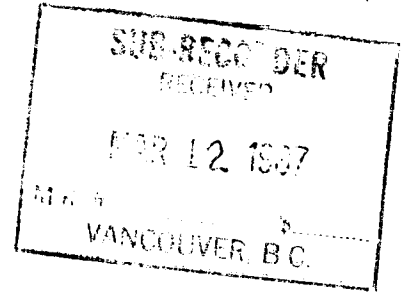


86-1023-15508



Geology and Geochemistry
of the Anna Claim Group

Bar Project

NTS 82M/5W, 92P/8E

Latitude 51^{00'}_{15.8'}N Longitude 120^{00'}_{01.1'}W

KAMLOOPS M.D.

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,508

February 27, 1987

Owner/Operator: Corporation Falconbridge Copper
6415 64th Street
Delta, B. C. V4K 4E2

Graeme W. Evans

FILMED

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INTRODUCTION

General

Corporation Falconbridge Copper is the owner of 463 units totalling 11,500 hectares in the Barriere area of the Kamloops Mining Division, British Columbia. This large property is divided into 6 areas for administration purposes. In this report the results of geochemical mapping and lithochemical sampling for the Anna group are presented (Figure 2).

Location and Access (Figure 1)

The claims are located between the North Barriere River and the North Thompson River and are bounded by latitude 51°00'N and 51°25'N and longitude 119°45'W and 120°10'W (Figure 1).

Access is available on logging roads from the East Barriere Lake road on the south and the Leonie Lake Road on the north.

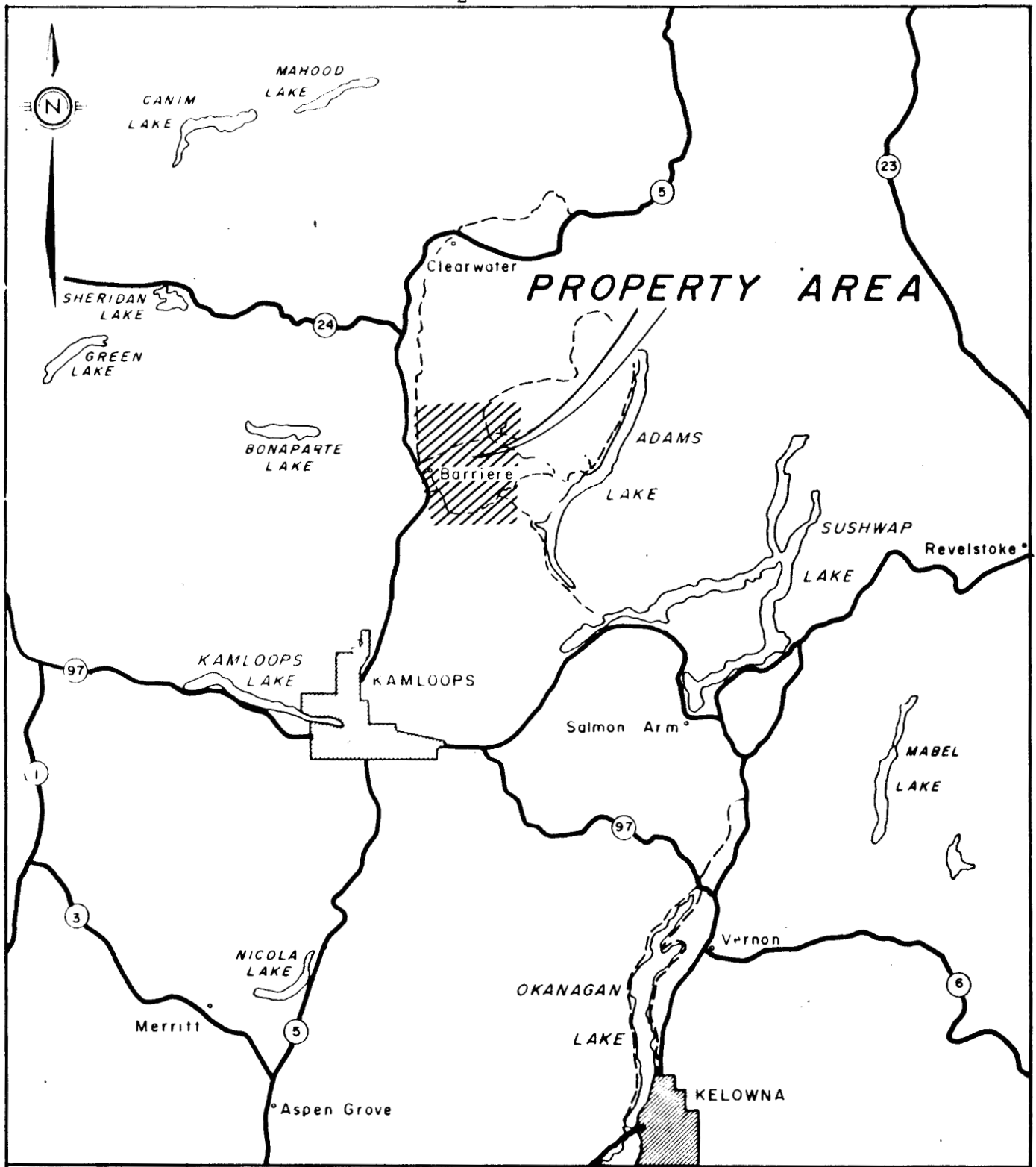
Physiography

The Anna claims lie on the western edge of Adams Plateau at elevations between 700 and 1000m. The area is rolling plateau with incised creeks such as Bottrel Creek. The region is covered by fir and pine forests with active logging on the property.

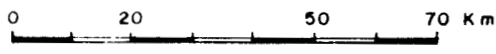
The climate is moderate with temperatures ranging from -25°C in the winter to 30+ in the summer. Precipitation is moderate in the area with a snow free period generally from May to November.

Property and Ownership

Figure 2 shows the configuration of the Bar, Alex, SC and Anna claims with the Anna and SC groups highlighted. Table 1 summarizes the pertinent claim detail. All are 100% owned and operated by Corporation Falconbridge Copper.



SCALE



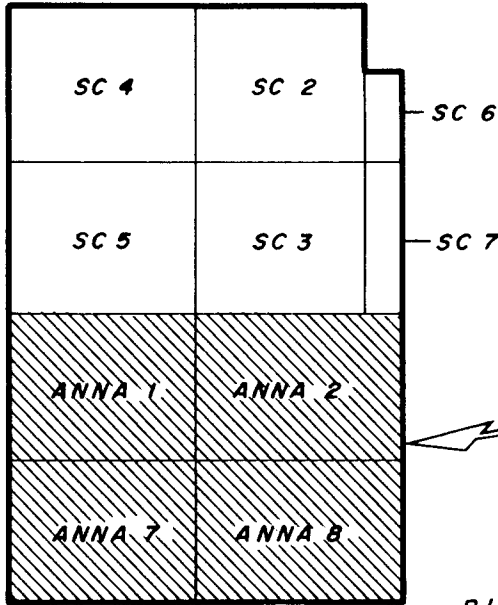
**BAR PROJECT
- LOCATION MAP -**

FIGURE 1



SC 1

BAR PROJECT CLAIM CONFIGURATION

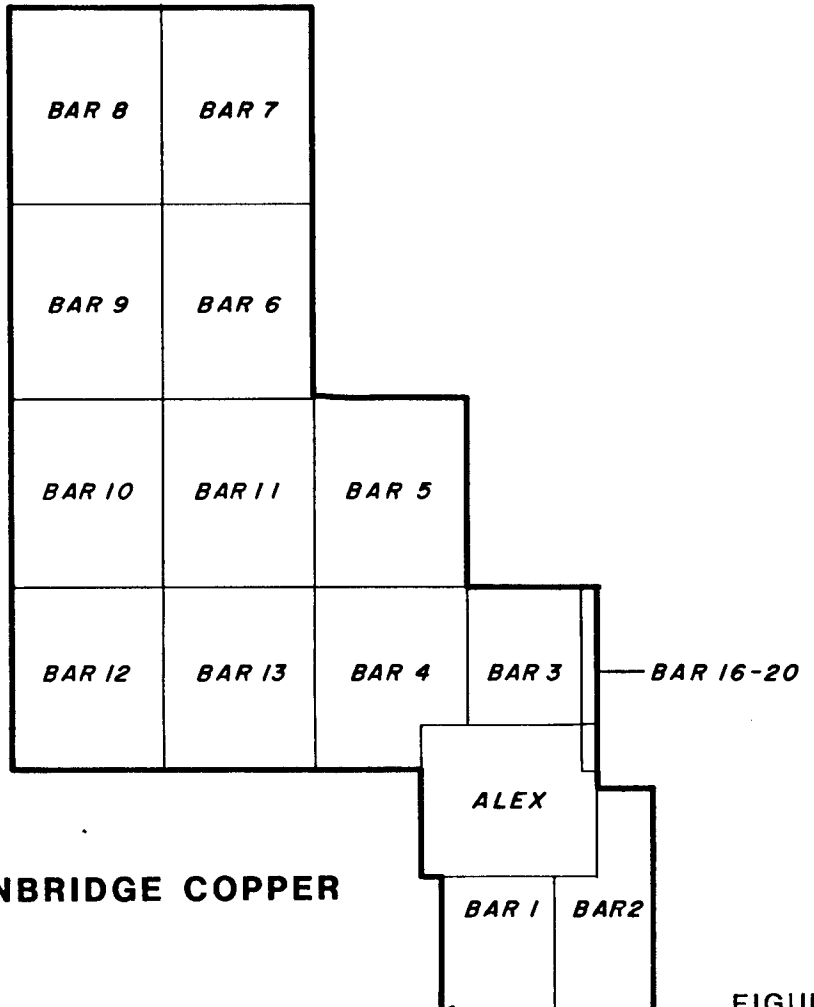


ANNA CLAIM GROUP EAST
BARRIERE
LAKE

RIVER

BARRIERE

← TO BARRIERE



CORPORATION FALCONBRIDGE COPPER

FIGURE 2

Table 1

<u>Name</u>	<u>Record No.</u>	<u>Units</u>	<u>Month</u>
Anna 1	5332	20	December
Anna 2	5333	20	December
Anna 7	5339	20	December
Anna 8	5340	20	December

History

The Anna claims were acquired in late 1983 to cover favourable stratigraphy in an area recognized for its potential during a reconnaissance mapping and sampling program. Previous work appears to be confined to an airborne (Dighem) survey flown by Craigmont in 1978. Drill holes are reported in the area but no evidence of them has been found.

Summary of Work Done

Geology	20 man-days mapping	1:2,500 scale tied into a 16.2km grid with lines every 100m N-S and stations every 25m E-W.
Geochemical	14 man-days sampling 137 rock samples taken	Samples analyzed for Al ₂ O ₃ , Ba, CaO, Fe ₂ O ₃ , K ₂ O, MgO, MnO ₂ , Na ₂ O, Pb, SiO ₂ , TiO ₂ , Zr, Cu and Zn.

RESULTS

Geology (Map 1)

Exposure averages 10-20% with large areas covered by glacial overburden. The area is underlain by a N-NE trending, E and W dipping sequence of volcanics, diorite and sediments. Previous regional mapping, most recently by Preto et al. (BCDEMPR Preliminary Map #56) has placed these

rocks in the Upper Paleozoic Fennell Formation near the Eagle Bay Formation contact.

The western portion of the grid is underlain by dominant pyroxene (Uralite?) mafic flows, flow breccias and pillow lavas interbedded with cherts and chert breccias. These rocks are intruded by later mafic diorites and gabbros.

This package appears to be folded into a broad syncline with an axial plane trending at 045° and plunging moderately NE. The NE trending foliation persists even in the diorite indicating that they pre-date the deformation. Topographic evidence, found in the pillow lavas, suggests that the units are overturned. Tops are to the west.

The rocks are regionally altered to low greenschist facies. Some silicification on fractures was seen in the NW corner of the grid but this may be related to the diorite intrusions.

The SE portion of the grid is dominated by felsic intrusives, felsic flows and breccias interbedded with argillites and cherts and chert breccias. They may comprise a felsic volcanic centre. These have also been intruded by massive diorites and gabbros. The largest intrusives exhibit lateral zoning with coarse grained cores containing hornblende crystals as large as 6mm and are occasionally magnetic. The contacts of these intrusives are much finer grained and are weakly saussuritized.

The volcanic-sediment package is a complex stratigraphic package which strikes at 020°. A felsic intrusive outcrops on the eastern margin of the grid. This rock is massive with an aphanitic siliceous groundmass with euhedral quartz phenocrysts up to 4mm and occasionally euhedral feldspar phenocrysts up to 2mm. This rock has been silicified by a quartz-pyrite stockwork as well as sericitized.

The felsic flows exhibit several textures such as flow banding, flow breccias and are often interbedded with felsic ashes. Certain flows contain appreciable amounts of disseminated pyrite and pyrrhotite both as fine disseminations and as angular fragments up to 3cm in diameter. In some areas these sulphides account for up to 20% of the rock volume. The felsic rocks range from aphanitic to porphyritic, the latter containing euhedral quartz and feldspar phenocrysts up to 3mm in diameter and comprising 20% of the volume.

The sediments are dominated by various cherts which range from massive to finely laminated and chert breccias and slump breccias. These often grade into argillites which sometimes are very graphitic and hence, conductive.

The structure in the area is not well understood but bedding suggests a series of tight isoclinal folds striking at 020°. An east-west right lateral fault forms prominent cliffs along L59N and this fault appears to be one of the latest events and may be related to the Barriere River fault.

Lithogeochemistry (Map 2, 3, 4, 5 and 6)

A total of 137 lithogeochemical samples were collected over the grid. These were analyzed by Min-En Laboratories Ltd. for Al₂O₃, Ba, CaO, Fe₂O₃, K₂O, MgO, MnO₂, Na₂O, Pb, SiO₂, TiO₂, Zr, Cu and Zn.

The basalts plot in the field of Oceanic Tholeiitic Basalts with compositions of 48-52% SiO₂, 3-4% Na₂O, 0.2-0.6% K₂O, 10-12% Fe₂O₃, 12-16% Al₂O₃ and 6% MgO. The rhyolites fit into the calc-alkaline field with compositions ranging from 70-81% SiO₂, 0.6-6.0% Na₂O, 0.7-4.5% K₂O, 1-3% Fe₂O₃, 12-16% Al₂O₃ and 0.3-0.6% MgO.

This bimodal rock distribution is quite common in the region with only minor intermediate volcanics present. Anomalous barium values in both the basalts (16,000 ppm) and the rhyolites (9,000 ppm) may reflect favourable areas and warrant closer investigation.

The Cu, Zn values are generally low (10-80 ppm Cu and 50-100 ppm Zn) with only a few isolated anomalies. These reach maximums of 240 ppm Cu and 310 ppm Zn which may prove significant in the rhyolites.

CONCLUSIONS AND RECOMMENDATIONS

The area contains a well preserved sequence of submarine mafic and felsic volcanics with accompanying marine sediments. This area is an excellent environment for the deposition of massive sulphide deposits.

The grid should be extended to the East, North and South to cover the felsic centre. Detailed mapping and lithogeochemical surveys should be extended to find sulphide horizons. As well, a ground EM survey should be conducted to detect any buried sulphide conductors. Also a statistical analysis of the

lithogeochem data should be carried out to detect favourable horizons and delineate possible hydrothermal systems.

ITEMIZED COST STATEMENT

FIELD COSTS

G. W. Evans	10 days mapping (Aug. 9-18) @ \$250	\$ 2,500.00
J. Pardy	10 days mapping (Aug. 9-18) @ \$250	2,500.00
J. Corrigan	10 days sampling (Aug. 9-18) @ \$125	1,250.00
T. McRae	4 days sampling (Aug. 9-12) @ \$125	500.00
Accommodation	34 man/days @ \$20/day	680.00
Food	34 man/days @ \$20/day	680.00
Truck Rental	20 days @ \$50/day	1,000.00
Misc. (shipping, flagging, sample bags, toprofil, etc.)		500.00
Supervision (L. D. Pirie) 2 days @ \$400		800.00

ANALYTICAL COSTS

Lithogeochemical Analysis		
137 samples @ \$13.50 per sample		1,849.50

OFFICE COSTS

Drafting	3 days @ \$150/day	450.00
Report	3 days @ \$250/day	<u>750.00</u>

TOTAL		\$13,459.50
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Certificate of Qualifications

I, Graeme W. Evans certify that:

1. I am an Exploration Geologist residing at #46 - 1810 Summit Drive,
Kamloops, B. C.
2. I have a BSc (Geol.) from the University of British Columbia (1983).
3. I have practiced my profession since 1983.
4. I personally carried out or supervised the work reported herein.

March 8 / 1987

Date

Graeme W. Evans

Graeme W. Evans

Appendix I

Lithogeochemical Data Listing

PROJECT NO: 315

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-709/P1+2

ATTENTION: A.DAVIDSON/S.EVANS

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: SEPT 10, 1986

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	PB	SIO2	TIO2	ZR
BRB6-1118	3.30	.153	.01	2.46	.82	.78	.70	.01	.005	90.08	.15	.005
BRB6-1119	11.25	.020	9.87	12.01	.14	10.74	.31	2.76	.010	49.02	1.44	.006
76-1120	6.73	.005	11.22	13.46	.06	16.77	.31	.70	.020	46.65	.96	.005
76-1121	7.45	.005	12.88	11.87	.07	15.28	.31	.91	.016	47.36	.96	.005
BRB6-1122	7.92	.033	16.34	8.63	.08	10.95	.28	1.92	.005	50.27	1.12	.005
BRB6-1123	8.29	.006	16.04	8.83	.03	10.78	.26	2.10	.005	50.26	1.17	.005
BRB6-1124	14.33	.030	11.72	10.48	.13	6.00	.25	3.72	.005	49.19	1.78	.013
BRB6-1125	7.83	.016	15.76	8.60	.05	10.84	.26	2.03	.009	51.19	1.10	.005
BRB6-1126	7.83	.330	.11	3.17	2.26	1.52	.11	.03	.005	82.44	.49	.007
BRB6-1127	3.65	.293	.21	1.63	1.02	.79	.02	.24	.005	90.28	.24	.005
BRB6-1128	7.36	.413	.61	2.76	1.95	1.99	.03	.67	.005	82.04	.41	.006
BRB6-1129	13.96	.009	11.94	11.02	.03	6.24	.28	3.05	.011	49.24	1.77	.014
BRB6-1131	4.16	.220	.09	2.03	1.05	.88	.05	.03	.005	89.62	.19	.005
BRB6-1132	9.28	.006	12.62	11.55	.09	11.15	.30	2.38	.009	49.06	1.20	.005
BRB6-1133	8.28	.009	16.65	8.59	.02	10.66	.25	2.00	.005	49.95	1.17	.005
BRB6-1134	7.50	.005	16.39	10.60	.01	12.70	.29	.83	.017	48.20	1.08	.005
BRB6-1135	7.80	.005	16.19	8.70	.02	11.20	.27	1.98	.005	50.43	1.14	.005
BRB6-1136	14.77	.013	14.30	10.75	.02	5.31	.29	2.75	.005	47.84	1.77	.008
BRB6-1137	14.64	.010	8.80	11.45	.09	6.49	.28	4.33	.005	49.82	1.96	.012
BRB6-1138	5.45	.005	2.60	6.19	.04	2.49	.27	.34	.005	80.45	.37	.005
BRB6-1139	9.70	.139	.30	4.34	2.48	2.08	.25	.30	.005	78.25	.47	.005
BRB6-1140	8.50	.033	15.71	9.60	.10	13.00	.30	.83	.019	48.50	1.29	.005
BRB6-1141	4.56	.579	.03	1.74	1.45	.66	.01	.12	.005	89.02	.27	.005
BRB6-1142	3.85	.286	.03	2.48	.83	1.18	.03	.14	.005	89.46	.19	.005
BRB6-1143	14.64	.473	.01	1.85	2.23	1.27	.01	4.23	.005	73.42	.24	.019
BRB6-1144	13.84	.532	.35	1.54	3.79	1.62	.02	1.00	.005	75.44	.23	.018
BRB6-1146	2.20	.148	.28	1.41	.65	.69	.04	.04	.005	92.74	.11	.005
BRB6-1147	15.22	.173	.60	2.18	4.37	1.27	.03	2.20	.005	71.85	.26	.018
BRB6-1148	14.18	.087	.28	1.56	3.28	.34	.03	5.00	.005	73.25	.23	.007
BRB6-1149	16.62	.109	.16	3.54	2.93	2.59	.02	3.49	.005	68.60	.27	.018
BRB6-1150	10.02	.471	.01	4.12	2.31	1.51	.01	.57	.005	78.86	.58	.005
BRB6-1151	13.28	.616	.02	4.44	3.10	1.79	.02	.84	.005	73.51	.69	.007
BRB6-1152	11.02	.633	.07	3.61	2.28	2.49	.01	.95	.012	76.52	.61	.010
BRB6-1153	4.80	.270	1.13	2.19	1.21	1.55	.25	.25	.005	86.32	.32	.006
BRB6-1154	13.42	1.612	.03	2.06	2.58	1.83	.01	3.15	.005	73.40	.23	.017
BRB6-1155	5.84	.263	.01	2.45	1.55	.85	.11	.25	.005	86.72	.36	.005
BRB6-1156	6.72	.643	.01	4.53	1.62	.76	.01	.19	.005	83.38	.45	.005
BRB6-1157	6.57	.474	.02	3.17	1.32	1.67	.01	.34	.005	84.31	.40	.005
BRB6-1158	4.49	.542	.01	1.46	1.18	.65	.01	.20	.005	89.66	.26	.005
BRB6-1159	9.81	.464	.02	2.91	2.17	1.23	.01	.90	.015	80.44	.61	.007
BRB6-1160	3.20	.913	.03	1.16	1.01	.23	.03	.17	.019	91.29	.23	.005
BRB6-1161	10.70	.181	2.37	3.80	2.49	3.00	.09	.33	.005	74.64	.59	.013
BRB6-1162	16.30	.311	.02	2.88	6.08	1.36	.07	.30	.039	70.82	.23	.021
BRB6-1163	13.49	.108	.05	1.82	1.86	.56	.04	4.68	.005	75.54	.20	.011
BRB6-1164	13.34	.064	.23	1.73	.92	.38	.04	6.14	.016	75.16	.20	.010
BRB6-1165	8.03	.311	.07	4.17	1.32	1.97	.01	.68	.005	81.32	.46	.008
BRB6-1166	9.03	.849	.01	4.32	2.12	1.37	.01	.08	.005	79.96	.60	.006
BRB6-1167	8.42	.559	.01	2.60	1.67	1.24	.01	.47	.005	83.07	.40	.005
BRB6-1168	8.16	.406	.01	2.70	1.68	1.08	.01	.64	.005	83.19	.53	.005
BRB6-1169	7.98	.358	.14	3.86	1.53	2.46	.03	.17	.005	81.51	.42	.005
BRB6-1170	14.32	.525	.05	1.60	2.65	.72	.03	3.65	.009	74.76	.20	.011
BRB6-1171	8.22	.480	.50	3.70	1.63	2.88	.09	.11	.008	80.32	.40	.005
BRB6-1172	15.34	.306	.09	1.79	2.74	.62	.02	4.17	.005	73.09	.26	.014
BRB6-1173	15.48	.199	.16	2.50	1.79	1.16	.04	5.25	.005	71.58	.27	.017
BRB6-1174	14.50	.313	.02	1.96	4.61	.88	.02	1.18	.005	74.71	.23	.015
BRB6-1175	16.26	.116	.11	2.26	1.24	.40	.03	6.79	.005	70.87	.27	.016
BRB6-1176	14.96	.251	.03	1.40	2.17	.47	.01	4.79	.005	74.21	.24	.019
BRB6-1177	8.61	.933	.43	1.29	.84	1.49	.01	2.69	.005	81.71	.47	.005
BRB6-1178	4.49	.507	.01	1.60	1.25	1.05	.01	.01	.005	89.44	.18	.005
BRB6-1179	8.75	.883	.45	1.21	.74	1.76	.02	2.58	.005	81.59	.44	.005

PROJECT NO: 315

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-709/P1+2

ATTENTION: A. DAVIDSON/G. EVANS

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM *

DATE: SEPT 10, 1986

(VALUES IN %)	TOT (%)	CU-PPM	ZN-PPM
BRB6-1118	98.46	56	51
BRB6-1119	97.58	10	33
B' 1120	96.89	49	47
BRB6-1121	97.13	26	38
BRB6-1122	97.56	40	26
BRB6-1123	97.78	12	27
BRB6-1124	97.64	12	27
BRB6-1125	97.68	23	24
BRB6-1126	98.29	25	35
BRB6-1127	98.37	28	28
BRB6-1128	98.23	160	66
BRB6-1129	97.57	27	43
BRB6-1131	98.32	43	18
BRB6-1132	97.67	16	30
BRB6-1133	97.58	18	24
BRB6-1134	97.61	60	31
BRB6-1135	97.75	108	35
BRB6-1136	97.82	17	27
BRB6-1137	97.88	43	46
BRB6-1138	98.20	42	57
BRB6-1139	98.33	84	60
BRB6-1140	97.88	8	20
BRB6-1141	98.45	22	31
BRB6-1142	98.48	27	34
BRB6-1143	98.38	7	58
BRB6-1144	98.39	10	115
BRB6-1146	98.31	22	22
-1147	98.17	7	49
BRB6-1148	98.24	11	22
BRB6-1149	98.36	8	75
BRB6-1150	98.45	32	43
BRB6-1151	98.30	29	38
BRB6-1152	98.22	60	64
BRB6-1153	98.29	62	29
BRB6-1154	98.36	11	91
BRB6-1155	98.40	37	35
BRB6-1156	98.30	44	87
BRB6-1157	98.28	29	48
BRB6-1158	98.46	17	13
BRB6-1159	98.57	27	34
BRB6-1160	98.29	15	11
BRB6-1161	98.21	240	76
BRB6-1162	98.43	10	110
BRB6-1163	98.35	9	69
BRB6-1164	98.24	8	51
BRB6-1165	98.36	28	48
BRB6-1166	98.35	43	24
BRB6-1167	98.44	26	27
BRB6-1168	98.39	17	152
BRB6-1169	98.46	40	70
BRB6-1170	98.53	11	45
BRB6-1171	98.34	220	124
6-1172	98.45	11	50
BRB6-1173	98.46	10	66
BRB6-1174	98.46	7	27
BRB6-1175	98.36	11	42
BRB6-1176	98.55	8	22
BRB6-1177	98.47	6	8
BRB6-1178	98.54	9	21
BRB6-1179	98.42	7	12

PROJECT NO: 315

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-709/P3+4

ATTENTION: A.DAVIDSON/G.EVANS

(604)980-5814 OR (604)988-4524

* TYPE ROCK GEOCHEM * DATE: SEPT 10, 1986

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	PB	SI02	TIO2	ZR
BR86-1180	13.46	.378	.20	1.82	2.40	.58	.08	3.88	.005	76.82	.23	.020
BR86-1181	15.81	.814	.08	2.30	4.43	2.51	.08	.48	.010	71.39	.30	.032
BR86-1182	13.50	.305	.21	1.62	3.31	.58	.04	2.35	.005	76.09	.25	.024
BR86-1183	9.23	.577	.58	3.57	2.46	1.48	.08	.29	.005	79.17	.74	.035
BR86-1184	12.30	.103	.13	1.46	.81	.23	.03	5.69	.005	77.19	.24	.019
BR86-1185	3.98	.169	.14	3.69	.50	1.61	.03	.10	.005	87.93	.26	.005
BR86-0154	15.25	.021	7.00	11.57	.09	5.54	.33	3.65	.013	52.13	2.09	.012
BR86-0155	15.41	.291	5.92	11.88	.66	6.43	.35	3.98	.021	50.31	2.31	.011
BR86-0156	6.71	.366	.28	2.66	1.54	1.23	.10	.23	.005	84.62	.34	.005
BR86-0157	15.01	.166	7.99	13.13	.35	6.79	.39	1.04	.005	50.76	2.25	.012
BR86-0158	2.16	.111	.31	1.34	.51	.61	.03	.05	.005	93.13	.18	.005
BR86-0159	8.75	.005	11.44	10.89	.03	12.25	.32	1.52	.023	50.95	1.45	.005
BR86-0161	8.81	.012	12.19	9.83	.03	11.32	.31	1.89	.005	51.62	1.60	.005
BR86-0162	8.00	.019	11.76	10.17	.07	13.14	.32	1.18	.020	51.41	1.30	.005
BR86-0163	11.81	.020	7.73	12.93	.04	10.97	.36	2.32	.005	49.58	1.71	.009
BR86-0164	10.67	.698	.11	3.92	3.11	1.36	.04	.12	.005	77.53	.78	.013
BR86-0165	10.79	1.302	.07	3.07	2.28	.72	.01	.04	.005	78.44	.83	.016
BR86-0166	15.44	.019	5.67	11.73	.04	5.94	.29	4.85	.005	51.67	2.10	.008
BR86-0167	16.23	.014	6.94	11.46	.23	5.18	.31	3.68	.005	51.80	2.03	.009
BR86-0168	16.64	.006	7.24	11.63	.01	5.63	.32	3.17	.005	51.24	2.10	.005
BR86-0169	16.36	.015	6.80	11.53	.32	5.44	.33	3.51	.005	51.33	2.10	.008
BR86-0170	16.21	.006	6.33	10.48	.10	5.46	.29	4.07	.005	53.02	1.94	.009
BR86-0171	17.17	.011	7.15	11.65	.24	5.18	.30	3.44	.007	50.73	2.02	.009
BR86-0172	16.68	.012	7.90	12.02	.15	5.55	.33	2.65	.005	50.35	2.03	.008
BR86-0173	7.72	.344	.55	3.42	2.00	1.29	.15	.12	.005	82.44	.53	.005
BR86-0174	8.34	.399	.34	3.15	2.06	1.58	.42	.36	.005	81.19	.59	.007
BR86-0175	14.24	.005	10.40	10.91	.01	5.33	.30	.13	.005	54.46	1.97	.005
BR86-0176	14.95	.007	6.83	11.15	.15	5.99	.32	3.88	.005	52.47	1.89	.007
BR86-0177	15.09	.005	7.59	11.04	.09	5.94	.31	3.00	.005	52.85	1.91	.005
BR86-0178	15.52	.019	7.21	12.00	.75	6.70	.34	3.01	.005	50.06	2.01	.008
BR86-0179	15.63	.005	9.39	11.69	.08	6.44	.31	3.08	.005	49.17	1.89	.009
BR86-0180	15.30	.005	8.69	11.23	.05	6.54	.30	3.01	.005	50.97	1.78	.008
BR86-0181	15.46	.008	8.86	11.67	.21	6.53	.29	2.47	.005	50.48	1.84	.010
BR86-0182	16.09	.009	8.99	12.87	.04	5.23	.32	3.07	.005	49.10	2.07	.011
BR86-0183	11.66	.019	11.10	10.75	.11	12.29	.29	1.91	.005	48.68	1.01	.005
BR86-0184	6.61	.631	.17	2.74	1.89	1.52	.05	.10	.005	84.21	.36	.005
BR86-0185	7.68	.813	.11	2.81	2.17	1.12	.13	.51	.005	82.39	.58	.016
BR86-0186	9.09	.447	.46	3.70	1.94	2.53	.03	.83	.005	78.81	.52	.005
BR86-0187	14.23	.147	.43	1.34	3.41	.90	.03	3.71	.005	73.85	.24	.012
BR86-0188	14.86	.188	.21	1.50	1.94	.72	.03	4.84	.005	73.84	.26	.016
BR86-0189	3.96	.548	.06	1.49	1.06	.67	.01	.04	.005	90.41	.19	.005
BR86-0190	9.74	.796	.12	3.90	2.09	2.04	.05	.80	.005	78.20	.63	.009
BR86-0191	3.92	.280	.17	2.56	.79	1.33	.01	.03	.005	89.02	.25	.005
BR86-0192	14.52	1.071	.23	4.24	3.73	2.58	.01	.84	.005	70.11	.85	.012
BR86-0193	10.11	.661	.60	4.17	2.39	2.37	.11	.73	.005	76.37	.59	.005
BR86-0194	15.42	.006	10.82	11.04	.60	5.87	.28	1.34	.019	50.82	1.89	.011
BR86-0195	15.74	.010	9.03	11.44	.43	6.73	.31	2.62	.005	49.66	1.89	.011
BR86-0196	15.32	.005	7.96	11.39	.17	6.39	.32	3.46	.005	51.02	1.90	.012
BR86-0197	15.31	.005	9.17	11.34	.15	6.25	.29	3.09	.005	50.63	1.95	.010
BR86-0198	15.30	.005	8.94	11.70	.09	5.98	.31	3.46	.005	49.91	2.07	.012
BR86-0199	16.20	.005	12.84	10.88	.04	5.20	.27	.69	.005	50.31	1.63	.007
BR86-0200	17.32	.005	10.25	12.36	.01	5.94	.31	1.49	.005	48.47	1.95	.010
BR86-0201	16.60	.021	8.49	12.89	.06	5.77	.30	3.21	.005	48.65	1.91	.009
BR86-0202	15.21	.194	8.07	11.61	.35	6.14	.27	3.29	.005	50.93	2.06	.008
BR86-0203	15.98	.063	7.97	11.79	.40	5.91	.29	3.55	.005	50.19	1.78	.008
BR86-0204	15.90	.005	8.72	11.21	.05	5.51	.29	3.46	.005	51.02	1.83	.009
BR86-0205	15.92	.008	12.43	10.22	.24	4.67	.28	1.69	.005	50.88	1.60	.006
BR86-0206	16.16	.007	8.22	11.45	.15	5.87	.30	3.59	.005	50.36	1.85	.007
BR86-0207	14.93	.030	9.59	10.35	.75	6.37	.28	2.10	.021	51.70	1.60	.005

(VALUES IN %)	TOT(%)	CU-PPM	ZN-PPM
BRB6-1180	99.86	27	310
-1181	98.24	17	54
BRB6-1182	98.28	8	56
BRB6-1183	98.21	22	71
BRB6-1184	98.20	7	35
BRB6-1185	98.40	63	20
BRB6-0154	97.69	13	52
BRB6-0155	97.58	22	42
BRB6-0156	98.09	42	70
BRB6-0157	97.87	57	78
BRB6-0158	98.44	27	23
BRB6-0159	97.63	75	26
BRB6-0161	97.60	13	27
BRB6-0162	97.38	42	25
BRB6-0163	97.49	14	51
BRB6-0164	98.34	30	69
BRB6-0165	97.58	42	151
BRB6-0166	97.76	72	72
BRB6-0167	97.89	18	63
BRB6-0168	97.99	25	70
BRB6-0169	97.73	56	118
BRB6-0170	97.93	54	73
BRB6-0171	97.90	66	72
BRB6-0172	97.69	62	75
BRB6-0173	98.57	55	43
BRB6-0174	98.42	60	57
-0175	97.76	53	76
BRB6-0176	97.64	58	64
BRB6-0177	97.82	41	66
BRB6-0178	97.61	54	63
BRB6-0179	97.69	57	67
BRB6-0180	97.89	56	68
BRB6-0181	97.82	60	72
BRB6-0182	97.79	14	54
BRB6-0183	97.82	23	30
BRB6-0184	98.27	56	55
BRB6-0185	98.33	58	51
BRB6-0186	98.37	30	78
BRB6-0187	98.28	9	51
BRB6-0188	98.40	10	54
BRB6-0189	98.41	25	18
BRB6-0190	98.37	44	84
BRB6-0191	98.36	22	58
BRB6-0192	98.20	54	87
BRB6-0193	98.09	39	78
BRB6-0194	98.12	60	70
BRB6-0195	97.87	61	74
BRB6-0196	97.96	49	80
BRB6-0197	98.18	55	67
BRB6-0198	97.77	50	75
-0199	98.07	21	39
BRB6-0200	98.10	40	84
BRB6-0201	97.91	65	82
BRB6-0202	98.14	41	65
BRB6-0203	97.94	69	71
BRB6-0204	98.01	71	70
BRB6-0205	97.95	58	51
BRB6-0206	97.98	60	72
BRB6-0207	97.73	83	69

COMPANY: CORP.FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

(ACT:LI26) PAGE 1 OF 2

PROJECT NO: 315

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-709/P5

ATTENTION: A.DAVIDSON/G.EVANS

16041980-5814 OR 16041988-4524

* TYPE ROCK GEOCHEM *

DATE: SEPT 10, 1986

(VALUES IN %)	AL2O3	BA	CAO	FE2O3	K2O	MGO	MNO2	NA2O	PB	SI02	TIO2	ZR
BR86-0209	15.85	.005	8.42	10.16	.20	4.89	.28	3.97	.005	52.18	1.80	.011
I 0210	17.12	.009	9.64	11.21	.58	4.99	.29	3.10	.005	48.84	2.03	.013
BR86-0211	15.34	.005	9.48	10.68	.16	6.32	.30	3.25	.005	50.31	1.83	.011
BR86-0212	14.97	.008	9.03	10.49	.22	5.74	.30	3.70	.005	51.49	1.78	.011
BR86-0213	15.91	.007	9.73	11.06	.59	6.21	.30	2.74	.012	49.12	1.97	.013
BR86-0214	13.48	.005	9.73	10.03	.07	5.66	.28	3.02	.005	53.67	1.76	.012
BR86-0215	14.97	.008	11.01	10.30	.35	6.17	.29	2.58	.005	50.15	1.87	.013
BR86-0216	14.95	.005	10.36	10.45	.20	6.68	.31	3.08	.005	49.80	1.85	.014
BR86-0217	15.88	.007	9.66	10.93	.29	5.84	.29	3.42	.005	49.46	1.90	.014
BR86-0218	15.21	.015	10.58	11.00	.39	5.79	.31	2.71	.005	49.49	2.14	.015
BR86-0219	15.18	.014	11.39	11.16	.26	5.62	.29	2.58	.013	48.97	2.08	.015
BR86-0220	9.73	.570	.09	3.95	2.59	1.65	.03	.13	.005	78.70	.65	.016
BR86-0221	4.38	.477	.17	2.15	1.10	.97	.03	.08	.005	88.82	.24	.005
BR86-0222	16.49	.017	9.42	10.65	.07	4.78	.28	3.88	.005	50.10	2.03	.014
BR86-0223	14.02	.005	13.66	9.47	.04	4.82	.26	.59	.005	53.35	1.64	.010
BR86-0224	15.17	.005	9.93	10.06	.08	5.30	.27	3.60	.005	51.71	1.86	.012

COMPANY: CORP.FALCONBRIDGE COPPER

MIN-EN LABS ICP REPORT

(ACT:LI26) PAGE 2 OF 2

PROJECT NO: 315

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 6-709/P5

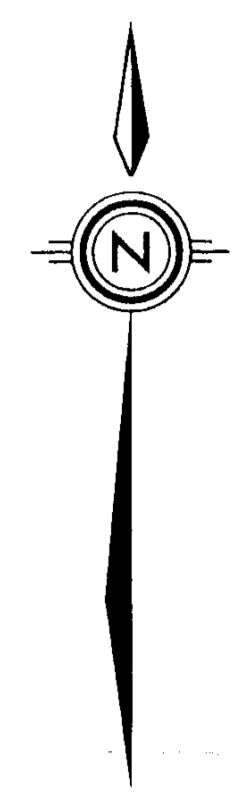
ATTENTION: A.DAVIDSON/G.EVANS

(604)980-5814 OR (604)980-4524

* TYPE ROCK GEOCHEM *

DATE: SEPT 10, 1986

(VALUES IN %)	TOT(%)	CU-PPM	ZN-PPM
BRB6-0209	97.76	54	63
BRB6-0210	97.83	65	67
BRB6-0211	97.68	55	64
BRB6-0212	97.74	51	61
BRB6-0213	97.66	47	78
BRB6-0214	97.72	54	55
BRB6-0215	97.73	59	76
BRB6-0216	97.70	51	67
BRB6-0217	97.69	50	72
BRB6-0218	97.66	36	70
BRB6-0219	97.56	44	68
BRB6-0220	98.10	29	67
BRB6-0221	98.42	54	29
BRB6-0222	97.73	13	49
BRB6-0223	97.87	66	51
BRB6-0224	98.01	71	70



LEGEND

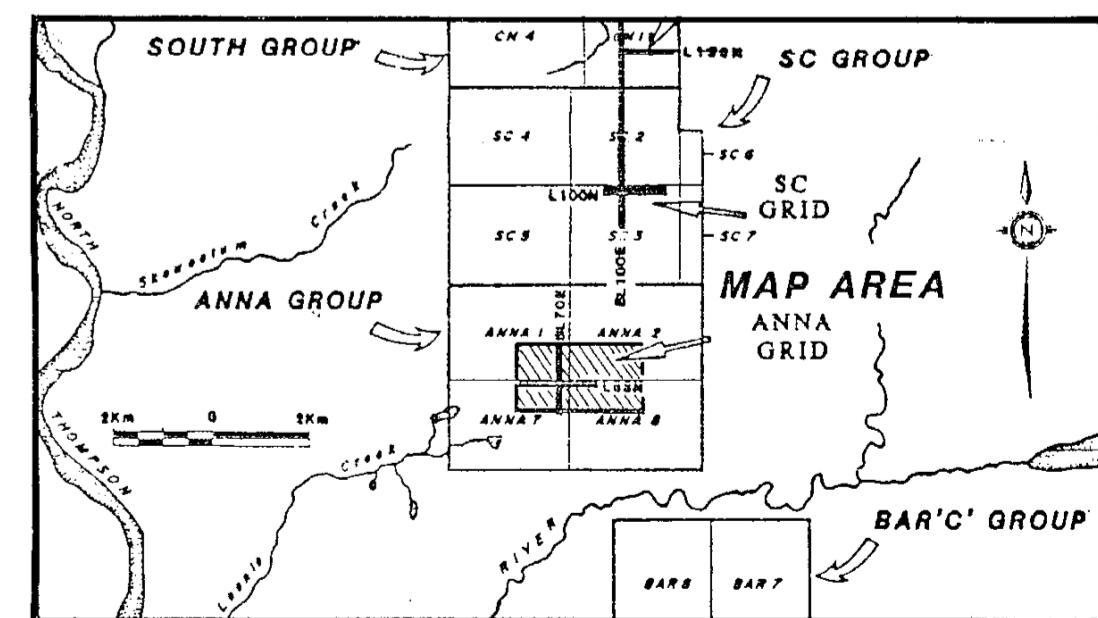
ROCK TYPE	ROCK TYPE TEXTURAL CODES
1 MAFIC VOLCANICS	1. Massive flows 2. Pillowed flows, breccia
2 INTERMEDIATE VOLCANICS	3. Tuff, ash buff 4. Lapilli tuff, lapilli and ash 5. Agglomerate (block size frags > 64mm)
3 FELSIC VOLCANICS	6. Tuff breccia 7. Debris flow (1,2, or 3 depending on predominant fragment types)
4 MAFIC INTRUSION	1. Diorite 2. Gabbro 3. Diabase
5 FELSIC INTRUSION	1. GPP
6 SEDIMENT	1. Chert, ribbon chert, chert breccia 2. Chert with argillite 3. Quartzite argillite fgr wacks 4. Quartz pebble conglomerate 5. Argillite/phyllite 6. Limestone 7. Greywacke (fgr quartz wacks) or greenwacke (contingent on chl content) 8. Limestone cobble breccia 9. Coarse wackes; grits; sandstones 10. Multilite pebble conglomerates (with micaceous clasts, argillite clasts etc.)

ABBREVIATIONS

GPP-quartz feldspar porphyry, bx-breccia, chl-chlorite, epi-epidote, arg-argillite, carb-carbonate, py-pyrite, fgr-fragments, sil-siltstone, tr-trace, lit-float, sil-siliceous, stwk-stockwork, grn-green, vol-volcanic fgr/mgr/cgr-fine, medium, coarse grained, qtz-quartz, monz-monzonite, incls-inclusion, dior-diorite, cpy-chalcopyrite, cong-conglomerate

SYMBOLS

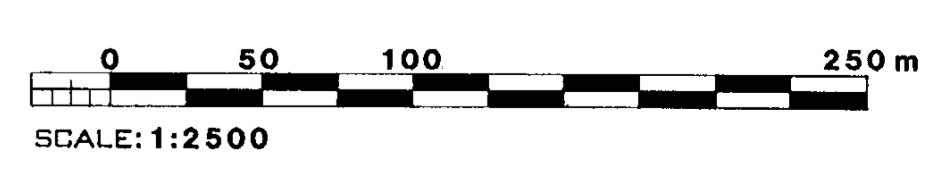
NOTE: CLAIM BOUNDARIES ARE APPROXIMATE
(FROM 1:50,000 GOVERNMENT CLAIM MAPS)



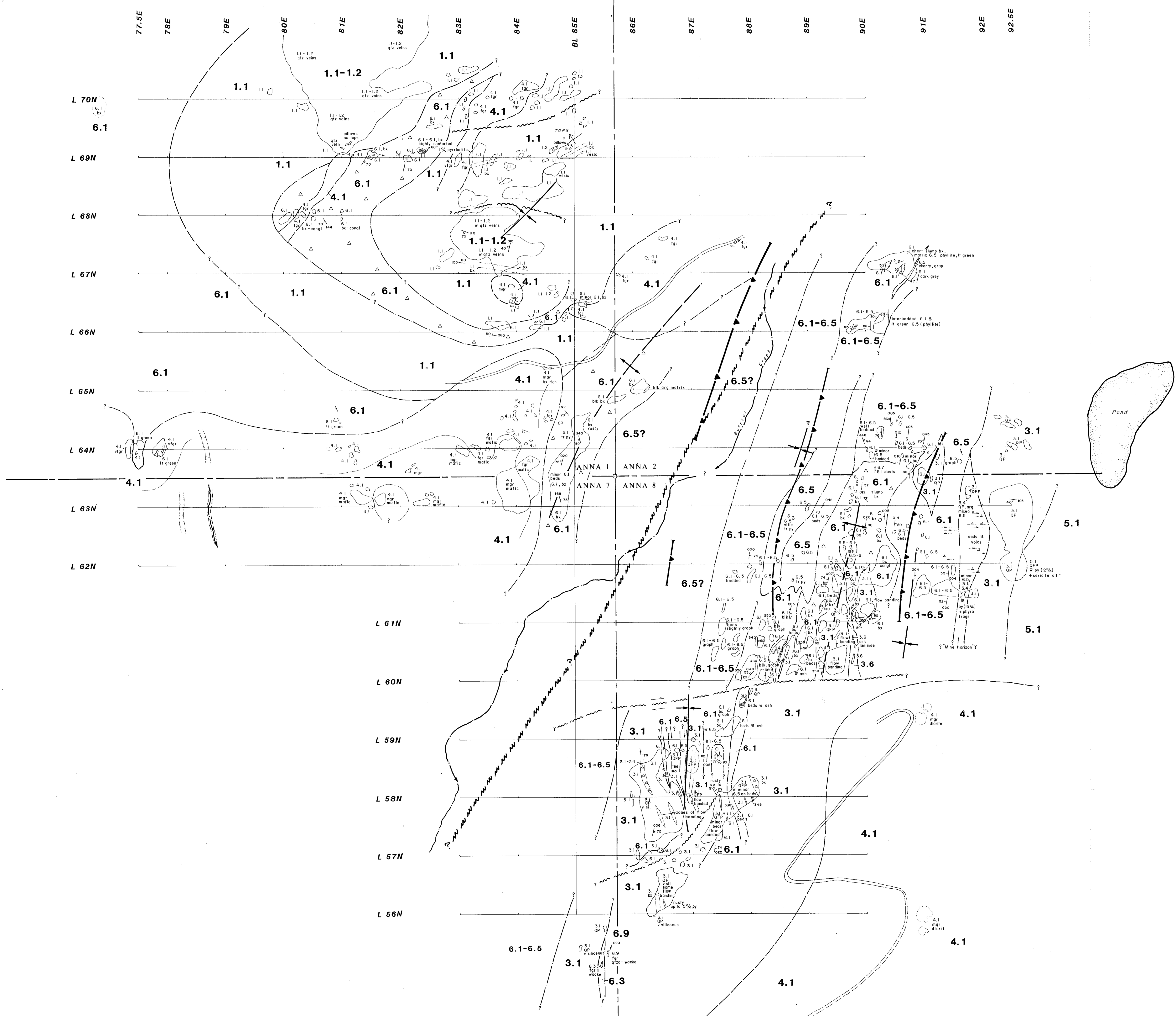
CORPORATION FALCONBRIDGE COPPER

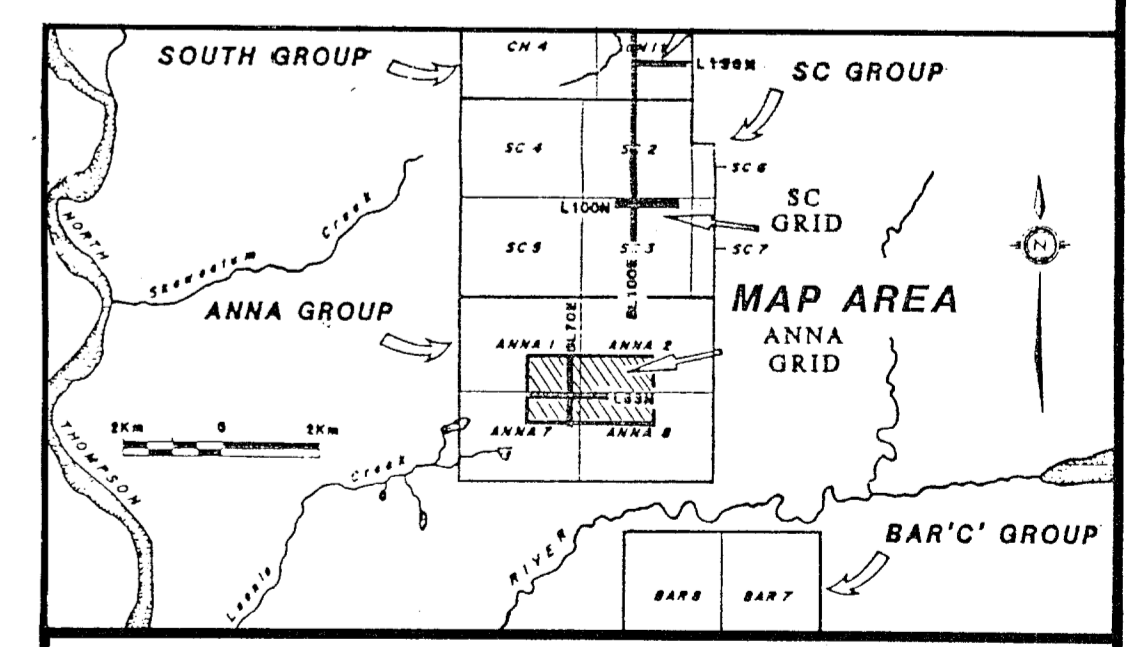
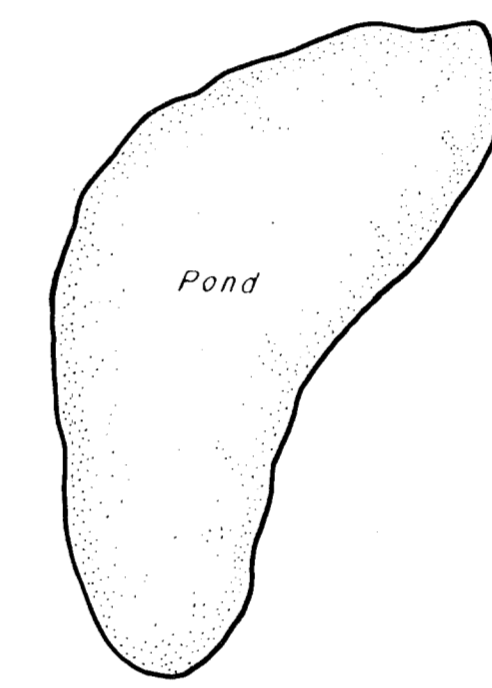
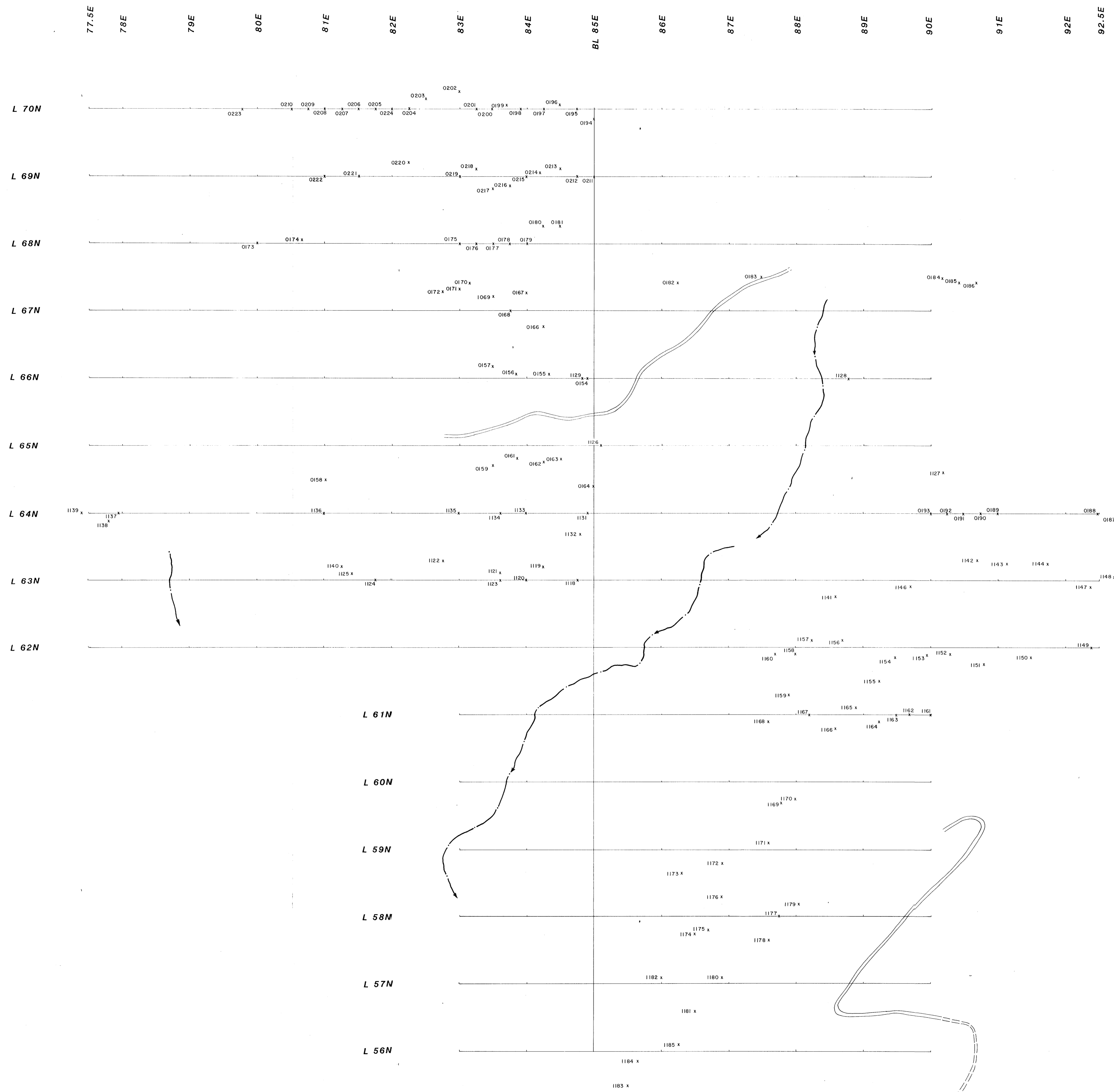
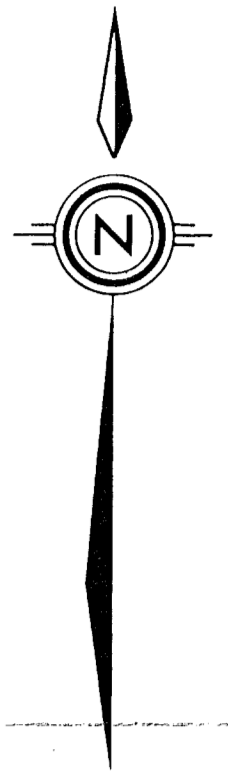
**BAR PROJECT
ANNA GRID**

- GEOLOGY -



	DRAWN BY: GE/eg	FIG. NO.:
	DATE: DEC. 1988	N.T.S. 82M/4W

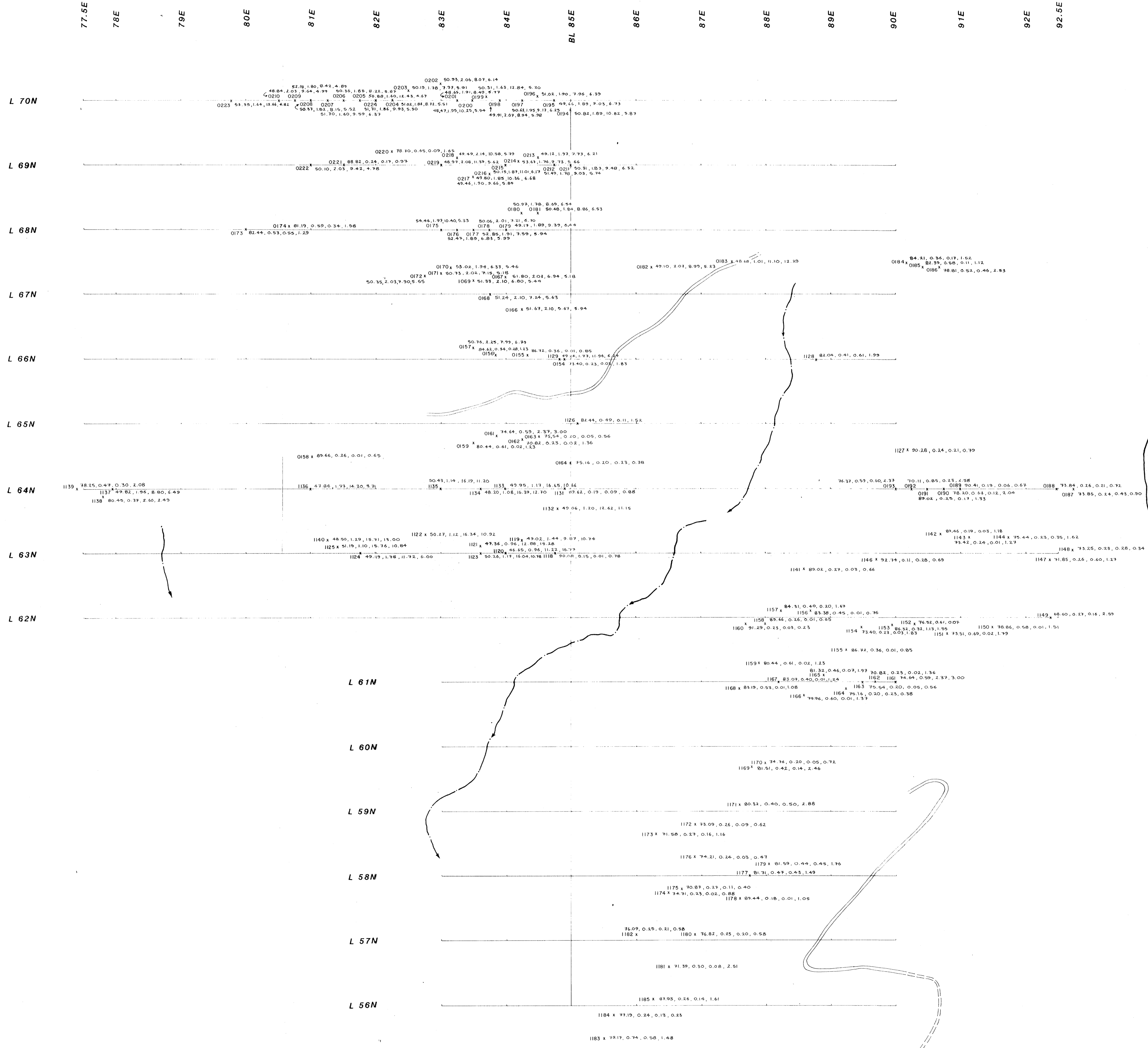
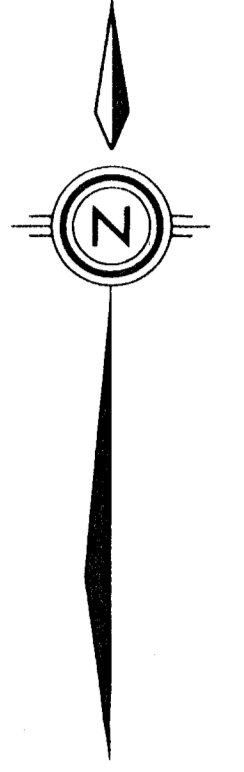




CORPORATION FALCONBRIDGE COPPER

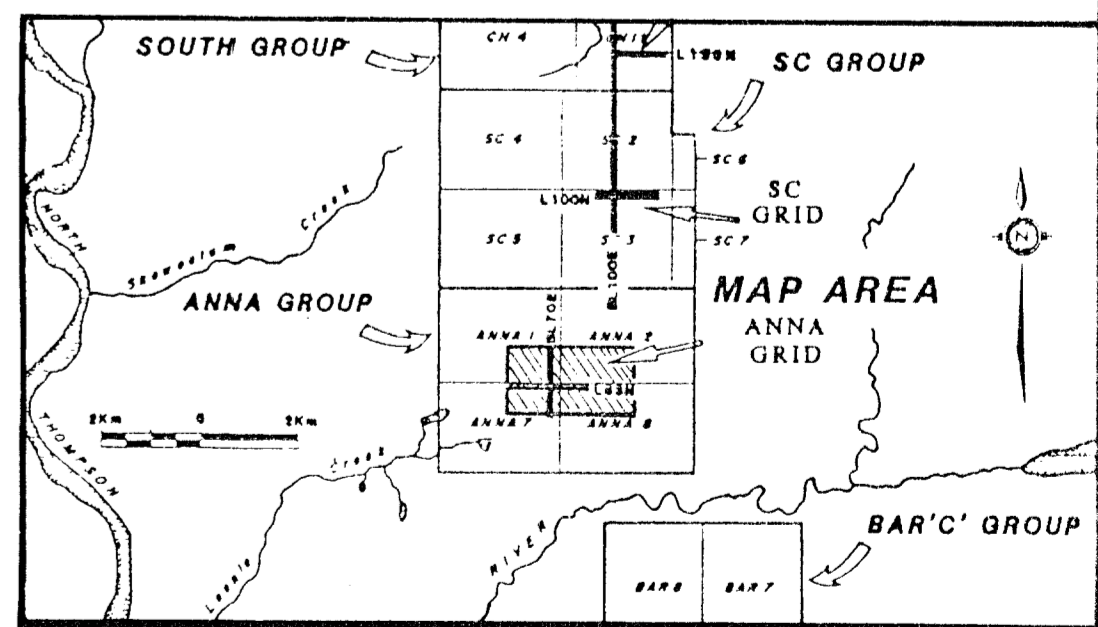
BAR PROJECT
ANNA GRID
LITHOGEOCHEMISTRY
SAMPLE LOCATIONS

0 50 100 250 m
SCALE: 1:2500



LEGEND

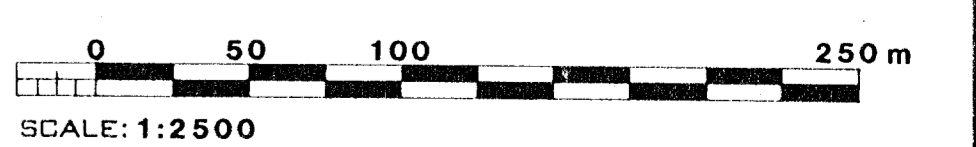
1146 x 92.74, 0.11, 0.28, 0.49
Sample location SiO₂, TiO₂, CaO, MgO %



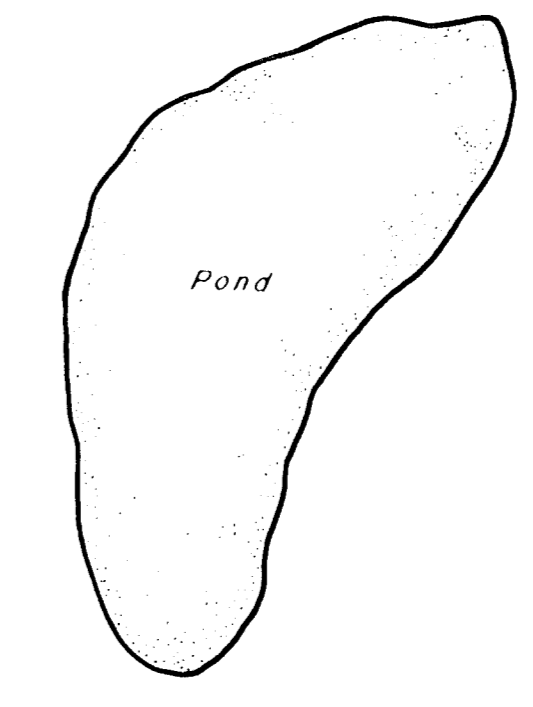
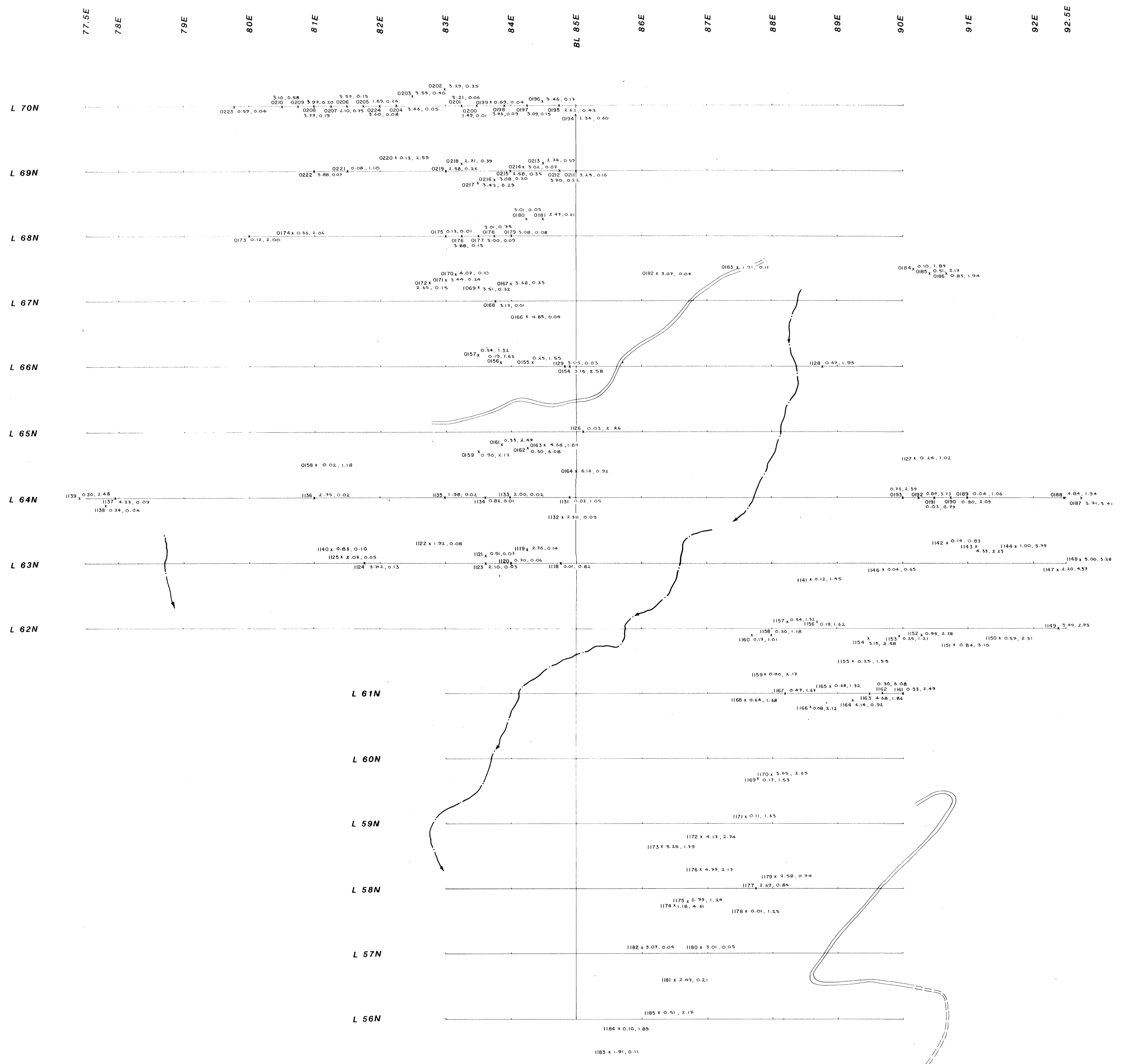
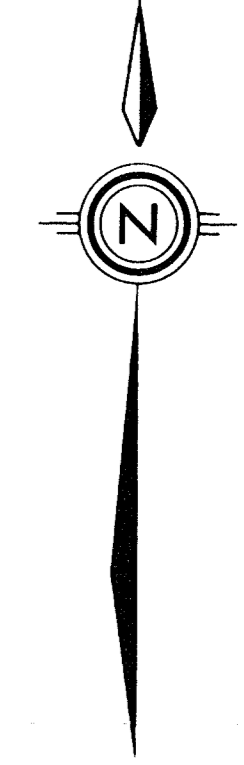
CORPORATION FALCONBRIDGE COPPER

**BAR PROJECT
ANNA GRID
LITHOGEOCHEMISTRY**

SiO₂, TiO₂, CaO, MgO %

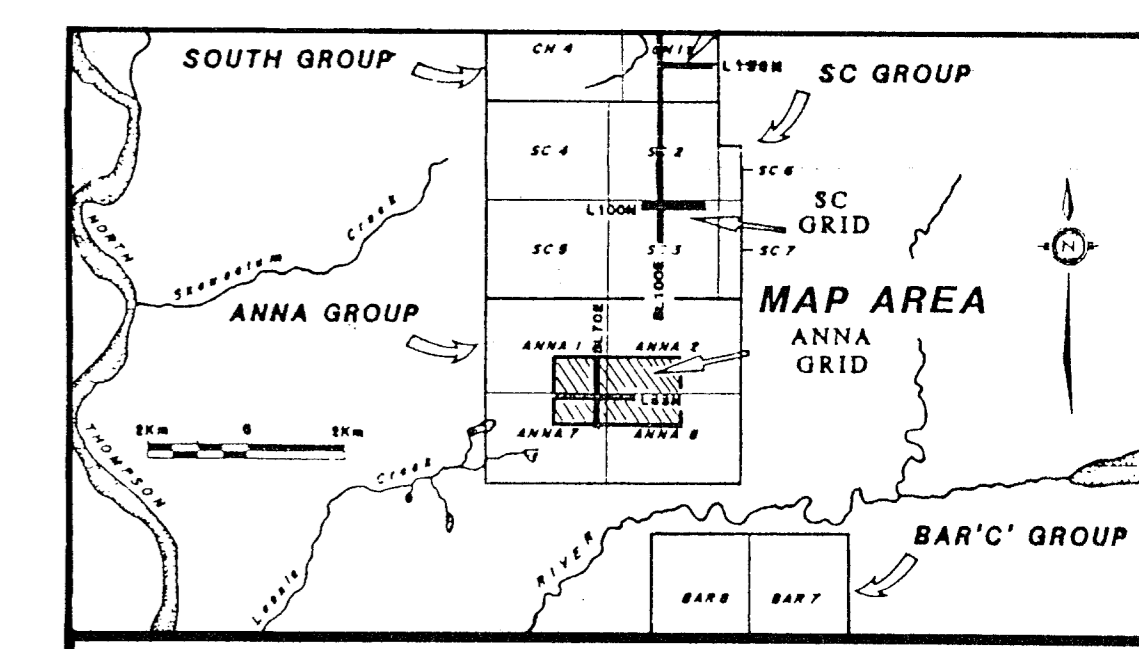


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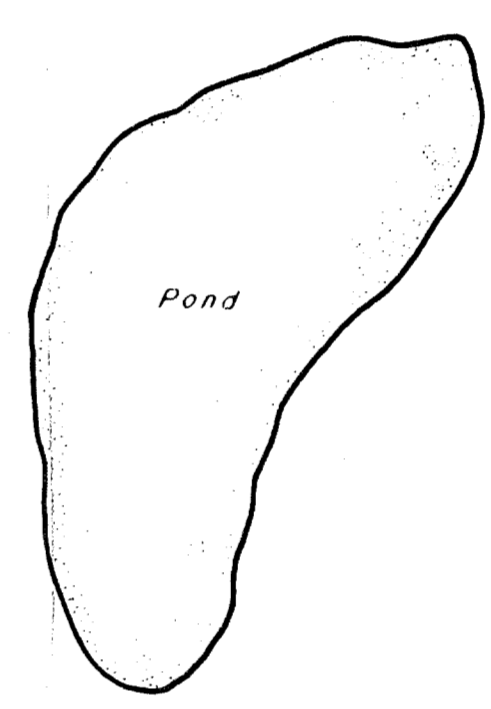
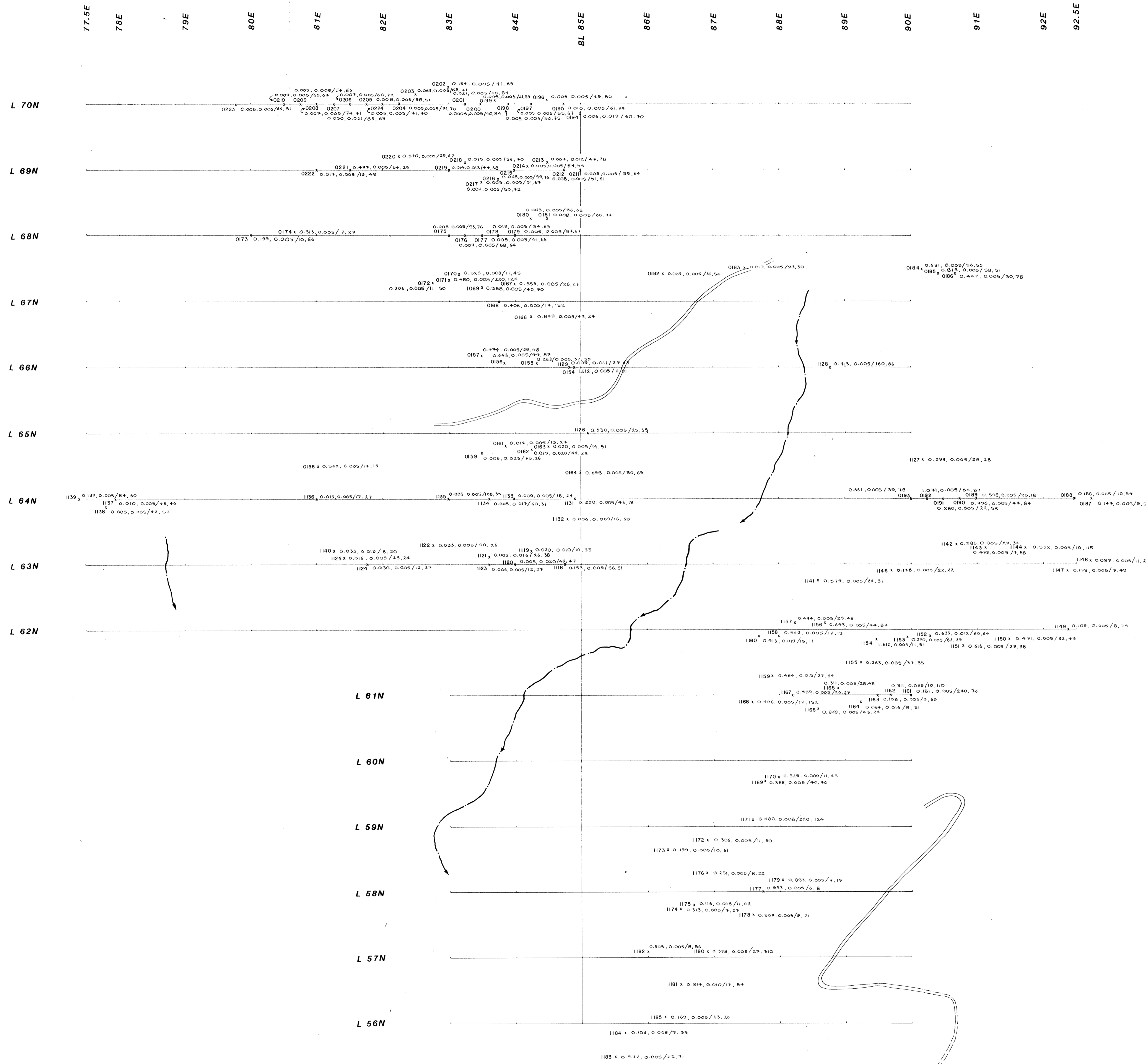
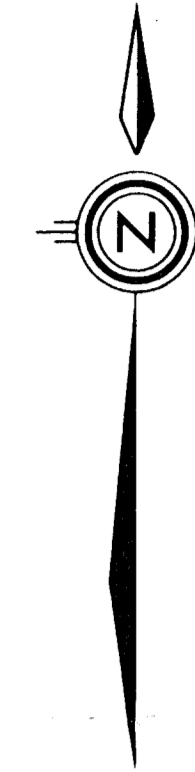


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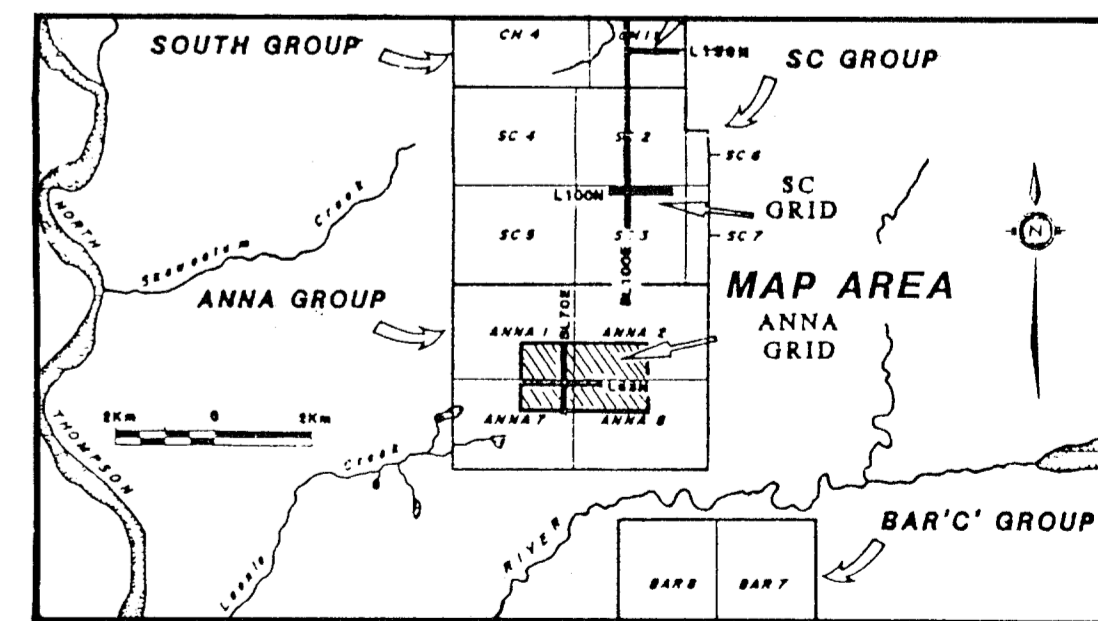
1146 x 0.04, 0.65
Sample location Na₂O, K₂O %



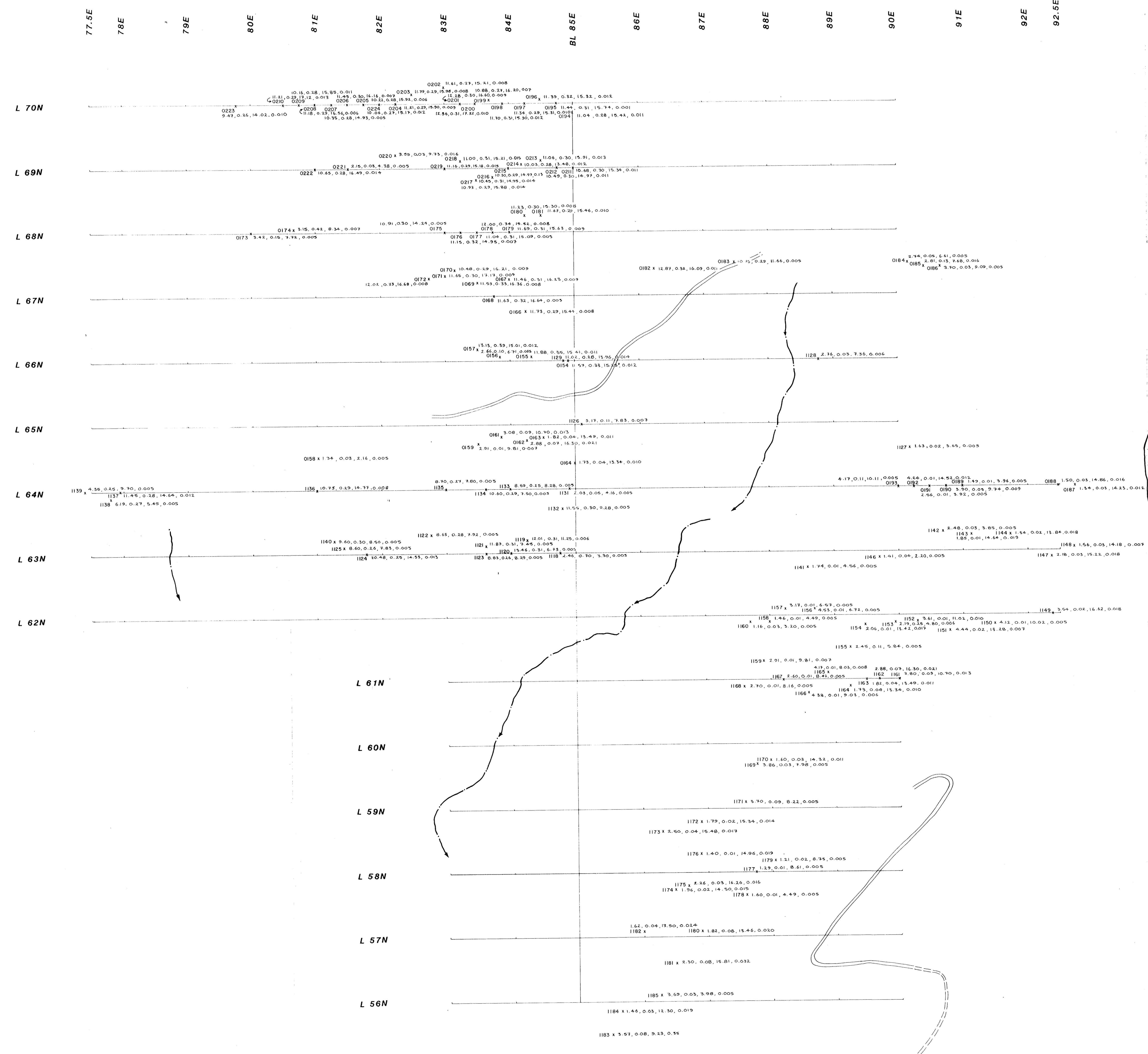
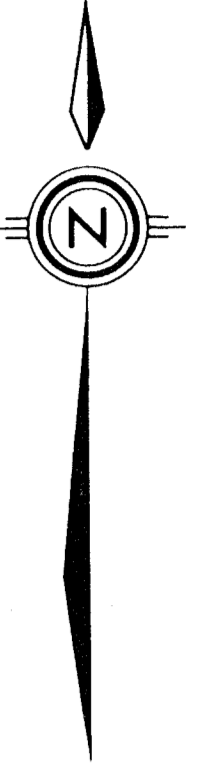
CORPORATION FALCONBRIDGE COPPER
BAR PROJECT
ANNA GRID
LITHOGEOCHEMISTRY
Na₂O, K₂O %
0 50 100 250 m
SCALE: 1:2500



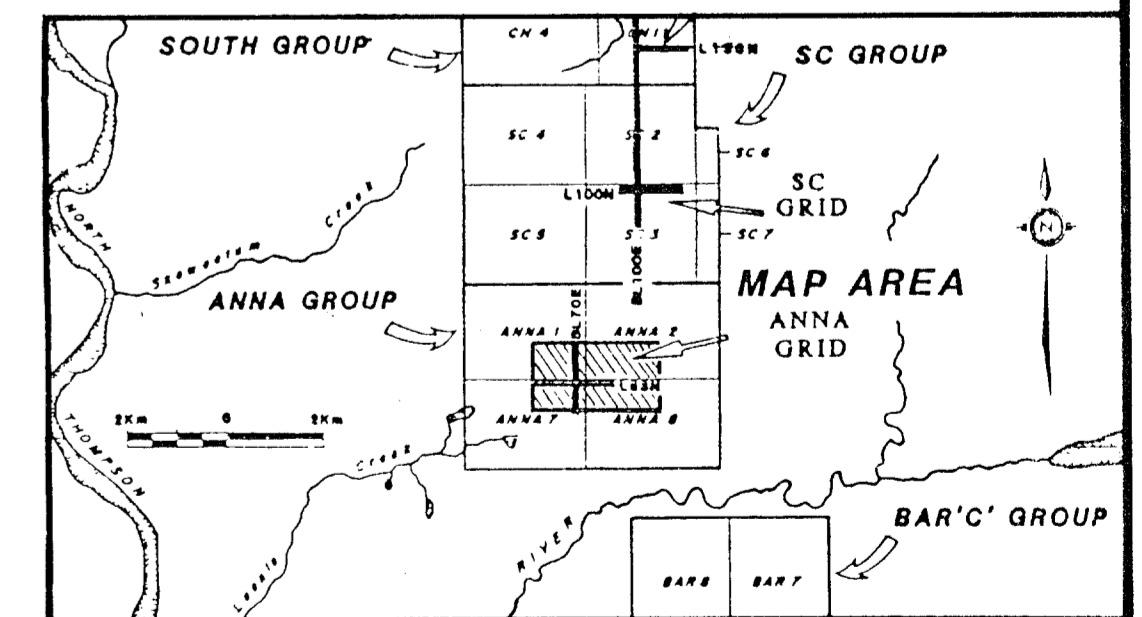
LEGEND
1146 x 0.148, 0.005/22.22
Sample location Ba, Pb %/Cu, Zn ppm



CORPORATION FALCONBRIDGE COPPER
BAR PROJECT
ANNA GRID
LITHOGEOCHEMISTRY
Ba, Pb %/Cu, Zn ppm
0 50 100 250 m
SCALE: 1:2500

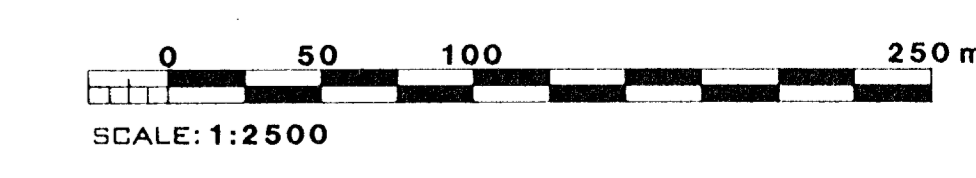


LEGEND
 1146 x 1.41, 0.04, 2.20, 0.005
 Sample location Fe₂O₃, MnO₂, Al₂O₃, Zr %



CORPORATION FALCONBRIDGE COPPER

BAR PROJECT
 ANNA GRID
LITHOGEOCHEMISTRY
 Fe₂O₃, MnO₂, Al₂O₃, Zr %



DRAWN BY: GE/eg	DATE: DEC. 1986	N.T.S. 82M/4W	FIG. NO.:
			6