

86-933-15466

10157

ASSESSMENT REPORT
 GEOCHEMICAL SURVEY
 ON THE
 ALLENDALE LAKE PROPERTY (NORA CLAIM GROUP)
 N.T.S. 82E/6W
 OSOYOOS MINING DIVISION

Latitude $49^{\circ}22.4'$ Longitude $119^{\circ}19.8'$

Owner/Operator: Noranda Exploration Co. Ltd.

Graham Gill, Geologist
 Noranda Exploration Company, Limited (no personal liability)
 October 24, 1986 - October 29, 1986

FILMED

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

15,466

SUB-RECORDER
 JAN 27 1987
 M.R. # _____ \$ _____
 VANCOUVER, B.C.

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I. INTRODUCTION

1. Location and Access

The Allendale Lake property is comprised of 40 units in the Osoyoos Mining Division on Mapsheet 82E/6. The property is located approximately 14 km east of Okanagan Falls.

Access to the property from Okanagan Falls is obtained via the Allendale Lake Road which parallels Shuttleworth Creek for approximately 17 km.

2. Topography and Physiography

The Allendale Lake property is situated within the Okanagan Highlands on the southeast flank of Mount Christie. The property is also bisected diagonally in a NE-SW trend by Shuttleworth Creek which drains Allendale Lake to the north of the claims. Relief of the property is generally moderate with an elevation range of between 1350 m (a.s.l.) and 1650 m (a.s.l.). The ground is vegetated with a secondary growth of spruce and alders.

3. Previous Work

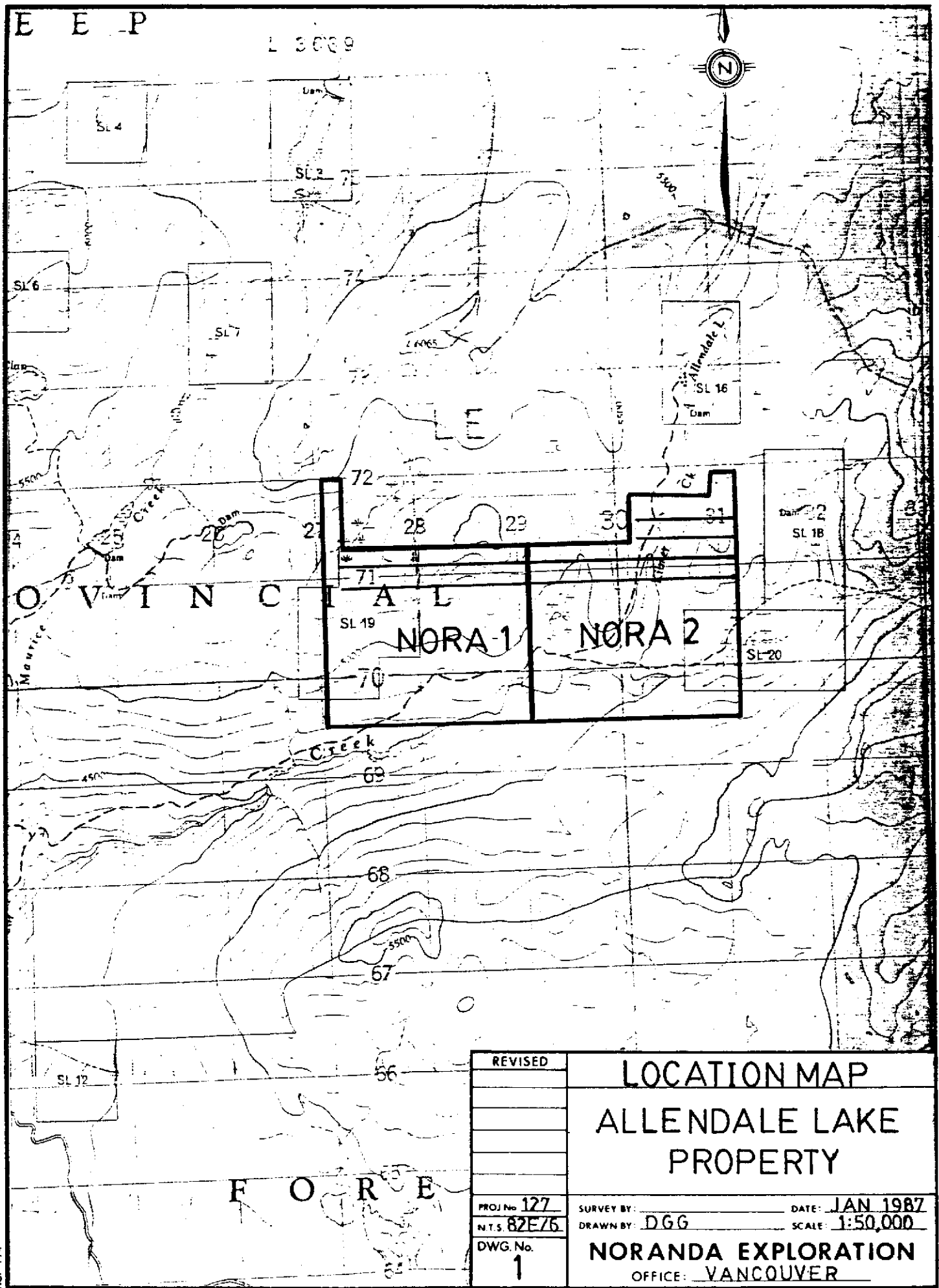
No other recorded exploration work has been done on the Nora group of claims. However, the property immediately to the north of these claims has been drilled in the 1970's by Selco and again in 1982 by Allendale Resource Corporation.

4. Owner - Operator

All of the 40 claim units comprising the Allendale Lake property are owned by Noranda Exploration Company, Limited of 1050 Davie Street, Vancouver, B.C. Noranda is the sole operator of the property.

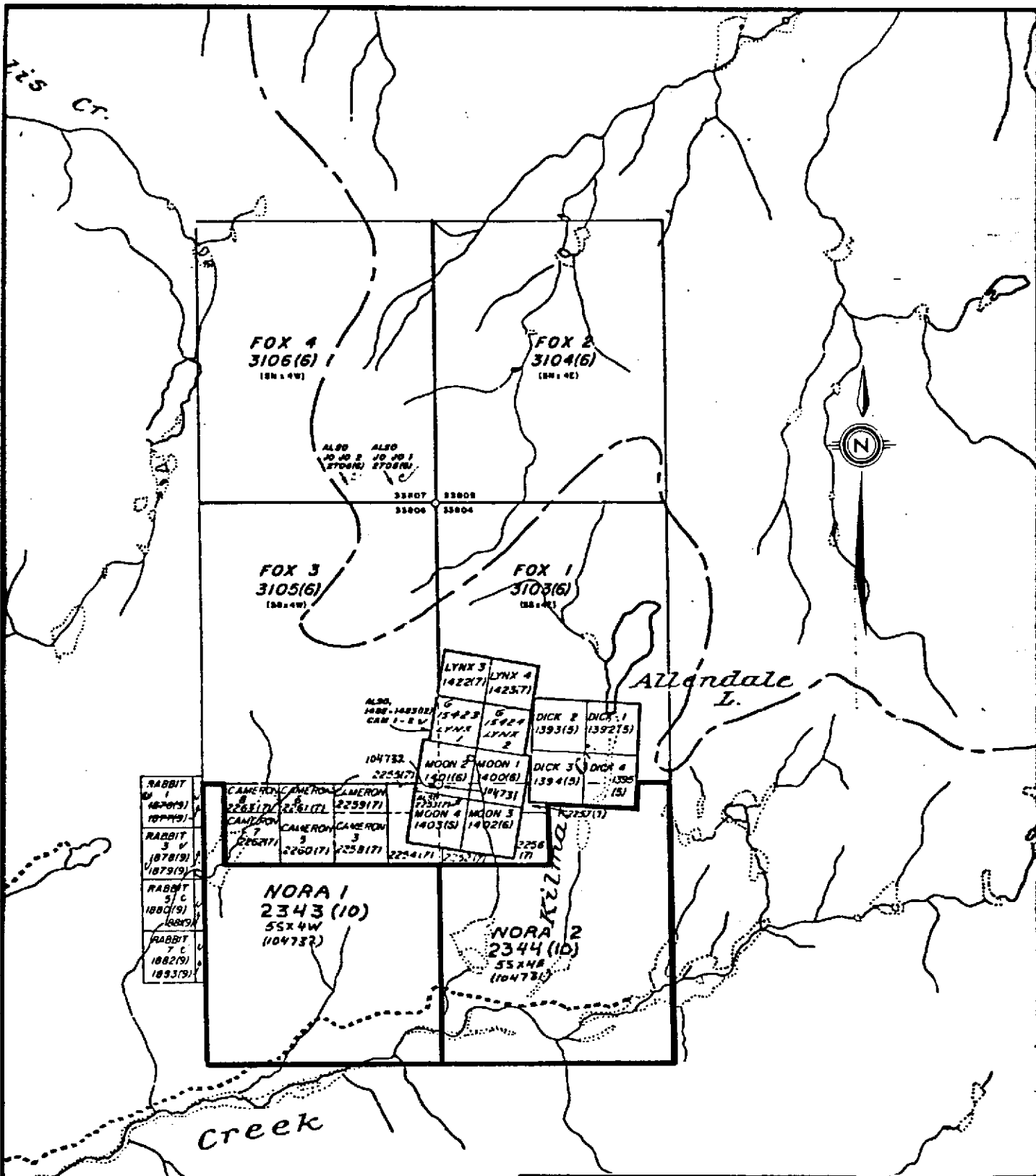
The following is a list of claims to which assessment work is being filed.

Claim Name	Owner	Record #	Units	Anniversary Date
Nora 1	Noranda Exploration Company, Limited (n.p.l)	2343	20	October 29, 1987
Nora 2	" "	2344	20	October 29, 1987



NO. 774

REVISED	LOCATION MAP	
	ALLENDALE LAKE	
	PROPERTY	
	PROJ No <u>127</u> N.T.S. <u>82E/76</u> DWG. No. <p style="text-align: center; font-size: 2em;">1</p>	SURVEY BY: DRAWN BY: <u>DGG</u> DATE: <u>JAN 1987</u> SCALE: <u>1:50,000</u>
NORANDA EXPLORATION OFFICE: <u>VANCOUVER</u>		



REVISED	CLAIM LOCATION	
	ALLENDALE LAKE	
	PROPERTY	
PROJ. No. 127	SURVEY BY:	DATE: JAN 1987
N.T.S. 82E/6	DRAWN BY: DGG	SCALE: 1:50,000
DWG. No. 2	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	

5. Economic Potential

Due to the existence of a multi-phased copper, silver rich Tertiary-Coryell syenite stock which has intruded both the Pre-Cambrian Monashee Group and the Cretaceous Valhalla and Nelson intrusives and lies immediately north of the Nora group of claims, it is believed that the latter may be a viable porphyry copper target.

II. SUMMARY OF WORK DONE

1. Linecutting

A total of 10.6 km of line was cut on the property between October 24, 1986 and October 29, 1986.

2. Geochemistry

Geochemical surveying on the afore mentioned cut lines consisted of collecting 200 soils spaced 50 m apart and analyzed for Cu, Pb, Zn, Ag and Au.

3. Claims Worked

All work during the report period was done on the Nora 1 (2343) and Nora 2 (2344) claims of the Nora group of claims by Amex Exploration Service of Box 286, Kamloops, B.C. V2C 5K6.

III. DETAILED TECHNICAL DATA

1. Geochemistry

i) Purpose

A total of 200 soils were collected on the Nora group of claims during the period between October 24 and October 26, 1986 to determine the mineral potential of the area.

ii) Techniques

Soil sampling of the A and B soil horizons was completed along flagged and metrically cut grid lines at a space of 50 m. Wing lines of this grid varied from 1.0 to 4.0 km in length spaced 200 m apart. Samples were taken with the aid of a shovel or maddock to a depth of 15 - 45 cm and then placed in brown 3½" x 6 1/8" open-ended Kraft envelopes for shipping and handling. All samples were sent to Noranda's geochemical laboratory at 1050 Davie Street, Vancouver, B.C.

Appendix I is a flow sheet of analytical technique used in the Noranda laboratory. Appendix II is a list of all samples and their geochemical results.

iii) Discussion of Results

Geochemical results of the soils, are listed in Appendix II. Drawings show locations and results of these samples. In case of anomalous soil results the drawings have been contoured based on threshold and first and second order anomalies obtained by statistical methods.

Gold: All samples taken on the grid of the Nora group of claims were analyzed for gold. However, none of the soils taken revealed any value over 10 ppb. Therefore this element has been determined of little significance to this study and has not been contoured.

Copper: All samples on the grid were analyzed for copper. Threshold and first and second order soil anomalies were derived by statistics and were determined to be 23 ppm, 30 ppm and 37 ppm respectively. Copper results ranged from a low of 4 ppm to a high of 50 ppm. These values have been contoured on Drawing #4. Only 10 spot copper anomalies were observed on the grid lines 116+00N and 114+00N between 7000E and 9050E.

Zinc: Threshold, first and second order anomalies for zinc in soils were determined to be 80 ppm, 96 ppm and 112 ppm respectively. The lowest value obtained was 32 ppm and the highest result was 140 ppm. These values are contoured on Drawing #5. Only 7 spot Zn anomalies were observed on the Nora grid. Only one of these anomalies was large enough to cross 2 lines and shows a northerly trend between lines 114+00N and 116+00N centered on Station 79+75E.

Lead: All samples were analyzed for lead. Threshold, first and second order anomalies were derived by statistics and found to be 3 ppm, 4 ppm and 5 ppm respectively. The lowest value returned was 1.0 ppm and the highest value was 6.0 ppm. See Drawing #6 for contoured values. Several spot anomalies of 4.0 ppm as well as a couple of broader, yet equally as low in value, anomalies are found scattered across the grid. The broader zones all show a northerly trend and are located as such:

1. Between lines 114+00N, 116+00N and 118+00N centered at 90+50E.
2. Between lines 114+00N and 116+00N centered on 93+50E.
3. Between lines 114+00N and 116+00N centered on 79+75E.

The latter anomaly is coincident with the largest zinc anomaly.

Silver: All samples taken were analyzed for silver. Statistical methods returned values of .214 ppm, .228 ppm and .242 ppm for threshold, first and second order anomalies respectively. Only one spot anomaly of silver exists on this grid on line 116+00N at 8600E with a high value of 0.4 ppm. This anomaly is contoured on Drawing #7. This anomaly is partially coincident with a spot lead anomaly (Drawing #6).

IV. CONCLUSIONS AND RECOMMENDATIONS

Although slight anomalous results were obtained with each element (except for gold), the background values for these elements are also very low. Therefore, the geochemical survey done on this grid shows no significant base or precious metal mineralization.

Geological mapping at a scale of 1:2,500 should be done to the south and on the existing grid before any other surveys are undertaken. Interesting geological structures or units may then be rock sampled coupled with selective soil geochemical sampling.

Geophysical surveys may be warranted at a later date pending any interesting results from the above and to delineate possible fault centres, breccia pipes, or volcanic cauldres associated with a porphyry type deposit.

REFERENCES

Kerr, John R., (1983) Summary Report on the Allendale Lake Property.

APPENDIX I
ANALYTICAL TECHNIQUES

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

Revised:01/86

The methods listed are presently applied to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984)

Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples) are analysed in its entirety, when it is to be determined for gold without further sample preparation. See addendum.

Analysis of Samples.

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method

Antimony - Sb: 0.2 g sample is attacked with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95° C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.4 g sample is digested with 1.5 mL of 70 % perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

Barium - Ba: 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

Gold - Au: 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

Magnesium - Mg: 0.05 - 0.10 g sample is digested with 4 ml perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

LOWEST VALUES REPORTED IN PPM

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.01 (10PPB)
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

APPENDIX II
GEOCHEMICAL RESULTS

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	PPB Au	GRID
7	10900E-10475N	68	480	46	0.6	10	HOPE
8	10500	46	660	72	0.4	10	
9	10525	38	990	84	0.6	10	
10	10550	76	900	50	0.4	10	
11	10575	90	1700	180	1.2	10	
12	10600	140	1200	140	0.4	10	
13	10625	52	1600	66	0.8	10	
14	10650	280	1000	150	2.0	10	
15	10675	20	420	62	0.6	10	
16	10700	14	400	60	0.6	10	
17	10725	28	320	22	0.4	10	
18	10750	16	400	26	0.2	50	
19	10775	22	430	34	0.4	10	
20	10800	28	720	72	0.4	10	
21	10825	26	1200	72	0.4	10	
22	10850	42	2500	98	0.6	10	
23	10875	20	550	90	0.4	10	
24	10900	12	380	68	0.2	10	
25	10925	22	650	70	0.6	10	
26	10950	18	520	58	0.4	10	
27	10975	20	290	30	0.2	10	
28	10900E-11000N	22	840	62	0.4	10	HOPE
29	11400N-6000E	12	42	1	0.2	10	NORA
30	6050	14	46	1	0.2	10	
31	6100	12	42	2	0.2	10	
32	6150	10	46	1	0.2	10	
33	6200	12	44	2	0.2	10	
34	6250	10	38	4	0.2	10	
35	6300	10	36	1	0.2	10	
36	6350	12	58	2	0.2	10	
37	6400	10	44	1	0.2	10	
38	6450	8	40	2	0.2	10	
39	6500	12	50	1	0.2	10	
40	6550	12	42	2	0.2	10	
41	6600	12	46	2	0.2	10	
42	6650	12	56	1	0.2	10	
43	6700	10	66	1	0.2	10	
44	6750	12	60	2	0.2	10	
45	6800	10	66	4	0.2	10	
46	6850	14	78	4	0.2	10	
47	6900	12	72	2	0.2	10	
48	6950	10	62	2	0.2	10	
49	7000	30	58	2	0.2	10	
50	7050	18	42	2	0.2	10	
51	7100	14	54	1	0.2	10	
52	7150	18	40	1	0.2	10	
53	7200	26	40	2	0.2	10	
54	7250	24	48	4	0.2	10	
55	7300	20	42	1	0.2	10	
56	7350	22	52	2	0.2	10	
57	7400	16	46	1	0.2	10	
58	7450	30	42	1	0.2	10	
59	7500	24	68	2	0.2	10	
60	7550	22	68	2	0.2	10	
61	7600	24	76	2	0.2	10	
62	7650	20	70	2	0.2	10	
63	11400N-7700E	24	34	2	0.2	10	NORA

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	PPR Au	GRID
64	11400N-7750E	20	70	4	0.2	10	NORA
65	7800	38	70	1	0.2	10	
66	7850	18	68	2	0.2	10	
67	7900	30	72	2	0.2	10	
68	7950	26	82	4	0.2	10	
69	8000	18	80	4	0.2	10	
70	8050	16	44	1	0.2	10	
71	8100	40	64	4	0.2	10	
72	8150	22	70	2	0.2	10	
73	8200	24	54	2	0.2	10	
74	8400	20	82	2	0.2	10	
75	8450	22	72	4	0.2	10	
76	8500	16	58	2	0.2	10	
77	8550	14	74	2	0.2	10	
78	8600	22	66	2	0.2	10	
79	8650	30	56	1	0.2	10	
80	8700	32	58	4	0.2	10	
81	8750	18	54	1	0.2	10	
82	8800	14	54	2	0.2	10	
83	8850	14	62	1	0.2	10	
84	8900	10	60	1	0.2	10	
85	8950	16	66	2	0.2	10	
86	9000	16	60	1	0.2	10	
87	9050	18	92	2	0.2	10	
88	9100	14	72	2	0.2	10	
89	9150	14	98	1	0.2	10	
90	9200	16	74	2	0.2	10	
91	9250	12	72	2	0.2	10	
92	9300	14	82	4	0.2	10	
93	9350	18	72	4	0.2	10	
94	9400	14	84	1	0.2	10	
95	9450	18	76	1	0.2	10	
96	9500	12	66	1	0.2	10	
97	9550	12	70	2	0.2	10	
98	9600	12	72	2	0.2	10	
99	9650	14	66	2	0.2	10	
100	CHECK NL-5	28	72	70	1.4	-	
101	9700	14	72	6	0.2	10	
102	9750	12	60	2	0.2	10	
103	9800	18	70	1	0.2	10	
104	9850	12	78	1	0.2	10	
105	9900	10	52	1	0.2	10	
106	9950	10	60	4	0.2	10	
107	11400N-10000E	10	60	2	0.2	10	
125	11600N-6000E	8	60	4	0.2	10	
126	6050	8	48	1	0.2	10	
127	6100	6	44	1	0.2	10	
128	6150	10	50	2	0.2	10	
129	6200	18	46	2	0.2	10	
130	6250	14	48	2	0.2	10	
131	6300	8	46	1	0.2	10	
132	6350	10	40	1	0.2	10	
133	6400	12	54	1	0.2	10	
134	6450	4	34	1	0.2	10	
135	6500	10	40	1	0.2	10	
136	6550	10	60	2	0.2	10	
137	11600N-6600E	8	40	1	0.2	10	NORA

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	FPB Au	GRID
138	11600N-6650E	10	50	1	0.2	10	NORA
139	6700	10	44	2	0.2	10	
140	6800	6	58	1	0.2	10	
141	6850	12	78	1	0.2	10	
142	6900	14	58	1	0.2	10	
143	6950	12	56	1	0.2	10	
144	7000	18	74	1	0.2	10	
145	7050	14	66	1	0.2	10	
146	7100	26	82	1	0.2	10	
147	7150	24	48	2	0.2	10	
148	7200	14	42	1	0.2	10	
149	7250	18	44	1	0.2	10	
2	7300	16	58	2	0.2	10	
3	7350	18	48	1	0.2	10	
4	7400	12	32	1	0.2	10	
5	7450	18	40	2	0.2	10	
6	7500	16	46	1	0.2	10	
7	7550	16	70	1	0.2	10	
8	7600	20	66	1	0.2	10	
9	7650	18	86	2	0.2	10	
10	7700	32	74	1	0.2	10	
11	7750	18	110	2	0.2	10	
12	7800	12	80	2	0.2	10	
13	7850	44	74	2	0.2	10	
14	7900	18	84	1	0.2	10	
15	7950	28	98	2	0.2	10	
16	8000	22	140	4	0.2	10	
17	8050	28	74	2	0.2	10	
18	8100	10	54	1	0.2	10	
19	8150	12	60	1	0.2	10	
20	8200	12	56	2	0.2	10	
21	8250	18	54	1	0.2	10	
22	8300	14	46	2	0.2	10	
23	8350	16	68	1	0.2	10	
24	8400	38	98	2	0.2	10	
25	8450	50	70	2	0.2	10	
26	8500	18	74	1	0.2	10	
27	8550	12	66	4	0.2	10	
28	8600	16	68	4	0.4	10	
29	8650	12	66	1	0.2	10	
30	8700	24	64	2	0.2	10	
31	8750	30	76	2	0.2	10	
32	8800	28	76	4	0.2	10	
33	8850	16	72	1	0.2	10	
34	8900	14	72	2	0.2	10	
35	8950	12	86	2	0.2	10	
36	9000	10	78	2	0.2	10	
37	9050	32	50	2	0.2	10	
38	9100	20	90	2	0.2	10	
39	9150	12	80	4	0.2	10	
40	9200	12	74	2	0.2	10	
41	9250	16	80	2	0.2	10	
42	9300	12	56	2	0.2	10	
43	9350	10	62	4	0.2	10	
44	9400	16	74	2	0.2	10	
45	9450	10	80	2	0.2	10	
46	11600N-9500E	10	76	2	0.2	10	NORA

T. T. No.	SAMPLE No.	Cu	Zn	Pb	Ag	PPB Au	GRID
47	11600N-9550E	12	72	1	0.2	10	NORA
48	9600	12	66	2	0.2	10	
49	9650	12	78	2	0.2	10	
50	9700	10	66	2	0.2	10	
51	9750	16	58	4	0.2	10	
52	9800	12	64	2	0.2	10	
53	9850	12	98	4	0.2	10	
54	9900	12	92	2	0.2	10	
55	9950	18	78	4	0.2	10	
56	11600N-10000E	16	74	4	0.2	10	
57	11800N-9000E	20	64	2	0.2	10	
58	9050	16	84	1	0.2	10	
59	9100	26	72	2	0.2	10	
60	9150	20	76	2	0.2	10	
61	9200	16	76	2	0.2	10	
62	9250	12	90	1	0.2	10	
63	9300	16	74	1	0.2	10	
64	9350	16	68	2	0.2	10	
65	9400	12	78	1	0.2	10	
66	9450	14	68	1	0.2	10	
67	9500	18	62	2	0.2	10	
68	9550	14	54	2	0.2	10	
69	9600	12	46	1	0.2	10	
70	9650	14	58	1	0.2	10	
71	9700	12	70	1	0.2	10	
72	9750	14	62	2	0.2	10	
73	9800	16	66	1	0.2	10	
74	9850	16	52	2	0.2	10	
75	9900	18	98	2	0.2	10	
76	9950	14	78	4	0.2	10	
77	11800N-10000E	12	66	2	0.2	10	
78	12000N-9000E	22	46	1	0.2	10	
79	9050	22	52	1	0.2	10	
80	9100	12	70	2	0.2	10	
81	9150	18	66	1	0.2	10	
82	9200	12	40	1	0.2	10	
83	9250	22	110	4	0.2	10	
84	9300	14	100	2	0.2	10	
85	9350	20	78	2	0.2	10	
86	9400	10	62	1	0.2	10	
87	9450	10	60	1	0.2	10	
88	9500	10	46	1	0.2	10	
89	9550	10	56	1	0.2	10	
90	9600	6	44	1	0.2	10	
91	9650	10	46	2	0.2	10	
92	9700	12	48	1	0.2	10	
93	9750	28	72	1	0.2	10	
94	9800	18	54	1	0.2	10	
95	9850	14	48	1	0.2	10	
96	9900	14	56	1	0.2	10	
97	9950	10	80	1	0.2	10	
98	12000N-10000E	10	62	1	0.2	10	NORA

APPENDIX III
STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED
STATEMENT OF COSTS

PROJECT: Allendale Lake Property
TYPE OF REPORT: Geochemical

DATE: January 1987

a) Wages:
No. of Days
Rate per Day \$
Dates From:
Total Wages x \$

b) Food & Accomodations:
No. of Days
Rate per Day \$
Dates From:
Total Costs x \$

c) Transportation:
No. of Days
Rate per Day \$
Dates From:
Total Costs x \$

d) Instrument Rental:
Type of Instrument
No. of Days
Rate per Day \$
Dates From:
Total Costs x \$

Type of Instrument
No. of Days
Rate per Day \$
Dates From:
Total Costs x \$

e) Analysis: (See attached schedule)	1,380.00
f) Cost of preparation of Report	
Author:	109.09
Drafting:	109.09
Typing:	109.09
g) Other:	
Contractor - Amex Exploration Service	
Linecutting	1,930.00

Total Cost	3,637.53
------------	----------

h) Unit costs for Geochem	
No. of Days	
No. of Units 200 samples	
Unit costs \$8.54 / sample	
Total Cost \$8.54 x 200	1,707.27

i) Unit costs for Linecutting	
No. of Days	
No. of Units 10.6 km	
Unit costs \$182.10 / Km	
Total Costs \$182.10 x 10.6	1,930.26

GRAND TOTAL	<u>\$3,637.53</u>
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NORANDA EXPLORATION COMPANY, LIMITED
(WESTERN DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: Allendale Lake Property

<u>ELEMENT</u>	<u>NO. OF DETERMINATIONS</u>	<u>COST PER DETERMINATION</u>	<u>TOTAL</u>
Cu	200	1.60	320.00
Pb	200	0.60	120.00
Zn	200	0.60	120.00
Ag	200	0.60	120.00
Au	200	3.50	700.00
			<hr/>
			\$1,380.00

APPENDIX IV
STATEMENT OF QUALIFICATIONS

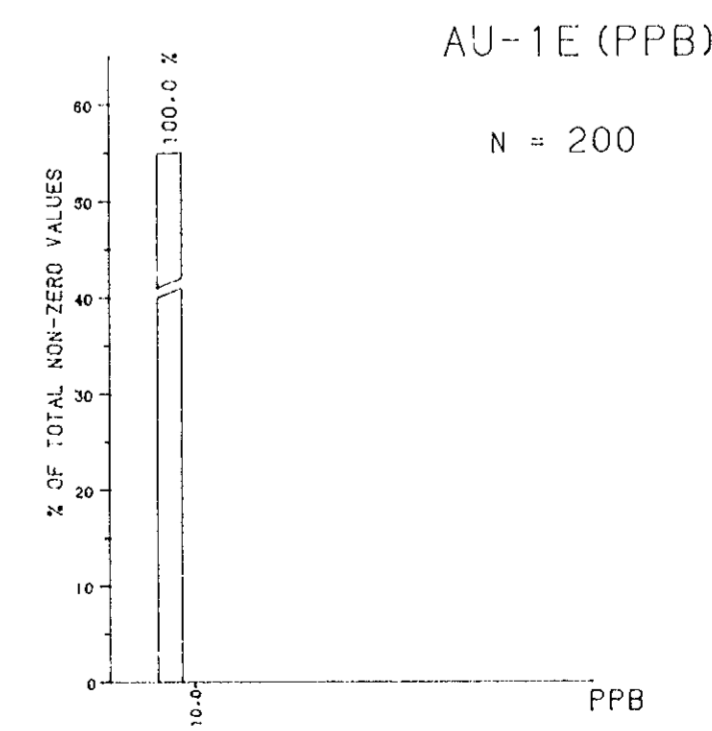
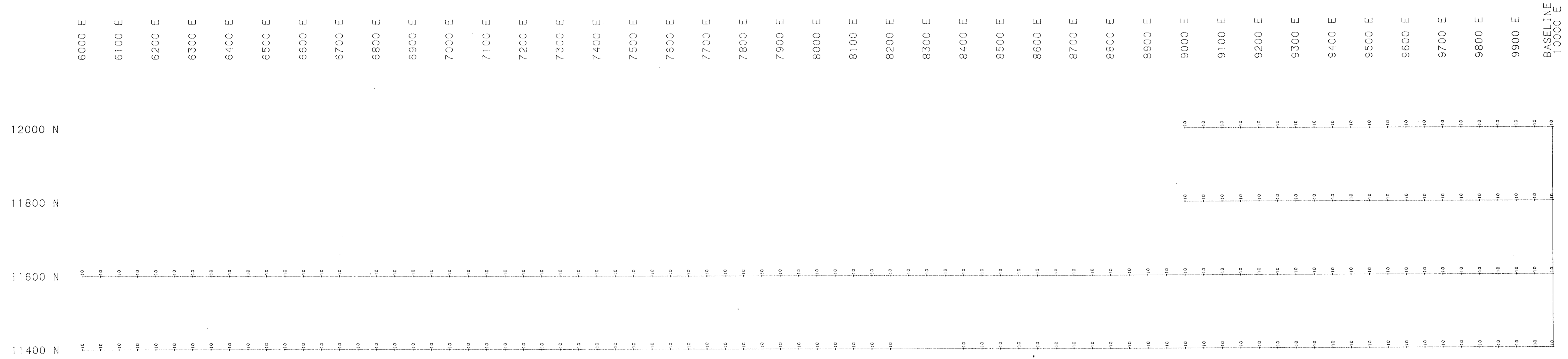
STATEMENT OF QUALIFICATIONS

I, D. Graham Gill of the City of Vancouver, Province of British Columbia, hereby certify that:

1. I am a geologist residing at 1272 - 52nd. Street, Delta, B.C.
2. I have graduated from the University of British Columbia in 1983 with a B.Sc in geology.
3. I have worked in mineral exploration since 1979.
4. I have been employed by Noranda Exploration Company, Limited since May, 1983.

D. Graham Gill

D. Graham Gill

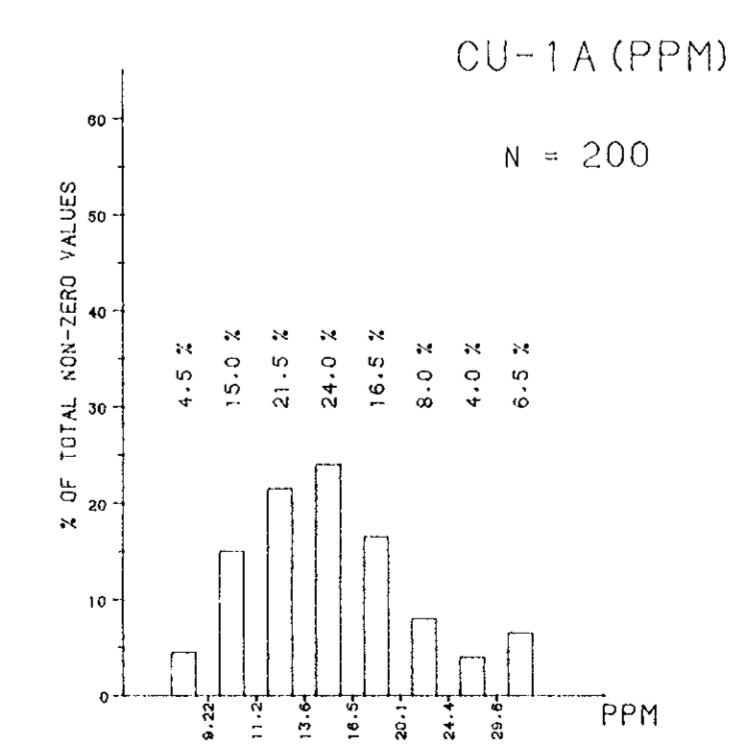
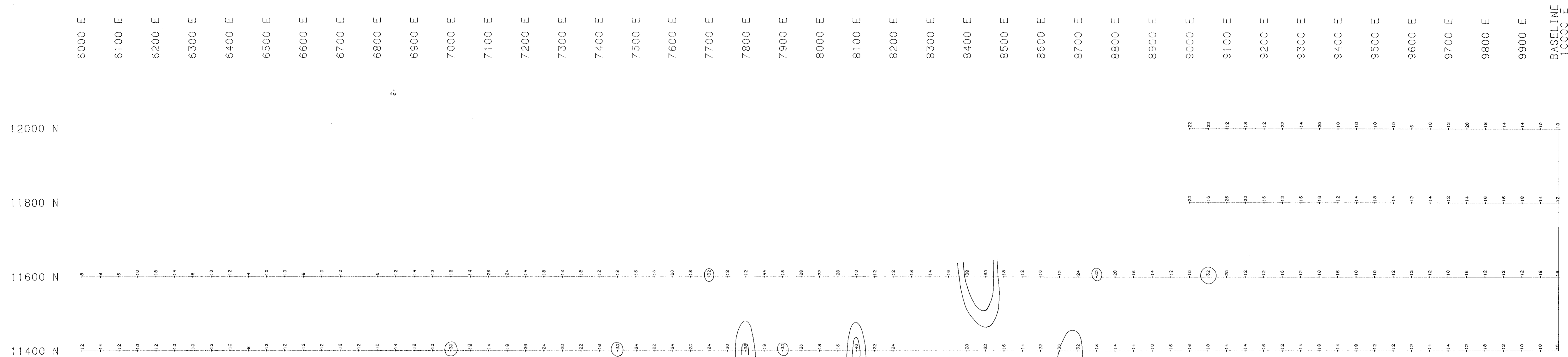


SUMMARY STATISTICS FOR AU (1E)
 STATISTICS BASED ON 200 VALUES
 LOW VALUE: 10 HIGH VALUE: 10
 LOGARITHMIC STATISTICS
 MEAN = 10.00 STD. DEV. = 0.004 (LOG)
 MEAN-1S = 9.91 MEAN+1S = 10.09
 MEAN-2S = 9.83 MEAN+2S = 10.17
 ALL VALUES IN PPB

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

15,466

NORA	
SOIL GEOCHEMISTRY GOLD IN PPB	
PROJ. NO. 860164	SURVEY BY: GED. DATE: JAN. 15, 1987
N.T.S. 082E08	DRAWN BY: EDP/YANG. SCALE: 1:15000
DWG. NO. 3	NORANDA EXPLORATION OFFICE: VANCOUVER



SUMMARY STATISTICS FOR CU (IA)
 STATISTICS BASED ON 200 VALUES
 LOW VALUE = 4.0 HIGH VALUE = 50
 LOGARITHMIC STATISTICS:
 MEAN = 14.99 STD. DEV. = 0.169 (LOG)
 MEAN-1S = 10.16 MEAN+1S = 20.12
 MEAN-2S = 6.89 MEAN+2S = 32.65
 ALL VALUES IN PPB

CONTOUR PARAMETERS
 (using arithmetic statistics)

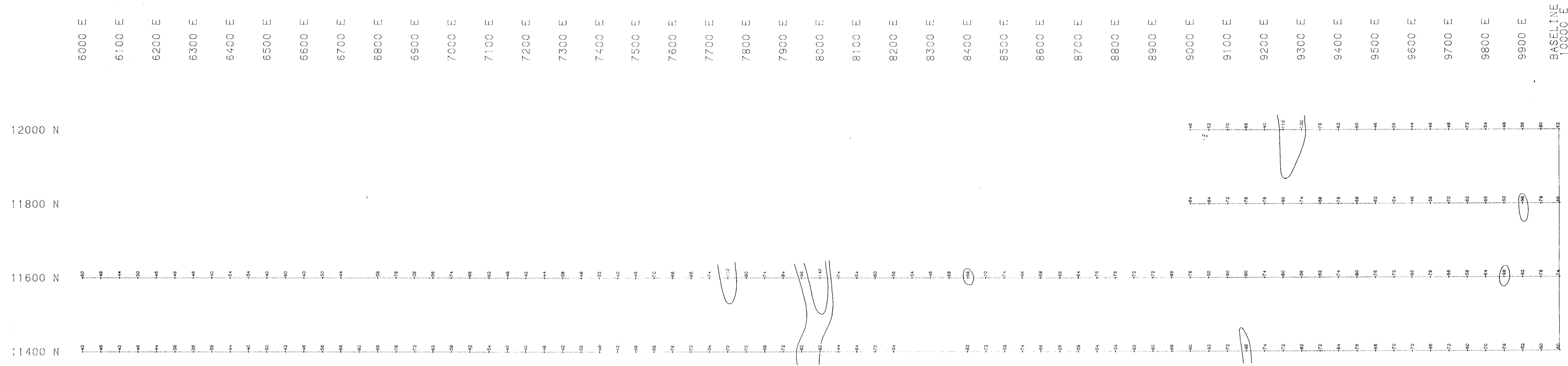
Cu (ppm)
 Threshold 23.23
 1st. Order Anomaly 30.26 (30)
 2nd. " " 37.29 (37)

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

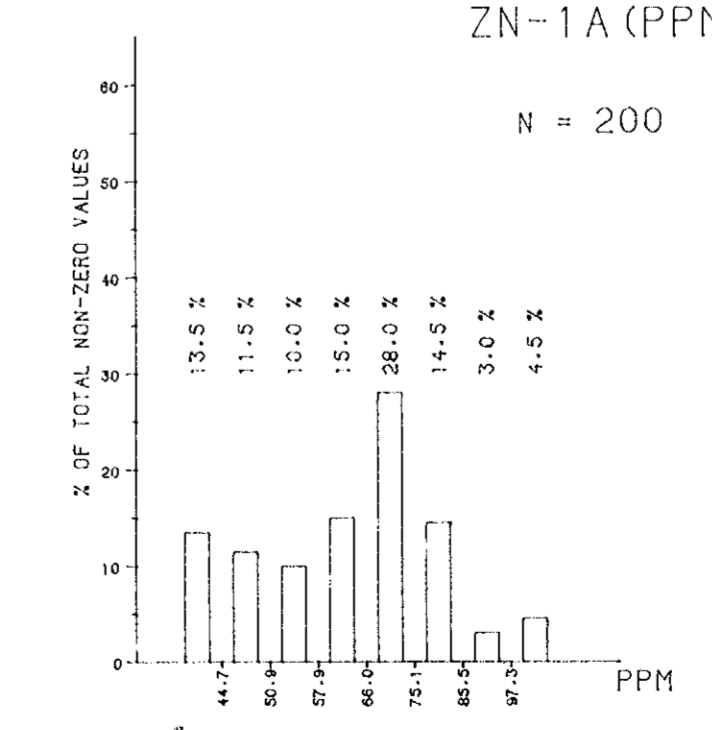
15,466

NORA
 SOIL GEOCHEMISTRY
 COPPER IN PPM

PROJ. NO. 880164	SURVEY BY: GED	DATE: JAN. 15, 1987
N.T.S. 082606	DRAWN BY: EDPE/YANG	SCALE: 1:5000
DWG. NO. 4	NORANDA EXPLORATION OFFICE: VANCOUVER	



ZN-1A (PPM)
N = 200



SUMMARY STATISTICS FOR ZN (1A)
STATISTICS BASED ON 200 VALUES
LOW VALUE = 32 HIGH VALUE = 140
LOGARITHMIC STATISTICS
MEAN = 61.82 STD DEV = 0.113 (LOG)
MEAN-1S = 57.71 MEAN+1S = 80.19
MEAN-2S = 50.82 MEAN+2S = 103.79
ALL VALUES IN PPM

CONTOUR PARAMETERS
(using arithmetic statistics)

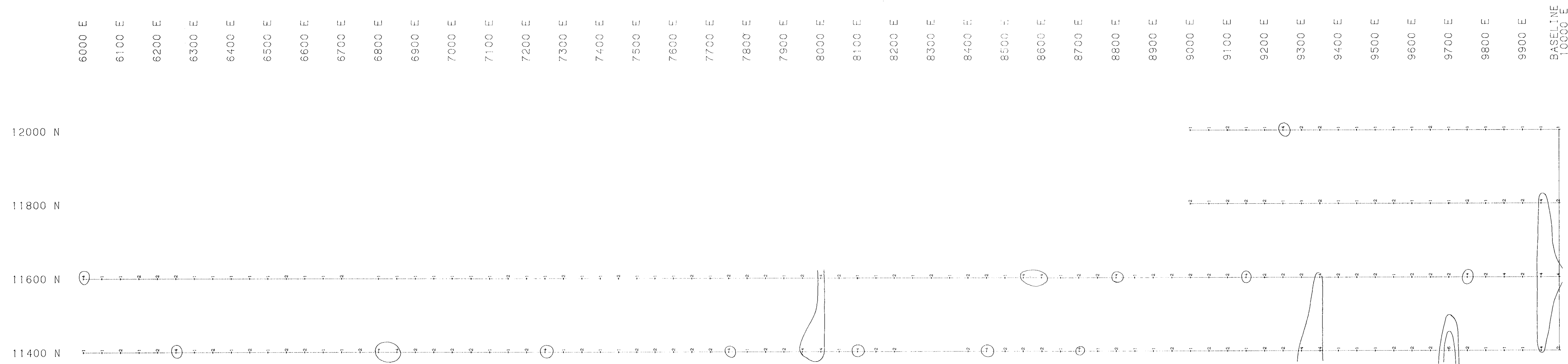
Zn (ppm)
Threshold 80
1st. Order Anomaly 96
2nd. " " 112

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,466

NORA
SOIL GEOCHEMISTRY
ZINC IN PPM

PROJ. NO. 860164	SURVEY BY: GED	DATE: JAN. 15, 1987
DWG. NO. 5	DRAWN BY: EDE YANG	SCALE: 1:5000
NORANDA EXPLORATION		
OFFICE: VANCOUVER		

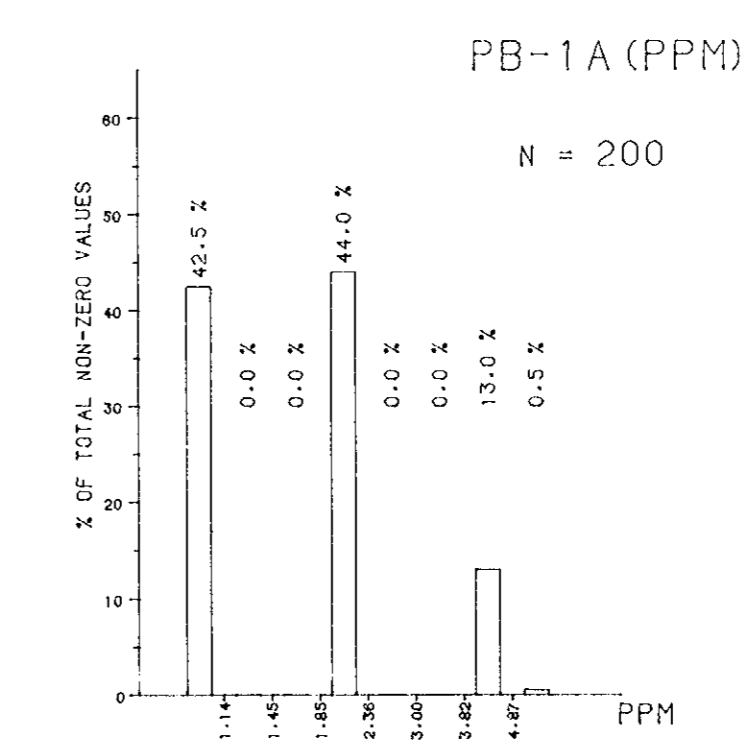


CONTOUR PARAMETERS
(using arithmetic statistics)

Pb (ppm)
 Threshold 2.9
 1st. Order Anomaly 3.9 (4)
 2nd. " " 4.9 (5)

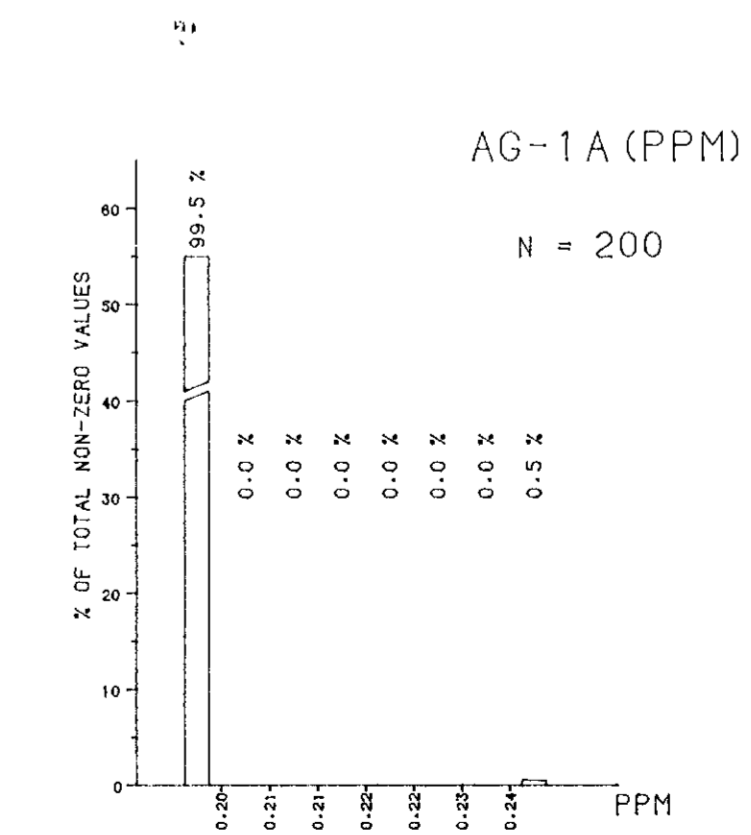
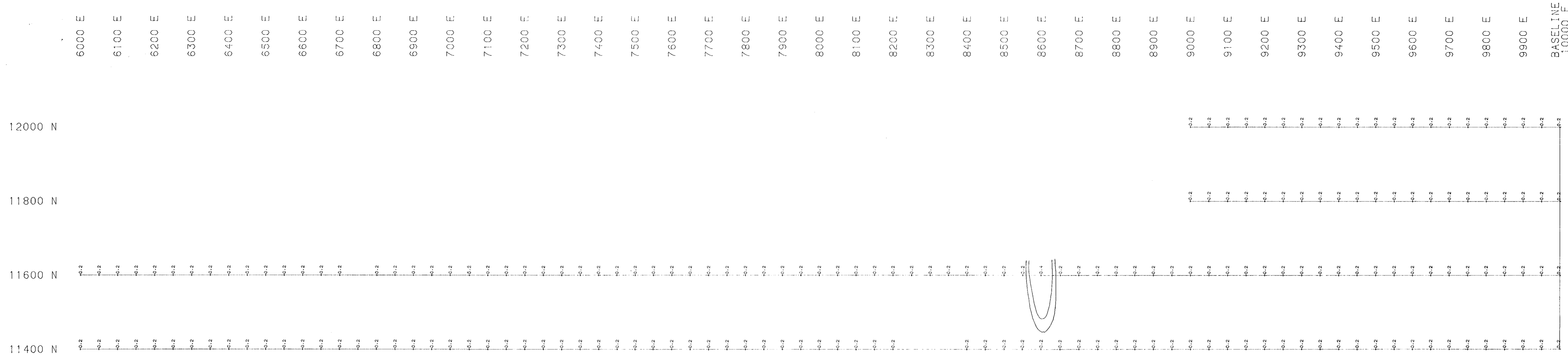
**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

15,466



SUMMARY STATISTICS FOR PB (1A)
 STATISTICS BASED ON 200 VALUES
 LOW VALUE= 1.0 HIGH VALUE= 6.0
 LOGARITHMIC STATISTICS:
 MEAN= 1.171 STD. DEV. = 0.210 (LOG)
 MEAN+1S = 1.01 MEAN+1S = 2.95
 MEAN-1S = 0.62 MEAN-1S = 4.32
 ALL VALUES IN PPM

NORA	
SOIL GEOCHEMISTRY LEAD IN PPM	
PROJ. NO. BQ0164	SURVEY BY: GED DATE: JAN. 15, 1987
N.T.S. 082EGG	DRAWN BY: EDE/YANG SCALE: 1:5000
6	NORANDA EXPLORATION OFFICE: VANCOUVER



SUMMARY STATISTICS FOR AG (1A)
 STATISTICS BASED ON 200 VALUES
 LOW VALUE = 0.20 HIGH VALUE = 0.40
 LOGARITHMIC STATISTICS
 MEAN = 0.20 STD. DEV. = 0.022 (LOG)
 MEAN+1S = 0.19 MEAN-1S = 0.31
 MEAN+2S = 0.18 MEAN-2S = 0.22
 ALL VALUES IN PPM

CONTOUR PARAMETERS
 (using arithmetic statistics)

Ag (ppm)
 Threshold .214
 1st. Order Anomaly .228
 2nd. " " .242

GEOLOGICAL BRANCH
 ASSESSMENT REPORT

15,466

NORA

SOIL GEOCHEMISTRY
 SILVER IN PPM

PROJ. NO. 860164	SURVEY BY: GED	DATE: JAN. 15, 1987
H.T.S. 082E08	DRAWN BY: EDZ/YANG	SCALE: 1:5000
DWG. NO. 7	NORANDA EXPLORATION OFFICE: VANCOUVER	