

87-322-16108

5/88

REPORT ON GEOLOGICAL MAPPING
AND GEOCHEMICAL SOIL SAMPLING
ON THE KIDZICKS CLAIM
KAMLOOPS MINING DIVISION

N.T.S. 82M/05W

51° 20' N 119° 56' W
21'

FILMED

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,108

OWNER : R.A. Rabbit
OPERATOR: Noranda Exploration Company, Limited
(No Personal Liability)
AUTHOR : B. Laird
DATE : May, 1987

TABLE OF CONTENTS

	<u>PAGE</u>
1.0 INTRODUCTION	
1.1 Location and Access	1
1.2 Claim Status	1
1.3 Topography and Physiography	1
2.0 GEOLOGY	
2.1 Regional Geology	1
2.2 Local Geology	3
3.0 GEOCHEMISTRY	3
4.0 DISCUSSION	3
5.0 RECOMMENDATIONS	3

LIST OF MAPS

Location Map	2
Geology Map	4
Analytical Soil Geochemistry	
- Silver	5
- Arsenic	6
- Copper	7
- Lead	8
- Zinc	9

APPENDICES

Appendix I	Statement of Costs
Appendix II	Geochemical Results
Appendix III	Statement of Qualifications

1.0 INTRODUCTION

The Kidzick Claim, owned by R.A. Rabbit was explored by Noranda Exploration Company, Limited (No Personal Liability) between August 14, 1986 and September 28, 1986, during which time soil sampling and geological mapping was conducted.

1.1 Location and Access

The property is located 22 kilometres northeast of Barriere, B.C. between North Barriere Lake and the headwaters of Birk Creek. From the town of Barriere, access is via East and North Barriere Lake roads and the Mabel Creek logging road.

1.2 Claim Status

The claim is comprised of one two post claim.

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>EXPIRY DATE</u>	<u>NTS</u>
Kidzick	6337	1	Aug. 14/1990	82M/5

1.3 Topography and Physiography

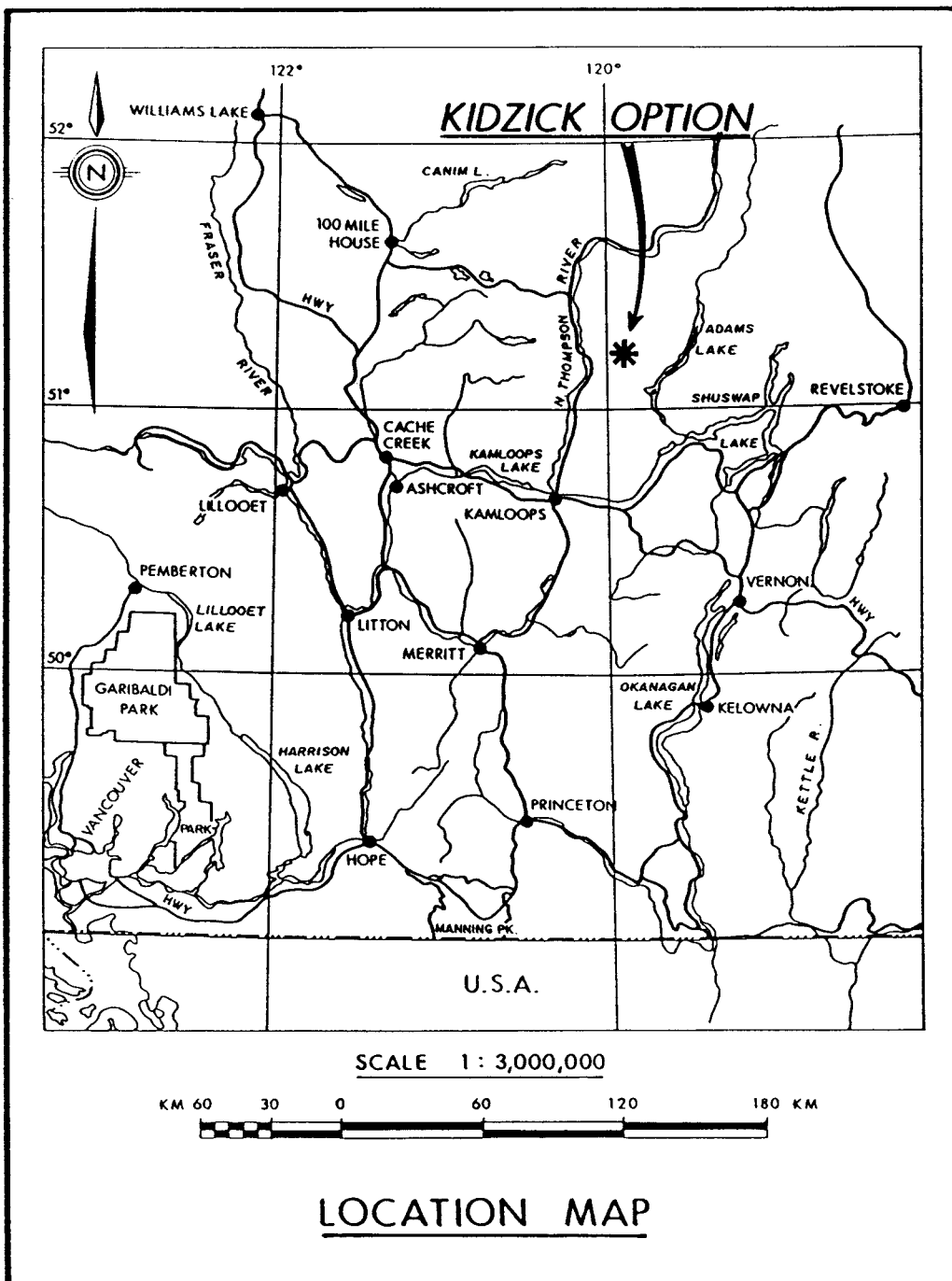
The property is situated between 1220 and 1550 metres elevation on gently sloping terrain in the northeast to steeply sloping terrain in the west.

The vegetation is mainly comprised of mature fir and spruce with sparse undergrowth.

2.0 GEOLOGY

2.1 Regional Geology

The claims lie within the Eagle Bay Formation which is a parautochthonous paleozoic package of volcanics and sediments that predominantly trend north to northwest. This formation is in metamorphic and intrusive contact with the Shuswap Metamorphic Complex to the east and in gradational contact with the Fennel Formation to the west.



REVISED	<h1>KIDZICK OPTION</h1> <h2>LOCATION MAP</h2>	
PROJ. No. 159	SURVEY BY	DATE: May/1987
N.T.S. 82M/05	DRAWN BY J.S.	SCALE: 1:3,000,000
DWG. No.	<h3>NORANDA EXPLORATION</h3> <p>OFFICE: VANCOUVER</p>	

2.2 Local Geology

The property is underlain by shallowly southwest dipping quartz-sericite-chlorite-schists (E) locally containing trace amounts of galena and magnetite. Crosscutting this is a northwest trending quartz vein (9) up to 2 metres thick, which contains pods of silver rich galena. Two adits and one trench explore the quartz vein with a rock sample from the dump of an adit running; 34.10% Pb and 99.92 oz/t Ag (sample no. 89319).

Outcrops along the northern edge of the property are comprised of andesite tuff/flow (2) and feldspar-hornblende-andesite (2c) containing trace to 1% magnetite. The schists underlying the property were probably andesite tuffs.

3.0 GEOCHEMISTRY

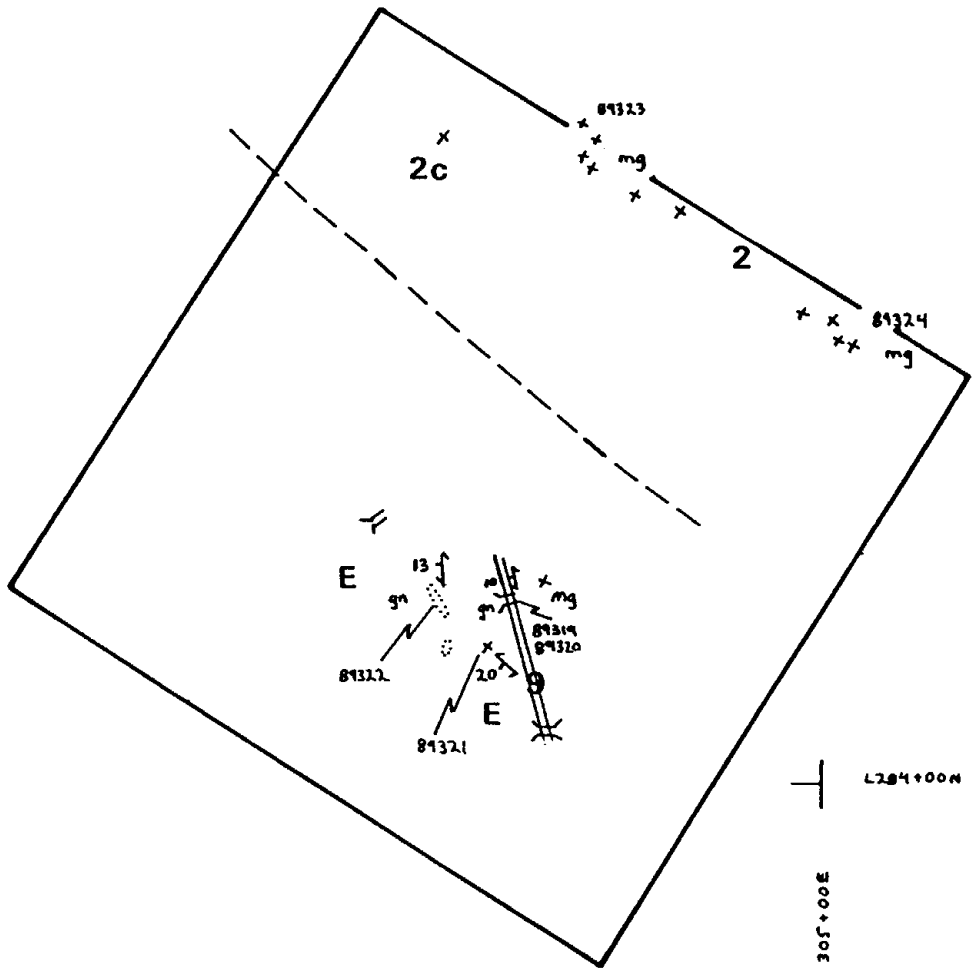
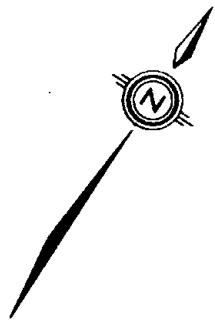
Eighty, B horizon, soil samples were collected at 25 metre intervals along grid lines 100 metres apart. Results show a northwest trending, narrow, coincidental arsenic, silver, lead and zinc anomaly across the central portion of the property. This anomaly, over 400 metres long and up to 75 metres wide, is centered on an adit exploring galena pods within a large quartz vein. The trend of the anomaly coincides with the trend of the vein. A second similar anomaly occurs in the southwest corner of the claim. No explanation for this anomaly was found.

4.0 DISCUSSION

The long narrow geochemical anomaly, trending northwest through the centre of the claim, is coincidental with a quartz vein up to 2 metres wide which contains pods of silver rich galena. The broadest portion of this anomaly occurs on moderately to steeply sloping terrain in the vicinity of the two adits. Down slope migration appears to be responsible for the increased width of the anomaly. The second coincidental silver, arsenic, lead and zinc anomaly occurs near the claim boundary and is open to the southwest off the claim.

5.0 RECOMMENDATIONS

Due to the erratic nature and small size of the galena pods in the quartz vein no further work is recommended on the claim.



LEGEND

LITHOLOGIES

- 9 Quartz Vein
- 2 Andesite Tuff Flow
- 2c Feldspar-Hornblende-Andesite

ALTERATION

- E Quartz-Sericite-Schist

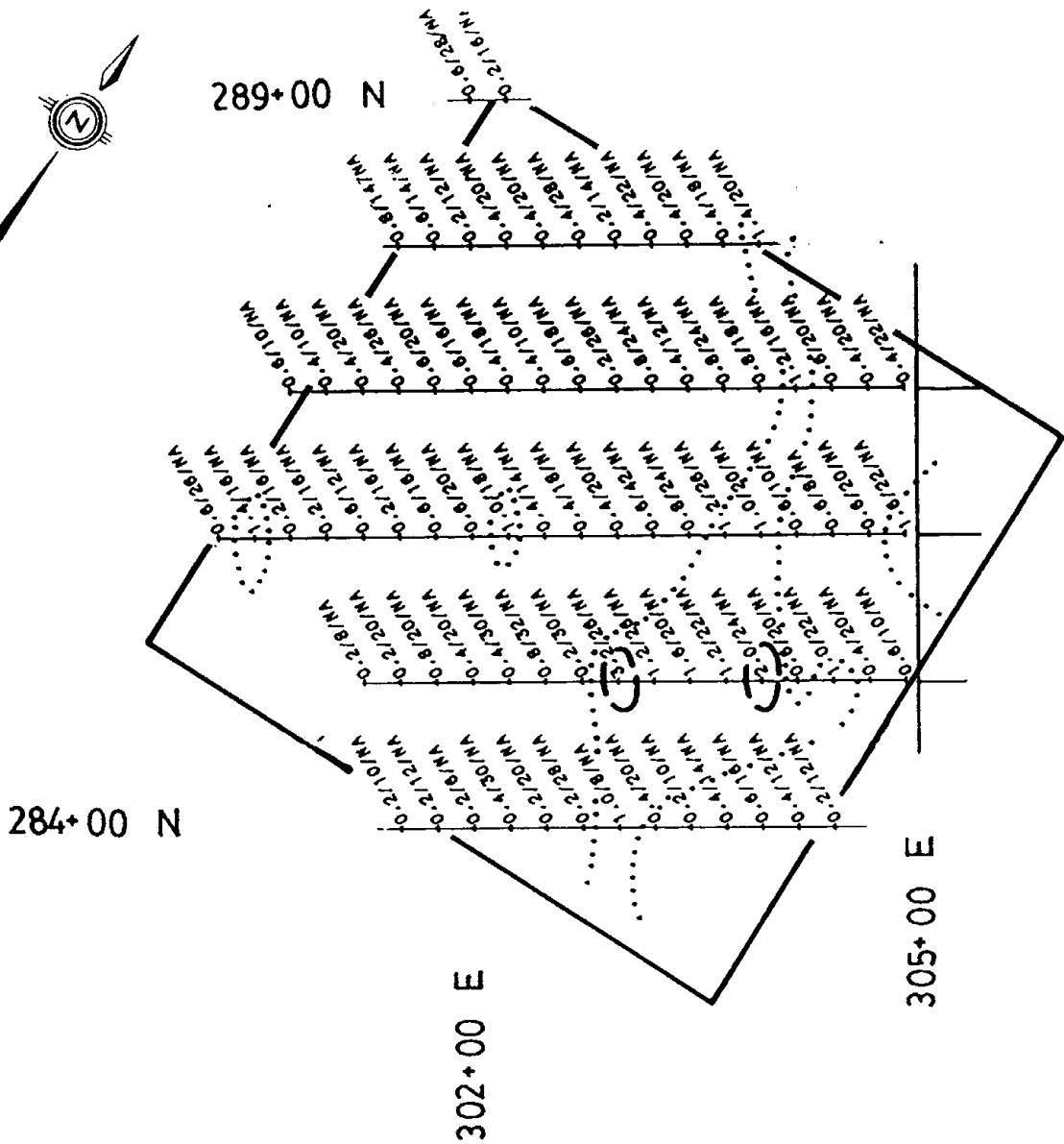
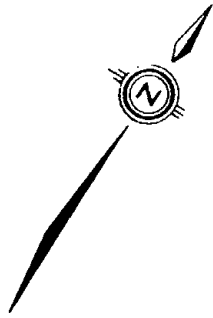
MINERALIZATION

- gn Galena
- mg Magnetite





SYMBOLS

- S1 Foliation (inclined)
- Adit
- Trench
- Outcrop
- Spot Outcrop
- Rock Sample
- Geological Contact

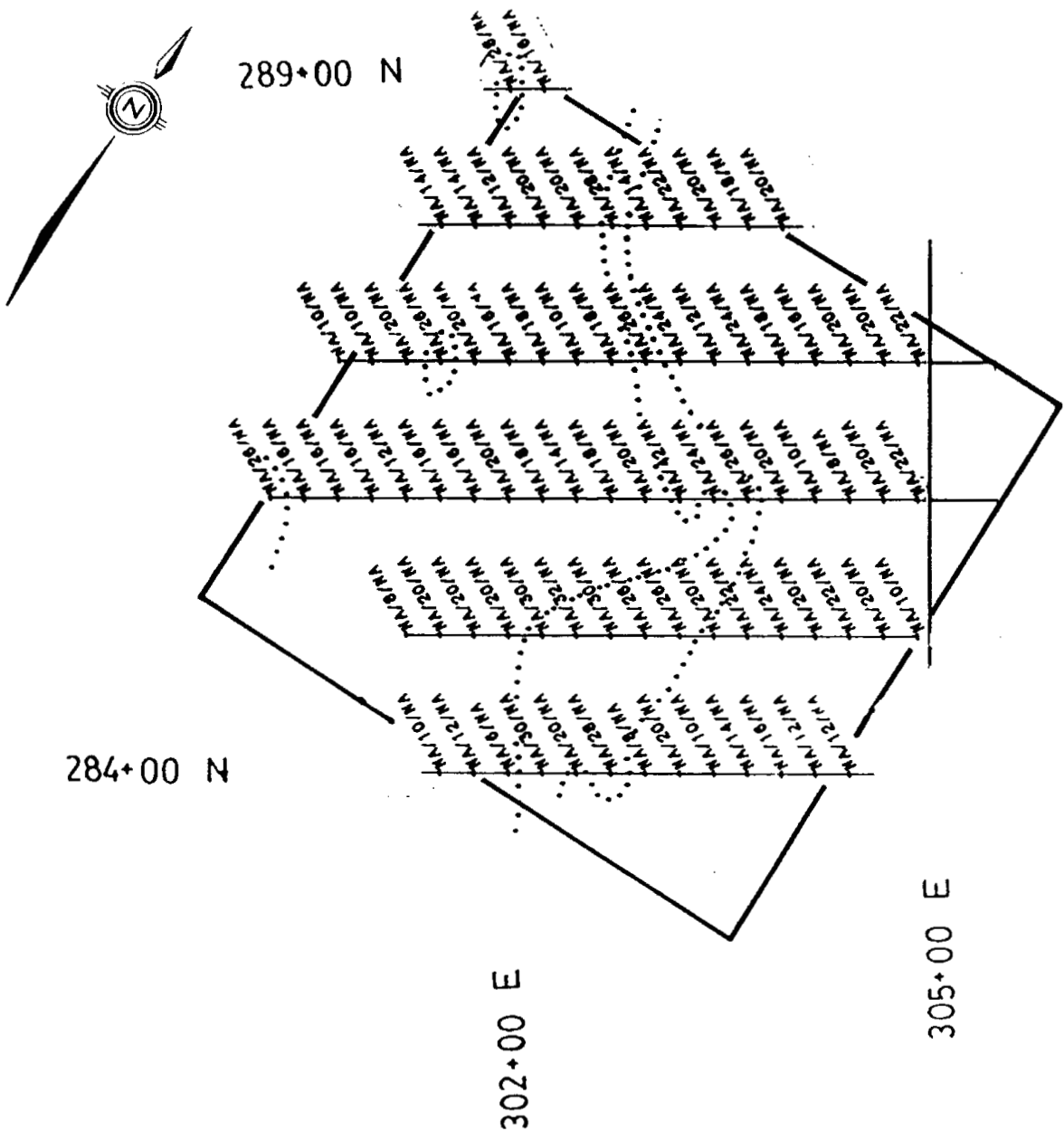
REVISED	KIDZICK OPTION	
	GEOLOGY	
PROJ. No. 159	SURVEY BY: B.L.	DATE: May/87
N.T.S. 82M/5	DRAWN BY: B.L.	SCALE: 1:5000
DWG. No.	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	



LEGEND


-  Very Anomalous Ag
(Greater than 3.5 ppm)
-  Anomalous Ag
(2.0 to 3.5 ppm)
-  Threshold Ag
(1.0 to 1.9 ppm)
-  0.2/12 Values - Silver (Ag) Arsenic (As)
in ppm


REVISED	KIDZICK OPTION	
	ANALYTICAL SOIL GEOCHEMISTRY SILVER (Ag)	
PROJ. No. 159	SURVEY BY: B.L.	DATE: May/87
N.T.S. 82M/5	DRAWN BY: B.L.	SCALE: 1:5000
DWG. No.	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	



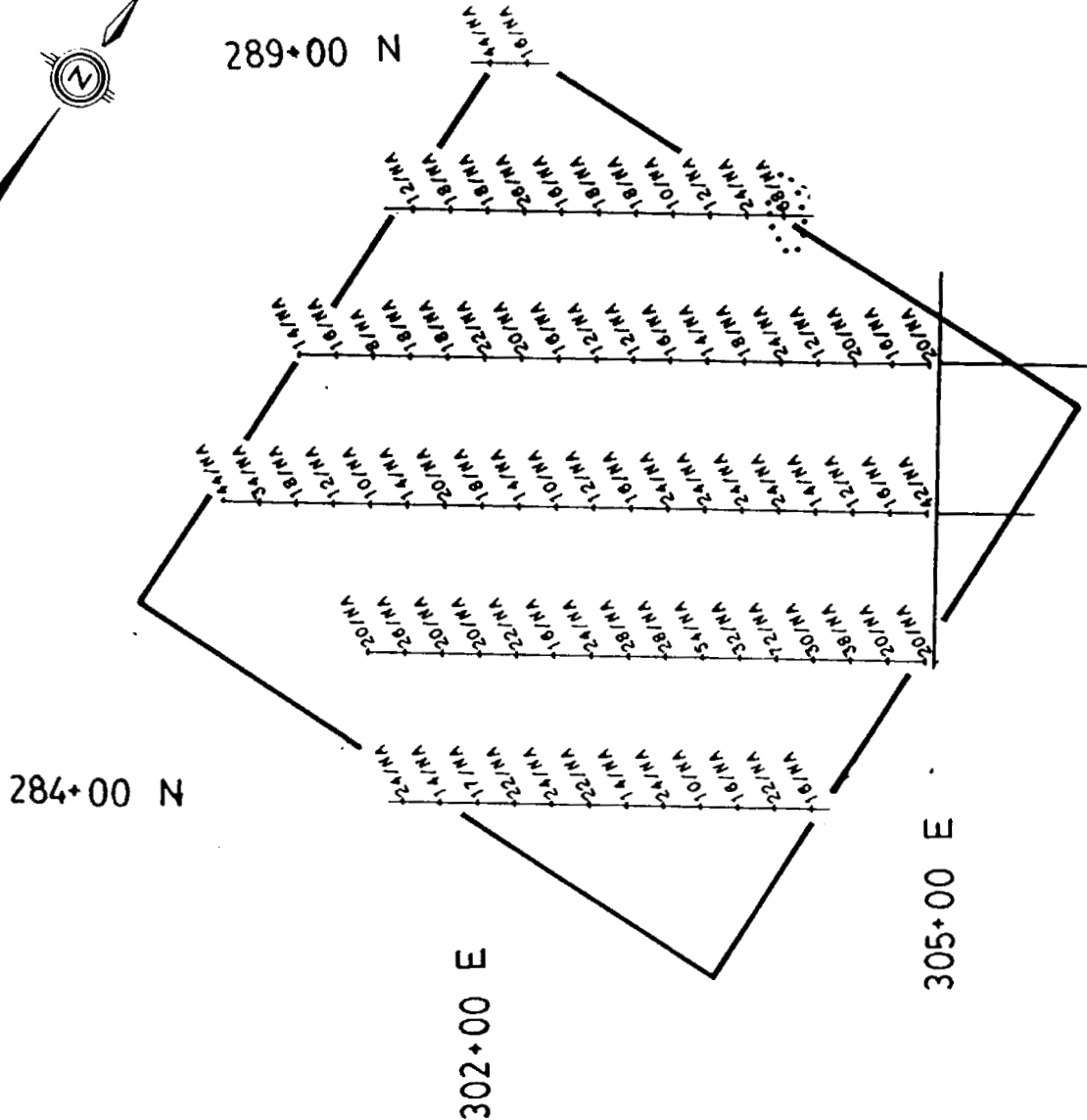
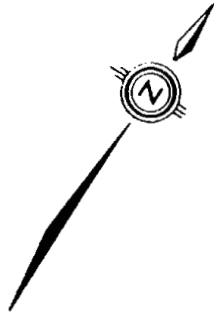
LEGEND

 Anomalous As
(Greater than 75ppm)

 Threshold As
(25 to 75 ppm)

 NA/12 Values - Arsenic (As) in ppm

REVISED	KIDZICK OPTION	
	ANALYTICAL SOIL GEOCHEMISTRY ARSENIC (As)	
PROJ. No. <u>159</u>	SURVEY BY: <u>B.L.</u>	DATE: <u>May/87</u>
M.T.S. <u>B2M/5</u>	DRAWN BY: <u>B.L.</u>	SCALE: <u>1:5000</u>
DWG. No.	NORANDA EXPLORATION	
	OFFICE: <u>VANCOUVER</u>	



LEGEND



Anomalous Cu
(Greater than 150 ppm)



Threshold Cu
(60 to 150 ppm)



Values - Copper(Cu) in ppm

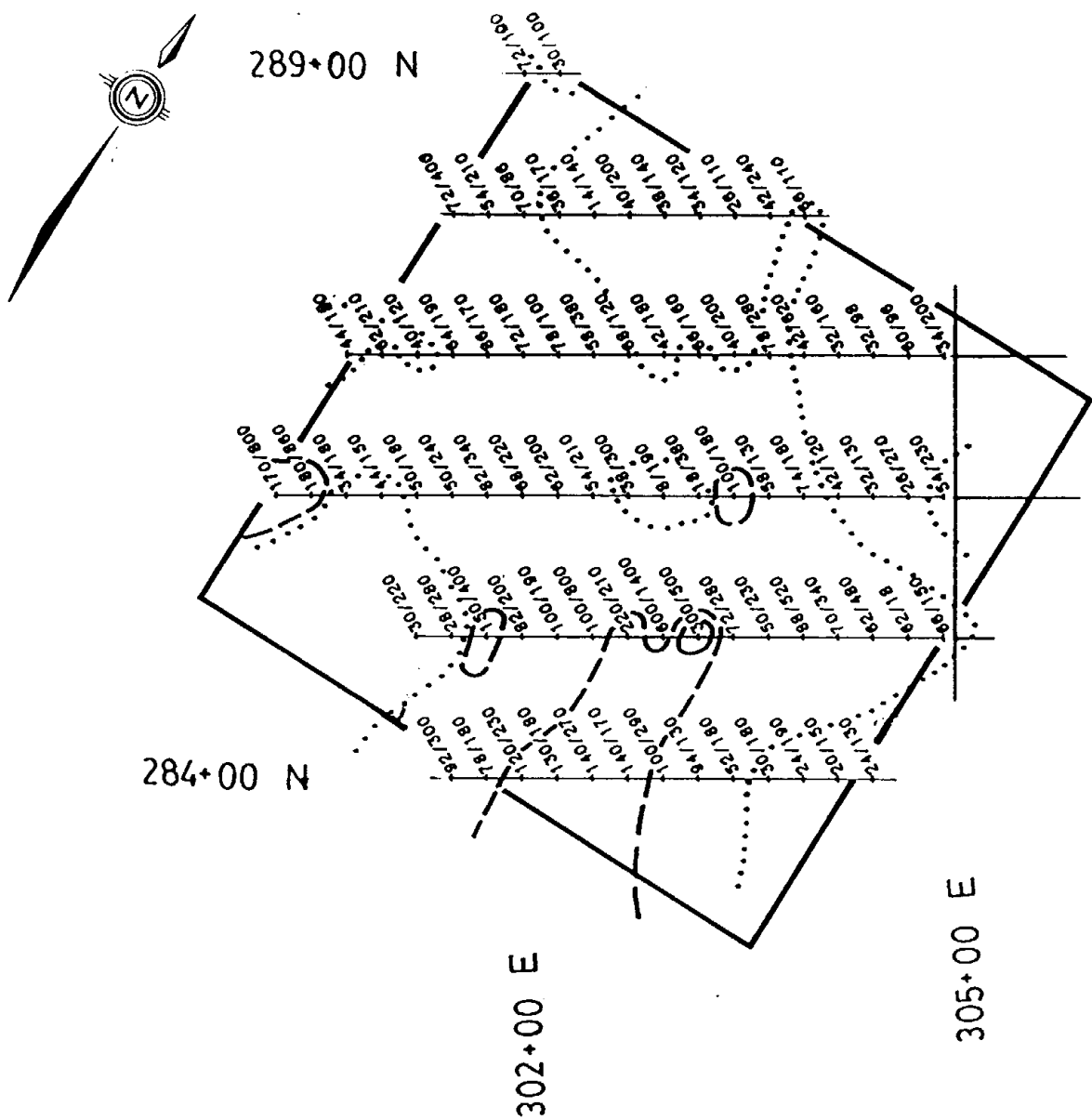
REVISED	
PROJ. No. 159	SURVEY BY: B.L.
N.T.S. B2M/5	DRAWN BY: B.L.
DWG. No.	

KIDZICK OPTION


**ANALYTICAL SOIL
GEOCHEMISTRY
COPPER (Cu)**


DATE: May/87
SCALE: 1:5000


NORANDA EXPLORATION
OFFICE: VANCOUVER




LEGEND

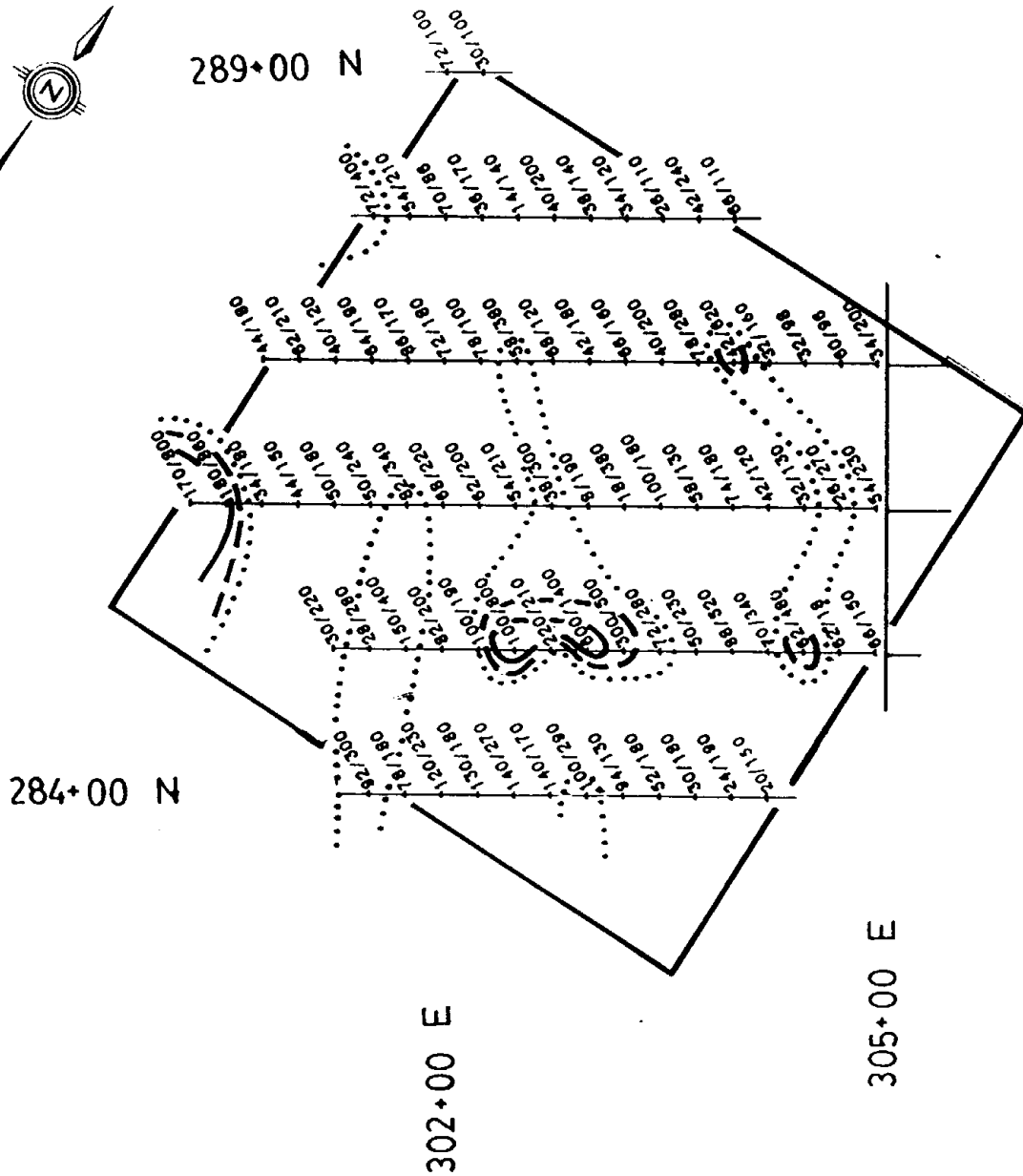
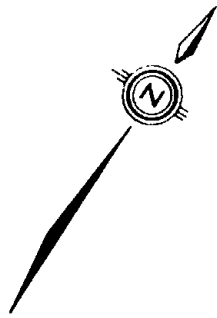
 Very Anomalous Pb
(Greater than 250 ppm)

 Anomalous Pb
(101 to 250 ppm)


 Threshold Pb
(50 to 100 ppm)


 120/280 Values - Lead (Pb) / Zinc (Zn)
in ppm


REVISED	KIDZICK OPTION	
	ANALYTICAL SOIL GEOCHEMISTRY	
	LEAD (ppm)	
PROJ. No. 159	SURVEY BY: B.L.	DATE: May/87
N.T.S. 82M/5	DRAWN BY: B.L.	SCALE: 1:5000
OWG. No.	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	




LEGEND

 Very Anomalous Zn
(Greater than 750ppm)

 Anomalous Zn
(401 to 750 ppm)

 Threshold Zn
(250 to 400 ppm)

 120/280 Values - Lead(Pb)/Zinc(Zn)
in ppm

REVISED	KIDZICK OPTION	
	ANALYTICAL SOIL GEOCHEMISTRY	
	ZINC (ppm)	
PROJ. No. 159	SURVEY BY: B.L.	DATE: May/87
N.T.S. 82M/5	DRAWN BY: B.L.	SCALE: 1:5000
DWG. No.	NORANDA EXPLORATION	
	OFFICE: VANCOUVER	

APPENDIX I

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COSTS

PROJECT: RABBITT OPTION (KIDZICK)
TYPE OF REPORT: GEOLOGY AND SOIL GEOCHEMISTRY

DATE: May, 1987

a) Wages:

No. of Days	6 man days	
Rate per Day	\$ 97.79	
Dates From:	August 28/86 to August 31/86	
Total Wages	6 x \$ 97.79	\$ 582.72

b) Food & Accomodations:

No. of Days	6 days	
Rate per Day	\$ 35.00	
Dates From:	August 28/86 to August 31/86	
Total Costs	6 x \$ 35.00	\$ 210.00

c) Transportation:

No. of Days	4 man days	
Rate per Day	\$ 50.00	
Dates From:	August 28/86 to August 31/86	
Total Costs	4 x \$ 50.00	\$ 200.00

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: \$ 739.25
(See attached schedule)

f) Cost of preparation of Report

Author: \$200.00

Drafting: \$100.00

Typing: \$100.00 \$ 400.00

g) Other:

Contractor

Field Equipment \$ 50.00

Total Cost \$2,181.97

h) Unit costs for Soil Geochemistry

No. of Days 3

No. of Units 79 samples

Unit costs \$15.16 / sample

Total Cost 79 x \$15.16 = \$1,197.47

Unit costs for Linecutting

No of Days 1

No of Units 1.85 kilometres

Unit costs \$131.03 / kilometre

Total Cost \$131.03 X 1.85 = \$ 242.40

Cont.

Unit costs for Geology and Rock Analysis

No of Days 2

No of Units 2 days

Unit costs \$371.05 / day

Total Costs 2 X \$371.05 =

\$ 742.10

NORANDA EXPLORATION COMPANY, LIMITED
(WESTERN DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: RABBITT OPTION (KIDZICK) 159

<u>ELEMENT</u>	<u>NO. OF DETERMINATIONS</u>	<u>COST PER DETERMINATION</u>	<u>TOTAL COSTS</u>	
SOILS				
Cu	79	\$1.60	\$126.40	
Zn	79	.60	\$ 47.40	
Pb	79	.60	\$ 47.40	
Ag	79	.60	\$ 47.40	
As	79	.60	\$ 47.40	
Au	79	3.50	\$276.50	
Sample Preparation	79	3.50	\$ <u>39.50</u>	
			\$632.00	\$632.00
ROCKS				
5 Element ICP Cu, Pb, Zn, Ag, As	2	4.00	\$ 8.00	
6 Element ICP Ba, Cu, Pb, Zn, Ag, As	3	5.00	\$ 15.00	
Whole Rock ICP	2	20.00	\$ 40.00	
ASSAY				
Cu	1	6.75	\$ 6.75	
Pb	1	3.00	\$ 3.00	
Zn	1	3.00	\$ 3.00	
Ag	1	3.00	\$ 3.00	
Au	1	3.00	\$ 7.50	
Ba	1	7.50	\$ 7.50	
Sample Preparation	6	3.00	\$ <u>18.00</u>	
			\$107.25	\$ <u>107.25</u>
				\$ <u>739.25</u>

APPENDIX II

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:RABBIT

CODE :8609-011

Project No. :159
 Material :SOIL
 Remarks :

Sheet:1 of 3
 Geol.:GS

Date rec'd:SEP 02
 Date compl:SEP 05

Values in PPM, except where noted.

T T.	SAMPLE	Cu	Zn	Pb	Ag	As	PPB
No.	No.						Au
4	28400N-30100E						
5	30125	24	300	92	0.2	10	10
86	30150	14	180	78	0.2	12	10
87	30175	18	230	120	0.2	6	10
88	30200	22	180	130	0.4	30	10
89	30225	24	270	140	0.2	20	10
90	30250	22	170	140	0.2	28	10
91	30275	14	290	100	1.0	8	10
92	30300	24	130	94	0.4	20	10
93	30325	10	180	52	0.2	10	10
94	30350	16	180	30	0.4	14	10
95	30375	22	190	24	0.6	16	10
96	30400	16	150	20	0.4	12	10
100	CHECK NL-5	24	70	72	1.6	70	-
101	28500N-30100E	20	220	30	0.2	8	10
102	30125	26	280	28	0.2	20	10
103	30150	20	400	150	0.8	20	10
104	30175	20	200	82	0.4	20	10
105	30200	22	190	100	0.4	30	10
106	30225	16	800	100	0.8	32	10
107	30250	24	210	220	0.2	30	10
108	30275	28	1400	600	3.2	26	10
109	30300	28	500	300	1.2	26	10
110	30325	54	280	72	1.6	20	10
111	30350	32	230	50	1.2	22	10
112	30375	72	520	88	2.0	24	10
113	30400	30	340	70	0.6	20	10
114	30425	38	480	62	1.0	22	10
115	30450	20	18	62	0.4	20	10
116	28500N-30475E	20	150	66	0.6	10	10
117	28600N-30000E	44	800	170	0.6	26	10
118	30025	34	860	180	1.4	16	10
119	30050	18	180	34	0.2	16	10
120	30075	12	150	44	0.2	16	10
121	30100	10	180	50	0.6	12	10
122	30125	14	240	50	0.2	16	10
123	30150	20	340	82	0.6	16	10
124	30175	18	220	68	0.6	20	10
125	30200	14	200	62	1.0	18	10
126	30225	10	210	54	0.4	14	10
127	30250	12	300	38	0.4	18	10
128	30275	16	190	8	0.4	20	10
129	30300	24	380	18	0.6	42	10
130	30325	24	180	100	0.8	24	10
131	28600N-30350E	24	130	58	1.2	26	10

No.	SAMPLE No.	PPB					8609-011	
		Cu	Zn	Pb	Ag	As	Au	Pg. 2 of 3
32	28600N-30375E	24	180	74	1.0	20	10	
33	30400	14	120	42	0.6	10	10	
34	30425	12	130	32	0.6	8	10	
35	30450	16	270	26	0.6	20	10	
36	28600N-30475E	42	230	54	1.6	22	10	
37	28700N-30050E	14	180	44	0.6	10	10	
38	30075	16	210	62	0.4	10	10	
39	30100	8	120	40	0.4	20	10	
40	30125	18	190	64	0.4	26	10	
41	30150	18	170	86	0.6	20	10	
42	30175	22	180	72	0.6	16	10	
43	30200	20	100	78	0.4	18	10	
44	30225	16	380	58	0.4	10	10	
45	30250	12	120	68	0.6	18	10	
46	30275	12	180	42	0.2	26	10	
47	30300	16	160	66	0.8	24	10	
48	30325	14	200	40	0.4	12	10	
49	30350	18	280	78	0.8	24	10	
50	30375	24	620	42	0.8	18	10	
51	30400	12	160	32	1.2	16	10	
52	30425	20	98	32	0.6	20	10	
53	30450	16	96	60	0.4	20	10	
54	28700N-30475E	20	200	34	0.4	22	10	
55	28800N-30100E							
56	30125	12	400	72	0.8	14	10	
57	30150	18	210	54	0.6	14	10	
58	30175	18	86	70	0.2	12	10	
59	30200	26	170	36	0.4	20	10	
60	30225	16	140	14	0.4	20	10	
61	30250	18	200	40	0.4	28	10	
62	30275	18	140	38	0.2	14	10	
63	30300	10	120	34	0.4	22	10	
64	30325	12	110	26	0.4	20	10	
65	30350	24	240	42	0.4	18	10	
66	30375	68	110	66	1.4	20	10	
67								
68								
69								
70								
71								
72								
73	28900N-							
74	30175	44	100	72	0.6	28	10	
75	30200	16	100	30	0.2	16	10	

Kidzick (BL)

8610-055

ACME ANALYTICAL LABORATORIES LTD.
752 E. HASTINGS, VANCOUVER B.C.

DATE RECEIVED OCT 10 1986

TEL: (604) 253-3158 COMPUTER LINE: 251-1011

DATE REPORTS MAILED

Oct 22/86

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK - CRUSHED AND PULVERIZED TO -100 MESH.

Au* - 10 GM. IGNITED. HOT AQUA REGIA LEACHED. MIBK EXTRACTION. AA ANALYSIS.

BA - .10 GM SAMPLE ARE FUSED WITH .6 GM LiBO2 AND DISSOLVED IN 50 ML 5% HNO3.

ASSAYER *D. Deje* DEAN TOYE, CERTIFIED B.C. ASSAYER

VORANDA EXPLORATION PROJECT 159 8610-055 FILE# 86-3149A PAGE# 1

SAMPLE	Cu %	Pb %	Zn %	Ag oz/t	Au* ppb	Ba ppm
089319	.08	34.10	.13	99.92	350	250

10/22/86

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
 THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.V.SI.ZR.CE.SM.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
 - SAMPLE TYPE: ROCK CHIPS AU ANALYSIS BY AA FROM 10 GRAM SAMPLE. BA# .66M L1902 & DISSOLVED IN 50 ML 5% HNO3.

DATE RECEIVED: OCT 10 1986 DATE REPORT MAILED: *Oct 21/86* ASSAYER: *D. Toy*...DEAN TOYE. CERTIFIED B.C. ASSAYER.

NORANDA EXPLORATION PROJECT - 159 8610-055 FILE # 86-3149

PAGE 1

SAMPLE#	Cu PPM	Pb PPM	Zn PPM	Ag PPM	As PPM	Au# PPB	Ba# PPM
089320	17	173	825	2.4	58	1	922
089321	2	45	48	.5	8	1	482
089322	27	35	76	.3	18	2	483
089323	20	18	73	.2	16	1	-
089324	18	12	23	.2	19	1	-
STD C/AU-R	59	41	133	7.2	40	490	-

ACME ANALYTICAL LABORATORIES LTD.

852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6

PHONE 253-3158

DATA LINE 251-1011

WHOLE ROCK ICP ANALYSIS

A .1000 GRAM SAMPLE IS FUSED WITH .60 GRAM OF LiBO2 AND IS DISSOLVED IN 50 MLS 5% HNO3.

- SAMPLE TYPE: ROCK CHIPS

DATE RECEIVED: OCT 10 1986 DATE REPORT MAILED: *Oct 21/86* ASSAYER: *D. J. Jepsen* DEAN TOYE. CERTIFIED B.C. ASSAYER.

NORANDA EXPLORATION PROJECT - 159 B610-055 FILE # 86-3149

PAGE 1

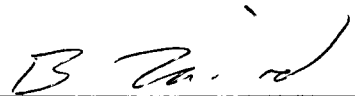
SAMPLE#	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba PPM	Loi %	Sum
089323	65.50	16.23	4.54	1.49	5.01	2.00	1.90	.46	.08	.05	.01	597	2.5	99.89 32.65
089324	65.83	15.83	4.02	1.75	4.49	2.15	2.40	.40	.06	.04	.01	772	2.8	99.93 38.46

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, Bruce Laird of the City of Vancouver, Province of British Columbia do hereby certify that:

- I am a geologist residing at 112 - 8772 Hudson Street, Vancouver, B.C.
- I graduated from the University of British Columbia, Vancouver, B.C. in 1984 with a Bachelor of Science degree in geology.
- I have worked in mineral exploration since 1980 and have practised my profession since 1984.
- I am presently employed with Noranda Exploration Company, Limited and have been since June, 1986.



Bruce Laird