE CHILKO-TASEKO LAKES AREA, SEE OPEN FILE MAP NO. 1986-4.

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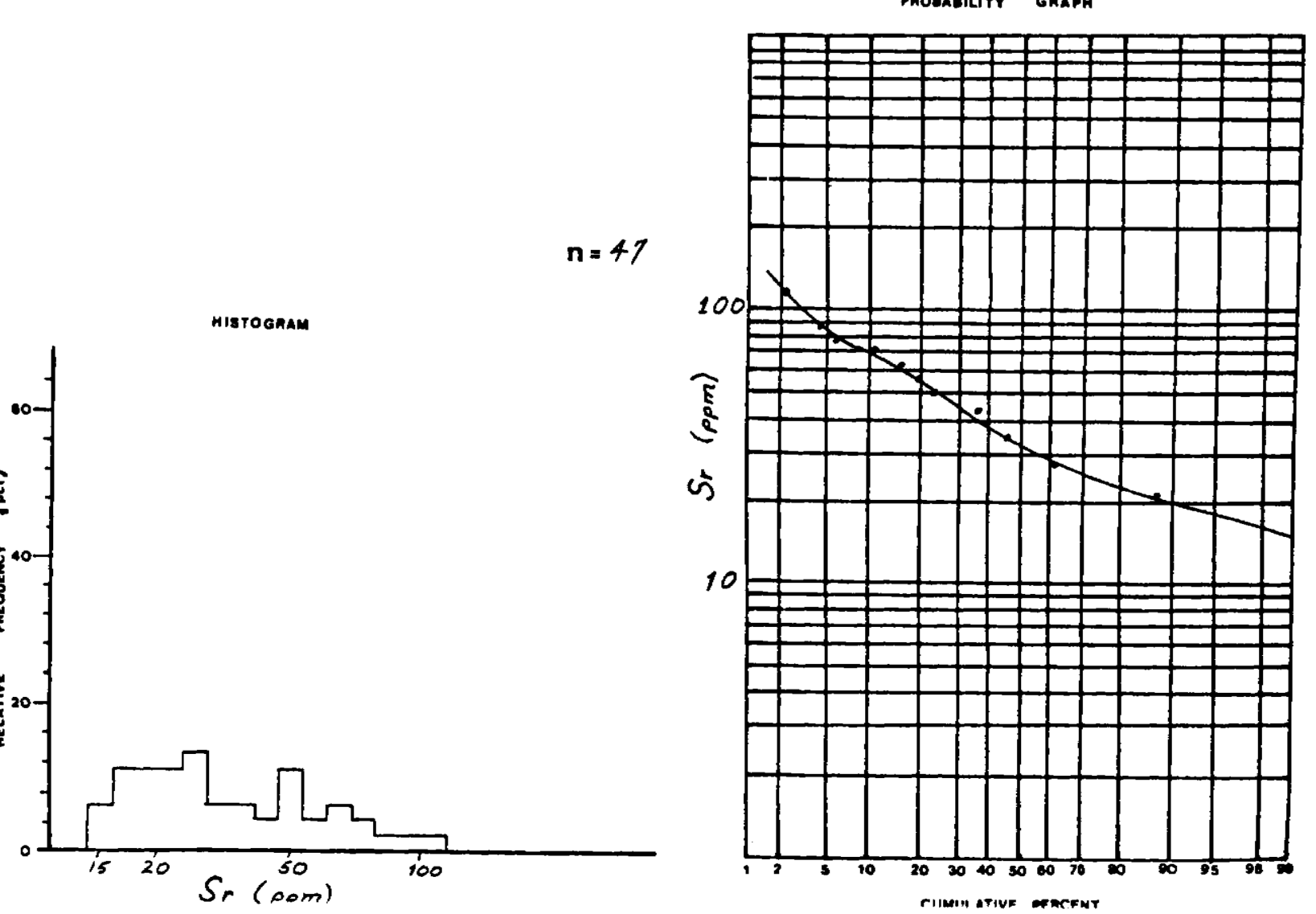
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2. Coarse Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background		95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
37	22	28	26	56	52	81	77

Chi-Square Test: χ^2 Degrees Freedom

Normal	16	3
Lognormal	3.7	5

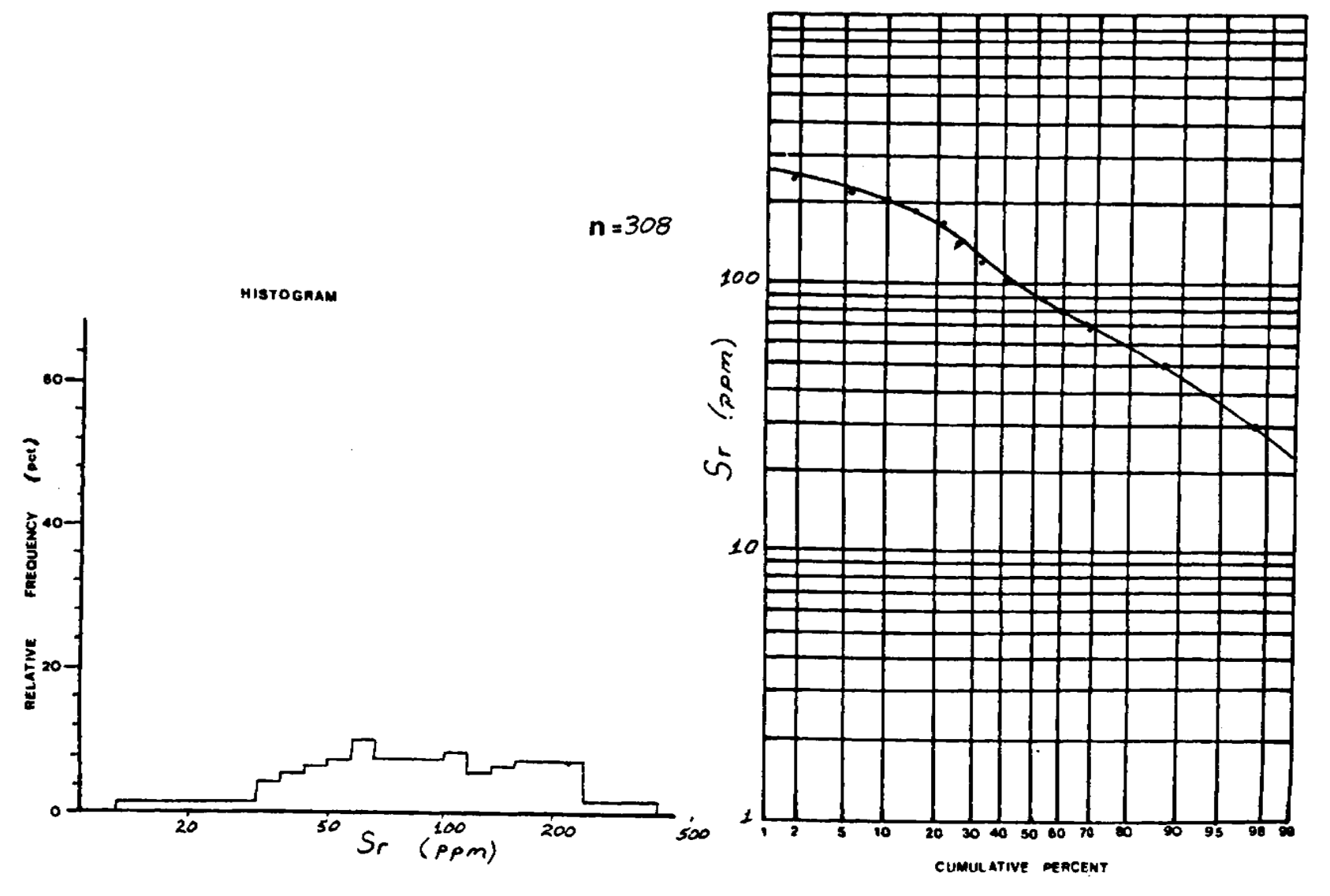


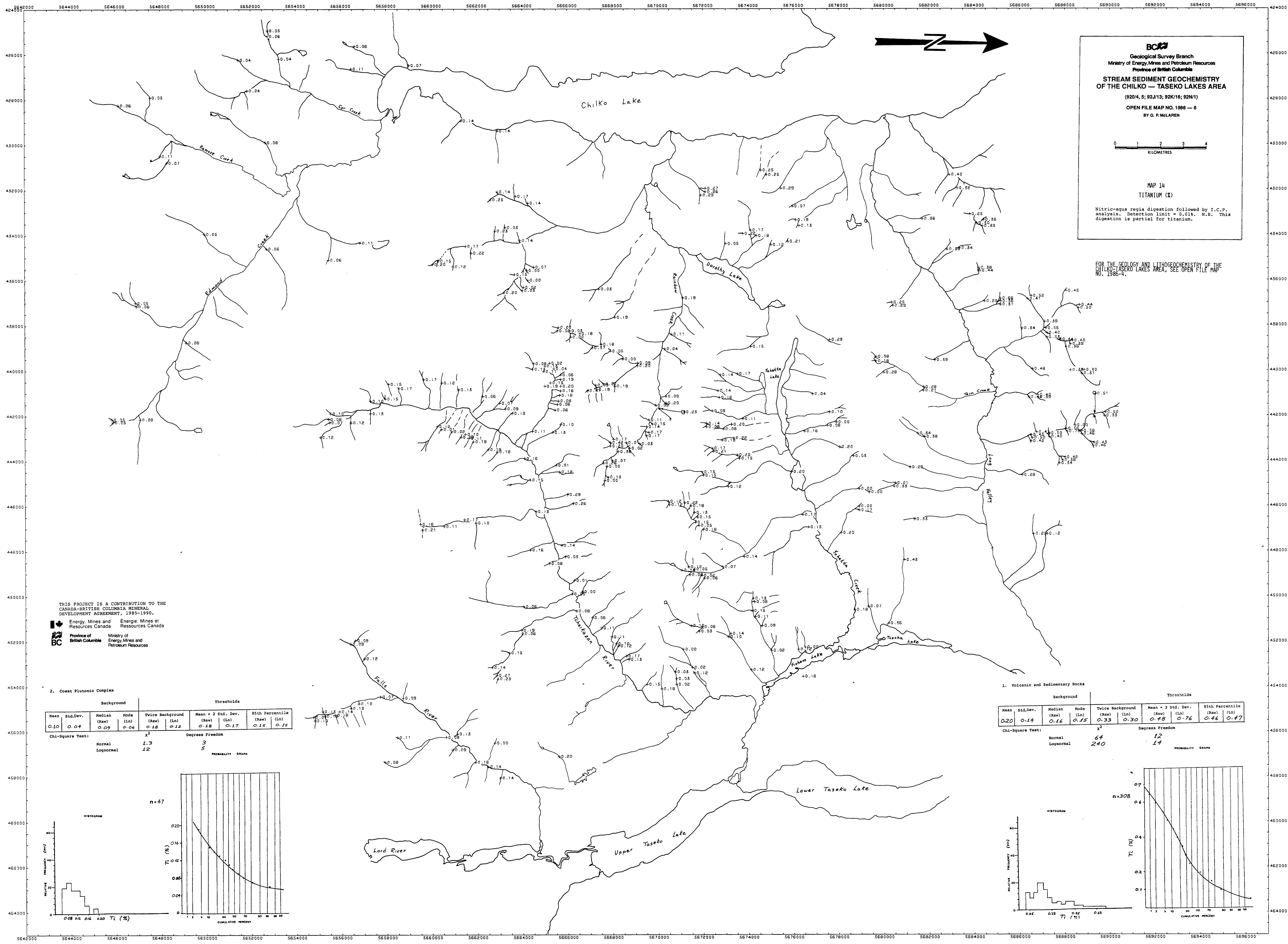
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median	Mode	Twice Background		95th Percentile	
(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)	(Raw)	(Ln)
104	63	86	61	172	122	230	258

Chi-Square Test: χ^2 Degrees Freedom

Normal	98	15
Lognormal	50	14





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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKOO - TASEKO LAKES AREA**
 (920/4, 5; 92J/13; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 - 6
 BY G. R. McLAREN

0 1 2 3 4
 KILOMETRES

MAP 14
 TITANIUM (%)

Nitric-acqua regia digestion followed by I.C.P. analysis. Detection limit = 0.01%. N.B. This digestion is partial for titanium.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE CHILKOO-TASEKO LAKES AREA, SEE OPEN FILE MAP NO. 1986-7.

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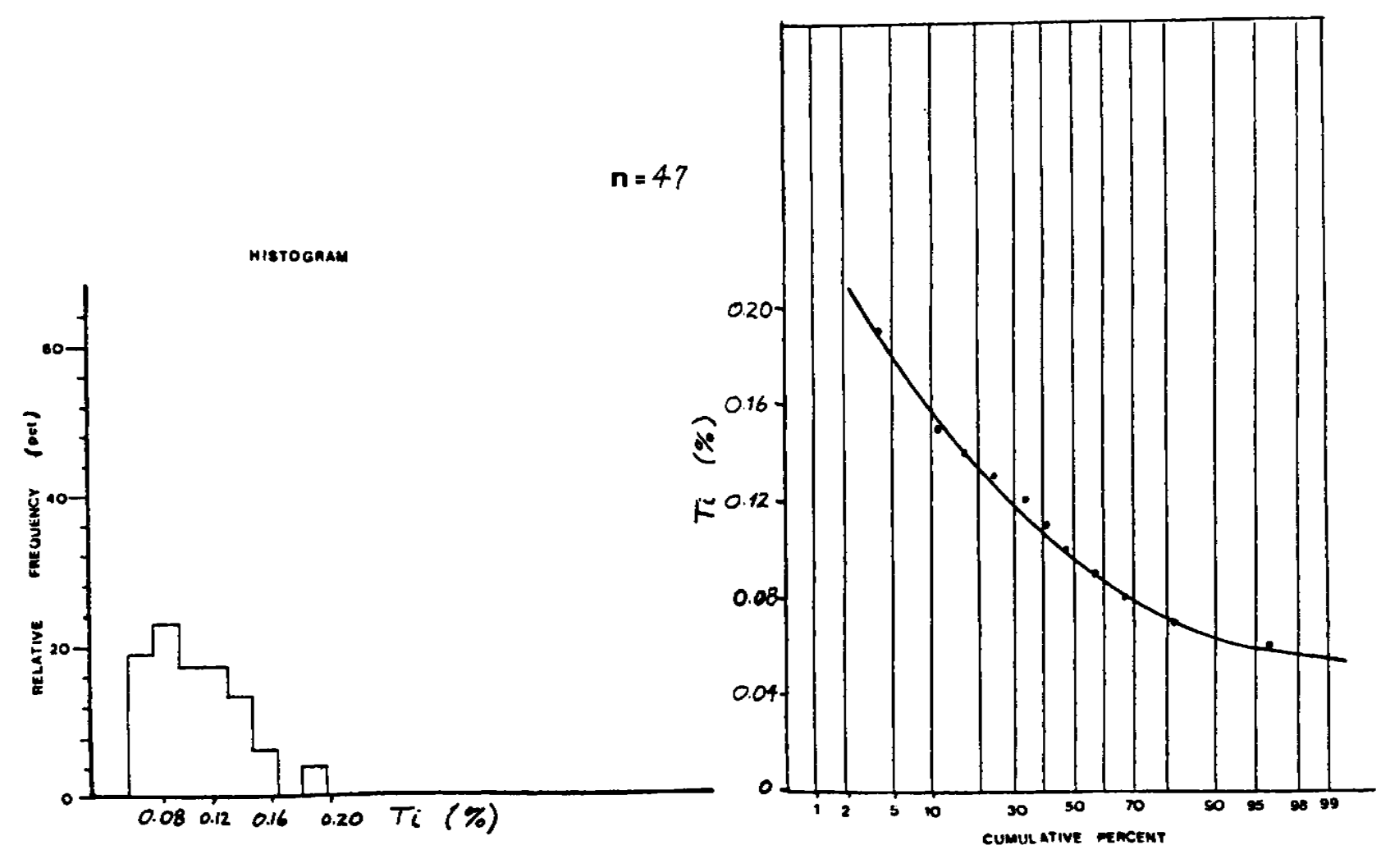
2. Coast Plutonic Complex

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
0.10	0.04	0.09	0.06	0.18	0.17	0.15	0.15

Chi-Square Test: χ^2 Degrees Freedom

Normal	1.3	3
Lognormal	1.2	5

PROBABILITY GRAPH



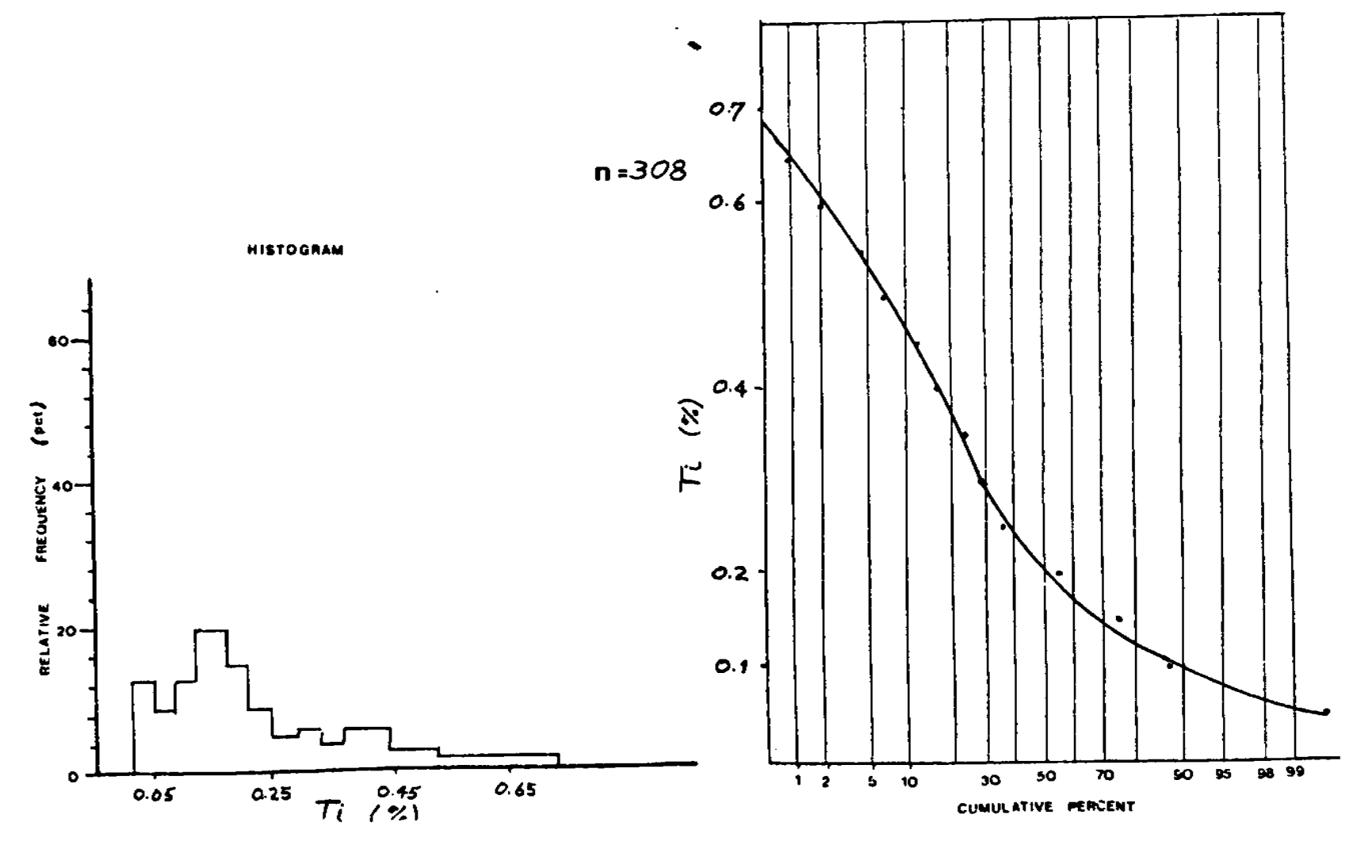
1. Volcanic and Sedimentary Rocks

Background				Thresholds			
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
0.20	0.14	0.16	0.15	0.33	0.30	0.26	0.27

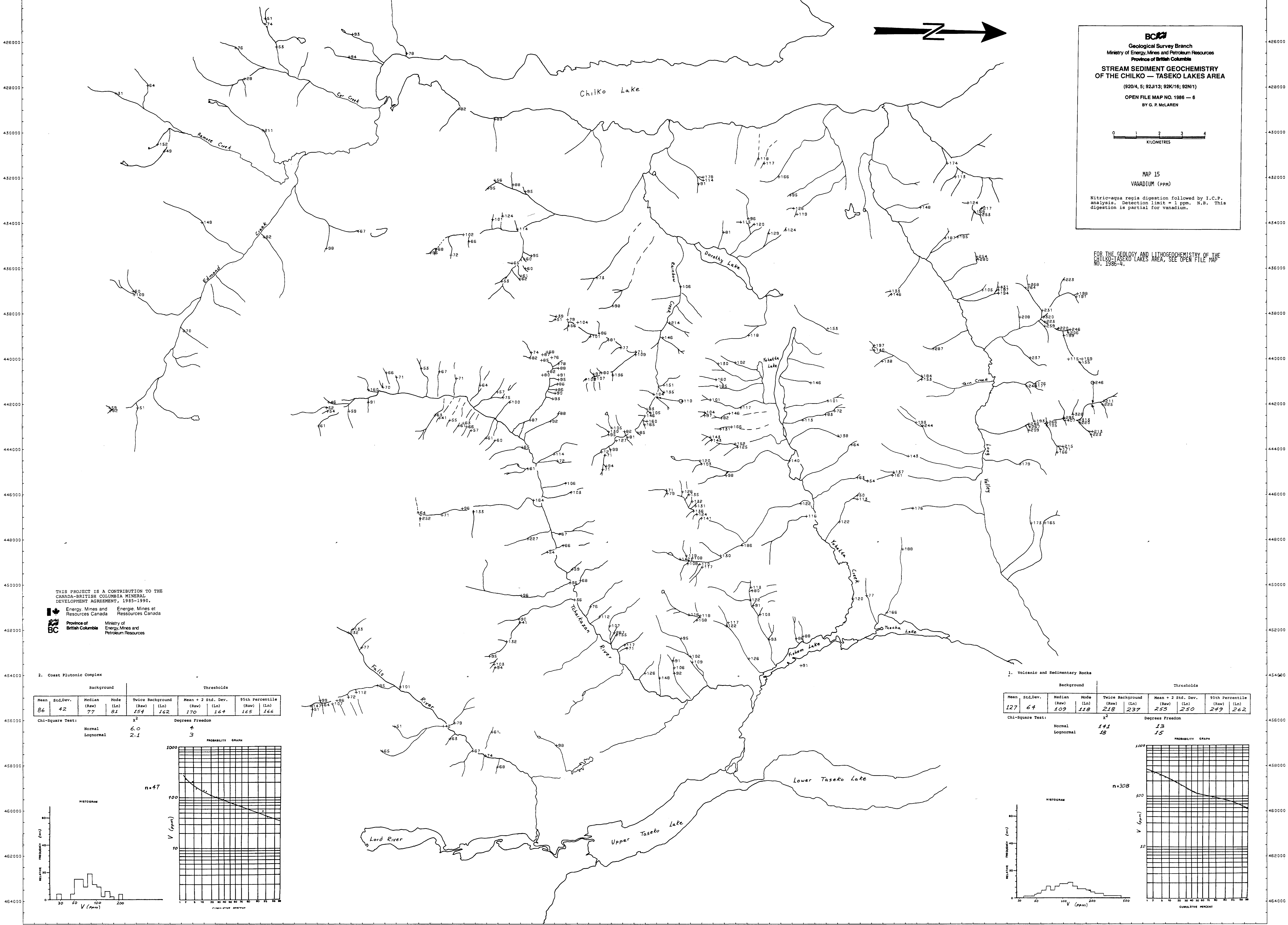
Chi-Square Test: χ^2 Degrees Freedom

Normal	64	12
Lognormal	240	14

PROBABILITY GRAPH



5642000 5644000 5646000 5648000 5650000 5652000 5654000 5656000 5658000 5660000 5662000 5664000 5666000 5668000 5670000 5672000 5674000 5676000 5678000 5680000 5682000 5684000 5686000 5688000 5690000 5692000 5694000 5696000



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**STREAM SEDIMENT GEOCHEMISTRY
 OF THE CHILKOT - TASEKO LAKES AREA**
 (920/4, 5; 92/113; 92K/16; 92N/1)
 OPEN FILE MAP NO. 1986 - 6
 BY G. P. MCLAREN

0 1 2 3 4
 KILOMETRES

MAP 15
 VANADIUM (PPM)

Nitric-aqua regia digestion followed by I.C.P. analysis. Detection limit = 1 ppm. N.B. This digestion is partial for vanadium.

FOR THE GEOLOGY AND LITHOGEOCHEMISTRY OF THE CHILKOT-TASEKO LAKES AREA, SEE OPEN FILE MAP NO. 1986-4.

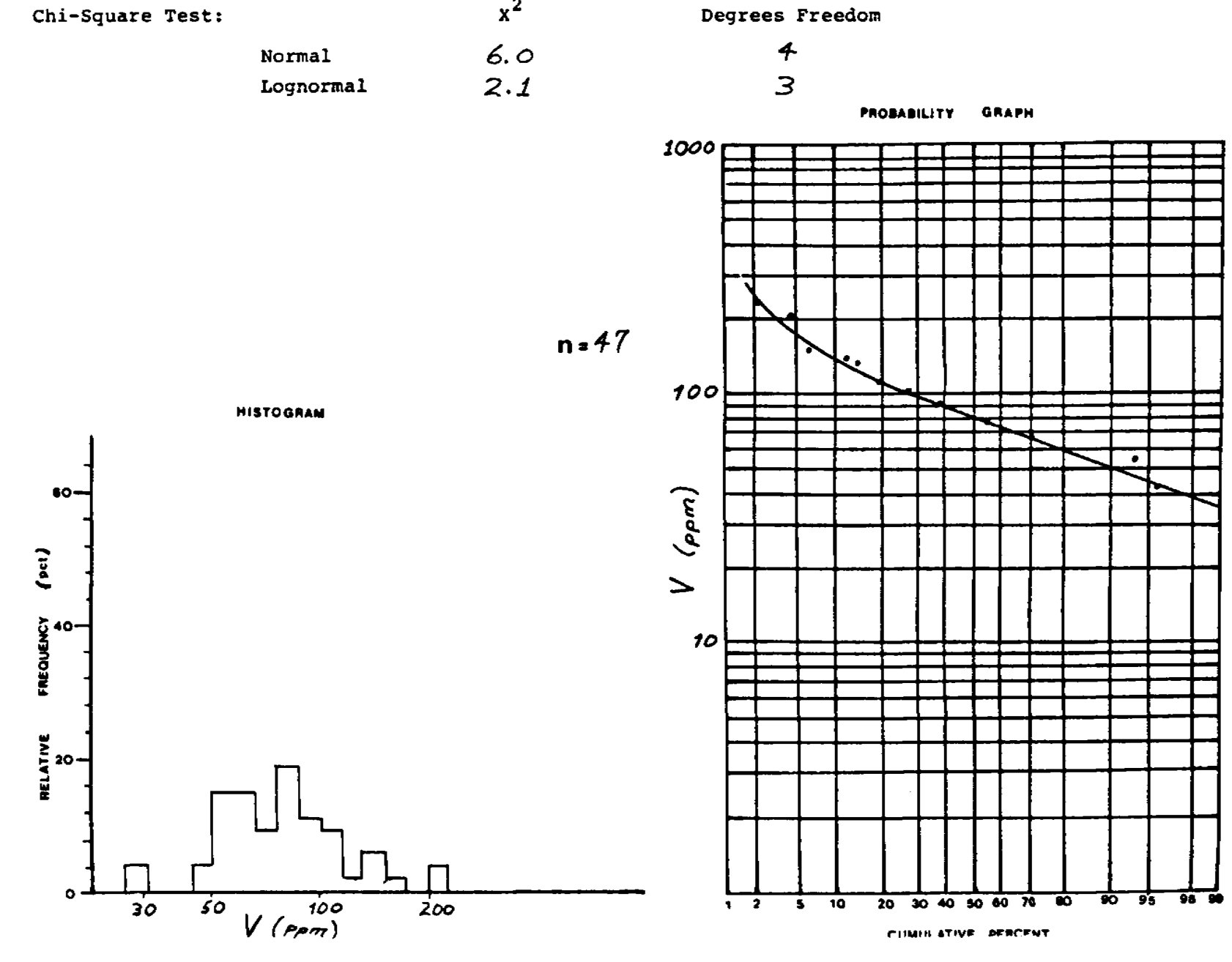
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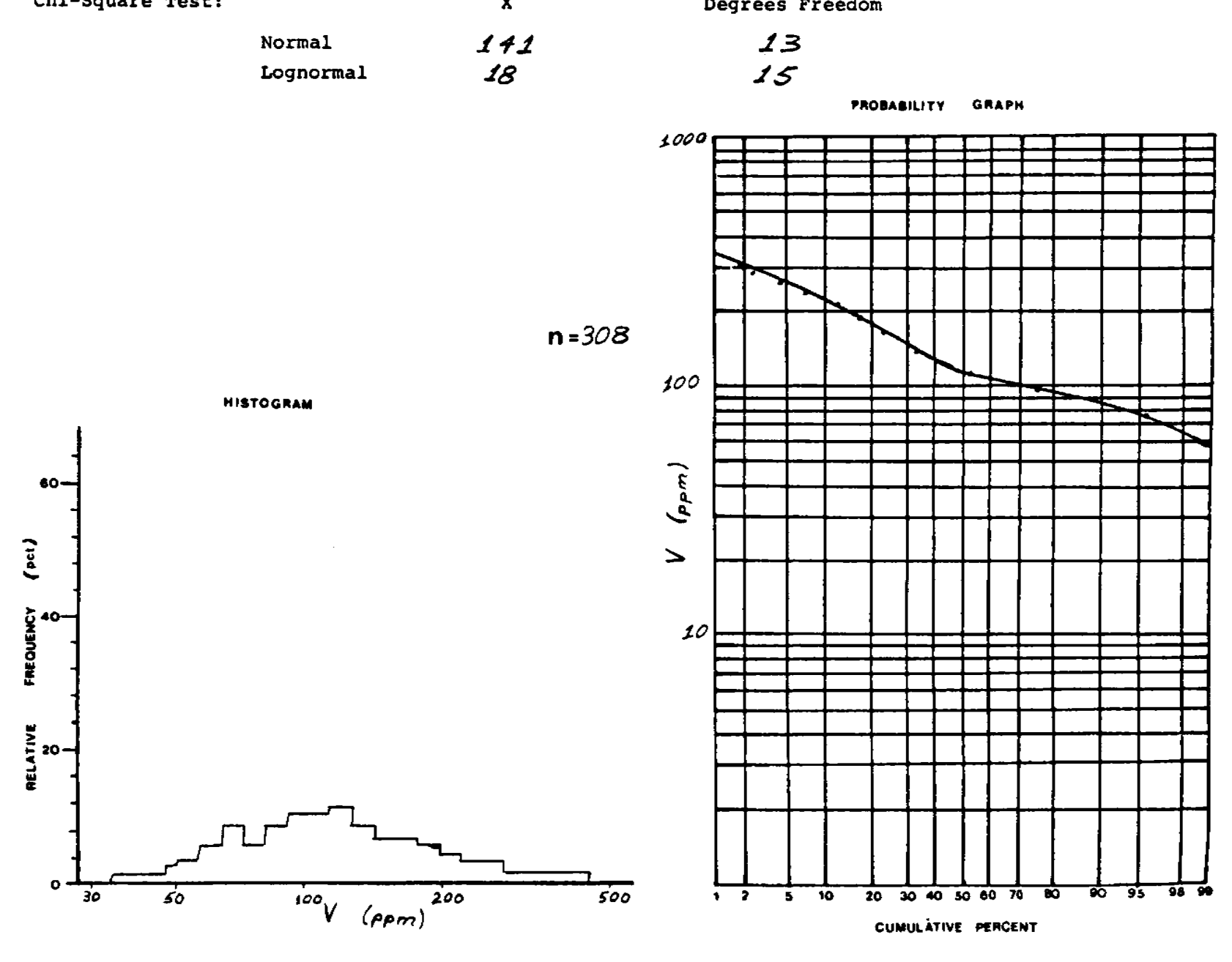
2. Coast Plutonic Complex

Background		Thresholds					
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
86	42	77	81	154	162	170	164
Chi-Square Test:		χ^2		Degrees Freedom			
Normal		6.0		4			
Lognormal		2.1		3			



1. Volcanic and Sedimentary Rocks

Background		Thresholds					
Mean	Std. Dev.	Median (Raw)	Mode (Ln)	Twice Background (Raw)	Mean + 2 Std. Dev. (Ln)	95th Percentile (Raw)	95th Percentile (Ln)
127	64	109	118	248	237	255	250
Chi-Square Test:		χ^2		Degrees Freedom			
Normal		14.1		13			
Lognormal		18		15			



5642000 5644000 5646000 5648000 5650000 5652000 5654000 5656000 5658000 5660000 5662000 5664000 5666000 5668000 5670000 5672000 5674000 5676000 5678000 5680000 5682000 5684000 5686000 5688000 5690000 5692000 5694000 5696000