



41N13NE0009 2.12724 PILOT HARBOUR

010

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

OIL CITY
GEOLOGICAL ASSESSMENT REPORT
NTS 41N/13

2.12724

RECEIVED

NOV 23 1989

MINING LANDS SECTION

Project Number 1118
Hemlo, Ontario
September 1, 1989

Michael J. Miller
Geologist



41N13NE0009 2.12724 PILOT HARBOUR

010C

TABLE OF CONTENTS

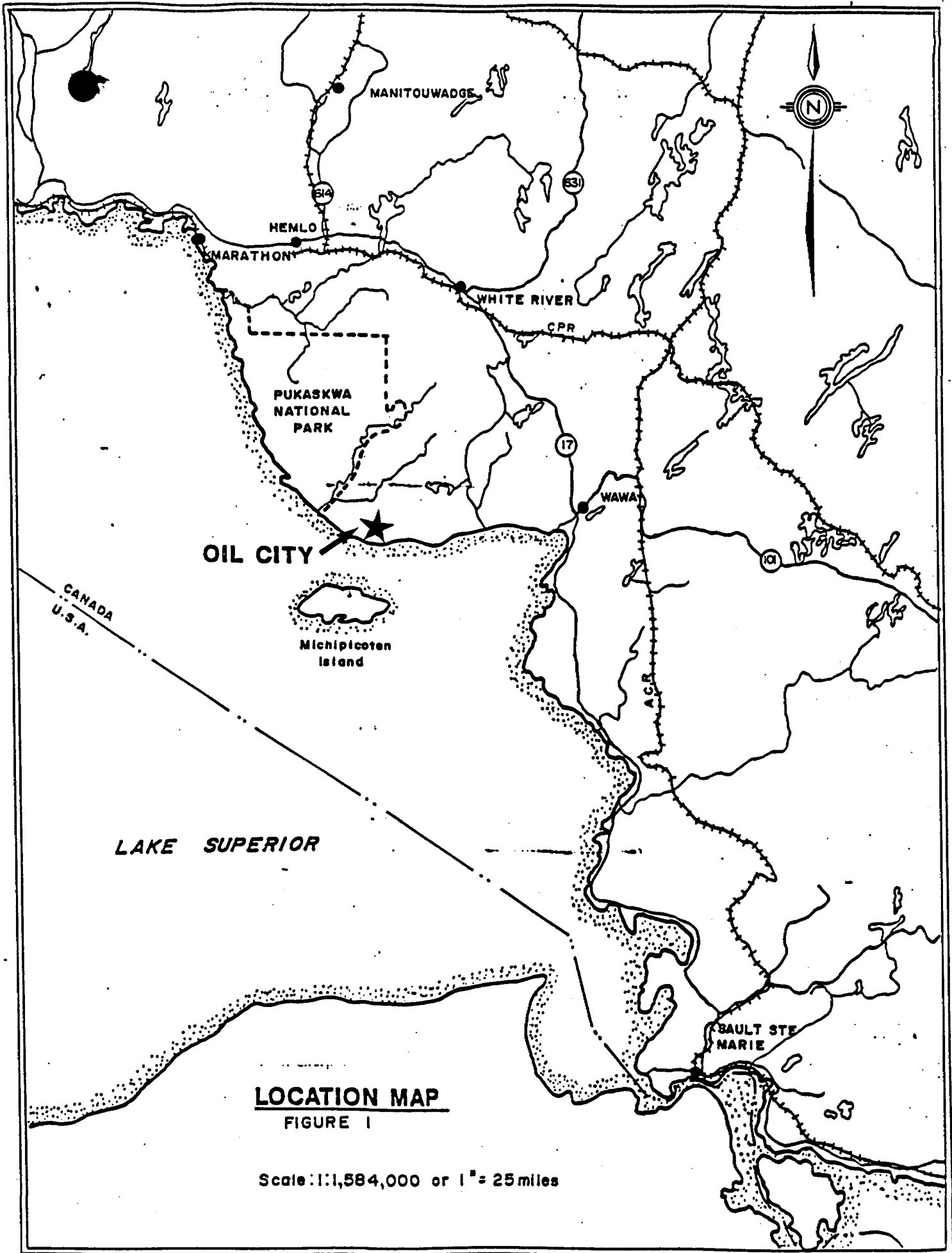
	Page
1.0 Introduction.....	1
2.0 Location & Access.....	2
3.0 Property Description.....	2
3.1 Disposition Status.....	2
3.2 Joint Venture Status.....	2
3.3 Physiography.....	3
4.0 Regional Geology.....	3
5.0 Property Geology.....	4
6.0 Structure.....	7
7.0 Discussion	7
8.0 Conclusions & Recommendations.....	7
9.0 Statement of Qualifications.....	9

LIST OF ATTACHMENTS

- | | |
|----------|--------------------------------|
| Figure 1 | Mishibishu Belt - Location Map |
| Figure 2 | Claim Location Map |
| Figure 3 | Regional Geology |
| Map 1 | Property Geology |

1.0 INTRODUCTION: (Figure 1)

The Oil City property is located in the Pilot Harbour portion of the Mishibishu greenstone belt near Wawa, Ontario, and consists of a group of 50 contiguous claims. Noranda Exploration Co., Ltd. entered into a joint venture agreement with Central Crude on July 7, 1988, in which Noranda can earn 50% interest in the property. The purpose of the joint venture is to explore for gold deposits in the area. To date, three ore zones have been discovered along the Mishibishu belt; the Magnacon Zone (Muscocho-Flanagan McAdam-Windarra) hosts reserves of about 1.3 mt of 8.6 g/t gold, while the Mishibishu Main Zone (McMillan-Granges) has indicated reserves of 1.1 mt of 5.7 g/t gold; and the Central Crude-Hemlo deposit of 1.7 mt of 8.23 g/t cut.



OIL CITY

Michipicoten
Island

LAKE SUPERIOR

LOCATION MAP

FIGURE 1

Scale: 1:1,584,000 or 1" = 25 miles

2.0 LOCATION AND ACCESS:

The Mishibishu Greenstone Belt is located immediately north of Lake Superior, between Wawa and Hemlo. Road access is available to the belt via a gravel road from Highway 17 (50 km northwest of Wawa) to the vicinity of Noranda's Cameron Lake camp. Property access is then best achieved by helicopter or a by a float-equipped aircraft onto Pipe Lake.

3.0 PROPERTY DESCRIPTION

3.1 Disposition Status (Figure 2)

The Oil City property consists of 50 contiguous unpatented mining claims located in the Pilot Harbour area in the Sault Ste. Marie mining division. The claim numbers are :

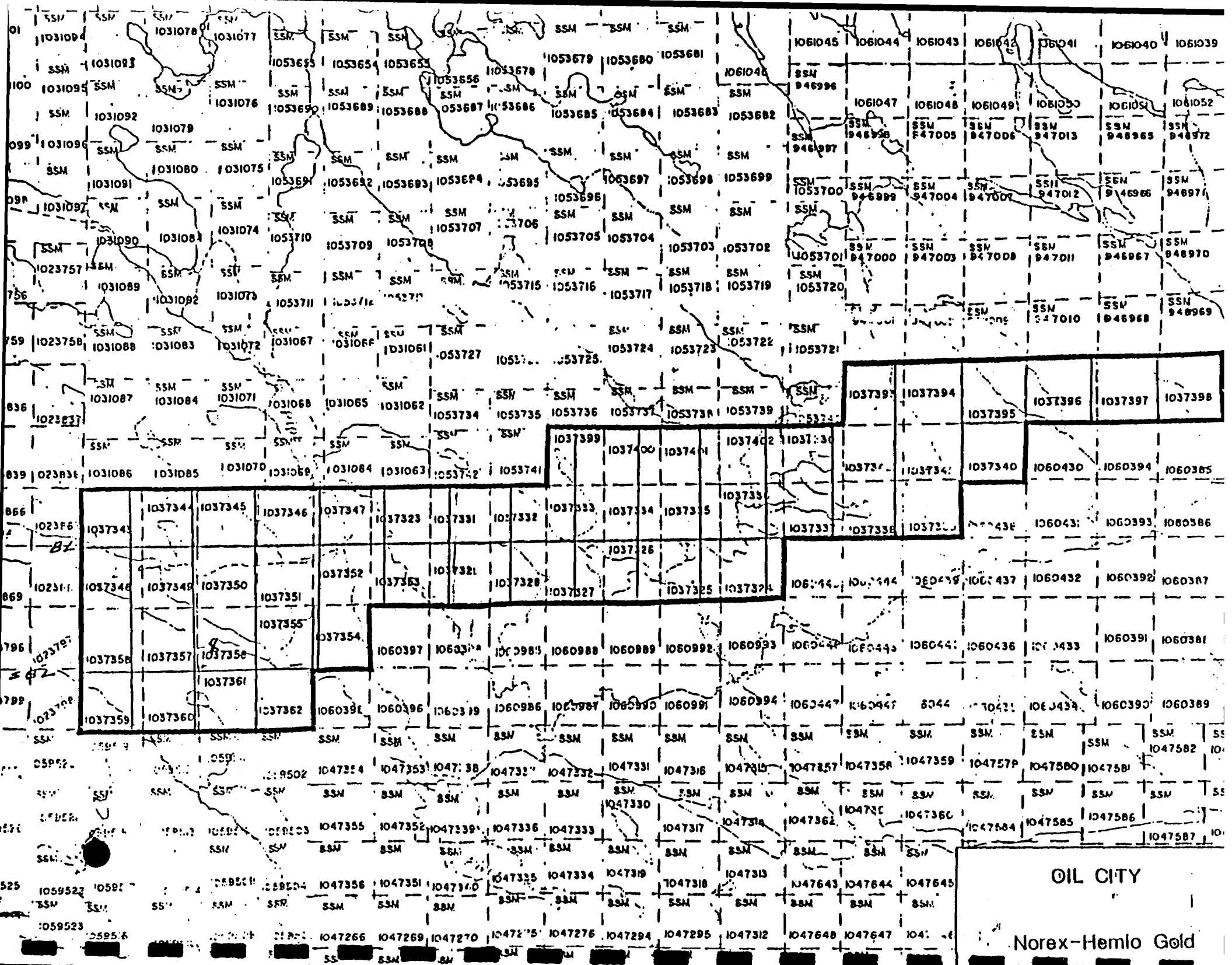
SSM 1037323 to SSM 1037362 inclusive

SSM 1037393 to SSM 1037402 inclusive

All claims are currently held in good standing. Assessment is due November 19, 1991.

3.2 Joint Venture Status

An option agreement was signed between Noranda Exploration Company, Limited and Central Crude Explorations Limited dated July 7, 1988 giving Norex the sole right to earn into the 50 original claims of the property to 50%. In order to earn this interest, Norex must make total exploration expenditures of



OIL CITY

Norex-Hemlo Gold

\$1,000,000 before May 30, 1991. Noranda is the operator of the work programs on the project.

3.3 Physiography

The area is dominated by east-west trending bedrock ridges, covered with a discontinuous mantle of locally derived glacial till. Between the ridges are low, wet areas with only occasional outcrop. The centre of the property is masked by a thick glacio-lacustrine sand plain.

Vegetation is poplar, maples and pines on the hills, spruce, cedar and alders in the lows.

4.0 REGIONAL GEOLOGY (Figure 3)

The Mishibishu Greenstone Belt is of Archean age, and comprises part of the Abitibi-Wawa-Shebandowan subprovince of the Canadian Shield. The rocks consist of predominantly mafic to intermediate metavolcanics, with minor felsic metavolcanics, and associated interbedded metasediments which are predominantly arkosic in nature. They form an arc-shaped, synformal belt separated into limbs by three large, felsic intrusives. The supracrustal rocks have been intruded by early Precambrian gabbroic bodies, while the entire sequence is cut by mid to late Precambrian diabase dykes and Proterozoic lamprophyre dykes.

Large scale folds and faults are not readily evident within

belt, although smaller such structures are seen locally. The structural features observed are linear deformation zones which shearing, alteration, etc. are more concentrated. These oriented sub-parallel to the local stratigraphy, both of which wrap around the large felsic intrusive bodies.

Metamorphism has generally been recorded as mid to lower schist facies, with minor, high rank metamorphism evident in felsic intrusions.

PROPERTY GEOLOGY (Map 1)

The claims lie on the south limb of the Mishibishu gneiss belt, on strike with the Central Crude - Hemlo Gold River deposit.

The mapping on the property was on north-south lines spaced 400m apart. The lines were cut every 400m, with chained and pegged lines in between.

The lithologies comprise mostly of east-northeast to east-northwest striking mafic to intermediate volcanics that dip moderately to the north. Across the middle of the property a mafic unit extends to the east where it and the volcanics are truncated by the dioritic Southern Batholith.

Later diabase dykes trend northwest across the property and the likely are following fractures.

ogies

cross

tuff

re to

with

re of

as a

er to

rare

eral

rix.

ops,

lsic

cks.

The

long

The tuffs and lapilli-tuffs contain a large percentage of small feldspar phenocrysts with rounded shape. There are also mafic grains and occasional rounded quartz eyes.

Units 5, 7 - Felsic Intrusives

The Southern Batholith appears as two different phases. A quartz poor dioritic intrusive to the east and as a biotite-hornblende granodiorite to the south-east. Xenoliths of mafic rock are common, showing amphibolite metamorphism towards their contacts.

Unit 9 - Diabase Dykes

The dykes in the region are equigranular, medium grained, magnetite-epidote bearing intrusives with traces of pyrite plus very rare pyrrhotite. They trend WNW, generally dip vertically, and are most concentrated in the SW corner of the property. Two N-S dykes in this area appear to act as feeders to the many smaller dykes.

Continuous magnetic trends have been found to correlate with certain diabase dykes, it is conjectured that they are late-stage dykes, and thus have a stronger signature than the earlier dykes.

6.0 STRUCTURE

The major lineaments on the property are the west-northwest valleys parallel to Pipe Lake and north-northwest valleys which control drainage from the property. North trending diabase dykes also seem to fill faults, as in the southwest. Alteration associated with these northwest trending faults is epidote, carbonate and quartz, with some brecciation along the valley floors. Offset appears dextral.

7.0 DISCUSSION

The predominance of mafic and intermediate volcanics on the property without any time break indicated by a sediment unit is discouraging. Alteration and shearing was lacking in almost all the outcrop, except for a zone around L151E 107N. The type of quartz veining and shearing that hosts the Eagle River deposit was not observed on the property. The northwest faults seem to be the only sources of any alteration observed. The intrusive bodies, where cut by a cross-lineament, show some silicification and, with other such lineaments, deserve further work.

8.0 CONCLUSIONS AND RECOMMENDATIONS

The property has now been covered by a geological survey and by prospecting. Results and geology are not encouraging to

finding mineralization on the claim group.

Since what alteration that exists is controlled by structural features, a detailed, intensive mapping and prospecting program should occur in and around these valleys. Any favourable showings can be trenched and sampled by either bulk or channel samples.

More intensive shallow exploration drilling should then be considered pending favourable results.

STATEMENT OF QUALIFICATIONS

I, Michael J. Miller of Noranda Exploration Company, Limited do hereby certify that:

1. I am a geologist residing at 36 Fernwood Park Ave., Toronto, Ontario, M4E 3G1.
2. I am a graduate of Brock University.
3. I have practiced my profession for three years and supervised the work carried out in this report.
4. I do not directly or indirectly hold an interest in the property.

Signature:



Name: Michael J. Miller

Address: 36 Fernwood Park Ave., Toronto, Ontario, M4E 3G1

Date: August 22, 1989



41N13NE0009 2.12724 PILOT HARBOUR

020

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)

OIL CITY
GEOCHEMICAL ASSESSMENT REPORT
NTS 41N/13

RECEIVED

SEP 07 1989

MINING LANDS SECTION

2.12724

Project Number 1118
Hemlo, Ontario
August 22, 1989

Michael J. Miller
Geologist



020C

TABLE OF CONTENTS

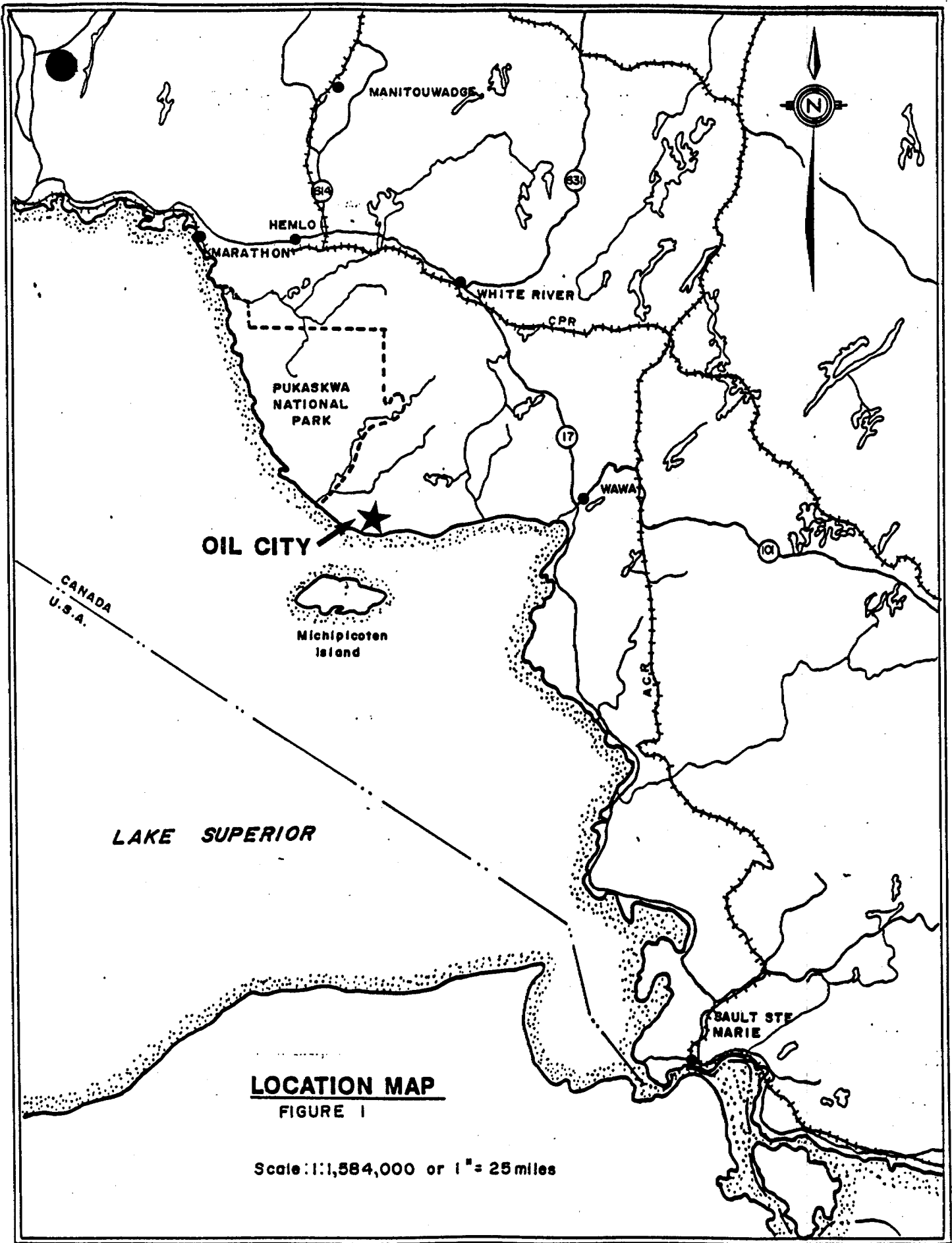
	Page
1.0 Introduction.....	1
2.0 Location & Access.....	2
3.0 Property Description.....	2
3.1 Disposition Status.....	2
3.2 Joint Venture Status.....	2
3.3 Physiography.....	3
4.0 Regional Geology.....	3
5.0 Soil Geochemistry.....	4
6.0 Discussion of Results.....	5
7.0 Conclusions & Recommendations.....	6
8.0 Statement of Qualifications.....	7

LIST OF ATTACHMENTS

Figure 1	Mishibishu Belt - Location Map
Figure 2	Claim Location Map
Chart 1	Anomalous Gold Soil Values
Appendix A	Soil Analyses
Map 1	Soil Geochemistry Location

1.0 INTRODUCTION: (Figure 1)

The Oil City property is located in the Pilot Harbour portion of the Mishibishu greenstone belt near Wawa, Ontario, and consists of a group of 50 contiguous claims. Noranda Exploration Co., Ltd. entered into a joint venture agreement with Central Crude on July 7, 1988, in which Noranda can earn 50% interest in the property. The purpose of the joint venture is to explore for gold deposits in the area. To date, three ore zones have been discovered along the Mishibishu belt; the Magnacon Zone (Muscocho-Flanagan McAdam-Windarra) hosts reserves of about 1.3 mt of 8.6 g/t gold, while the Mishibishu Main Zone (McMillan-Granges) has indicated reserves of 1.1 mt of 5.7 g/t gold; and the Central Crude-Hemlo deposit of 1.7 mt of 8.23 g/t cut.



2.0 LOCATION AND ACCESS:

The Mishibishu Greenstone Belt is located immediately north of Lake Superior, between Wawa and Hemlo. Road access is available to the belt via a gravel road from Highway 17 (50 km northwest of Wawa) to the vicinity of Noranda's Cameron Lake camp. Property access is then best achieved by helicopter or by a float-equipped aircraft onto Pipe Lake.

3.0 PROPERTY DESCRIPTION

3.1 Disposition Status (Figure 2)

The Oil City property consists of 50 contiguous unpatented mining claims located in the Pilot Harbour area in the Sault Ste. Marie mining division. The claim numbers are :

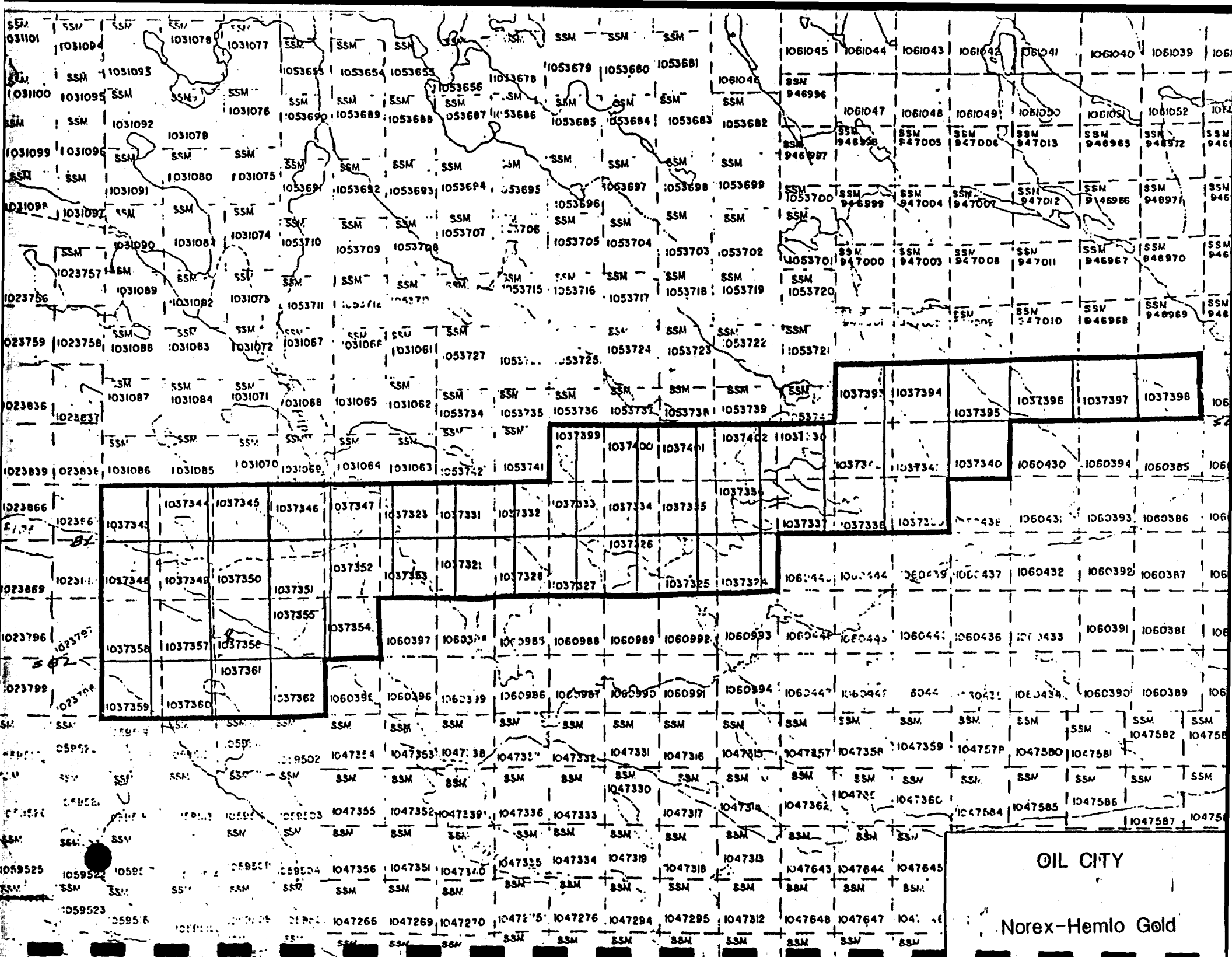
SSM 1037323 to SSM 1037362 inclusive

SSM 1037393 to SSM 1037402

All claims are currently held in good standing. Assessment is due November 19, 1991.

3.2 Joint Venture Status

An option agreement was signed between Noranda Exploration Company, Limited and Central Crude Explorations Limited dated July 7, 1988 giving Norex the sole right to earn into the 50



OIL CITY

Norex-Hemlo Gold

original claims of the property to 50%. In order to earn this interest, Norex must make total exploration expenditures of \$1,000,000 before May 30, 1991. Noranda is the operator of the work programs on the project.

3.3 Physiography

The area is dominated by east-west trending bedrock ridges, covered with a discontinuous mantle of locally derived glacial till. Between the ridges are low, wet areas with only occasional outcrop. The centre of the property is masked by a thick glacio-lacustrine sand plain.

Vegetation is poplar, maples and pines on the hills, spruce, cedar and alders in the lows.

4.0 REGIONAL GEOLOGY

The Mishibishu Greenstone Belt is of Archean age, and comprises part of the Abitibi-Wawa-Shebandowan subprovince of the Canadian Shield. The rocks consist of predominantly mafic to intermediate metavolcanics, with minor felsic metavolcanics, and associated interbedded metasediments which are predominantly arkosic in nature. They form an arc-shaped, synformal belt separated into limbs by three large, felsic intrusives. The supracrustal rocks have been intruded by early Precambrian gabbroic bodies, while the entire sequence is cut by mid to late

Precambrian diabase dykes and Proterozoic lamprophyre dykes.

Large scale folds and faults are not readily evident within the belt, although smaller such structures are seen locally. The major structural features observed are linear deformation zones in which shearing, alteration, etc. are more concentrated. These are oriented sub-parallel to the local stratigraphy, both of which wrap around the large felsic intrusive bodies.

Metamorphism has generally been recorded as mid to lower greenschist facies, with minor, high rank metamorphism evident near felsic intrusions.

5.0 SOIL GEOCHEMISTRY

A soil geochemistry survey was conducted over the entire property by Noranda personnel and a contract crew from Exsics Exploration during the summer of 1989. This work involved the collection of 'B' horizon soil ('Ah' horizon soils where necessary) at 25 meter stations along picketed and flagged lines. The samples were field dried and shipped to Chemex Labs Ltd. to be analyzed for gold and/or a 32 element trace using Atomic Adsorption & ICP techniques respectfully. A total of 199 'A' horizon and 2374 'B' horizon samples were collected during the survey. The purpose of the work was to provide complete grid coverage so as to identify zones of anomalous gold and provide

targets for further prospecting and follow-up.

6.0 DISCUSSION OF RESULTS

The Oil City property has been covered completely by a soil survey carried out by Noranda Exploration Company, Limited.

Sampling of 'B' Horizon (Ah where necessary) and Au analysis of 2573 samples yielded results of low values, with very weak trends. The 32 element ICP package failed to show any significant highs from 520 samples.

In the soils there were only 4 gold values greater than 100 ppb, the highest being 120 ppb. Scattered values between 15 and 100 ppb occur, but rarely as a trend. Chart 1 shows the location and values for significant results.

ANOMALOUS GOLD SOIL VALUES

EASTING	NORTHING	VALUE (ppb)
L111E	101+75N	100
L136E	101+75N	114
L136E	107+25N	100
L166E	110+75N	120
L100E	95+25N	75
L112E	96+00N	50
L112E	96+25N	70
L112E	98+25N	60
L124E	98+50N	60
L135E	100+50N	61

7.0 CONCLUSIONS & RECOMMENDATIONS

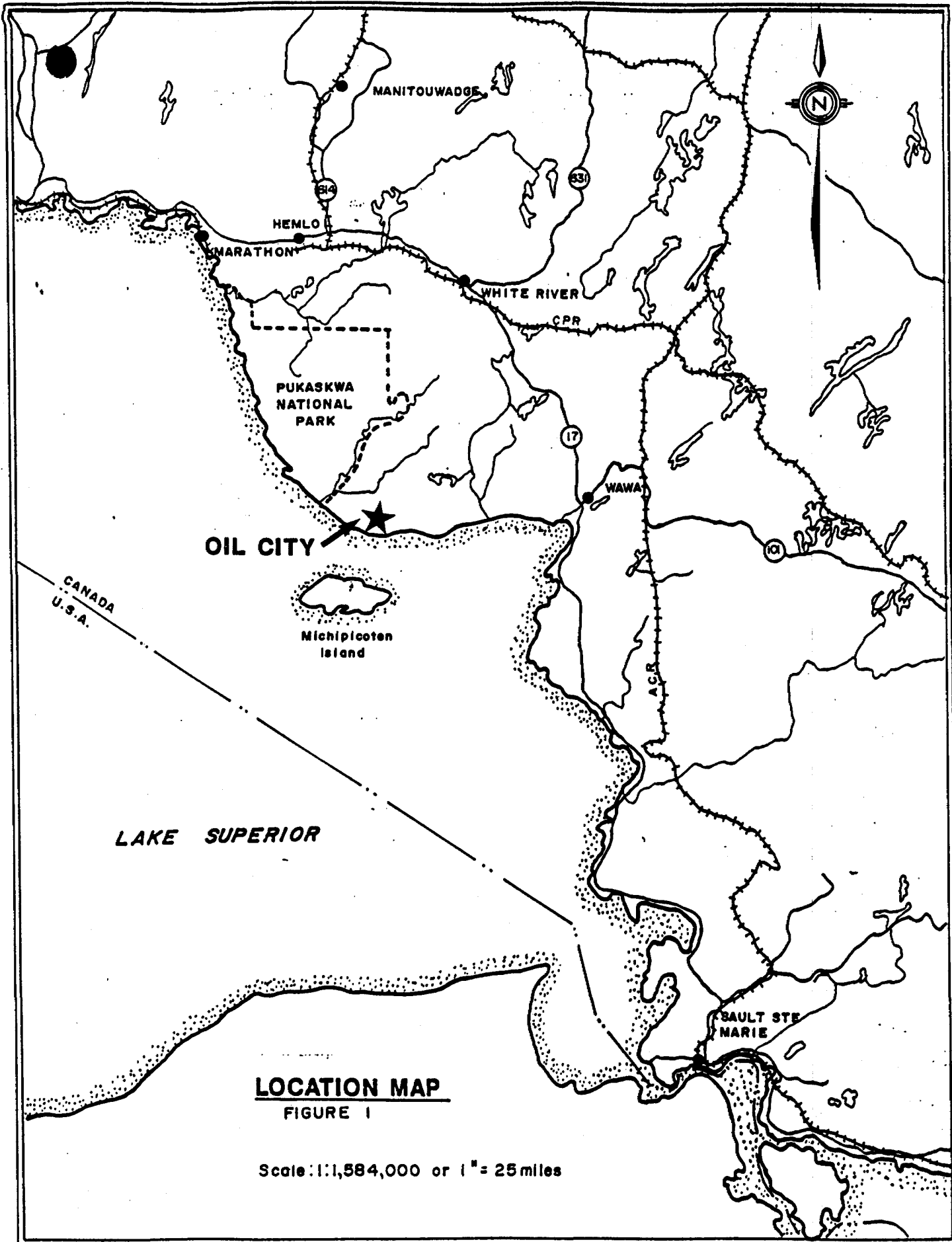
The soil values returned little encouragement for gold mineralization on the property. The thick lacustrine plain in the centre of the property may mask some mineralization that was not picked up by the soils.

A follow-up of the soil samples should involve prospecting around the high values. Any mineral occurrence discovered from this activity can then be mapped and sampled in detail.



John Gingerich

2,7574

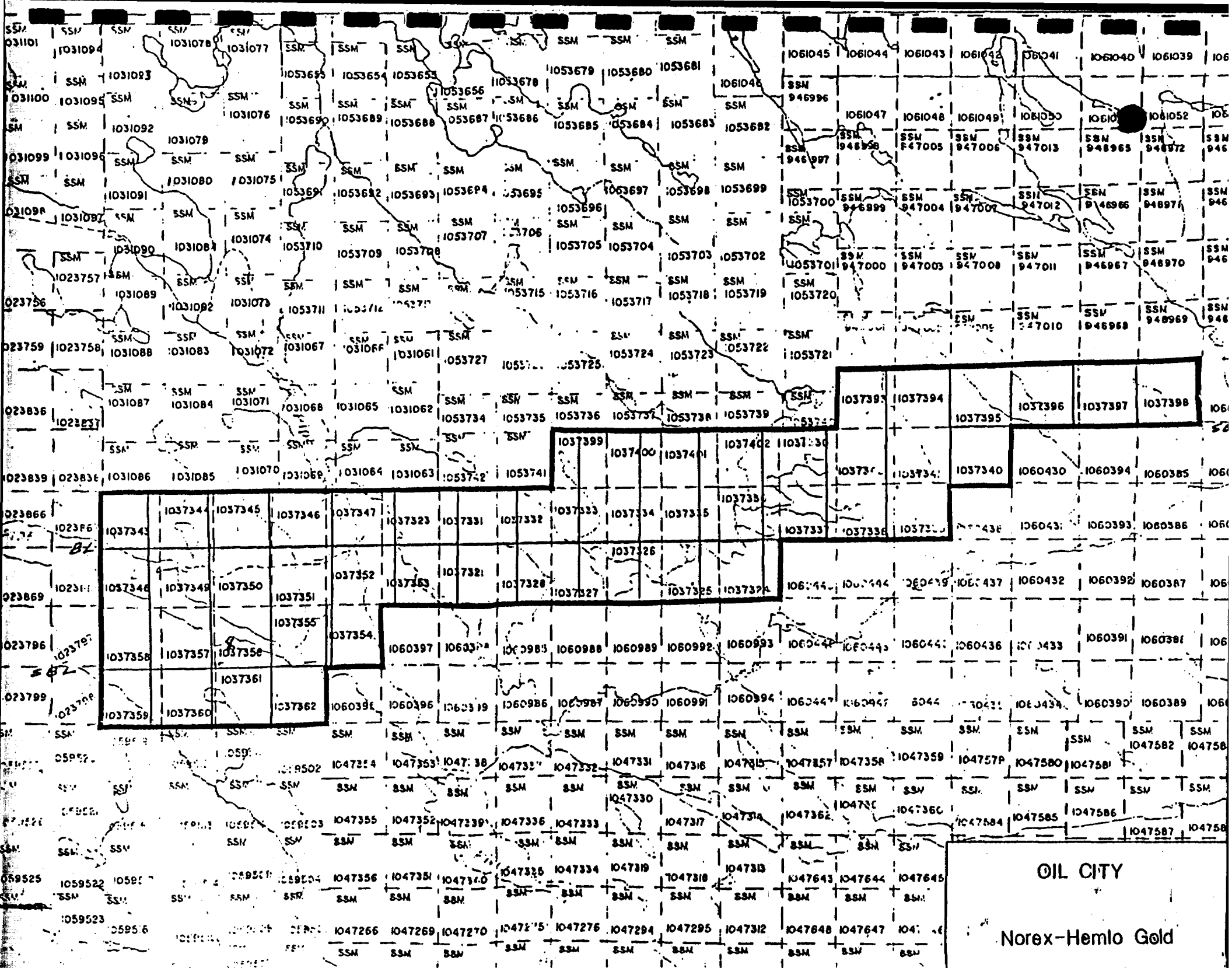


OIL CITY

LOCATION MAP

FIGURE 1

Scale: 1:1,584,000 or 1" = 25 miles



OIL CITY

Norex-Hemlo Gold

STATEMENT OF QUALIFICATIONS

I, Michael J. Miller of Noranda Exploration Company, Limited do hereby certify that:

1. I am a geologist residing at 36 Fernwood Park Ave., Toronto, Ontario, M4E 3G1.

2. I am a graduate of Brock University.

3. I have practiced my profession for three years and supervised the work carried out in this report.

4. I do not directly or indirectly hold an interest in the property.

Signature:



Name: Michael J. Miller

Address: 36 Fernwood Park Ave., Toronto, Ontario, M4E 3G1

Date: August 22, 1989



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 118-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1-B
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L92E 90+00N	201 238	1	0.01	15	650	14	< 5	4	17	0.16	< 10	< 10	130	10	142
L92E 90+50N	201 238	< 1	0.01	82	800	2	< 5	2	108	0.08	< 10	< 10	42	10	114
L92E 90+75N	201 238	2	0.01	8	290	4	< 5	2	9	0.15	< 10	< 10	92	< 10	52
L92E 91+00N	201 238	2	0.01	8	190	< 2	< 5	1	11	0.11	< 10	< 10	39	< 10	52
L92E 91+25N	201 238	< 1	0.01	18	540	< 2	< 5	2	16	0.14	< 10	< 10	61	< 10	108
L92E 91+50N	201 238	1	0.01	20	250	4	< 5	2	13	0.12	< 10	< 10	35	< 10	66
L92E 91+75N	201 238	2	0.01	19	600	4	< 5	3	14	0.16	< 10	< 10	98	< 10	86
L92E 92+00N	201 238	1	0.01	11	480	< 2	< 5	3	9	0.12	< 10	< 10	48	< 10	62
L92E 92+25N	201 238	< 1	0.01	4	290	6	< 5	1	9	0.09	< 10	< 10	29	< 10	36
L92E 92+50N	201 238	1	0.01	12	580	2	< 5	3	8	0.10	< 10	< 10	43	< 10	50
L92E 92+75N	201 238	3	0.01	7	890	10	< 5	2	9	0.06	< 10	< 10	31	< 10	70
L92E 93+00N	201 238	1	0.01	6	590	8	< 5	3	7	0.08	< 10	< 10	41	< 10	52
L92E 93+25N	201 238	< 1	0.01	11	820	< 2	< 5	4	7	0.13	< 10	< 10	68	< 10	64
L92E 93+50N	201 238	1	0.01	6	530	2	< 5	4	6	0.11	< 10	< 10	52	< 10	52
L92E 93+75N	201 238	1	< 0.01	5	160	2	< 5	1	6	0.09	< 10	< 10	27	< 10	30
L92E 94+00N	201 238	2	0.01	12	560	10	< 5	4	5	0.10	< 10	< 10	45	< 10	44
L92E 94+25N	201 238	< 1	0.01	9	340	4	< 5	3	5	0.09	< 10	< 10	33	< 10	34
L92E 94+50N	201 238	1	0.01	4	250	4	< 5	1	5	0.06	< 10	< 10	26	< 10	30
L92E 94+75N	201 238	1	0.01	12	390	2	< 5	3	6	0.07	< 10	< 10	28	< 10	38
L92E 95+00N	201 238	6	0.01	9	490	14	< 5	6	5	0.14	< 10	< 10	63	< 10	42
L92E 95+25N	201 238	1	0.01	21	270	14	< 5	3	12	0.14	< 10	< 10	48	< 10	42
L92E 95+50N	201 238	1	0.01	14	300	10	< 5	3	11	0.14	< 10	< 10	58	< 10	56
L92E 95+75N	201 238	1	0.01	9	320	24	< 5	4	9	0.13	< 10	< 10	56	10	40
L92E 96+25N	201 238	< 1	0.01	14	400	16	< 5	3	14	0.12	< 10	< 10	36	< 10	48
L92E 96+50N	201 238	< 1	0.01	22	230	12	< 5	3	12	0.10	< 10	< 10	28	< 10	36
L93E 86+50N	201 238	< 1	0.01	13	310	6	< 5	2	8	0.09	< 10	< 10	37	< 10	30
L93E 86+75N	201 238	< 1	0.01	13	320	10	< 5	2	8	0.11	< 10	< 10	53	< 10	36
L93E 87+00N	201 238	1	0.01	13	290	12	< 5	2	10	0.10	< 10	< 10	41	< 10	36
L93E 87+25N	201 238	< 1	0.01	23	580	12	5	4	16	0.20	< 10	< 10	110	20	88
L93E 87+50N	201 238	1	0.01	23	610	10	< 5	3	13	0.16	< 10	< 10	93	10	88
L93E 88+00N	201 238	< 1	0.01	24	580	6	5	3	21	0.10	< 10	< 10	50	< 10	140
L93E 88+25N	201 238	< 1	0.01	12	270	8	5	2	14	0.07	< 10	< 10	22	< 10	56
L93E 88+50N	201 238	< 1	0.01	12	600	< 2	5	2	17	0.07	< 10	< 10	32	< 10	42
L93E 88+75N	201 238	< 1	0.01	6	210	2	5	2	9	0.09	< 10	< 10	36	< 10	24
L93E 89+00N	201 238	< 1	0.01	14	580	2	< 5	2	17	0.08	< 10	< 10	42	< 10	50
L93E 89+25N	201 238	< 1	0.01	10	300	< 2	5	2	14	0.08	< 10	< 10	30	< 10	38
L93E 89+50N	201 238	< 1	0.01	23	1060	8	< 5	4	22	0.17	< 10	< 10	120	10	150
L93E 90+00N	201 238	< 1	0.02	55	440	8	10	2	55	0.11	< 10	< 10	86	10	108
L93E 90+50N	201 238	< 1	< 0.01	11	220	14	< 5	2	8	0.15	< 10	< 10	74	< 10	44
L93E 90+75N	201 238	1	0.01	9	310	16	< 5	2	17	0.19	< 10	< 10	71	10	48

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 118-F2
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No.: 2-A
 Tot. Pages: 5
 Date: 23-JUL-89
 Invoice #: I-8920392
 P.O. #

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L93E 91+00N	201 238	< 5	1.11	0.4	15	40	< 0.5	2	0.18	< 0.5	5	30	22	3.17	< 10	< 1	0.05	10	0.25	125
L93E 91+25N	201 238	< 5	1.25	0.4	< 5	30	< 0.5	< 2	0.21	< 0.5	5	24	44	1.83	< 10	< 1	0.04	10	0.34	125
L93E 91+50N	201 238	< 5	2.37	0.2	15	70	< 0.5	< 2	0.44	< 0.5	17	33	93	5.04	< 10	< 1	0.09	10	0.69	1150
L93E 91+75N	201 238	< 5	3.22	0.2	35	50	< 0.5	2	0.14	< 0.5	6	32	18	2.96	< 10	< 1	0.03	10	0.27	95
L93E 92+00N	201 238	< 5	1.98	< 0.2	25	50	< 0.5	< 2	0.16	< 0.5	8	36	18	2.68	< 10	< 1	0.03	10	0.30	400
L93E 92+25N	201 238	< 5	1.37	0.4	< 5	40	< 0.5	< 2	0.16	< 0.5	5	28	13	1.93	< 10	< 1	0.04	10	0.33	120
L93E 92+50N	201 238	< 5	1.85	0.2	10	30	< 0.5	6	0.19	< 0.5	6	35	17	3.14	< 10	< 1	0.03	10	0.34	160
L93E 92+75N	201 238	< 5	1.86	0.2	5	40	< 0.5	2	0.20	< 0.5	7	39	21	2.10	< 10	< 1	0.04	10	0.42	390
L93E 93+00N	201 238	< 5	1.58	0.2	5	50	< 0.5	2	0.15	< 0.5	3	21	8	2.74	< 10	2	0.03	10	0.14	100
L93E 93+25N	201 238	< 5	2.04	0.2	< 5	40	< 0.5	2	0.29	< 0.5	8	30	25	2.02	< 10	2	0.04	10	0.30	135
L93E 93+50N	201 238	< 5	6.15	0.4	20	70	1.0	< 2	0.41	< 0.5	23	49	84	2.06	< 10	2	0.04	20	0.27	1175
L93E 93+75N	201 238	< 5	3.10	< 0.2	< 5	40	< 0.5	< 2	0.19	< 0.5	5	30	44	2.91	< 10	1	0.05	10	0.18	100
L93E 94+25N	201 238	< 5	2.59	< 0.2	< 5	40	< 0.5	2	0.17	< 0.5	5	30	21	2.72	< 10	< 1	0.04	10	0.21	95
L93E 94+50N	201 238	< 5	1.16	< 0.2	< 5	30	< 0.5	2	0.15	< 0.5	5	25	10	1.95	< 10	< 1	0.04	10	0.31	120
L93E 94+75N	201 238	< 5	1.27	< 0.2	< 5	40	< 0.5	2	0.14	< 0.5	4	21	13	1.62	< 10	< 1	0.05	10	0.26	115
L93E 95+00N	201 238	< 5	3.43	< 0.2	15	50	< 0.5	2	0.14	< 0.5	7	36	62	3.54	< 10	< 1	0.03	10	0.17	80
L93E 95+25N	201 238	< 5	3.60	< 0.2	< 5	50	< 0.5	2	0.14	0.5	7	43	15	3.72	< 10	2	0.03	10	0.18	80
L93E 95+50N	201 238	< 5	0.97	< 0.2	10	40	< 0.5	2	0.14	< 0.5	3	19	38	1.51	< 10	< 1	0.02	10	0.16	55
L93E 96+00N	201 238	< 5	1.61	< 0.2	< 5	100	< 0.5	< 2	0.31	0.5	9	35	30	2.43	< 10	< 1	0.06	10	0.39	150
L93E 96+25N	201 238	< 5	1.90	< 0.2	15	150	< 0.5	< 2	0.29	< 0.5	10	37	40	1.93	< 10	1	0.05	10	0.43	150
L94E 86+75N	201 238	< 5	2.62	< 0.2	10	80	< 0.5	< 2	0.18	< 0.5	6	26	44	3.63	< 10	1	0.06	10	0.23	95
L94E 87+25N	201 238	< 5	2.78	0.4	< 5	40	< 0.5	4	0.15	0.5	9	48	54	5.35	< 10	< 1	0.06	10	0.27	275
L94E 87+50N	201 238	< 5	1.65	< 0.2	15	40	< 0.5	2	0.16	< 0.5	7	26	17	2.70	< 10	< 1	0.04	10	0.30	175
L94E 87+75N	201 238	< 5	2.80	< 0.2	< 5	40	< 0.5	< 2	0.24	< 0.5	10	38	35	2.72	< 10	< 1	0.07	10	0.43	135
L94E 88+25N	201 238	< 5	1.71	0.2	5	30	< 0.5	< 2	0.42	< 0.5	5	21	23	2.14	< 10	< 1	0.01	10	0.27	205
L94E 88+50N	201 238	< 5	1.02	< 0.2	< 5	10	< 0.5	< 2	0.30	< 0.5	3	21	16	1.05	< 10	< 1	0.01	10	0.23	65
L94E 88+75N	201 238	< 5	1.37	< 0.2	25	40	< 0.5	< 2	0.39	< 0.5	6	32	31	1.66	< 10	< 1	0.04	20	0.38	120
L94E 89+00N	201 238	< 5	4.18	< 0.2	25	120	< 0.5	< 2	0.50	< 0.5	13	43	38	6.82	< 10	2	0.11	10	0.57	190
L94E 89+25N	201 238	< 5	2.67	< 0.2	< 5	80	< 0.5	< 2	0.53	< 0.5	12	37	54	4.13	< 10	< 1	0.07	10	0.68	385
L94E 89+50N	201 238	< 5	2.84	< 0.2	25	40	< 0.5	2	0.14	< 0.5	10	30	45	2.99	< 10	< 1	0.04	10	0.41	510
L94E 89+75N	201 238	15	0.79	< 0.2	15	20	< 0.5	< 2	0.13	< 0.5	2	24	5	1.42	< 10	< 1	0.02	10	0.12	60
L94E 90+00N	201 238	5	1.48	< 0.2	< 5	40	< 0.5	< 2	0.13	< 0.5	5	26	11	2.92	< 10	< 1	0.03	10	0.22	115
L94E 90+25N	201 238	< 5	1.97	< 0.2	10	50	< 0.5	< 2	0.21	< 0.5	7	30	30	2.46	< 10	< 1	0.04	10	0.35	110
L94E 90+50N	201 238	< 5	1.72	0.2	10	40	< 0.5	< 2	0.15	< 0.5	5	24	36	2.59	< 10	< 1	0.04	10	0.26	90
L94E 90+75N	201 238	< 5	1.79	0.2	5	50	< 0.5	2	0.17	< 0.5	9	32	15	2.70	< 10	1	0.04	10	0.39	300
L94E 91+00N	201 238	< 5	1.95	< 0.2	< 5	30	< 0.5	2	0.13	< 0.5	4	36	11	2.64	< 10	< 1	0.03	< 10	0.44	150
L94E 91+25N	201 238	< 5	2.59	< 0.2	5	40	< 0.5	2	0.15	< 0.5	4	30	25	2.80	< 10	< 1	0.04	10	0.25	200
L94E 91+50N	201 238	< 5	2.55	< 0.2	< 5	40	< 0.5	< 2	0.15	< 0.5	4	29	6	2.81	< 10	< 1	0.04	10	0.27	115
L94E 91+75N	201 238	< 5	2.84	< 0.2	25	40	< 0.5	2	0.16	< 0.5	4	41	7	4.09	< 10	< 1	0.04	10	0.34	145
L94E 92+00N	201 238	< 5	2.32	< 0.2	< 5	40	< 0.5	< 2	0.14	< 0.5	4	26	9	2.52	< 10	< 1	0.03	10	0.27	280

CERTIFICATION :

B. C. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 118-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2-B
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L93E 91+00N	201 238	1	0.01	12	690	12	< 5	2	12	0.13	< 10	< 10	55	< 10	56
L93E 91+25N	201 238	< 1	0.01	16	220	2	< 5	2	13	0.10	< 10	< 10	33	< 10	60
L93E 91+50N	201 238	2	0.01	19	790	12	< 5	2	38	0.11	< 10	< 10	75	< 10	122
L93E 91+75N	201 238	2	0.01	18	510	8	< 5	3	9	0.09	< 10	< 10	39	< 10	56
L93E 92+00N	201 238	< 1	0.01	16	470	20	< 5	2	8	0.10	< 10	< 10	42	< 10	58
L93E 92+25N	201 238	< 1	0.01	15	220	4	< 5	2	10	0.10	< 10	< 10	29	< 10	54
L93E 92+50N	201 238	< 1	0.01	16	350	< 2	< 5	3	11	0.12	< 10	< 10	44	< 10	54
L93E 92+75N	201 238	< 1	0.01	21	450	< 2	< 5	3	13	0.10	< 10	< 10	29	< 10	84
L93E 93+00N	201 238	< 1	0.01	6	270	< 2	< 5	2	13	0.13	< 10	< 10	52	< 10	66
L93E 93+25N	201 238	< 1	0.01	19	360	2	5	3	15	0.12	< 10	< 10	38	< 10	54
L93E 93+50N	201 238	1	0.01	39	960	< 2	< 5	6	17	0.07	< 10	< 10	36	< 10	116
L93E 93+75N	201 238	1	0.01	12	500	< 2	< 5	4	13	0.08	< 10	< 10	39	< 10	66
L93E 94+25N	201 238	< 1	0.01	12	380	< 2	< 5	3	13	0.11	< 10	< 10	36	< 10	58
L93E 94+50N	201 238	< 1	0.01	10	120	< 2	< 5	2	11	0.13	< 10	< 10	34	< 10	38
L93E 94+75N	201 238	< 1	0.01	9	130	< 2	< 5	2	11	0.10	< 10	< 10	31	< 10	44
L93E 95+00N	201 238	< 1	0.01	17	500	2	< 5	3	9	0.10	< 10	< 10	46	< 10	50
L93E 95+25N	201 238	< 1	0.01	13	420	6	< 5	4	7	0.11	< 10	< 10	51	< 10	48
L93E 95+50N	201 238	< 1	0.01	9	120	4	< 5	1	8	0.08	< 10	< 10	33	< 10	28
L93E 96+00N	201 238	< 1	0.01	19	420	4	< 5	3	16	0.14	< 10	< 10	45	< 10	54
L93E 96+25N	201 238	< 1	0.01	22	160	2	< 5	3	17	0.12	< 10	< 10	33	< 10	54
L94E 86+75N	201 238	1	0.01	13	290	4	< 5	3	14	0.12	< 10	< 10	52	< 10	52
L94E 87+25N	201 238	< 1	0.01	17	530	8	< 5	3	11	0.18	< 10	< 10	120	< 10	70
L94E 87+50N	201 238	< 1	0.01	15	340	6	< 5	2	11	0.12	< 10	< 10	44	< 10	68
L94E 87+75N	201 238	1	0.01	32	450	2	< 5	4	14	0.11	< 10	< 10	38	< 10	56
L94E 88+25N	201 238	< 1	0.01	12	340	< 2	< 5	2	17	0.08	< 10	< 10	33	< 10	40
L94E 88+50N	201 238	< 1	0.01	9	220	< 2	< 5	1	14	0.09	< 10	< 10	24	< 10	30
L94E 88+75N	201 238	< 1	0.01	20	270	< 2	< 5	3	23	0.11	< 10	< 10	30	< 10	30
L94E 89+00N	201 238	1	0.01	42	850	4	< 5	4	35	0.22	< 10	< 10	103	10	170
L94E 89+25N	201 238	< 1	0.02	38	670	< 2	< 5	3	35	0.14	< 10	< 10	71	< 10	130
L94E 89+50N	201 238	1	0.01	30	570	< 2	< 5	2	11	0.09	< 10	< 10	45	< 10	100
L94E 89+75N	201 238	< 1	< 0.01	9	170	< 2	< 5	1	11	0.09	< 10	< 10	40	< 10	24
L94E 90+00N	201 238	< 1	0.01	11	200	< 2	< 5	1	11	0.13	< 10	< 10	62	< 10	44
L94E 90+25N	201 238	< 1	0.01	23	300	< 2	< 5	2	13	0.12	< 10	< 10	43	< 10	60
L94E 90+50N	201 238	< 1	0.01	12	300	< 2	< 5	2	15	0.13	< 10	< 10	48	< 10	50
L94E 90+75N	201 238	1	0.01	18	290	< 2	< 5	2	11	0.13	< 10	< 10	48	< 10	86
L94E 91+00N	201 238	1	0.01	14	460	< 2	< 5	1	7	0.11	< 10	< 10	44	< 10	72
L94E 91+25N	201 238	< 1	0.01	12	780	< 2	< 5	2	12	0.08	< 10	< 10	51	< 10	62
L94E 91+50N	201 238	< 1	0.01	13	360	2	< 5	2	11	0.12	< 10	< 10	44	< 10	72
L94E 91+75N	201 238	1	0.01	13	740	2	< 5	3	11	0.13	< 10	< 10	61	< 10	76
L94E 92+00N	201 238	1	0.01	9	1730	2	< 5	1	9	0.06	< 10	< 10	37	< 10	90

CERTIFICATION :

B. C. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 118-F1
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No.: 3-A
 Tot. Pages: 5
 Date: 23-JUL-89
 Invoice #: I-8920392
 P.O. #:

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L94E 92+2.5N	201 238	< 5	1.93	< 0.2	< 5	40	< 0.5	< 2	0.14	< 0.5	6	36	16	3.22	< 10	< 1	0.04	10	0.24	165
L94E 92+5.0N	201 238	< 5	3.38	0.2	10	40	< 0.5	< 2	0.13	< 0.5	6	37	13	3.19	< 10	< 1	0.04	10	0.25	95
L94E 92+7.5N	201 238	< 5	2.01	0.2	10	50	< 0.5	2	0.19	< 0.5	8	30	16	1.58	< 10	< 1	0.05	10	0.32	170
L94E 93+0.0N	201 238	< 5	2.18	0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	5	26	7	2.49	10	< 1	0.03	10	0.17	75
L94E 93+2.5N	201 238	< 5	1.71	0.2	< 5	30	< 0.5	2	0.10	< 0.5	5	23	11	2.07	< 10	< 1	0.04	10	0.18	75
L94E 93+5.0N	201 238	< 5	2.48	0.2	5	40	< 0.5	< 2	0.17	< 0.5	11	29	24	2.71	< 10	< 1	0.04	10	0.39	125
L94E 93+7.5N	201 238	< 5	2.99	0.2	10	30	< 0.5	2	0.10	< 0.5	6	33	17	3.01	< 10	< 1	0.03	10	0.20	65
L94E 94+0.0N	201 238	< 5	1.93	0.2	< 5	60	< 0.5	2	0.14	< 0.5	12	26	26	1.87	< 10	< 1	0.07	10	0.33	265
L94E 94+2.5N	201 238	< 5	0.98	0.4	5	20	< 0.5	< 2	0.16	< 0.5	5	20	14	1.28	< 10	< 1	0.02	10	0.33	110
L94E 94+5.0N	201 238	< 5	2.29	< 0.2	15	20	< 0.5	< 2	0.10	< 0.5	3	28	15	2.83	10	< 1	0.03	10	0.23	70
L94E 94+7.5N	201 238	< 5	4.81	0.4	5	30	0.5	< 2	0.14	< 0.5	7	27	47	2.36	< 10	2	0.03	10	0.18	65
L94E 95+0.0N	201 238	< 5	1.77	0.4	10	30	< 0.5	< 2	0.11	< 0.5	5	22	19	2.50	< 10	< 1	0.03	10	0.18	70
L94E 95+2.5N	201 238	10	3.76	0.2	< 5	60	< 0.5	< 2	0.13	0.5	12	37	70	6.97	10	< 1	0.05	10	0.15	250
L94E 95+5.0N	201 238	< 5	1.55	< 0.2	< 5	40	< 0.5	< 2	0.14	< 0.5	5	27	20	3.61	< 10	< 1	0.04	10	0.24	100
L94E 95+7.5N	201 238	< 5	4.13	< 0.2	< 5	40	< 0.5	< 2	0.40	0.5	17	22	60	4.66	< 10	< 1	0.04	10	0.85	195
L95E 89+0.0N	201 238	5	3.41	< 0.2	5	40	< 0.5	< 2	0.22	< 0.5	12	32	34	5.86	10	< 1	0.06	10	0.56	160
L95E 89+2.5N	201 238	10	2.70	< 0.2	< 5	30	< 0.5	< 2	0.09	0.5	6	33	13	4.26	10	< 1	0.05	10	0.22	90
L95E 89+5.0N	201 238	< 5	2.11	< 0.2	< 5	50	< 0.5	< 2	0.12	1.0	6	41	18	5.94	10	< 1	0.05	10	0.32	115
L95E 89+7.5N	201 238	10	2.19	0.6	< 5	40	< 0.5	< 2	0.17	< 0.5	9	28	32	2.37	< 10	< 1	0.05	10	0.34	110
L95E 90+0.0N	201 238	< 5	3.36	0.2	< 5	40	< 0.5	< 2	0.11	0.5	7	40	15	4.59	< 10	< 1	0.05	10	0.27	100
L101E 90+0.0N	201 238	< 5	2.71	0.2	< 5	40	0.5	2	0.16	< 0.5	7	35	27	2.36	< 10	< 1	0.03	10	0.23	115
L101E 90+2.5N	201 238	< 5	3.28	0.2	< 5	40	0.5	< 2	0.15	< 0.5	5	37	10	3.37	< 10	< 1	0.03	10	0.16	110
L101E 90+5.0N	201 238	< 5	2.29	0.2	< 5	40	0.5	2	0.12	< 0.5	5	23	12	1.71	< 10	< 1	0.03	10	0.21	130
L101E 90+7.5N	201 238	< 5	2.55	0.2	< 5	40	0.5	< 2	0.12	< 0.5	4	27	15	2.27	< 10	< 1	0.04	10	0.18	90
L101E 91+0.0N	201 238	< 5	3.16	< 0.2	< 5	30	0.5	4	0.12	< 0.5	5	37	10	2.33	< 10	< 1	0.05	10	0.44	165
L101E 91+2.5N	201 238	< 5	3.21	0.2	< 5	60	0.5	< 2	0.14	< 0.5	6	31	21	2.75	< 10	< 1	0.07	10	0.20	110
L101E 91+5.0N	201 238	< 5	1.83	0.4	< 5	50	0.5	6	0.19	< 0.5	8	37	9	2.51	10	< 1	0.08	10	0.37	165
L104E 100+2.5N	201 238	< 5	3.15	0.4	5	50	0.5	4	0.18	< 0.5	7	51	10	3.86	10	< 1	0.06	10	0.33	115
L104E 100+5.0N	201 238	< 5	1.43	0.2	< 5	20	0.5	< 2	0.09	< 0.5	5	25	5	2.38	< 10	< 1	0.04	10	0.11	55
L104E 100+7.5N	201 238	< 5	1.30	0.2	< 5	30	< 0.5	2	0.15	< 0.5	5	21	23	1.51	< 10	< 1	0.04	10	0.26	115
L104E 101+0.0N	201 238	< 5	2.66	0.2	< 5	30	0.5	4	0.13	0.5	10	32	16	2.83	< 10	1	0.03	10	0.29	120
L104E 101+5.0N	201 238	< 5	2.56	< 0.2	< 5	20	0.5	< 2	0.09	< 0.5	7	31	16	2.23	< 10	< 1	0.02	10	0.24	70
L104E 101+7.5N	201 238	< 5	2.04	< 0.2	15	20	0.5	4	0.08	< 0.5	5	21	21	1.82	< 10	1	0.02	10	0.17	85
L104E 102+0.0N	201 238	< 5	2.33	< 0.2	< 5	20	< 0.5	2	0.07	< 0.5	7	24	24	3.18	< 10	< 1	0.02	10	0.20	85
L104E 102+2.5N	201 238	< 5	1.90	< 0.2	< 5	70	0.5	4	0.09	0.5	5	18	19	3.32	< 10	< 1	0.08	10	0.15	155
L104E 102+5.0N	201 238	< 5	1.38	< 0.2	< 5	30	0.5	2	0.07	< 0.5	6	22	11	2.59	< 10	< 1	0.04	10	0.24	115
L104E 102+7.5N	201 238	< 5	1.18	< 0.2	< 5	30	0.5	2	0.13	< 0.5	5	15	8	2.78	10	< 1	0.06	10	0.15	140
L104E 103+0.0N	201 238	< 5	1.90	< 0.2	< 5	40	< 0.5	< 2	0.11	< 0.5	6	22	11	3.30	10	< 1	0.05	20	0.21	85
L104E 103+2.5N	201 238	< 5	3.26	< 0.2	5	30	< 0.5	< 2	0.10	< 0.5	7	34	13	3.12	10	< 1	0.04	10	0.20	85
L104E 103+5.0N	201 238	< 5	4.27	< 0.2	10	20	< 0.5	< 2	0.07	< 0.5	5	29	32	4.34	< 10	< 1	0.03	20	0.13	45

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD, E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 118-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 3-B
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L94E 92+2.5N	201 238	< 1	0.01	11	680	< 2	< 5	2	11	0.10	< 10	< 10	56	< 10	68
L94E 92+5.0N	201 238	< 1	0.01	16	580	4	< 5	3	10	0.11	< 10	< 10	47	< 10	62
L94E 92+7.5N	201 238	< 1	0.01	23	310	2	< 5	3	16	0.11	< 10	< 10	31	< 10	66
L94E 93+0.0N	201 238	< 1	0.01	11	270	4	< 5	2	9	0.11	< 10	< 10	47	< 10	44
L94E 93+2.5N	201 238	< 1	0.01	8	220	< 2	< 5	2	10	0.12	< 10	< 10	46	< 10	38
L94E 93+5.0N	201 238	< 1	0.01	22	410	< 2	< 5	3	12	0.11	< 10	< 10	38	< 10	64
L94E 93+7.5N	201 238	< 1	0.01	13	360	2	< 5	3	9	0.11	< 10	< 10	49	< 10	42
L94E 94+0.0N	201 238	< 1	0.01	19	300	< 2	< 5	2	14	0.08	< 10	< 10	36	< 10	70
L94E 94+2.5N	201 238	< 1	0.01	13	110	< 2	< 5	2	11	0.10	< 10	< 10	24	< 10	32
L94E 94+5.0N	201 238	1	0.01	7	350	6	< 5	2	9	0.12	< 10	< 10	63	< 10	40
L94E 94+7.5N	201 238	1	0.01	14	470	6	5	4	10	0.08	< 10	< 10	33	< 10	32
L94E 95+0.0N	201 238	1	0.01	8	140	< 2	< 5	2	11	0.12	< 10	< 10	46	< 10	30
L94E 95+2.5N	201 238	2	0.01	14	360	8	< 5	4	10	0.14	< 10	< 10	119	< 10	60
L94E 95+5.0N	201 238	1	0.01	10	140	6	< 5	2	13	0.14	< 10	< 10	69	< 10	42
L95E 88+7.5N	201 238	< 1	0.05	58	400	< 2	< 5	2	30	0.10	< 10	< 10	65	< 10	86
L95E 89+0.0N	201 238	1	0.02	37	390	4	5	2	23	0.20	< 10	< 10	103	< 10	92
L95E 89+2.5N	201 238	1	0.01	15	270	< 2	< 5	2	10	0.15	< 10	< 10	77	< 10	58
L95E 89+5.0N	201 238	2	0.01	13	400	< 2	5	2	13	0.21	< 10	< 10	106	< 10	76
L95E 89+7.5N	201 238	1	0.01	18	270	2	< 5	2	14	0.11	< 10	< 10	40	< 10	54
L95E 90+0.0N	201 238	1	0.01	13	510	12	< 5	3	9	0.14	< 10	< 10	62	< 10	72
L101E 90+0.0N	201 238	< 1	0.01	22	310	< 2	< 5	2	14	0.10	< 10	< 10	41	< 10	52
L101E 90+2.5N	201 238	1	0.01	13	370	2	< 5	3	15	0.11	< 10	< 10	50	< 10	42
L101E 90+5.0N	201 238	< 1	0.01	12	350	2	< 5	2	11	0.09	< 10	< 10	31	< 10	40
L101E 90+7.5N	201 238	1	0.01	14	430	4	< 5	2	11	0.10	< 10	< 10	38	< 10	50
L101E 91+0.0N	201 238	2	0.01	16	820	4	< 5	2	10	0.09	< 10	< 10	33	< 10	64
L101E 91+2.5N	201 238	1	0.01	16	510	2	< 5	3	14	0.11	< 10	< 10	46	< 10	58
L101E 91+5.0N	201 238	< 1	0.01	19	260	< 2	5	3	19	0.12	< 10	< 10	35	< 10	46
L104E 100+2.5N	201 238	1	0.01	18	440	2	< 5	3	13	0.14	< 10	< 10	48	< 10	74
L104E 100+5.0N	201 238	1	0.01	4	240	6	< 5	1	10	0.13	< 10	< 10	42	< 10	48
L104E 100+7.5N	201 238	< 1	0.01	10	220	4	< 5	2	12	0.09	< 10	< 10	28	< 10	84
L104E 101+0.0N	201 238	< 1	0.01	16	520	4	< 5	2	9	0.11	< 10	< 10	41	< 10	62
L104E 101+5.0N	201 238	< 1	0.01	13	220	< 2	5	2	7	0.10	< 10	< 10	42	< 10	32
L104E 101+7.5N	201 238	1	0.01	8	410	< 2	< 5	1	7	0.08	< 10	< 10	41	< 10	40
L104E 102+0.0N	201 238	1	0.01	7	400	< 2	< 5	2	6	0.08	< 10	< 10	35	< 10	42
L104E 102+2.5N	201 238	1	0.01	8	1030	16	< 5	< 1	10	0.05	< 10	< 10	66	< 10	66
L104E 102+5.0N	201 238	< 1	0.01	6	260	< 2	< 5	1	7	0.10	< 10	< 10	48	< 10	50
L104E 102+7.5N	201 238	2	0.01	5	380	12	< 5	2	9	0.13	< 10	< 10	124	< 10	56
L104E 103+0.0N	201 238	2	0.01	6	320	12	< 5	3	10	0.12	< 10	< 10	74	< 10	50
L104E 103+2.5N	201 238	2	0.01	14	370	8	< 5	4	8	0.10	< 10	< 10	50	< 10	50
L104E 103+5.0N	201 238	2	0.01	6	500	10	< 5	7	7	0.08	< 10	< 10	53	< 10	34

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 118-F2
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 4-A
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L105E 100+2.5N	201 238	< 5	2.00	< 0.2	< 5	40	< 0.5	2	0.20	< 0.5	11	30	18	2.99	10	< 1	0.06	20	0.28	190
L105E 100+5.0N	201 238	< 5	1.96	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	4	23	9	2.20	10	< 1	0.03	20	0.14	60
L105E 100+7.5N	201 238	< 5	2.08	< 0.2	5	40	< 0.5	2	0.17	< 0.5	24	54	38	2.92	10	< 1	0.06	10	0.76	685
L105E 101+0.0N	201 238	< 5	2.05	< 0.2	5	40	< 0.5	< 2	0.10	< 0.5	6	22	19	2.21	< 10	< 1	0.05	10	0.20	300
L105E 101+2.5N	201 238	< 5	2.77	< 0.2	10	20	< 0.5	2	0.06	< 0.5	6	29	9	2.77	< 10	< 1	0.03	10	0.14	130
L105E 101+5.0N	201 238	10	1.79	< 0.2	< 5	30	< 0.5	< 2	0.09	0.5	4	21	19	2.18	< 10	< 1	0.04	10	0.18	185
L105E 101+7.5N	201 238	< 5	1.11	< 0.2	< 5	20	< 0.5	2	0.08	< 0.5	5	16	11	1.57	10	< 1	0.04	10	0.24	95
L105E 102+0.0N	201 238	< 5	1.68	< 0.2	< 5	20	< 0.5	2	0.07	< 0.5	5	20	13	2.72	10	< 1	0.03	10	0.11	90
L105E 102+2.5N	201 238	< 5	0.71	< 0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	4	11	7	0.86	10	< 1	0.03	10	0.22	75
L105E 102+5.0N	201 238	< 5	3.48	< 0.2	< 5	20	< 0.5	4	0.09	0.5	8	29	23	3.51	10	< 1	0.04	20	0.16	185
L105E 102+7.5N	201 238	< 5	1.68	< 0.2	< 5	20	< 0.5	2	0.10	< 0.5	4	20	11	1.94	10	< 1	0.03	10	0.15	80
L105E 103+0.0N	201 238	< 5	1.69	< 0.2	< 5	30	< 0.5	2	0.11	< 0.5	7	25	15	2.46	10	< 1	0.06	20	0.25	120
L105E 103+2.5N	201 238	< 5	2.79	< 0.2	< 5	30	< 0.5	< 2	0.14	0.5	6	32	9	2.04	10	2	0.03	20	0.21	60
L105E 100+2.5N	201 238	< 5	2.23	< 0.2	< 5	40	< 0.5	< 2	0.11	< 0.5	5	36	10	3.13	10	< 1	0.04	10	0.28	125
L106E 100+5.0N	201 238	5	2.56	0.2	< 5	30	< 0.5	< 2	0.11	< 0.5	5	35	19	3.04	10	< 1	0.04	10	0.28	170
L106E 100+7.5N	201 238	< 5	3.33	< 0.2	< 5	30	< 0.5	< 2	0.13	< 0.5	8	39	18	2.40	< 10	1	0.02	10	0.30	160
L106E 101+0.0N	201 238	< 5	2.99	< 0.2	< 5	30	0.5	< 2	0.11	0.5	6	41	11	3.73	10	< 1	0.03	10	0.26	120
L106E 101+2.5N	201 238	< 5	2.78	0.2	< 5	30	< 0.5	< 2	0.12	< 0.5	6	30	8	3.17	10	< 1	0.04	10	0.17	90
L106E 101+5.0N	201 238	< 5	2.64	< 0.2	< 5	20	< 0.5	2	0.10	< 0.5	6	32	8	2.63	10	< 1	0.02	10	0.21	75
L106E 101+7.5N	201 238	10	2.67	< 0.2	< 5	50	< 0.5	2	0.16	< 0.5	6	35	22	2.29	< 10	< 1	0.02	10	0.30	130
L106E 102+0.0N	201 238	< 5	2.64	< 0.2	10	20	< 0.5	< 2	0.10	< 0.5	6	38	24	2.49	10	< 1	0.03	10	0.37	100
L106E 102+5.0N	201 238	10	1.78	< 0.2	15	50	< 0.5	4	0.10	< 0.5	7	42	14	3.90	20	< 1	0.07	< 10	0.34	130
L106E 102+7.5N	201 238	< 5	3.11	0.2	< 5	30	0.5	2	0.16	< 0.5	9	38	20	2.22	10	< 1	0.04	10	0.31	130
L106E 103+0.0N	201 238	< 5	1.70	< 0.2	< 5	40	< 0.5	< 2	0.10	< 0.5	6	21	16	2.36	10	3	0.03	< 10	0.31	195
L106E 103+2.5N	201 238	< 5	2.37	< 0.2	< 5	20	< 0.5	2	0.08	< 0.5	6	33	13	6.46	30	< 1	0.03	10	0.17	60
L107E 100+0.0N	201 238	< 5	2.51	< 0.2	5	30	0.5	2	0.09	< 0.5	6	29	14	2.32	10	< 1	0.02	10	0.21	75
L107E 100+2.5N	201 238	< 5	1.78	< 0.2	< 5	60	0.5	< 2	0.11	< 0.5	6	27	6	3.55	20	< 1	0.05	10	0.24	145
L107E 100+5.0N	201 238	< 5	1.78	< 0.2	< 5	40	< 0.5	< 2	0.08	0.5	8	24	8	2.67	10	< 1	0.03	10	0.15	150
L107E 100+7.5N	201 238	< 5	1.13	< 0.2	< 5	20	< 0.5	< 2	0.14	< 0.5	6	23	12	1.61	10	< 1	0.03	10	0.28	95
L107E 101+7.5N	201 238	< 5	5.82	0.2	< 5	40	1.5	< 2	0.20	1.0	13	41	92	1.76	< 10	< 1	0.05	30	0.23	495
L107E 102+0.0N	201 238	< 5	2.46	< 0.2	< 5	30	0.5	< 2	0.12	< 0.5	5	28	11	2.96	20	< 1	0.03	10	0.11	65
L107E 102+2.5N	201 238	10	3.58	< 0.2	< 5	80	1.0	2	0.54	0.5	17	38	71	3.69	< 10	< 1	0.06	20	0.38	1340
L107E 102+5.0N	201 238	< 5	2.56	< 0.2	< 5	30	0.5	< 2	0.07	< 0.5	4	27	19	3.61	10	2	0.04	10	0.15	100
L107E 102+7.5N	201 238	< 5	3.47	< 0.2	< 5	30	0.5	< 2	0.09	< 0.5	8	35	25	3.27	10	< 1	0.04	10	0.15	185
L107E 103+0.0N	201 238	10	2.25	< 0.2	5	40	< 0.5	< 2	0.09	< 0.5	5	30	41	3.45	10	< 1	0.06	10	0.22	110
L107E 102+2.5N	201 238	< 5	1.28	< 0.2	5	30	< 0.5	< 2	0.07	< 0.5	5	24	9	2.68	20	1	0.08	< 10	0.18	75
L108E 92+0.0N	201 238	< 5	1.27	< 0.2	< 5	40	< 0.5	< 2	0.14	< 0.5	6	27	6	2.04	10	< 1	0.05	10	0.20	90
L108E 92+2.5N	201 238	< 5	3.03	< 0.2	< 5	80	0.5	< 2	0.18	< 0.5	13	42	32	4.44	10	< 1	0.07	10	0.50	185
L108E 92+5.0N	201 238	< 5	1.48	< 0.2	5	40	< 0.5	< 2	0.12	< 0.5	6	19	16	1.95	10	2	0.05	10	0.28	160
L108E 92+7.5N	201 238	< 5	1.31	< 0.2	< 5	40	< 0.5	< 2	0.12	< 0.5	6	24	6	1.90	10	1	0.03	10	0.28	95

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 118-F2

Comments: ATN: J. LONDREY CC: O. PIERCE

Page No. : 4-B
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L105E 100+2.5N	201 238	1	0.01	15	400	2	< 5	3	14	0.13	< 10	< 10	55	< 10	124
L105E 100+5.0N	201 238	1	0.01	9	230	4	< 5	3	9	0.10	< 10	< 10	42	< 10	66
L105E 100+7.5N	201 238	1	0.02	49	350	4	< 5	3	8	0.12	< 10	< 10	50	< 10	138
L105E 101+0.0N	201 238	2	0.01	8	440	< 2	< 5	2	8	0.07	< 10	< 10	34	< 10	136
L105E 101+2.5N	201 238	< 1	0.01	7	500	4	< 5	2	5	0.07	< 10	< 10	41	< 10	64
L105E 101+5.0N	201 238	1	0.01	7	350	6	< 5	2	8	0.08	< 10	< 10	35	< 10	120
L105E 101+7.5N	201 238	1	0.01	7	250	8	< 5	2	7	0.09	< 10	< 10	34	< 10	64
L105E 102+0.0N	201 238	1	0.01	6	320	8	< 5	2	7	0.10	< 10	< 10	46	< 10	66
L105E 102+2.5N	201 238	1	0.01	7	130	10	< 5	2	7	0.13	< 10	< 10	45	< 10	50
L105E 102+5.0N	201 238	1	0.01	7	450	< 2	< 5	4	7	0.10	< 10	< 10	44	< 10	92
L105E 102+7.5N	201 238	1	0.01	6	210	6	< 5	3	8	0.10	< 10	< 10	34	< 10	48
L105E 103+0.0N	201 238	1	0.01	11	250	20	< 5	3	9	0.11	< 10	< 10	40	< 10	74
L105E 103+2.5N	201 238	1	0.01	13	320	8	< 5	4	10	0.12	< 10	< 10	35	< 10	64
L106E 100+2.5N	201 238	1	0.01	14	240	2	< 5	3	9	0.12	< 10	< 10	53	< 10	90
L106E 100+5.0N	201 238	2	0.01	13	500	6	< 5	2	8	0.09	< 10	< 10	42	< 10	88
L106E 100+7.5N	201 238	< 1	0.01	17	480	2	< 5	3	7	0.08	< 10	< 10	32	< 10	82
L106E 101+0.0N	201 238	1	0.01	13	520	4	< 5	3	9	0.12	< 10	< 10	60	< 10	122
L106E 101+2.5N	201 238	4	0.01	8	310	8	< 5	2	10	0.14	< 10	< 10	59	< 10	86
L106E 101+5.0N	201 238	2	0.01	10	270	6	< 5	2	7	0.11	< 10	< 10	49	< 10	68
L106E 101+7.5N	201 238	1	0.01	14	560	< 2	< 5	2	9	0.08	< 10	< 10	33	< 10	94
L106E 102+0.0N	201 238	2	0.01	16	280	2	< 5	3	8	0.11	< 10	< 10	51	< 10	52
L106E 102+5.0N	201 238	2	0.01	14	250	10	< 5	2	9	0.16	< 10	< 10	87	< 10	74
L106E 102+7.5N	201 238	1	0.01	18	370	2	< 5	3	9	0.12	< 10	< 10	39	< 10	96
L106E 103+0.0N	201 238	1	0.01	13	320	4	< 5	2	5	0.10	< 10	< 10	56	< 10	62
L106E 103+2.5N	201 238	4	0.01	6	320	4	< 5	3	7	0.16	< 10	< 10	107	< 10	50
L107E 100+0.0N	201 238	1	0.01	11	480	6	< 5	2	7	0.10	< 10	< 10	43	< 10	48
L107E 100+2.5N	201 238	2	0.01	10	340	14	< 5	2	10	0.14	< 10	< 10	71	< 10	74
L107E 100+5.0N	201 238	1	0.01	8	280	6	< 5	2	9	0.10	< 10	< 10	54	< 10	54
L107E 100+7.5N	201 238	< 1	0.01	12	200	< 2	< 5	2	9	0.10	< 10	< 10	30	< 10	40
L107E 101+7.5N	201 238	1	0.01	28	1250	8	< 5	2	13	0.04	< 10	< 10	24	< 10	122
L107E 102+0.0N	201 238	1	0.01	8	510	14	< 5	2	13	0.12	< 10	< 10	40	< 10	64
L107E 102+2.5N	201 238	3	0.01	24	1400	2	< 5	3	23	0.06	< 10	< 10	72	< 10	238
L107E 102+5.0N	201 238	3	0.01	6	380	10	< 5	2	7	0.10	< 10	< 10	54	< 10	66
L107E 102+7.5N	201 238	1	0.01	9	670	12	< 5	2	7	0.09	< 10	< 10	41	< 10	72
L107E 103+0.0N	201 238	2	0.01	11	490	8	< 5	2	7	0.09	< 10	< 10	45	< 10	68
L107E 103+2.5N	201 238	1	< 0.01	6	220	6	< 5	1	8	0.15	< 10	< 10	55	< 10	48
L108E 91+0.0N	201 238	< 1	< 0.01	11	280	12	< 5	1	9	0.08	< 10	< 10	31	< 10	40
L108E 91+7.5N	201 238	< 1	0.01	24	660	4	< 5	3	13	0.12	< 10	< 10	72	< 10	76
L108E 92+0.0N	201 238	< 1	0.01	10	320	8	< 5	2	13	0.08	< 10	< 10	43	< 10	78
L108E 92+2.5N	201 238	< 1	0.01	12	210	8	< 5	1	9	0.10	< 10	< 10	48	< 10	44

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 118-F2

Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 5-A
Tot. Pages: 5
Date : 23-JUL-89
Invoice #: I-8920392
P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L108E 92+50N	201 238	< 5	3.12	< 0.2	< 5	40	< 0.5	< 2	0.12	< 0.5	6	35	9	2.71	< 10	< 1	0.04	10	0.30	110
L108E 92+75N	201 238	< 5	1.14	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	4	20	9	1.69	< 10	< 1	0.02	< 10	0.21	495
L108E 93+00N	201 238	< 5	2.90	< 0.2	< 5	30	0.5	< 2	0.14	< 0.5	8	34	17	2.83	10	< 1	0.04	10	0.25	210
L108E 93+25N	201 238	< 5	1.15	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	4	21	7	2.56	10	< 1	0.03	10	0.15	100

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 116-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 5-B
 Tot. Pages: 5
 Date : 23-JUL-89
 Invoice #: I-8920392
 P.O. # :

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Mb ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L108E 92+50N	201 238	< 1	0.01	13	520	6	< 5	2	8	0.08	< 10	< 10	37	< 10	60
L108E 92+75N	201 238	1	0.01	9	440	12	< 5	1	7	0.07	< 10	< 10	40	< 10	60
L108E 93+00N	201 238	1	0.01	12	610	8	< 5	2	9	0.08	< 10	< 10	42	< 10	48
L108E 93+25N	201 238	1	< 0.01	8	240	4	< 5	1	9	0.10	< 10	< 10	58	< 10	36

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2

Comments: ATN: J. LONDROY CC: G. PIERCE

Page No. : 1-A
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice #: I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L108E 93+50N	201 238	< 5	1.51	< 0.2	< 5	30	< 0.5	< 2	0.11	< 0.5	6	30	7	4.33	20	< 1	0.03	< 10	0.33	125
L108E 93+75N	201 238	15	2.28	< 0.2	< 5	20	< 0.5	< 2	0.12	< 0.5	5	25	14	2.68	10	< 1	0.04	10	0.26	130
L108E 94+00N	201 238	5	0.71	< 0.2	5	10	< 0.5	< 2	0.08	< 0.5	4	15	5	1.06	< 10	< 1	0.02	10	0.15	95
L108E 94+25N	201 238	< 5	1.34	< 0.2	< 5	10	< 0.5	< 2	0.14	< 0.5	5	20	3	1.15	< 10	3	0.02	10	0.14	105
L108E 94+50N	201 238	< 5	2.44	< 0.2	5	20	0.5	< 2	0.12	< 0.5	4	23	4	1.38	< 10	< 1	0.02	10	0.13	70
L108E 94+75N	201 238	< 5	1.59	< 0.2	< 5	40	< 0.5	< 2	0.14	< 0.5	4	21	2	1.46	< 10	< 1	0.04	10	0.17	115
L108E 95+00N	201 238	< 5	2.13	< 0.2	< 5	20	< 0.5	< 2	0.11	< 0.5	4	21	2	1.68	< 10	1	0.03	10	0.13	115
L108E 95+25N	201 238	< 5	1.53	< 0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	4	23	2	2.30	10	< 1	0.03	10	0.12	175
L108E 95+50N	201 238	< 5	2.28	< 0.2	5	30	< 0.5	< 2	0.12	< 0.5	6	30	4	2.33	< 10	< 1	0.02	10	0.17	280
L108E 95+75N	201 238	< 5	2.54	< 0.2	5	30	< 0.5	< 2	0.10	< 0.5	6	31	5	2.21	< 10	< 1	0.03	10	0.12	205
L108E 96+00N	201 238	< 5	3.25	< 0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	6	30	5	2.70	< 10	< 1	0.03	10	0.17	175
L108E 96+25N	201 238	< 5	2.27	< 0.2	< 5	20	< 0.5	< 2	0.07	< 0.5	5	21	2	2.13	< 10	< 1	0.02	10	0.11	300
L108E 96+50N	201 238	< 5	2.35	< 0.2	< 5	20	0.5	< 2	0.13	< 0.5	9	36	10	2.78	10	< 1	0.04	10	0.28	335
L108E 96+75N	201 238	< 5	2.97	0.2	< 5	40	< 0.5	< 2	0.13	< 0.5	10	47	14	3.95	10	< 1	0.06	10	0.38	590
L108E 97+00N	201 238	< 5	3.78	< 0.2	< 5	40	0.5	< 2	0.17	< 0.5	13	56	23	4.05	10	< 1	0.06	20	0.55	515
L108E 97+25N	201 238	< 5	3.26	< 0.2	< 5	40	1.0	< 2	0.18	< 0.5	15	59	27	3.54	10	< 1	0.05	30	0.54	980
L108E 97+50N	201 238	5	3.66	< 0.2	< 5	80	< 0.5	2	0.17	< 0.5	13	51	15	4.42	10	< 1	0.08	10	0.48	445
L108E 97+75N	201 238	< 5	3.35	< 0.2	< 5	50	< 0.5	< 2	0.18	< 0.5	18	59	19	4.93	20	< 1	0.07	10	0.48	1075
L108E 98+00N	201 238	10	2.22	< 0.2	< 5	70	< 0.5	< 2	0.18	< 0.5	11	52	11	5.27	20	< 1	0.06	10	0.39	710
L108E 98+25N	201 238	< 5	1.97	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	6	32	4	2.62	10	< 1	0.03	10	0.16	270
L108E 98+50N	201 238	< 5	1.47	< 0.2	< 5	30	< 0.5	< 2	0.13	< 0.5	7	36	5	3.26	10	< 1	0.03	10	0.18	275
L108E 98+75N	201 238	< 5	1.83	0.2	< 5	50	< 0.5	< 2	0.16	< 0.5	7	24	31	2.54	10	< 1	0.07	10	0.31	130
L108E 99+00N	201 238	< 5	1.92	< 0.2	< 5	20	< 0.5	< 2	0.09	< 0.5	4	28	9	2.43	< 10	1	0.02	10	0.18	70
L108E 99+25N	201 238	< 5	2.62	0.6	< 5	40	< 0.5	< 2	0.13	< 0.5	9	31	23	3.24	10	< 1	0.04	10	0.30	175
L108E 99+50N	201 238	< 5	2.88	< 0.2	< 5	20	0.5	< 2	0.13	< 0.5	7	33	42	2.36	< 10	< 1	0.03	10	0.29	95
L108E 99+75N	201 238	< 5	1.31	< 0.2	5	20	< 0.5	< 2	0.08	< 0.5	5	15	13	1.91	< 10	< 1	0.03	10	0.14	70
L108E 100+00N	201 238	< 5	3.25	< 0.2	< 5	20	< 0.5	< 2	0.12	< 0.5	5	41	16	2.49	< 10	< 1	0.02	10	0.20	65
L108E 100+50N	201 238	< 5	0.98	< 0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	4	20	12	2.24	10	< 1	0.03	10	0.13	100
L108E 100+75N	201 238	< 5	0.58	< 0.2	< 5	10	< 0.5	< 2	0.07	< 0.5	4	23	7	1.73	10	< 1	0.03	10	0.12	185
L108E 101+00N	201 238	10	0.82	< 0.2	< 5	10	< 0.5	< 2	0.09	< 0.5	4	32	5	2.81	10	< 1	0.03	10	0.15	120
L108E 101+25N	201 238	< 5	0.79	< 0.2	< 5	20	< 0.5	< 2	0.06	< 0.5	6	23	6	2.08	10	< 1	0.04	< 10	0.16	510
L108E 101+50N	201 238	< 5	1.58	< 0.2	< 5	30	< 0.5	< 2	0.14	< 0.5	6	28	4	2.30	10	< 1	0.03	10	0.18	185
L108E 101+75N	201 238	< 5	1.82	< 0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	5	27	4	2.12	< 10	1	0.03	10	0.16	145
L108E 102+00N	201 238	5	2.07	< 0.2	< 5	20	< 0.5	< 2	0.09	0.5	3	33	21	4.82	20	< 1	0.02	10	0.13	105
L108E 102+25N	201 238	< 5	2.72	0.2	< 5	20	< 0.5	< 2	0.15	< 0.5	6	24	5	1.76	< 10	< 1	0.02	10	0.15	55
L108E 101+50N	201 238	< 5	2.65	< 0.2	< 5	30	< 0.5	< 2	0.15	< 0.5	6	31	5	2.04	< 10	< 1	0.04	10	0.20	80
L108E 101+25N	201 238	< 5	1.87	< 0.2	< 5	20	< 0.5	< 2	0.11	< 0.5	4	24	3	1.60	< 10	< 1	0.03	10	0.14	110
L109E 100+50N	201 238	< 5	1.75	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	3	17	2	1.34	< 10	< 1	0.03	10	0.11	85
L109E 100+75N	201 238	< 5	2.70	< 0.2	< 5	40	< 0.5	< 2	0.13	< 0.5	6	28	5	2.13	< 10	< 1	0.04	10	0.19	235
L109E 101+00N	201 238	< 5	2.16	< 0.2	< 5	30	< 0.5	< 2	0.14	< 0.5	6	27	4	1.70	< 10	< 1	0.04	10	0.22	130

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1-B
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice #: I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L108E 93+50N	201 238	2	< 0.01	11	540	6	< 5	1	8	0.16	< 10	< 10	59	< 10	52
L108E 93+75N	201 238	1	< 0.01	8	590	6	< 5	1	8	0.08	< 10	< 10	40	< 10	50
L108E 94+00N	201 238	< 1	< 0.01	5	180	4	< 5	1	5	0.05	< 10	< 10	16	< 10	28
L108E 94+25N	201 238	< 1	< 0.01	7	520	10	< 5	1	6	0.04	< 10	< 10	16	< 10	24
L108E 94+50N	201 238	1	0.01	6	550	10	< 5	1	6	0.05	< 10	< 10	19	< 10	26
L108E 94+75N	201 238	< 1	0.01	7	370	6	< 5	1	11	0.06	< 10	< 10	22	< 10	36
L108E 95+00N	201 238	1	< 0.01	5	430	6	< 5	1	8	0.07	< 10	< 10	29	< 10	36
L108E 95+25N	201 238	< 1	< 0.01	4	360	10	< 5	1	7	0.07	< 10	< 10	34	< 10	28
L108E 95+50N	201 238	1	0.01	7	630	2	< 5	1	8	0.06	< 10	< 10	35	< 10	50
L108E 95+75N	201 238	1	0.01	4	440	8	< 5	1	7	0.05	< 10	< 10	28	< 10	34
L108E 96+00N	201 238	1	< 0.01	7	530	16	< 5	2	6	0.07	< 10	< 10	40	< 10	38
L108E 96+25N	201 238	< 1	< 0.01	4	520	10	< 5	1	5	0.06	< 10	< 10	31	< 10	24
L108E 96+50N	201 238	1	0.01	12	640	12	< 5	2	7	0.09	< 10	< 10	42	< 10	46
L108E 96+75N	201 238	1	0.01	13	710	10	< 5	3	9	0.12	< 10	< 10	59	< 10	70
L108E 97+00N	201 238	1	0.01	22	830	12	< 5	3	9	0.12	< 10	< 10	66	< 10	94
L108E 97+25N	201 238	< 1	0.01	21	840	8	< 5	3	8	0.12	< 10	< 10	59	< 10	84
L108E 97+50N	201 238	1	0.01	19	670	16	< 5	4	14	0.14	< 10	< 10	65	< 10	112
L108E 97+75N	201 238	1	0.01	21	990	14	< 5	3	11	0.14	< 10	< 10	80	< 10	92
L108E 98+00N	201 238	2	0.01	15	810	14	< 5	2	20	0.18	< 10	< 10	111	< 10	86
L108E 98+25N	201 238	1	< 0.01	7	440	4	< 5	1	7	0.07	< 10	< 10	43	< 10	48
L108E 98+50N	201 238	< 1	< 0.01	7	520	8	< 5	1	8	0.09	< 10	< 10	57	< 10	54
L108E 98+75N	201 238	1	0.01	15	360	< 2	< 5	2	13	0.10	< 10	< 10	37	< 10	128
L108E 99+00N	201 238	1	0.01	8	250	2	< 5	2	7	0.09	< 10	< 10	40	< 10	44
L108E 99+25N	201 238	2	0.01	18	410	10	< 5	2	9	0.10	< 10	< 10	43	< 10	88
L108E 99+50N	201 238	1	0.01	15	490	2	< 5	2	8	0.09	< 10	< 10	37	< 10	42
L108E 99+75N	201 238	< 1	0.01	6	140	8	< 5	2	9	0.09	< 10	< 10	37	< 10	30
L108E 100+00N	201 238	1	0.01	14	540	6	< 5	3	8	0.09	< 10	< 10	41	< 10	34
L108E 100+50N	201 238	1	< 0.01	6	630	4	< 5	1	7	0.08	< 10	< 10	32	< 10	30
L108E 100+75N	201 238	1	< 0.01	5	260	6	< 5	1	7	0.08	< 10	< 10	34	< 10	32
L108E 101+00N	201 238	< 1	< 0.01	10	1220	12	< 5	1	6	0.08	< 10	< 10	47	< 10	28
L108E 101+25N	201 238	1	< 0.01	6	320	4	< 5	1	5	0.07	< 10	< 10	34	< 10	44
L108E 101+50N	201 238	< 1	< 0.01	8	490	6	< 5	1	8	0.07	< 10	< 10	35	< 10	54
L108E 101+75N	201 238	< 1	< 0.01	9	340	12	< 5	1	6	0.08	< 10	< 10	34	< 10	38
L108E 102+00N	201 238	2	0.01	6	500	10	< 5	2	7	0.11	< 10	< 10	68	< 10	58
L108E 102+25N	201 238	< 1	0.01	11	410	4	< 5	2	7	0.07	< 10	< 10	24	< 10	32
L108E 102+50N	201 238	1	0.01	12	370	2	< 5	2	8	0.08	< 10	< 10	31	< 10	28
L108E 102+75N	201 238	< 1	< 0.01	8	460	4	< 5	1	6	0.06	< 10	< 10	26	< 10	26
L109E 100+50N	201 238	< 1	0.01	5	330	4	< 5	1	8	0.06	< 10	< 10	20	< 10	30
L109E 100+75N	201 238	< 1	0.01	10	590	2	< 5	2	8	0.07	< 10	< 10	31	< 10	48
L109E 101+00N	201 238	< 1	0.01	10	450	4	< 5	2	8	0.07	< 10	< 10	24	< 10	30

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F3

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2-A
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice #: I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L109E 101+2.5N	201 238	< 5	2.59	< 0.2	< 5	30	< 0.5	< 2	0.09	< 0.5	4	21	2	1.48	< 10	3	0.03	10	0.11	70
L109E 101+5.0N	201 238	< 5	1.96	< 0.2	< 5	20	< 0.5	< 2	0.13	< 0.5	5	38	4	2.98	< 10	< 1	0.04	10	0.23	175
L109E 101+7.5N	201 238	< 5	2.25	< 0.2	< 5	30	< 0.5	< 2	0.14	< 0.5	7	29	5	1.83	< 10	< 1	0.05	10	0.25	170
L109E 102+0.0N	201 238	< 5	2.85	< 0.2	< 5	40	< 0.5	< 2	0.08	< 0.5	7	39	7	3.19	10	< 1	0.07	10	0.28	180
L109E 102+2.5N	201 238	< 5	1.63	< 0.2	< 5	30	< 0.5	< 2	0.07	< 0.5	4	25	3	2.12	10	< 1	0.04	10	0.14	70
L109E 102+5.0N	201 238	45	0.58	< 0.2	< 5	10	< 0.5	< 2	0.19	< 0.5	4	18	7	1.13	< 10	< 1	0.01	10	0.14	100
L110E 91+5.0N	201 238	< 5	1.48	< 0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	4	30	6	2.57	10	< 1	0.04	10	0.17	55
L110E 91+7.5N	201 238	< 5	2.18	< 0.2	< 5	10	< 0.5	< 2	0.06	< 0.5	3	47	3	2.83	10	< 1	0.02	10	0.10	50
L110E 92+0.0N	201 238	< 5	2.48	< 0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	4	23	2	1.41	< 10	< 1	0.03	10	0.11	40
L110E 92+2.5N	201 238	< 5	2.75	< 0.2	< 5	20	< 0.5	< 2	0.07	< 0.5	4	26	2	2.27	10	< 1	0.02	10	0.08	50
L110E 92+5.0N	201 238	< 5	0.65	< 0.2	< 5	10	< 0.5	< 2	0.06	< 0.5	3	13	2	0.80	< 10	< 1	0.02	< 10	0.12	40
L110E 92+7.5N	201 238	< 5	0.66	< 0.2	< 5	10	< 0.5	< 2	0.03	< 0.5	2	8	1	1.17	< 10	< 1	0.01	< 10	0.03	20
L110E 93+0.0N	201 238	10	1.14	< 0.2	< 5	10	< 0.5	< 2	0.05	< 0.5	3	25	1	2.07	10	< 1	0.01	10	0.08	35
L110E 93+7.5N	201 238	< 5	3.79	0.2	< 5	20	< 0.5	< 2	0.09	0.5	3	34	4	2.05	10	< 1	0.02	20	0.09	30
L110E 94+0.0N	201 238	< 5	2.50	< 0.2	< 5	20	< 0.5	< 2	0.06	< 0.5	3	21	2	1.92	10	< 1	0.01	10	0.07	30
L110E 94+2.5N	201 238	< 5	1.88	< 0.2	< 5	20	< 0.5	< 2	0.04	< 0.5	3	12	1	1.22	10	< 1	0.02	< 10	0.05	20
L110E 94+5.0N	201 238	< 5	1.96	< 0.2	< 5	10	< 0.5	< 2	0.06	< 0.5	3	18	1	1.43	10	< 1	0.02	< 10	0.08	25
L110E 94+7.5N	201 238	< 5	1.76	< 0.2	< 5	10	< 0.5	< 2	0.15	< 0.5	4	15	2	0.67	< 10	< 1	0.01	10	0.11	40
L110E 95+0.0N	201 238	< 5	0.57	< 0.2	< 5	10	< 0.5	< 2	0.06	< 0.5	2	10	1	0.67	< 10	< 1	0.01	< 10	0.11	35
L110E 95+2.5N	201 238	< 5	1.51	0.2	< 5	20	< 0.5	< 2	0.12	< 0.5	4	18	2	0.80	< 10	< 1	0.02	10	0.16	50
L110E 95+5.0N	201 238	5	1.08	< 0.2	< 5	10	< 0.5	2	0.05	< 0.5	3	14	2	1.25	10	< 1	0.02	< 10	0.07	50
L110E 95+7.5N	201 238	< 5	2.34	0.2	< 5	20	< 0.5	< 2	0.13	< 0.5	3	31	3	1.25	< 10	< 1	0.02	10	0.14	50
L110E 96+0.0N	201 238	< 5	2.05	< 0.2	< 5	30	< 0.5	< 2	0.12	< 0.5	3	34	4	1.65	10	< 1	0.03	10	0.16	50
L110E 96+2.5N	201 238	< 5	1.40	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	5	27	4	2.77	10	< 1	0.05	10	0.18	110
L110E 96+5.0N	201 238	< 5	1.74	0.2	5	40	< 0.5	< 2	0.12	< 0.5	8	42	14	4.35	10	< 1	0.05	10	0.33	230
L110E 96+7.5N	201 238	< 5	2.08	0.2	< 5	10	< 0.5	< 2	0.07	< 0.5	3	21	2	1.65	10	< 1	0.02	10	0.07	100
L110E 97+0.0N	201 238	< 5	1.44	0.2	5	20	< 0.5	< 2	0.05	< 0.5	2	20	4	1.61	< 10	2	0.02	< 10	0.06	50
L110E 97+5.0N	201 238	< 5	1.72	< 0.2	< 5	40	< 0.5	2	0.13	< 0.5	6	21	24	3.36	10	< 1	0.08	10	0.28	290
L110E 97+7.5N	201 238	< 5	1.79	< 0.2	< 5	10	< 0.5	< 2	0.07	< 0.5	3	21	3	1.74	< 10	< 1	0.02	< 10	0.12	80
L110E 98+0.0N	201 238	< 5	1.66	< 0.2	5	10	< 0.5	< 2	0.06	< 0.5	3	21	3	1.61	10	< 1	0.01	< 10	0.09	70
L110E 98+2.5N	201 238	< 5	1.22	< 0.2	5	10	< 0.5	2	0.05	< 0.5	3	20	3	1.42	< 10	< 1	0.01	< 10	0.10	100
L110E 98+5.0N	201 238	< 5	1.42	< 0.2	< 5	10	< 0.5	< 2	0.05	< 0.5	4	28	2	2.23	< 10	< 1	0.01	10	0.09	105
L110E 98+7.5N	201 238	< 5	2.71	< 0.2	5	20	< 0.5	2	0.08	< 0.5	6	26	5	2.18	10	< 1	0.02	10	0.17	305
L110E 99+0.0N	201 238	< 5	3.85	< 0.2	< 5	20	< 0.5	2	0.06	< 0.5	4	50	6	4.49	10	1	0.03	10	0.18	175
L110E 99+2.5N	201 238	< 5	3.49	< 0.2	15	30	< 0.5	< 2	0.06	< 0.5	4	46	6	3.74	10	< 1	0.03	< 10	0.18	150
L110E 100+0.0N	201 238	< 5	3.97	< 0.2	< 5	20	< 0.5	2	0.08	< 0.5	5	52	6	3.07	< 10	3	0.02	10	0.22	135
L110E 100+5.0N	201 238	< 5	1.91	0.2	< 5	30	< 0.5	< 2	0.07	< 0.5	4	36	8	3.32	20	< 1	0.04	10	0.22	100
L110E 100+7.5N	201 238	< 5	1.64	< 0.2	< 5	20	< 0.5	< 2	0.09	< 0.5	4	34	5	2.98	20	< 1	0.04	10	0.20	120
L110E 100+2.5N	201 238	< 5	1.96	< 0.2	< 5	20	< 0.5	< 2	0.09	< 0.5	5	45	4	3.13	10	< 1	0.05	10	0.23	95
L110E 100+5.0N	201 238	< 5	2.30	< 0.2	< 5	30	< 0.5	< 2	0.09	< 0.5	6	45	7	3.62	10	1	0.04	10	0.29	180

CERTIFICATION :

B. Cash



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2-B
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice #: I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L109E 101+2.5N	201 238	< 1	0.01	6	300	4	< 5	1	7	0.06	< 10	< 10	20	< 10	34
L109E 101+5.0N	201 238	1	0.01	9	400	8	< 5	2	9	0.09	< 10	< 10	43	< 10	36
L109E 101+7.5N	201 238	< 1	0.01	10	510	2	< 5	2	7	0.06	< 10	< 10	24	< 10	30
L109E 102+0.0N	201 238	1	0.01	10	380	14	< 5	3	8	0.11	< 10	< 10	58	< 10	64
L109E 102+2.5N	201 238	1	< 0.01	6	170	10	< 5	1	7	0.07	< 10	< 10	31	< 10	34
L109E 102+5.0N	201 238	< 1	< 0.01	6	400	8	< 5	1	8	0.05	< 10	< 10	21	< 10	24
L110E 91+5.0N	201 238	1	< 0.01	8	230	6	< 5	1	7	0.09	< 10	< 10	40	< 10	28
L110E 91+7.5N	201 238	1	< 0.01	28	290	4	< 5	2	5	0.09	< 10	< 10	40	< 10	30
L110E 92+0.0N	201 238	< 1	< 0.01	4	330	2	< 5	2	6	0.06	< 10	< 10	21	< 10	22
L110E 92+2.5N	201 238	1	< 0.01	4	300	10	< 5	2	7	0.09	< 10	< 10	37	< 10	34
L110E 92+5.0N	201 238	< 1	< 0.01	4	80	< 2	< 5	< 1	5	0.07	< 10	< 10	17	< 10	14
L110E 92+7.5N	201 238	< 1	< 0.01	2	80	4	< 5	< 1	5	0.06	< 10	< 10	20	< 10	20
L110E 93+0.0N	201 238	< 1	< 0.01	6	120	6	< 5	1	5	0.09	< 10	< 10	36	< 10	20
L110E 93+7.5N	201 238	1	< 0.01	6	440	12	< 5	3	5	0.08	< 10	< 10	35	< 10	26
L110E 94+0.0N	201 238	< 1	< 0.01	3	220	8	< 5	1	6	0.07	< 10	< 10	34	< 10	24
L110E 94+2.5N	201 238	< 1	< 0.01	1	140	12	< 5	1	5	0.08	< 10	< 10	31	< 10	20
L110E 94+5.0N	201 238	< 1	< 0.01	4	210	8	< 5	1	6	0.09	< 10	< 10	32	< 10	18
L110E 94+7.5N	201 238	< 1	< 0.01	4	470	2	< 5	1	7	0.05	< 10	< 10	15	< 10	16
L110E 95+0.0N	201 238	< 1	< 0.01	4	110	8	< 5	< 1	4	0.04	< 10	< 10	12	< 10	18
L110E 95+2.5N	201 238	< 1	< 0.01	7	340	6	< 5	1	6	0.05	< 10	< 10	19	< 10	22
L110E 95+5.0N	201 238	< 1	< 0.01	3	230	6	< 5	1	5	0.09	< 10	< 10	26	< 10	20
L110E 95+7.5N	201 238	< 1	0.01	9	530	6	< 5	2	6	0.06	< 10	< 10	19	< 10	22
L110E 96+0.0N	201 238	1	0.01	11	430	8	< 5	1	8	0.08	< 10	< 10	29	< 10	34
L110E 96+2.5N	201 238	1	0.01	7	270	6	< 5	1	8	0.10	< 10	< 10	33	< 10	34
L110E 96+5.0N	201 238	1	0.01	16	570	8	< 5	2	8	0.12	< 10	< 10	67	< 10	64
L110E 96+7.5N	201 238	< 1	< 0.01	3	350	8	< 5	1	6	0.06	< 10	< 10	29	< 10	28
L110E 97+0.0N	201 238	1	< 0.01	3	520	6	< 5	< 1	4	0.03	< 10	< 10	28	< 10	24
L110E 97+5.0N	201 238	1	0.01	7	1710	12	< 5	2	8	0.12	< 10	< 10	76	< 10	76
L110E 97+7.5N	201 238	1	< 0.01	4	630	4	< 5	1	4	0.06	< 10	< 10	31	< 10	22
L110E 98+0.0N	201 238	< 1	< 0.01	4	400	6	< 5	1	4	0.06	< 10	< 10	30	< 10	18
L110E 98+2.5N	201 238	< 1	< 0.01	5	350	8	< 5	< 1	3	0.05	< 10	< 10	25	< 10	22
L110E 98+5.0N	201 238	1	< 0.01	6	280	4	< 5	1	4	0.07	< 10	< 10	48	< 10	24
L110E 98+7.5N	201 238	< 1	< 0.01	8	500	8	< 5	1	5	0.07	< 10	< 10	37	< 10	40
L110E 99+0.0N	201 238	1	0.01	7	720	4	< 5	2	5	0.08	< 10	< 10	55	< 10	54
L110E 99+2.5N	201 238	2	0.01	9	590	10	< 5	2	6	0.10	< 10	< 10	63	< 10	54
L110E 100+5.0N	201 238	2	0.01	13	540	6	< 5	2	6	0.08	< 10	< 10	39	< 10	50
L110E 100+7.5N	201 238	1	0.01	10	380	8	< 5	1	8	0.16	< 10	< 10	84	< 10	56
L110E 100+0.0N	201 238	1	0.01	9	300	8	< 5	1	10	0.16	< 10	< 10	81	< 10	52
L110E 100+2.5N	201 238	2	0.01	14	270	8	< 5	2	10	0.14	< 10	< 10	60	< 10	56
L110E 100+5.0N	201 238	1	< 0.01	14	390	6	< 5	2	8	0.14	< 10	< 10	74	< 10	74

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2

Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 3-A
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice #: I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%
L110E 100+7.5N	201	238	< 5	2.96	< 0.2	10	20	< 0.5	< 2	0.13	< 0.5	7	61	11	3.92	10	3	0.03	20	0.35	180
L110E 101+00N	201	238	< 5	2.60	< 0.2	5	40	< 0.5	< 2	0.12	< 0.5	5	49	6	3.32	10	< 1	0.04	10	0.19	135
L110E 101+2.5N	201	238	< 5	2.42	< 0.2	< 5	30	< 0.5	< 2	0.14	< 0.5	8	37	5	3.31	10	< 1	0.04	10	0.20	340
L110E 101+50N	201	238	< 5	1.93	< 0.2	5	20	< 0.5	< 2	0.10	< 0.5	6	41	5	2.68	< 10	1	0.04	10	0.22	345
L110E 101+7.5N	201	238	< 5	2.15	< 0.2	5	20	< 0.5	< 2	0.08	< 0.5	5	33	5	2.78	< 10	1	0.03	< 10	0.21	140
L110E 102+00N	201	238	< 5	2.66	< 0.2	< 5	20	< 0.5	< 2	0.06	< 0.5	4	36	3	2.36	< 10	< 1	0.03	< 10	0.14	65
L110E 102+2.5N	201	238	< 5	2.87	< 0.2	< 5	20	< 0.5	< 2	0.05	< 0.5	3	27	2	1.99	< 10	< 1	0.03	< 10	0.11	45
L110E 102+50N	201	238	< 5	3.02	< 0.2	5	20	< 0.5	< 2	0.08	< 0.5	4	37	3	2.56	< 10	2	0.03	< 10	0.20	55
L110E 102+7.5N	201	238	< 5	0.70	< 0.2	< 5	10	< 0.5	< 2	0.10	< 0.5	4	31	6	1.68	< 10	< 1	0.02	10	0.19	80

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD, E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 3-B
 Tot. Pages: 3
 Date : 23-JUL-89
 Invoice # : I-8920393
 P.O. # :

CERTIFICATE OF ANALYSIS A8920393

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
L110E 100+75N	201	238	2	0.01	16	470	6	< 5	2	7	0.12	< 10	< 10	55	< 10	60
L110E 101+00N	201	238	2	0.01	17	370	12	< 5	2	10	0.11	< 10	< 10	53	< 10	58
L110E 101+25N	201	238	1	0.01	9	340	12	< 5	2	12	0.11	< 10	< 10	60	< 10	56
L110E 101+50N	201	238	1	0.01	11	380	6	< 5	1	7	0.08	< 10	< 10	35	< 10	70
L110E 101+75N	201	238	1	< 0.01	9	310	6	< 5	1	5	0.08	< 10	< 10	32	< 10	36
L110E 102+00N	201	238	1	< 0.01	10	280	< 2	< 5	1	4	0.03	< 10	< 10	26	< 10	34
L110E 102+25N	201	238	< 1	< 0.01	7	290	12	< 5	1	5	0.06	< 10	< 10	29	< 10	34
L110E 102+50N	201	238	< 1	< 0.01	7	310	4	< 5	2	4	0.06	< 10	< 10	22	< 10	28
L110E 102+75N	201	238	< 1	< 0.01	9	140	< 2	< 5	1	6	0.08	< 10	< 10	38	< 10	24

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118
Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 1-A
Tot. Pages: 1
Date : 13-AUG-89
Invoice #: I-8920907
P.O. # :

CERTIFICATE OF ANALYSIS A8920907

SAMPLE DESCRIPTION	PREP CODE		Au NAA	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
L93E 100+25N	217	238	< 1	0.47	< 0.2	5	120	< 0.5	< 2	0.39	1.0	2	17	19	0.54	< 10	< 1	0.08	< 10	0.13	95
L93E 104+25N	217	238	< 1	2.43	< 0.2	20	110	< 0.5	< 2	0.66	1.5	26	30	39	1.45	< 10	< 1	0.09	40	0.25	5650
L95E 99+00N	217	238	< 1	0.78	< 0.2	15	50	< 0.5	< 2	2.11	1.5	5	61	31	1.00	< 10	< 1	0.04	< 10	0.46	460
L95E 101+75N	217	238	< 1	1.15	< 0.2	5	70	< 0.5	< 2	0.12	0.5	2	14	23	0.84	< 10	< 1	0.04	< 10	0.10	285
L99E 99+00N	217	238	< 1	0.33	< 0.2	10	230	< 0.5	< 2	0.44	1.5	2	10	26	0.75	< 10	< 1	0.09	< 10	0.08	85
L99E 102+50N	217	238	< 1	1.06	< 0.2	5	50	< 0.5	< 2	0.53	< 0.5	6	36	40	1.14	< 10	< 1	0.05	< 10	0.43	115
L101E 96+75N	217	238	< 1	0.51	< 0.2	15	100	< 0.5	< 2	1.92	0.5	3	2	18	0.32	< 10	< 1	0.03	< 10	0.15	70
L101E 97+00N	217	238	< 1	0.47	< 0.2	15	80	< 0.5	< 2	2.32	2.0	20	6	27	0.75	< 10	< 1	0.06	< 10	0.12	1145
L101E 102+75N	217	238	< 1	2.48	< 0.2	30	190	< 0.5	< 2	0.93	1.5	20	99	46	3.88	< 10	< 1	0.15	10	1.25	3770

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

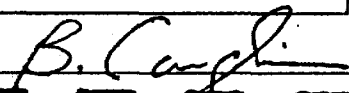
Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 1-B
 Tot. Pages: 1
 Date : 13-AUG-89
 Invoice # : I-8920907
 P.O. # :

CERTIFICATE OF ANALYSIS A8920907

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
L93E 100+25N	217	238	< 1	0.01	9	960	92	< 5	< 1	25	0.01	< 10	< 10	8	< 10	106
L93E 104+25N	217	238	2	0.01	17	1780	54	< 5	2	33	0.02	< 10	< 10	25	< 10	84
L95E 99+00N	217	238	2	0.01	19	660	74	< 5	1	36	0.02	< 10	< 10	20	< 10	76
L95E 101+75N	217	238	< 1	0.01	8	810	10	< 5	< 1	10	0.01	< 10	< 10	15	< 10	58
L99E 99+00N	217	238	1	0.01	10	830	68	< 5	< 1	26	0.02	< 10	< 10	26	< 10	156
L99E 102+50N	217	238	< 1	0.03	22	330	18	< 5	1	23	0.08	< 10	< 10	26	< 10	30
L101E 96+75N	217	238	1	0.01	4	780	10	< 5	1	75	< 0.01	< 10	< 10	9	< 10	46
L101E 97+00N	217	238	1	0.01	6	760	62	< 5	1	53	< 0.01	< 10	< 10	16	< 10	100
L101E 102+75N	217	238	4	0.03	58	2420	142	< 5	4	32	0.11	< 10	< 10	79	< 10	298

CERTIFICATION : 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 1-A
 Tot. Pages: 4
 Date : 1-AUG-89
 Invoice #: I-8920908
 P.O. # :

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L93E 99+75N	201 238	< 5	1.30	< 0.2	5	40	< 0.5	< 2	0.28	< 0.5	6	28	7	1.44	10	< 1	0.04	10	0.33	155
L93E 100+00N	201 238	< 5	2.52	< 0.2	5	60	0.5	< 2	0.19	< 0.5	8	47	11	3.59	10	< 1	0.06	10	0.51	200
L93E 100+50N	201 238	< 5	2.75	< 0.2	15	20	0.5	< 2	0.15	< 0.5	7	32	19	1.86	10	< 1	0.04	10	0.33	110
L93E 100+75N	201 238	< 5	0.96	0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	3	26	7	1.54	10	< 1	0.03	< 10	0.20	65
L93E 101+00N	201 238	< 5	1.50	< 0.2	< 5	20	< 0.5	< 2	0.06	< 0.5	2	19	4	2.12	10	< 1	0.02	< 10	0.13	50
L93E 101+25N	201 238	< 5	1.08	< 0.2	< 5	30	< 0.5	< 2	0.15	< 0.5	2	15	12	2.01	10	< 1	0.04	10	0.20	95
L93E 101+50N	201 238	< 5	1.52	< 0.2	10	60	< 0.5	< 2	0.29	< 0.5	6	27	19	2.43	10	< 1	0.05	10	0.28	105
L93E 101+75N	201 238	< 5	1.88	< 0.2	< 5	20	< 0.5	< 2	0.12	< 0.5	4	24	4	2.26	10	< 1	0.03	10	0.19	75
L93E 102+00N	201 238	< 5	1.58	< 0.2	10	50	< 0.5	2	0.16	< 0.5	4	27	9	2.77	20	< 1	0.06	10	0.28	125
L93E 102+25N	201 238	< 5	1.08	< 0.2	15	20	0.5	2	0.10	< 0.5	4	25	6	2.17	10	< 1	0.03	10	0.22	75
L93E 102+50N	201 238	< 5	1.03	< 0.2	10	30	< 0.5	4	0.18	< 0.5	5	24	12	1.25	< 10	< 1	0.04	10	0.25	195
L93E 102+75N	201 238	< 5	1.37	< 0.2	10	30	0.5	2	0.11	< 0.5	4	24	7	2.73	10	< 1	0.03	10	0.20	75
L93E 103+00N	201 238	< 5	0.96	< 0.2	5	20	< 0.5	4	0.08	< 0.5	3	21	7	1.78	10	< 1	0.03	< 10	0.18	70
L93E 103+25N	201 238	< 5	0.92	< 0.2	10	30	< 0.5	2	0.10	< 0.5	2	24	6	2.76	10	1	0.03	< 10	0.16	80
L93E 103+50N	201 238	< 5	0.94	0.2	< 5	10	< 0.5	4	0.04	< 0.5	2	22	3	1.81	10	1	0.02	< 10	0.10	40
L93E 103+75N	201 238	< 5	1.28	< 0.2	20	50	< 0.5	2	0.20	< 0.5	7	30	11	3.03	10	1	0.02	< 10	0.27	195
L93E 104+00N	201 238	< 5	2.11	< 0.2	20	30	< 0.5	2	0.15	< 0.5	5	35	13	1.82	10	2	0.03	10	0.30	100
L93E 104+50N	201 238	< 5	1.94	< 0.2	20	50	< 0.5	2	0.18	< 0.5	7	27	20	2.37	10	1	0.05	20	0.28	115
L93E 104+75N	201 238	< 5	2.32	< 0.2	10	30	< 0.5	< 2	0.12	< 0.5	3	30	5	2.60	10	< 1	0.03	10	0.22	110
L95E 99+25N	201 238	< 5	1.45	< 0.2	< 5	80	< 0.5	< 2	0.23	< 0.5	4	30	10	1.85	10	< 1	0.05	10	0.31	130
L95E 99+50N	201 238	< 5	1.24	< 0.2	< 5	50	< 0.5	2	0.17	< 0.5	4	21	21	1.83	< 10	< 1	0.05	10	0.32	225
L95E 99+75N	201 238	< 5	1.60	< 0.2	15	30	< 0.5	< 2	0.12	< 0.5	4	16	15	1.89	10	< 1	0.03	10	0.25	80
L95E 100+00N	201 238	< 5	1.81	< 0.2	15	40	< 0.5	< 2	0.11	< 0.5	7	20	12	3.53	10	2	0.06	10	0.23	195
L95E 100+25N	201 238	< 5	2.02	< 0.2	< 5	30	< 0.5	< 2	0.07	< 0.5	3	20	9	2.17	10	< 1	0.02	< 10	0.14	190
L95E 100+50N	201 238	< 5	1.74	< 0.2	< 5	30	< 0.5	< 2	0.09	< 0.5	2	35	16	3.13	10	< 1	0.03	10	0.23	145
L95E 100+75N	201 238	< 5	3.43	< 0.2	15	20	< 0.5	< 2	0.08	< 0.5	3	31	28	2.06	10	1	0.02	10	0.20	60
L95E 101+00N	201 238	< 5	3.19	< 0.2	5	30	< 0.5	< 2	0.09	< 0.5	2	29	8	3.04	10	1	0.04	10	0.16	105
L95E 101+25N	201 238	< 5	2.97	0.2	5	50	< 0.5	2	0.23	< 0.5	5	26	17	2.66	10	< 1	0.04	10	0.24	135
L95E 101+50N	201 238	< 5	1.81	0.4	20	40	< 0.5	< 2	0.13	< 0.5	5	19	25	2.98	10	< 1	0.05	10	0.26	530
L95E 102+00N	201 238	< 5	1.67	0.4	5	30	< 0.5	< 2	0.13	< 0.5	3	22	9	3.28	20	< 1	0.05	10	0.27	135
L95E 102+25N	201 238	< 5	2.54	0.2	5	30	< 0.5	< 2	0.10	< 0.5	1	29	7	3.10	10	< 1	0.03	< 10	0.21	95
L95E 102+50N	201 238	< 5	2.69	0.2	10	30	< 0.5	< 2	0.09	< 0.5	2	25	12	3.18	10	2	0.03	10	0.15	130
L95E 102+75N	201 238	< 5	3.35	< 0.2	10	30	< 0.5	< 2	0.10	< 0.5	3	33	22	2.73	10	< 1	0.03	10	0.22	80
L95E 103+00N	201 238	< 5	2.71	0.2	< 5	30	< 0.5	< 2	0.12	< 0.5	4	27	17	3.07	10	< 1	0.03	10	0.24	105
L95E 103+25N	201 238	< 5	2.11	< 0.2	< 5	30	< 0.5	< 2	0.13	< 0.5	2	23	12	2.51	10	< 1	0.03	10	0.16	120
L95E 103+50N	201 238	< 5	1.90	0.2	< 5	50	< 0.5	2	0.14	< 0.5	19	23	15	2.28	10	< 1	0.08	10	0.51	400
L95E 103+75N	201 238	< 5	1.99	0.2	< 5	30	< 0.5	< 2	0.13	< 0.5	3	26	15	3.17	20	< 1	0.05	10	0.29	125
L95E 104+00N	201 238	< 5	0.91	< 0.2	< 5	20	< 0.5	2	0.10	< 0.5	2	11	4	1.52	20	1	0.04	< 10	0.22	80
L95E 104+25N	201 238	< 5	1.45	0.2	15	20	< 0.5	< 2	0.07	< 0.5	1	18	4	2.31	10	< 1	0.03	< 10	0.13	55
L95E 104+50N	201 238	< 5	2.92	0.6	5	30	< 0.5	< 2	0.09	< 0.5	2	38	8	3.29	10	1	0.03	10	0.15	95

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 1118
 Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. 1-B
 Tot. Pages: 4
 Date: 1-AUG-89
 Invoice #: I-8920908
 P.O. #

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L93E 99+75N	201 238	< 1	0.01	18	100	6	5	3	17	0.11	< 10	< 10	27	< 10	26
L93E 100+00N	201 238	< 1	0.01	30	300	10	10	3	15	0.16	< 10	< 10	56	< 10	42
L93E 100+50N	201 238	< 1	0.01	20	380	4	5	3	8	0.10	< 10	< 10	31	< 10	30
L93E 100+75N	201 238	< 1	< 0.01	12	100	2	< 5	1	7	0.10	< 10	< 10	37	< 10	20
L93E 101+00N	201 238	< 1	< 0.01	7	200	4	< 5	1	6	0.10	< 10	< 10	47	< 10	22
L93E 101+25N	201 238	< 1	0.01	7	200	4	< 5	1	13	0.13	< 10	< 10	53	< 10	40
L93E 101+50N	201 238	< 1	0.01	16	240	6	< 5	2	16	0.12	< 10	< 10	44	< 10	60
L93E 101+75N	201 238	< 1	0.01	10	230	6	< 5	2	10	0.12	< 10	< 10	41	< 10	26
L93E 102+00N	201 238	< 1	0.01	11	330	6	< 5	2	13	0.13	< 10	< 10	54	< 10	52
L93E 102+25N	201 238	< 1	0.01	10	120	4	< 5	1	8	0.13	< 10	< 10	44	< 10	26
L93E 102+50N	201 238	< 1	0.01	15	410	6	< 5	2	8	0.06	< 10	< 10	25	< 10	48
L93E 102+75N	201 238	< 1	< 0.01	11	330	6	< 5	2	8	0.12	< 10	< 10	51	< 10	38
L93E 103+00N	201 238	< 1	< 0.01	8	160	8	< 5	1	6	0.10	< 10	< 10	46	< 10	26
L93E 103+25N	201 238	< 1	< 0.01	10	190	8	< 5	1	8	0.12	< 10	< 10	57	< 10	48
L93E 103+50N	201 238	< 1	< 0.01	6	130	< 2	< 5	1	4	0.07	< 10	10	31	< 10	16
L93E 103+75N	201 238	< 1	0.01	15	300	4	< 5	2	15	0.11	< 10	< 10	45	< 10	48
L93E 104+00N	201 238	< 1	0.01	17	390	4	< 5	2	8	0.08	< 10	< 10	27	< 10	34
L93E 104+50N	201 238	< 1	0.01	21	370	< 2	< 5	3	12	0.10	< 10	< 10	37	< 10	40
L93E 104+75N	201 238	< 1	0.01	14	270	6	< 5	2	9	0.11	< 10	< 10	43	< 10	36
L93E 99+25N	201 238	< 1	0.01	14	200	8	< 5	2	14	0.12	< 10	< 10	39	< 10	66
L95E 99+50N	201 238	< 1	0.01	18	220	6	< 5	1	11	0.10	< 10	< 10	38	< 10	54
L95E 99+75N	201 238	< 1	0.01	13	270	10	< 5	1	10	0.11	< 10	< 10	36	< 10	32
L95E 100+00N	201 238	< 1	< 0.01	9	240	12	< 5	2	9	0.12	< 10	< 10	57	< 10	64
L95E 100+25N	201 238	< 1	< 0.01	9	330	8	< 5	2	6	0.07	< 10	< 10	35	< 10	44
L95E 100+50N	201 238	< 1	< 0.01	9	440	8	< 5	2	6	0.08	< 10	< 10	52	< 10	52
L95E 100+75N	201 238	< 1	0.01	8	460	6	< 5	3	6	0.08	< 10	< 10	41	< 10	36
L95E 101+00N	201 238	< 1	0.01	7	570	4	< 5	2	7	0.09	< 10	< 10	41	< 10	56
L95E 101+25N	201 238	< 1	0.01	12	410	8	< 5	3	18	0.12	< 10	< 10	47	< 10	64
L95E 101+50N	201 238	< 1	0.01	10	400	10	< 5	3	11	0.11	< 10	< 10	60	< 10	62
L95E 102+00N	201 238	< 1	0.01	8	250	6	< 5	2	10	0.15	10	10	81	< 10	38
L95E 102+25N	201 238	< 1	0.01	7	370	8	< 5	2	8	0.12	< 10	< 10	52	< 10	46
L95E 102+50N	201 238	< 1	0.01	8	450	6	< 5	2	7	0.11	< 10	< 10	48	< 10	50
L95E 102+75N	201 238	< 1	0.01	10	550	4	< 5	3	7	0.10	< 10	< 10	47	< 10	48
L95E 103+00N	201 238	< 1	0.01	11	490	10	< 5	3	9	0.11	< 10	< 10	47	< 10	50
L95E 103+25N	201 238	< 1	0.01	8	530	10	< 5	2	8	0.12	< 10	< 10	53	< 10	40
L95E 103+50N	201 238	< 1	0.01	15	180	6	< 5	2	9	0.14	< 10	< 10	49	< 10	80
L95E 103+75N	201 238	< 1	0.01	9	370	6	< 5	2	8	0.11	< 10	< 10	62	< 10	40
L95E 104+00N	201 238	< 1	0.01	7	140	8	< 5	1	7	0.16	< 10	< 10	70	< 10	32
L95E 104+25N	201 238	< 1	< 0.01	5	210	6	< 5	1	6	0.11	< 10	< 10	44	< 10	26
L95E 104+50N	201 238	< 1	0.01	8	380	12	< 5	2	8	0.10	< 10	< 10	46	< 10	34

CERTIFICATION:

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No.: 2-A
 Tot. Pages: 4
 Date: 1-AUG-89
 Invoice #: I-8920908
 P.O. #:

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L97E 104+57N	201 238	< 5	1.35	0.4	5	30	< 0.5	< 2	0.07	< 0.5	1	17	10	2.36	< 10	1	0.04	10	0.14	60
L97E 98+50N	201 238	< 5	1.49	0.2	5	40	< 0.5	< 2	0.21	< 0.5	4	24	2	1.99	< 10	1	0.07	10	0.28	145
L97E 98+75N	201 238	< 5	2.02	0.2	< 5	30	< 0.5	< 2	0.26	< 0.5	5	28	9	1.63	< 40	< 1	0.05	10	0.33	155
L97E 99+00N	201 238	< 5	3.09	0.6	5	30	< 0.5	< 2	0.11	< 0.5	4	42	20	3.88	< 10	< 1	0.06	10	0.30	120
L97E 99+25N	201 238	< 5	2.21	0.6	5	20	< 0.5	< 2	0.09	< 0.5	2	27	21	3.08	< 10	< 1	0.05	10	0.11	90
L97E 99+50N	201 238	< 5	2.32	0.6	5	20	< 0.5	< 2	0.11	< 0.5	3	41	17	2.57	< 10	< 1	0.04	10	0.23	85
L97E 99+75N	201 238	< 5	2.23	0.6	10	40	< 0.5	2	0.16	< 0.5	10	37	29	2.91	< 10	1	0.05	10	0.48	215
L97E 100+00N	201 238	< 5	1.83	0.4	5	40	< 0.5	< 2	0.20	< 0.5	6	34	28	2.09	< 10	< 1	0.06	10	0.48	205
L97E 100+25N	201 238	< 5	1.64	0.4	5	30	< 0.5	< 2	0.11	< 0.5	3	20	16	2.47	< 10	< 1	0.05	10	0.27	105
L97E 100+50N	201 238	< 5	2.03	0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	2	22	8	2.19	< 10	1	0.04	10	0.14	135
L97E 100+75N	201 238	< 5	2.24	1.0	< 5	30	< 0.5	< 2	0.10	< 0.5	2	59	21	4.62	20	< 1	0.06	< 10	0.22	110
L97E 102+00N	201 238	35	2.05	0.2	10	60	< 0.5	2	0.16	< 0.5	8	32	33	3.06	< 10	< 1	0.06	10	0.46	190
L97E 102+25N	201 238	< 5	2.20	0.4	5	60	< 0.5	< 2	0.14	< 0.5	6	35	27	4.57	< 10	< 1	0.07	10	0.41	150
L97E 102+50N	201 238	< 5	1.30	< 0.2	< 5	30	< 0.5	< 2	0.09	< 0.5	2	21	5	2.54	< 10	< 1	0.04	< 10	0.17	85
L97E 102+75N	201 238	< 5	2.56	< 0.2	10	40	< 0.5	< 2	0.09	< 0.5	3	24	12	2.90	< 10	1	0.03	< 10	0.17	185
L97E 103+00N	201 238	< 5	1.50	0.2	< 5	40	< 0.5	< 2	0.10	< 0.5	8	22	12	1.95	< 10	< 1	0.05	10	0.18	240
L97E 103+25N	201 238	< 5	1.08	0.2	5	60	< 0.5	< 2	0.17	< 0.5	4	20	9	2.13	10	< 1	0.05	10	0.21	400
L97E 103+50N	201 238	< 5	3.10	0.4	< 5	50	< 0.5	< 2	0.13	< 0.5	5	33	8	3.68	10	< 1	0.05	10	0.27	190
L97E 103+75N	201 238	< 5	1.91	< 0.2	< 5	30	< 0.5	< 2	0.08	< 0.5	2	20	7	2.04	10	< 1	0.03	10	0.16	90
L97E 104+00N	201 238	< 5	2.34	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	3	24	7	2.12	< 10	< 1	0.03	10	0.24	90
L97E 104+25N	201 238	< 5	3.23	0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	3	30	7	4.09	10	< 1	0.03	10	0.31	155
L99E 95+25N	201 238	< 5	2.33	< 0.2	< 5	30	< 0.5	< 2	0.12	< 0.5	3	32	14	3.19	10	< 1	0.05	10	0.27	100
L99E 95+50N	201 238	< 5	2.39	0.8	< 5	30	< 0.5	< 2	0.11	< 0.5	3	29	8	2.90	10	< 1	0.03	10	0.17	100
L99E 95+75N	201 238	< 5	2.84	0.4	< 5	50	< 0.5	< 2	0.13	< 0.5	4	35	15	3.87	10	< 1	0.05	10	0.28	130
L99E 96+00N	201 238	< 5	2.10	0.8	< 5	50	< 0.5	< 2	0.27	< 0.5	6	41	10	2.21	10	< 1	0.10	10	0.45	195
L99E 96+25N	201 238	< 5	1.78	0.4	10	30	< 0.5	< 2	0.26	< 0.5	4	19	23	2.22	< 10	< 1	0.05	10	0.29	105
L99E 96+50N	201 238	< 5	2.20	0.4	5	40	< 0.5	< 2	0.36	< 0.5	4	25	21	3.08	10	< 1	0.06	10	0.23	125
L99E 96+75N	201 238	< 5	0.85	0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	1	12	7	2.38	< 10	1	0.03	< 10	0.11	95
L99E 97+00N	201 238	< 5	1.93	0.6	< 5	30	< 0.5	< 2	0.11	< 0.5	2	32	7	2.57	10	< 1	0.05	10	0.21	75
L99E 97+50NA	201 238	< 5	3.96	0.4	5	40	< 0.5	< 2	0.09	< 0.5	3	42	10	3.40	10	1	0.05	10	0.21	125
L99E 97+50NB	201 238	< 5	3.83	0.6	10	40	< 0.5	< 2	0.10	< 0.5	4	42	18	3.95	< 10	< 1	0.04	10	0.25	140
L99E 97+75N	201 238	10	3.37	0.4	10	50	< 0.5	< 2	0.11	< 0.5	4	83	17	4.97	10	< 1	0.05	10	0.35	110
L99E 98+00N	201 238	< 5	4.60	0.4	< 5	80	< 0.5	< 2	0.10	< 0.5	16	43	41	6.07	10	< 1	0.05	< 10	0.81	575
L99E 98+25N	201 238	< 5	1.11	0.8	10	30	< 0.5	< 2	0.08	< 0.5	1	21	20	2.01	10	< 1	0.03	10	0.11	110
L99E 98+50N	201 238	< 5	2.42	0.4	< 5	60	< 0.5	< 2	0.13	< 0.5	2	35	23	2.81	10	< 1	0.04	10	0.12	205
L99E 98+75N	201 238	< 5	2.10	0.4	< 5	40	< 0.5	< 2	0.21	< 0.5	3	36	13	2.37	10	< 1	0.06	10	0.32	115
L99E 99+25N	201 238	< 5	2.15	0.4	10	20	< 0.5	< 2	0.19	< 0.5	4	23	23	2.26	10	< 1	0.04	10	0.28	125
L99E 99+75N	201 238	5	2.27	0.4	< 5	30	< 0.5	< 2	0.07	< 0.5	2	29	8	2.16	10	< 1	0.03	< 10	0.16	75
L99E 100+00N	201 238	< 5	1.74	0.6	10	20	< 0.5	< 2	0.12	< 0.5	3	25	7	2.51	10	< 1	0.03	< 10	0.25	100
L99E 100+12.5N	201 238	< 5	2.28	0.2	10	20	< 0.5	< 2	0.09	< 0.5	2	33	14	2.86	10	< 1	0.03	< 10	0.27	85

CERTIFICATION:



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 2-B
 Tot. Pages: 4
 Date : 1-AUG-89
 Invoice #: I-8920908
 P.O. # :

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L97E 104+57N	201 238	1	< 0.01	6	200	8	< 5	1	8	0.12	< 10	< 10	49	< 10	28
L97E 98+50N	201 238	1	0.01	12	260	8	< 5	2	15	0.12	< 10	< 10	30	< 10	34
L97E 98+75N	201 238	< 1	0.01	18	450	4	< 5	3	16	0.10	< 10	< 10	28	< 10	34
L97E 99+00N	201 238	< 1	0.01	12	460	2	< 5	3	7	0.12	10	10	55	< 10	54
L97E 99+25N	201 238	1	0.01	6	370	8	< 5	2	8	0.10	< 10	< 10	55	< 10	44
L97E 99+50N	201 238	< 1	0.01	11	280	6	< 5	2	8	0.12	10	< 10	46	< 10	32
L97E 99+75N	201 238	1	0.01	21	310	2	< 5	3	11	0.16	< 10	< 10	46	< 10	64
L97E 100+00N	201 238	1	0.01	23	250	6	< 5	3	14	0.13	< 10	< 10	38	< 10	56
L97E 100+25N	201 238	< 1	0.01	9	250	6	< 5	2	10	0.14	< 10	< 10	56	< 10	46
L97E 100+50N	201 238	< 1	0.01	7	340	14	< 5	2	9	0.11	< 10	< 10	44	< 10	34
L97E 100+75N	201 238	< 1	0.01	10	250	4	< 5	3	8	0.22	10	10	162	< 10	40
L97E 102+00N	201 238	1	0.01	22	280	14	< 5	3	11	0.13	< 10	< 10	51	< 10	62
L97E 102+25N	201 238	< 1	0.01	18	350	6	< 5	3	10	0.16	20	< 10	83	< 10	78
L97E 102+50N	201 238	1	< 0.01	8	160	6	< 5	1	6	0.11	20	< 10	44	< 10	50
L97E 102+75N	201 238	1	< 0.01	9	460	12	< 5	1	6	0.08	< 10	< 10	45	< 10	56
L97E 103+00N	201 238	2	< 0.01	8	200	4	< 5	1	8	0.08	< 10	< 10	34	< 10	40
L97E 103+25N	201 238	< 1	< 0.01	7	220	2	< 5	1	13	0.10	< 10	< 10	46	< 10	52
L97E 103+50N	201 238	1	0.01	19	410	10	< 5	2	10	0.15	< 10	< 10	62	< 10	68
L97E 103+75N	201 238	< 1	< 0.01	5	170	4	< 5	2	9	0.12	< 10	< 10	46	< 10	32
L97E 104+00N	201 238	1	< 0.01	11	300	4	< 5	2	7	0.10	< 10	< 10	38	< 10	36
L97E 104+25N	201 238	< 1	< 0.01	9	460	8	5	2	6	0.13	< 10	< 10	56	< 10	50
L99E 95+25N	201 238	< 1	0.01	11	240	4	5	3	9	0.11	< 10	< 10	50	< 10	30
L99E 95+50N	201 238	< 1	0.01	8	280	< 2	< 5	3	7	0.11	< 10	< 10	46	< 10	32
L99E 95+75N	201 238	1	0.01	11	320	10	< 5	3	9	0.14	< 10	< 10	57	< 10	60
L99E 96+00N	201 238	< 1	0.01	18	200	6	< 5	3	18	0.14	< 10	< 10	34	< 10	46
L99E 96+25N	201 238	1	0.01	11	350	2	< 5	3	13	0.11	< 10	< 10	41	< 10	42
L99E 96+50N	201 238	< 1	0.01	10	270	4	< 5	3	15	0.12	< 10	< 10	58	< 10	36
L99E 96+75N	201 238	1	< 0.01	3	160	6	< 5	1	6	0.13	< 10	< 10	60	< 10	30
L99E 97+00N	201 238	2	0.01	8	160	8	< 5	2	11	0.14	< 10	< 10	56	< 10	30
L99E 97+50NA	201 238	1	0.01	10	370	2	< 5	3	7	0.12	< 10	< 10	44	< 10	52
L99E 97+50NB	201 238	1	0.01	12	480	8	< 5	3	7	0.11	< 10	< 10	48	< 10	50
L99E 97+75N	201 238	2	0.01	16	320	4	5	4	13	0.15	< 10	< 10	78	< 10	58
L99E 98+00N	201 238	< 1	0.01	34	560	4	< 5	4	16	0.12	< 10	< 10	86	< 10	164
L99E 98+25N	201 238	< 1	< 0.01	6	320	12	< 5	1	7	0.08	< 10	< 10	36	< 10	32
L99E 98+50N	201 238	2	0.01	8	470	2	5	2	10	0.09	< 10	< 10	39	< 10	60
L99E 98+75N	201 238	< 1	0.01	14	300	2	< 5	3	17	0.12	< 10	< 10	31	< 10	60
L99E 99+25N	201 238	< 1	0.01	12	350	2	< 5	2	10	0.12	< 10	< 10	48	< 10	60
L99E 99+75N	201 238	< 1	0.01	8	200	2	5	2	6	0.10	< 10	< 10	44	< 10	36
L99E 100+00N	201 238	< 1	0.01	12	160	< 2	< 5	2	8	0.13	< 10	< 10	49	< 10	40
L99E 100+12.5N	201 238	< 1	0.01	11	220	2	< 5	2	7	0.13	< 10	< 10	51	< 10	40

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 1118

Comments: ATT'N: J. LONDY, C.C.: G. PIERCE

Page No.: 3-A
 Tot. Pages: 4
 Date: 1-AUG-89
 Invoice #: I-8920908
 P.O. #:

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L99E 100+2.5N	201 238	< 5	1.98	< 0.2	5	50	< 0.5	< 2	0.09	< 0.5	9	50	19	5.69	30	< 1	0.07	< 10	0.50	125
L99E 100+5.0N	201 238	< 5	3.50	0.2	15	60	0.5	< 2	0.49	< 0.5	21	86	60	3.91	10	< 1	0.04	10	1.25	810
L99E 100+7.5N	201 238	< 5	2.44	< 0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	7	35	25	2.98	10	< 1	0.02	10	0.28	100
L99E 101+0.0N	201 238	< 5	3.81	0.2	5	30	< 0.5	< 2	0.09	< 0.5	7	47	20	3.68	10	< 1	0.04	10	0.26	95
L99E 101+2.5N	201 238	< 5	4.25	0.2	10	20	< 0.5	< 2	0.09	0.5	4	45	20	3.17	10	< 1	0.02	10	0.21	115
L99E 101+5.0N	201 238	< 5	2.85	< 0.2	10	30	< 0.5	< 2	0.13	< 0.5	8	39	21	2.35	10	< 1	0.03	10	0.35	210
L99E 101+7.5N	201 238	< 5	3.74	0.2	< 5	20	< 0.5	2	0.26	< 0.5	13	43	42	2.50	10	< 1	0.03	10	0.51	170
L99E 102+0.0N	201 238	< 5	1.98	0.2	15	20	< 0.5	< 2	0.29	< 0.5	12	30	29	1.88	10	< 1	0.04	10	0.43	200
L99E 102+2.5N	201 238	< 5	1.50	< 0.2	5	40	< 0.5	< 2	0.16	< 0.5	3	29	12	3.20	10	< 1	0.04	10	0.20	75
L99E 102+7.5N	201 238	< 5	2.06	< 0.2	10	20	< 0.5	< 2	0.10	< 0.5	4	31	13	2.50	10	< 1	0.03	10	0.21	115
L99E 103+0.0N	201 238	< 5	1.28	< 0.2	< 5	40	< 0.5	< 2	0.13	< 0.5	6	29	15	3.13	< 10	< 1	0.04	10	0.28	125
L99E 103+2.5N	201 238	< 5	1.62	< 0.2	< 5	10	< 0.5	< 2	0.17	< 0.5	4	21	18	1.15	< 10	< 1	0.02	10	0.30	105
L99E 103+4.5N	201 238	< 5	3.58	< 0.2	10	20	< 0.5	< 2	0.09	< 0.5	3	33	18	3.04	< 10	< 1	0.03	10	0.16	85
L100E 93+5.0N	201 238	< 5	2.79	< 0.2	< 5	40	< 0.5	< 2	0.08	< 0.5	5	29	18	4.30	10	< 1	0.04	10	0.21	90
L100E 93+7.5N	201 238	< 5	3.91	< 0.2	5	50	< 0.5	< 2	0.22	< 0.5	8	29	55	2.68	< 10	< 1	0.04	10	0.31	165
L100E 94+0.0N	201 238	< 5	3.01	< 0.2	< 5	20	< 0.5	< 2	0.07	< 0.5	3	28	25	3.12	< 10	< 1	0.02	10	0.18	70
L100E 94+2.5N	201 238	< 5	2.16	< 0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	2	23	24	3.97	< 10	< 1	0.03	10	0.20	95
L100E 94+5.0N	201 238	< 5	3.14	< 0.2	< 5	20	< 0.5	< 2	0.10	< 0.5	4	31	16	2.50	< 10	< 1	0.03	10	0.21	115
L100E 94+7.5N	201 238	< 5	2.60	< 0.2	5	30	< 0.5	< 2	0.12	< 0.5	4	23	15	1.99	< 10	< 1	0.03	10	0.20	180
L100E 95+0.0N	201 238	< 5	1.90	< 0.2	5	20	< 0.5	< 2	0.10	< 0.5	3	25	16	2.33	10	< 1	0.03	10	0.23	85
L100E 95+2.5N	201 238	75	2.26	< 0.2	10	20	< 0.5	< 2	0.11	< 0.5	5	35	17	3.95	10	< 1	0.02	10	0.21	265
L100E 95+5.0N	201 238	< 5	4.14	0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	3	46	12	4.03	10	< 1	0.03	10	0.18	80
L100E 95+7.5N	201 238	< 5	1.99	0.4	< 5	40	< 0.5	2	0.21	< 0.5	11	22	49	2.69	10	< 1	0.05	10	0.23	145
L101E 96+0.0N	201 238	< 5	1.30	< 0.2	< 5	20	< 0.5	< 2	0.11	< 0.5	4	28	13	3.65	10	< 1	0.04	10	0.26	100
L101E 96+2.5N	201 238	< 5	1.25	< 0.2	5	30	< 0.5	< 2	0.10	< 0.5	4	17	14	1.26	< 10	< 1	0.05	10	0.24	75
L101E 96+5.0N	201 238	< 5	1.53	< 0.2	< 5	30	< 0.5	< 2	0.16	< 0.5	4	15	20	3.09	10	< 1	0.04	10	0.16	135
L101E 97+2.5N	201 238	10	3.30	< 0.2	< 5	40	< 0.5	< 2	0.11	< 0.5	8	36	26	3.05	10	< 1	0.04	10	0.24	65
L101E 97+5.0N	201 238	< 5	1.48	< 0.2	< 5	30	< 0.5	< 2	0.15	< 0.5	6	41	9	3.12	10	< 1	0.04	10	0.21	145
L101E 97+7.5N	201 238	< 5	1.17	< 0.2	5	40	< 0.5	< 2	0.12	< 0.5	4	21	10	2.31	10	< 1	0.04	10	0.18	180
L101E 98+0.0N	201 238	< 5	2.75	< 0.2	5	30	0.5	< 2	0.16	< 0.5	2	34	6	3.73	10	< 1	0.04	10	0.20	85
L101E 98+2.5N	201 238	< 5	2.26	< 0.2	< 5	40	< 0.5	< 2	0.13	< 0.5	6	29	6	2.47	10	< 1	0.04	10	0.24	90
L101E 98+6.3N	201 238	< 5	2.76	0.2	< 5	40	0.5	< 2	0.17	< 0.5	8	36	11	3.81	10	< 1	0.06	10	0.26	105
L101E 98+8.8N	201 238	5	2.34	< 0.2	< 5	40	< 0.5	< 2	0.17	< 0.5	6	39	15	2.19	< 10	< 1	0.04	10	0.32	125
L101E 99+1.3N	201 238	< 5	1.92	< 0.2	< 5	30	< 0.5	< 2	0.15	< 0.5	4	26	7	2.57	< 10	< 1	0.04	10	0.20	85
L101E 99+6.3N	201 238	< 5	2.16	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	6	27	10	2.48	< 10	< 1	0.04	10	0.21	100
L101E 99+8.8N	201 238	< 5	2.93	0.2	< 5	60	0.5	< 2	0.17	< 0.5	8	29	17	2.99	10	< 1	0.06	10	0.29	150
L101E 100+0.0N	201 238	< 5	1.76	0.2	< 5	60	< 0.5	< 2	0.15	< 0.5	6	23	13	2.62	10	< 1	0.06	10	0.24	150
L101E 100+1.2N	201 238	< 5	3.01	0.2	< 5	50	< 0.5	< 2	0.20	< 0.5	11	31	41	3.61	10	< 1	0.05	10	0.40	195
L101E 100+2.5N	201 238	5	2.35	0.2	< 5	40	0.5	2	0.13	< 0.5	5	26	19	4.52	10	< 1	0.05	10	0.27	175
L101E 100+5.0N	201 238	< 5	1.87	< 0.2	< 5	60	< 0.5	< 2	0.16	< 0.5	6	26	22	3.54	10	< 1	0.03	10	0.38	130

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C.C. G. PIERCE

Page No. : 3-B
 Tot. Pages: 4
 Date : 1-AUG-89
 Invoice #: I-8920908
 P.O. # :

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L99E 100+2.5N	201 238	2	0.01	22	330	20	< 5	2	7	0.22	< 10	< 10	162	< 10	74
L99E 100+5.0N	201 238	2	0.01	61	580	12	< 5	3	15	0.19	< 10	< 10	88	< 10	216
L99E 100+7.5N	201 238	< 1	0.01	15	340	6	< 5	3	7	0.11	< 10	< 10	59	< 10	42
L99E 101+0.0N	201 238	1	0.01	24	410	6	< 5	3	7	0.12	< 10	< 10	69	< 10	48
L99E 101+2.5N	201 238	2	0.01	12	580	14	< 5	3	6	0.09	< 10	< 10	47	< 10	54
L99E 101+5.0N	201 238	< 1	0.01	18	420	10	< 5	3	8	0.11	< 10	< 10	50	< 10	62
L99E 101+7.5N	201 238	< 1	0.01	30	690	10	< 5	4	11	0.17	< 10	< 10	47	< 10	74
L99E 102+0.0N	201 238	< 1	0.01	25	490	10	< 5	3	12	0.11	< 10	< 10	45	< 10	46
L99E 102+2.5N	201 238	2	0.01	11	240	8	< 5	2	12	0.15	< 10	< 10	74	< 10	48
L99E 102+7.5N	201 238	1	0.01	11	350	16	< 5	2	8	0.11	< 10	< 10	61	< 10	42
L99E 103+0.0N	201 238	1	0.01	13	220	6	< 5	2	11	0.16	< 10	< 10	72	< 10	38
L99E 103+2.5N	201 238	1	0.01	12	350	4	< 5	2	9	0.08	< 10	< 10	27	< 10	26
L99E 103+4.5N	201 238	2	0.01	8	630	6	< 5	3	7	0.09	< 10	< 10	39	< 10	38
L100E 93+5.0N	201 238	2	< 0.01	13	260	< 2	< 5	3	6	0.13	< 10	< 10	79	< 10	46
L100E 93+7.5N	201 238	1	0.01	29	600	12	< 5	3	10	0.08	< 10	< 10	40	< 10	50
L100E 94+0.0N	201 238	2	0.01	10	370	8	< 5	3	5	0.10	< 10	< 10	57	< 10	36
L100E 94+2.5N	201 238	3	< 0.01	8	550	20	< 5	2	7	0.11	< 10	< 10	77	< 10	44
L100E 94+5.0N	201 238	1	0.01	12	550	10	< 5	3	7	0.08	< 10	< 10	34	< 10	46
L100E 94+7.5N	201 238	1	0.01	11	470	4	< 5	2	9	0.07	< 10	< 10	33	< 10	68
L100E 95+0.0N	201 238	1	0.01	11	350	12	< 5	2	7	0.10	< 10	< 10	44	< 10	34
L100E 95+2.5N	201 238	2	0.01	9	540	8	< 5	2	7	0.11	< 10	< 10	61	< 10	48
L100E 95+5.0N	201 238	2	0.01	10	530	12	< 5	3	6	0.13	< 10	< 10	73	< 10	48
L100E 95+7.5N	201 238	1	0.01	16	360	14	< 5	3	13	0.12	< 10	< 10	66	< 10	74
L101E 96+0.0N	201 238	3	0.01	10	180	10	< 5	2	10	0.14	< 10	< 10	87	< 10	36
L101E 96+2.5N	201 238	1	0.01	8	190	8	< 5	1	9	0.08	< 10	< 10	36	< 10	34
L101E 96+5.0N	201 238	1	0.01	5	210	10	< 5	3	9	0.16	< 10	< 10	108	< 10	38
L101E 97+2.5N	201 238	2	0.01	22	350	2	< 5	3	9	0.10	< 10	< 10	49	< 10	44
L101E 97+5.0N	201 238	1	0.01	13	230	6	< 5	2	12	0.14	< 10	< 10	58	< 10	54
L101E 97+7.5N	201 238	1	0.01	10	210	4	< 5	1	11	0.09	< 10	< 10	42	< 10	36
L101E 98+0.0N	201 238	1	0.01	10	440	16	< 5	2	11	0.12	< 10	< 10	53	< 10	42
L101E 98+2.5N	201 238	1	0.01	16	330	6	< 5	2	10	0.11	< 10	< 10	43	< 10	44
L101E 98+6.3N	201 238	1	0.01	16	540	12	< 5	3	12	0.12	< 10	< 10	57	< 10	50
L101E 98+8.8N	201 238	1	0.01	20	340	8	< 5	2	11	0.10	< 10	< 10	36	< 10	76
L101E 99+1.3N	201 238	1	0.01	13	310	< 2	< 5	2	13	0.10	< 10	< 10	41	< 10	42
L101E 99+6.3N	201 238	1	0.01	14	240	< 2	< 5	2	9	0.11	< 10	< 10	42	< 10	48
L101E 99+8.8N	201 238	1	0.01	18	380	12	< 5	3	14	0.13	< 10	< 10	48	< 10	60
L101E 100+0.0N	201 238	1	0.01	13	280	4	< 5	2	14	0.12	< 10	< 10	54	< 10	62
L101E 100+1.2N	201 238	1	0.01	25	400	6	< 5	3	17	0.14	< 10	< 10	61	< 10	78
L101E 100+2.5N	201 238	2	0.01	12	560	< 2	< 5	3	13	0.16	< 10	< 10	95	< 10	72
L101E 100+5.0N	201 238	2	0.01	14	570	2	< 5	2	14	0.11	< 10	< 10	63	< 10	78

CERTIFICATION :

B. Conroy



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C C: G. PIERCE

Page No.: 4-A
 Tot. Pages: 4
 Date: 1-AUG-89
 Invoice #: I-8920908
 P.O. #:

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA-AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L101E 100+7.5N	201 238	< 5	1.80	< 0.2	< 5	50	< 0.5	< 2	0.16	< 0.5	7	29	15	2.90	10	< 1	0.05	10	0.39	275
L101E 101+00N	201 238	5	2.64	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	5	36	20	4.54	10	< 1	0.04	10	0.30	165
L101E 101+2.5N	201 238	< 5	2.88	< 0.2	5	30	< 0.5	< 2	0.13	0.5	3	48	19	2.67	< 10	< 1	0.03	10	0.31	200
L101E 101+5.0N	201 238	< 5	2.55	< 0.2	5	30	< 0.5	< 2	0.09	< 0.5	4	47	13	4.38	10	< 1	0.03	10	0.29	95
L101E 101+7.5N	201 238	< 5	3.55	< 0.2	< 5	30	< 0.5	< 2	0.09	< 0.5	8	41	8	3.15	10	< 1	0.04	10	0.26	105
L101E 102+00N	201 238	5	3.87	< 0.2	< 5	30	< 0.5	< 2	0.09	0.5	5	33	14	2.83	< 10	< 1	0.03	10	0.18	80
L101E 102+2.5N	201 238	< 5	1.83	< 0.2	< 5	40	0.5	< 2	0.10	< 0.5	18	36	20	2.65	< 10	< 1	0.05	10	0.40	460
L101E 102+5.0N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+00N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+2.5N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+4.0N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 4-B
 Tot. Pages: 4
 Date : 1-AUG-89
 Invoice #: I-8920908
 P.O. # :

CERTIFICATE OF ANALYSIS A8920908

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
L101E 100+75N	201 238	1	0.01	13	350	6	< 5	2	12	0.12	< 10	< 10	54	< 10	68
L101E 101+00N	201 238	4	0.01	11	550	12	< 5	3	9	0.12	< 10	< 10	72	< 10	64
L101E 101+25N	201 238	1	0.01	14	500	10	< 5	3	8	0.10	< 10	< 10	43	< 10	68
L101E 101+50N	201 238	2	0.01	16	270	6	< 5	3	7	0.13	< 10	< 10	69	< 10	56
L101E 101+75N	201 238	1	0.01	16	240	10	< 5	3	8	0.11	< 10	< 10	48	< 10	72
L101E 102+00N	201 238	2	0.01	11	530	2	< 5	3	7	0.09	< 10	< 10	41	< 10	44
L101E 102+25N	201 238	2	< 0.01	17	340	< 2	< 5	2	9	0.11	< 10	< 10	51	< 10	86
L101E 102+50N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+00N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+25N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
L101E 103+40N	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

CERTIFICATION :



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5

PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118-F2 B
Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1-A
Tot. Pages: 2
Date : 23-JUL-89
Invoice #: I-8920431
P.O. # :

CERTIFICATE OF ANALYSIS A8920431

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L95E 90+25N	201 238	< 5	1.77	0.2	10	30	< 0.5	< 2	0.11	< 0.5	6	29	15	2.92	10	< 1	0.03	10	0.26	90
L95E 90+50N	201 238	< 5	1.97	0.4	< 5	80	< 0.5	< 2	0.25	< 0.5	12	31	35	3.90	10	< 1	0.07	10	0.42	450
L95E 90+75N	201 238	< 5	2.17	0.2	10	40	< 0.5	< 2	0.11	< 0.5	7	25	23	2.18	10	< 1	0.04	10	0.22	85
L95E 91+00N	201 238	< 5	2.12	0.2	10	50	< 0.5	< 2	0.15	< 0.5	6	28	16	2.53	10	< 1	0.04	10	0.28	145
L95E 91+25N	201 238	< 5	2.39	0.2	5	40	< 0.5	< 2	0.14	< 0.5	7	33	16	1.84	< 10	< 1	0.03	10	0.32	115
L95E 91+50N	201 238	< 5	2.30	< 0.2	10	40	< 0.5	< 2	0.10	< 0.5	5	27	11	2.07	< 10	< 1	0.04	10	0.24	115
L95E 91+75N	201 238	< 5	3.26	0.2	5	30	0.5	< 2	0.11	< 0.5	6	34	18	3.20	< 10	< 1	0.04	10	0.23	170
L95E 92+00N	201 238	< 5	2.84	0.2	10	40	< 0.5	< 2	0.10	< 0.5	11	29	21	2.78	10	< 1	0.05	10	0.24	280
L95E 92+25N	201 238	< 5	1.58	0.2	< 5	30	< 0.5	2	0.07	< 0.5	6	15	11	1.61	< 10	< 1	0.04	10	0.15	190
L95E 92+50N	201 238	< 5	1.83	0.2	5	20	< 0.5	< 2	0.09	< 0.5	6	25	10	2.56	10	< 1	0.04	10	0.22	125
L95E 92+75N	201 238	< 5	2.66	< 0.2	< 5	30	< 0.5	< 2	0.10	< 0.5	6	30	15	3.06	10	< 1	0.03	10	0.25	80
L95E 93+00N	201 238	< 5	1.27	0.2	5	40	< 0.5	< 2	0.09	< 0.5	5	18	17	1.94	10	< 1	0.04	10	0.21	115
L95E 93+25N	201 238	< 5	2.04	0.2	10	40	< 0.5	2	0.15	< 0.5	6	26	22	2.61	10	< 1	0.04	10	0.18	105
L95E 93+50N	201 238	< 5	2.27	0.2	< 5	30	0.5	2	0.07	< 0.5	6	25	9	2.41	10	< 1	0.02	10	0.15	80
L95E 93+75N	201 238	< 5	5.27	0.2	< 5	30	0.5	2	0.11	0.5	7	51	19	3.74	10	< 1	0.04	10	0.18	80
L95E 94+00N	201 238	< 5	1.63	0.2	5	30	< 0.5	< 2	0.19	< 0.5	6	35	27	2.22	10	< 1	0.03	10	0.36	105
L95E 94+25N	201 238	< 5	2.48	0.4	10	40	< 0.5	2	0.18	< 0.5	6	26	27	1.88	10	< 1	0.04	10	0.18	110
L95E 94+50N	201 238	< 5	1.77	0.2	5	30	0.5	< 2	0.12	< 0.5	7	31	12	3.54	10	< 1	0.04	10	0.28	95
L95E 94+75N	201 238	< 5	2.88	0.4	5	30	0.5	2	0.13	< 0.5	8	33	20	3.26	10	< 1	0.03	10	0.27	80
L95E 95+25N	201 238	< 5	1.23	0.4	< 5	40	0.5	< 2	0.41	< 0.5	7	23	11	1.35	10	< 1	0.05	20	0.28	255
L101E 87+21N	201 238	< 5	3.15	0.2	< 5	40	0.5	< 2	0.08	< 0.5	5	28	20	4.17	< 10	< 1	0.04	10	0.19	135
L101E 87+75N	201 238	< 5	1.59	0.2	20	30	0.5	< 2	0.14	< 0.5	7	29	14	3.23	10	< 1	0.04	10	0.27	80
L101E 88+00N	201 238	< 5	2.55	0.4	10	30	< 0.5	< 2	0.07	< 0.5	4	21	13	2.13	10	< 1	0.03	10	0.15	40
L101E 88+25N	201 238	< 5	1.75	0.2	5	30	0.5	2	0.10	< 0.5	10	24	13	3.05	20	< 1	0.14	< 10	0.67	95
L101E 91+75N	201 238	< 5	1.19	0.2	5	30	0.5	4	0.12	< 0.5	5	26	6	2.86	10	< 1	0.07	10	0.26	120
L101E 92+00N	201 238	< 5	1.29	0.4	5	50	0.5	< 2	0.45	< 0.5	7	26	15	1.57	10	< 1	0.04	10	0.35	150
L101E 92+25N	201 238	< 5	2.47	0.2	10	30	0.5	< 2	0.16	< 0.5	15	46	45	2.36	< 10	< 1	0.02	10	0.54	130
L102E 87+37N	201 238	< 5	3.12	0.4	5	20	0.5	< 2	0.11	< 0.5	6	28	26	2.06	< 10	< 1	0.03	10	0.23	50
L102E 87+75N	201 238	< 5	0.90	< 0.2	5	10	< 0.5	2	0.06	< 0.5	3	15	5	2.44	10	< 1	0.02	< 10	0.08	30
L102E 88+25N	201 238	< 5	0.70	< 0.2	< 5	10	< 0.5	< 2	0.05	< 0.5	3	14	7	1.64	10	< 1	0.02	< 10	0.20	50
L102E 88+50N	201 238	< 5	4.08	< 0.2	10	40	0.5	< 2	0.17	< 0.5	5	37	7	3.30	10	< 1	0.03	< 10	0.13	60
L102E 88+75N	201 238	< 5	3.48	0.2	5	20	0.5	2	0.06	< 0.5	3	26	10	2.52	< 10	< 1	0.02	< 10	0.10	40
L102E 89+25N	201 238	< 5	3.30	0.2	5	60	0.5	2	0.12	< 0.5	5	34	17	3.94	10	< 1	0.02	10	0.14	90
L102E 89+50N	201 238	< 5	2.05	0.4	5	40	0.5	< 2	0.13	< 0.5	5	21	8	2.32	10	< 1	0.03	10	0.15	140
L102E 89+75N	201 238	< 5	2.38	0.2	< 5	20	0.5	< 2	0.07	< 0.5	4	22	5	2.06	< 10	< 1	0.02	10	0.12	85
L102E 90+00N	201 238	< 5	2.42	< 0.2	< 5	20	0.5	< 2	0.10	< 0.5	7	26	13	2.00	< 10	< 1	0.02	< 10	0.37	185
L102E 90+25N	201 238	< 5	3.32	< 0.2	5	20	0.5	< 2	0.10	< 0.5	6	37	21	2.94	< 10	< 1	0.03	10	0.18	120
L102E 90+50N	201 238	< 5	1.73	< 0.2	5	30	0.5	2	0.12	< 0.5	7	38	20	3.83	10	< 1	0.03	10	0.24	260
L102E 90+75N	201 238	< 5	2.76	< 0.2	5	30	1.0	2	0.07	< 0.5	6	29	17	3.36	10	< 1	0.02	10	0.15	100
L102E 91+00N	201 238	< 5	2.66	0.2	10	60	0.5	< 2	0.33	< 0.5	16	26	24	1.82	< 10	< 1	0.05	20	0.30	275

CERTIFICATION :

B. Cough



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2 B
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1-B
 Tot. Pages: 2
 Date : 23-JUL-89
 Invoice #: I-8920431
 P.O. # :

CERTIFICATE OF ANALYSIS A8920431

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L95E 90+2 5N	201 238	< 1	0.01	10	200	10	< 5	2	8	0.11	< 10	< 10	51	< 10	52
L95E 90+50N	201 238	1	0.01	14	470	14	< 5	2	19	0.17	< 10	< 10	79	< 10	116
L95E 90+7 5N	201 238	1	0.01	15	270	6	< 5	2	9	0.09	< 10	< 10	41	< 10	46
L95E 91+00N	201 238	1	0.01	14	300	8	< 5	2	14	0.09	< 10	< 10	40	< 10	70
L95E 91+2 5N	201 238	< 1	0.01	22	310	6	< 5	2	8	0.08	< 10	< 10	29	< 10	42
L95E 91+50N	201 238	< 1	0.01	12	370	10	< 5	2	8	0.08	< 10	< 10	30	< 10	68
L95E 91+7 5N	201 238	2	0.01	10	630	6	< 5	2	9	0.08	< 10	< 10	39	< 10	68
L95E 92+00N	201 238	2	0.01	11	480	14	< 5	3	8	0.08	< 10	< 10	41	< 10	82
L95E 92+2 5N	201 238	< 1	0.01	6	300	4	< 5	1	7	0.07	< 10	< 10	28	< 10	54
L95E 92+50N	201 238	1	0.01	9	350	10	< 5	2	6	0.09	< 10	< 10	40	< 10	52
L95E 92+7 5N	201 238	1	0.01	12	400	2	< 5	3	7	0.09	< 10	< 10	50	< 10	42
L95E 93+00N	201 238	< 1	0.01	8	240	26	< 5	2	16	0.13	< 10	< 10	53	< 10	50
L95E 93+2 5N	201 238	< 1	0.01	11	360	8	< 5	2	11	0.10	< 10	< 10	37	< 10	50
L95E 93+50N	201 238	1	0.01	8	300	12	< 5	2	6	0.09	< 10	< 10	50	< 10	32
L95E 93+7 5N	201 238	1	0.01	14	560	16	< 5	5	7	0.11	< 10	< 10	49	< 10	38
L95E 94+00N	201 238	1	0.01	17	280	4	< 5	2	10	0.12	< 10	< 10	50	< 10	36
L95E 94+2 5N	201 238	1	0.01	9	330	10	< 5	2	13	0.09	< 10	< 10	32	< 10	52
L95E 94+50N	201 238	< 1	0.01	11	160	10	< 5	2	10	0.14	< 10	< 10	56	< 10	44
L95E 94+7 5N	201 238	< 1	0.01	15	330	10	< 5	3	8	0.11	< 10	< 10	49	< 10	34
L95E 95+2 5N	201 238	< 1	0.01	16	450	8	< 5	3	16	0.08	< 10	< 10	22	< 10	54
L101E 87+2 1N	201 238	2	0.01	10	640	12	< 5	3	11	0.08	< 10	< 10	54	< 10	76
L101E 87+7 5N	201 238	2	0.01	15	220	8	< 5	2	10	0.12	< 10	< 10	45	< 10	44
L101E 88+00N	201 238	1	0.01	9	280	12	< 5	2	6	0.09	< 10	< 10	34	< 10	36
L101E 88+2 5N	201 238	1	< 0.01	17	110	2	< 5	1	7	0.23	< 10	< 10	80	< 10	46
L101E 91+7 5N	201 238	1	< 0.01	8	140	8	< 5	2	10	0.15	< 10	< 10	50	< 10	40
L101E 92+00N	201 238	< 1	0.01	17	400	6	< 5	3	20	0.09	< 10	< 10	30	< 10	44
L101E 92+2 5N	201 238	< 1	0.01	37	200	6	< 5	3	9	0.10	< 10	< 10	45	< 10	46
L102E 87+3 7N	201 238	2	0.01	12	360	16	< 5	2	7	0.09	< 10	< 10	32	< 10	34
L102E 87+7 5N	201 238	1	< 0.01	5	110	6	< 5	1	4	0.10	< 10	< 10	67	< 10	28
L102E 88+2 5N	201 238	1	0.01	8	100	6	< 5	< 1	3	0.12	< 10	< 10	59	< 10	22
L102E 88+50N	201 238	1	0.01	8	350	6	< 5	3	17	0.10	< 10	< 10	47	< 10	70
L102E 88+7 5N	201 238	1	0.01	6	460	6	< 5	2	4	0.08	< 10	< 10	44	< 10	40
L102E 89+2 5N	201 238	1	< 0.01	10	330	6	< 5	3	9	0.12	< 10	< 10	64	< 10	68
L102E 89+50N	201 238	1	0.01	8	310	10	< 5	1	8	0.09	< 10	< 10	39	< 10	64
L102E 89+7 5N	201 238	1	< 0.01	7	390	8	< 5	2	5	0.08	< 10	< 10	37	< 10	36
L102E 90+00N	201 238	< 1	0.01	12	400	2	< 5	1	6	0.10	< 10	< 10	30	< 10	54
L102E 90+5 5N	201 238	1	0.01	9	610	8	< 5	2	6	0.09	< 10	< 10	36	< 10	52
L102E 90+50N	201 238	1	< 0.01	9	800	4	< 5	2	7	0.11	< 10	< 10	62	< 10	48
L102E 90+7 5N	201 238	1	< 0.01	7	530	2	< 5	2	6	0.09	< 10	< 10	44	< 10	58
L102E 91+00N	201 238	< 1	0.01	22	530	6	< 5	2	14	0.06	< 10	< 10	29	< 10	62

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118-F2 B
 Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 2-A
 Tot. Pages: 2
 Date : 23-JUL-89
 Invoice #: I-8920431
 P.O. # :

CERTIFICATE OF ANALYSIS A8920431

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L102E 91+25N	201 238	< 5	1.10	0.2	< 5	40	< 0.5	< 2	0.28	< 0.5	5	21	8	1.02	< 10	< 1	0.03	10	0.24	275
L102E 91+50N	201 238	< 5	1.32	< 0.2	5	30	< 0.5	< 2	0.21	< 0.5	6	24	6	1.49	< 10	< 1	0.05	10	0.26	85
L102E 91+75N	201 238	< 5	1.89	< 0.2	10	30	0.5	< 2	0.25	< 0.5	7	24	12	2.23	< 10	< 1	0.02	10	0.26	75
L102E 92+00N	201 238	< 5	4.20	< 0.2	< 5	40	0.5	2	0.11	< 0.5	8	25	29	3.92	10	< 1	0.06	10	0.42	210
L102E 92+25N	201 238	< 5	0.82	0.2	< 5	20	< 0.5	< 2	0.08	< 0.5	4	12	6	0.91	10	< 1	0.04	< 10	0.12	40
L103E 87+28N	201 238	< 5	2.28	< 0.2	10	20	0.5	< 2	0.07	< 0.5	5	30	7	3.65	10	1	0.03	< 10	0.13	110
L103E 87+50N	201 238	< 5	1.34	< 0.2	5	40	0.5	2	0.15	< 0.5	5	35	6	3.08	10	2	0.03	< 10	0.30	110
L103E 87+75N	201 238	< 5	1.87	< 0.2	15	30	0.5	2	0.08	< 0.5	4	26	6	3.56	10	< 1	0.03	< 10	0.13	60
L103E 88+75N	201 238	< 5	1.26	< 0.2	< 5	10	< 0.5	< 2	0.08	< 0.5	4	23	7	1.16	10	< 1	0.02	< 10	0.25	55
L103E 89+00N	201 238	< 5	1.83	< 0.2	10	30	0.5	2	0.04	< 0.5	3	24	12	4.67	20	< 1	0.02	< 10	0.13	45
L103E 89+25N	201 238	< 5	2.17	< 0.2	5	40	< 0.5	2	0.11	< 0.5	8	39	25	3.50	10	1	0.05	< 10	0.46	130
L103E 89+50N	201 238	< 5	1.79	< 0.2	< 5	20	0.5	4	0.11	< 0.5	4	25	18	2.45	10	< 1	0.03	10	0.20	65
L103E 89+75N	201 238	< 5	2.67	0.4	10	40	0.5	< 2	0.11	< 0.5	10	29	67	3.16	10	< 1	0.06	10	0.23	170
L103E 90+00N	201 238	< 5	1.51	0.2	5	50	0.5	< 2	0.24	< 0.5	6	31	23	2.37	10	< 1	0.06	10	0.35	180
L103E 90+25N	201 238	< 5	1.21	0.2	< 5	30	< 0.5	< 2	0.23	< 0.5	6	27	29	1.95	10	< 1	0.03	10	0.31	95
L103E 90+75N	201 238	< 5	2.56	0.2	< 5	20	0.5	< 2	0.18	< 0.5	6	26	23	2.20	< 10	< 1	0.02	10	0.22	85
L103E 91+00N	201 238	< 5	1.73	0.2	15	40	< 0.5	< 2	0.13	< 0.5	5	29	7	2.95	10	< 1	0.06	10	0.28	85
L103E 91+25N	201 238	< 5	2.19	0.2	< 5	40	0.5	< 2	0.26	< 0.5	7	27	6	1.73	< 10	< 1	0.04	10	0.21	125
L103E 91+50N	201 238	< 5	1.62	< 0.2	10	30	< 0.5	< 2	0.32	< 0.5	5	20	2	1.49	< 10	< 1	0.03	10	0.17	55
L103E 91+75N	201 238	< 5	2.05	< 0.2	< 5	50	0.5	< 2	0.17	< 0.5	5	24	3	2.40	10	< 1	0.03	10	0.20	70
L103E 92+00N	201 238	< 5	1.87	< 0.2	10	20	0.5	< 2	0.12	< 0.5	4	28	4	2.00	< 10	< 1	0.02	10	0.16	70
L104E 87+16N	201 238	< 5	2.36	0.2	< 5	60	0.5	4	0.11	< 0.5	7	24	21	2.28	10	< 1	0.08	10	0.23	325
L104E 87+25N	201 238	< 5	1.08	< 0.2	< 5	20	< 0.5	2	0.08	< 0.5	3	15	6	1.62	10	< 1	0.03	< 10	0.12	95
L104E 87+50N	201 238	< 5	2.03	0.2	< 5	20	0.5	2	0.10	< 0.5	4	23	6	2.34	10	< 1	0.02	< 10	0.10	65
L104E 87+75N	201 238	< 5	1.65	< 0.2	< 5	20	0.5	< 2	0.08	< 0.5	5	25	5	2.54	10	< 1	0.02	< 10	0.14	165
L104E 88+00N	201 238	< 5	2.29	< 0.2	< 5	20	< 0.5	2	0.09	< 0.5	4	27	9	2.52	< 10	< 1	0.02	10	0.19	65
L104E 88+25N	201 238	< 5	2.57	< 0.2	< 5	20	0.5	< 2	0.08	< 0.5	4	26	12	2.82	10	< 1	0.04	10	0.11	70
L104E 88+75N	201 238	< 5	3.21	0.2	5	40	0.5	< 2	0.09	< 0.5	4	37	13	4.32	10	< 1	0.05	10	0.18	90
L104E 89+00N	201 238	30	2.36	0.4	< 5	40	0.5	4	0.21	0.5	4	39	149	3.75	10	< 1	0.07	10	0.24	180
L104E 89+25N	201 238	< 5	3.81	< 0.2	5	40	1.0	2	0.11	< 0.5	5	39	17	2.91	< 10	< 1	0.04	10	0.14	95
L104E 89+50N	201 238	< 5	2.33	< 0.2	< 5	20	0.5	< 2	0.17	< 0.5	5	26	14	1.73	< 10	< 1	0.03	10	0.21	70
L104E 90+00N	201 238	< 5	1.77	< 0.2	10	20	0.5	< 2	0.15	< 0.5	5	17	20	1.18	< 10	< 1	0.01	< 10	0.12	80
L104E 90+25N	201 238	< 5	1.23	< 0.2	10	10	1.0	< 2	0.06	< 0.5	4	18	7	3.18	10	< 1	0.01	< 10	0.09	45
L104E 93+00N	201 238	< 5	0.68	< 0.2	< 5	20	< 0.5	< 2	0.14	< 0.5	3	17	3	1.11	< 10	< 1	0.03	10	0.18	55
L104E 93+25N	201 238	15	1.65	0.2	5	30	0.5	< 2	0.21	< 0.5	6	31	15	2.62	10	2	0.03	10	0.41	140
L104E 94+50N	201 238	< 5	1.62	0.2	15	50	0.5	< 2	0.26	< 0.5	7	29	23	2.67	10	< 1	0.06	10	0.32	455
L104E 94+75N	201 238	< 5	1.02	0.2	5	30	0.5	< 2	0.11	< 0.5	5	20	8	2.16	10	< 1	0.04	< 10	0.20	95
L104E 94+00N	201 238	< 5	1.60	0.2	10	20	0.5	< 2	0.15	< 0.5	7	27	16	2.18	< 10	< 1	0.02	10	0.29	120

CERTIFICATION :

B. Coughlin



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To : NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project : 1118-F2 B
 Comments: ATN: J. LONDY CC: G. PIERCE

Page No. : 2-B
 Tot. Pages: 2
 Date : 23-JUL-89
 Invoice # : I-8920431
 P.O. # :

CERTIFICATE OF ANALYSIS A8920431

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L102E 91+25N	201 238	< 1	0.01	11	490	2	< 5	2	12	0.06	< 10	< 10	19	< 10	36
L102E 91+50N	201 238	< 1	0.01	11	380	< 2	< 5	2	11	0.08	< 10	< 10	21	< 10	34
L102E 91+75N	201 238	< 1	0.01	13	360	< 2	< 5	2	15	0.08	< 10	< 10	27	< 10	32
L102E 92+00N	201 238	1	0.01	16	710	12	< 5	3	13	0.09	< 10	< 10	60	< 10	90
L102E 92+25N	201 238	< 1	< 0.01	3	90	10	< 5	1	9	0.14	< 10	< 10	62	< 10	24
L103E 87+28N	201 238	1	< 0.01	8	380	16	< 5	2	5	0.11	< 10	< 10	50	< 10	50
L103E 87+50N	201 238	1	< 0.01	11	310	12	< 5	1	9	0.13	< 10	< 10	51	< 10	68
L103E 87+75N	201 238	1	< 0.01	5	290	10	< 5	1	6	0.11	< 10	< 10	63	< 10	58
L103E 88+75N	201 238	< 1	0.01	10	130	4	< 5	1	5	0.13	< 10	< 10	43	< 10	34
L103E 89+00N	201 238	3	< 0.01	6	160	18	< 5	1	5	0.17	< 10	< 10	106	< 10	44
L103E 89+25N	201 238	2	0.01	15	390	4	< 5	1	5	0.18	< 10	< 10	54	< 10	68
L103E 89+50N	201 238	1	< 0.01	9	260	10	< 5	2	7	0.09	< 10	< 10	38	< 10	44
L103E 89+75N	201 238	2	0.01	18	480	10	< 5	2	9	0.09	< 10	< 10	44	< 10	124
L103E 90+00N	201 238	< 1	0.01	15	140	8	< 5	2	16	0.11	< 10	< 10	32	< 10	68
L103E 90+25N	201 238	< 1	0.01	13	220	2	< 5	2	12	0.10	< 10	< 10	28	< 10	36
L103E 90+75N	201 238	1	0.01	11	470	4	< 5	2	9	0.09	< 10	< 10	36	< 10	46
L103E 91+00N	201 238	1	0.01	10	200	8	< 5	2	11	0.13	< 10	< 10	47	< 10	44
L103E 91+25N	201 238	< 1	0.01	11	510	6	< 5	2	12	0.08	< 10	< 10	26	< 10	54
L103E 91+50N	201 238	< 1	0.01	7	270	2	< 5	2	12	0.07	< 10	< 10	20	< 10	20
L103E 91+75N	201 238	< 1	0.01	8	270	10	< 5	2	11	0.10	< 10	< 10	27	< 10	30
L103E 92+00N	201 238	< 1	< 0.01	8	280	8	< 5	2	6	0.08	< 10	< 10	22	< 10	22
L104E 87+16N	201 238	< 1	< 0.01	8	440	4	< 5	2	15	0.08	< 10	< 10	43	< 10	104
L104E 87+25N	201 238	< 1	< 0.01	3	240	8	< 5	1	7	0.09	< 10	< 10	35	< 10	52
L104E 87+50N	201 238	< 1	< 0.01	4	310	2	< 5	1	8	0.08	< 10	< 10	40	< 10	58
L104E 87+75N	201 238	< 1	< 0.01	6	310	8	< 5	1	6	0.10	< 10	< 10	47	< 10	36
L104E 88+00N	201 238	1	0.01	7	370	10	< 5	2	5	0.09	< 10	< 10	39	< 10	38
L104E 88+25N	201 238	< 1	< 0.01	4	430	8	< 5	2	7	0.09	< 10	< 10	46	< 10	50
L104E 88+75N	201 238	1	< 0.01	9	520	14	< 5	2	8	0.11	< 10	< 10	57	< 10	60
L104E 89+00N	201 238	1	0.01	9	600	16	< 5	2	12	0.15	< 10	< 10	71	< 10	78
L104E 89+25N	201 238	< 1	< 0.01	7	850	8	< 5	2	10	0.08	< 10	< 10	40	< 10	52
L104E 89+50N	201 238	< 1	< 0.01	11	550	4	< 5	2	8	0.07	< 10	< 10	26	< 10	34
L104E 90+00N	201 238	< 1	0.01	9	290	14	< 5	1	7	0.06	< 10	< 10	21	< 10	36
L104E 90+25N	201 238	1	< 0.01	4	140	8	< 5	1	4	0.09	< 10	< 10	46	< 10	28
L104E 93+00N	201 238	< 1	0.01	7	90	6	< 5	1	9	0.08	< 10	< 10	22	< 10	20
L104E 93+25N	201 238	< 1	0.01	15	270	10	< 5	3	11	0.12	< 10	< 10	38	< 10	52
L104E 94+00N	201 238	1	0.01	15	620	6	< 5	2	14	0.06	< 10	< 10	51	< 10	98
L104E 94+25N	201 238	1	0.01	8	220	6	< 5	1	8	0.10	< 10	< 10	43	< 10	48
L104E 94+50N	201 238	< 1	0.01	13	490	10	< 5	2	7	0.07	< 10	< 10	33	< 10	44

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: 1118 F2 A
 Comments: ATN: J. LONDREY CC: G. PIERCE

Page No.: 1-A
 Tot. Pages: 2
 Date: 8-AUG-89
 Invoice #: I-8920432
 P.O. #:

CERTIFICATE OF ANALYSIS A8920432

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L92E 90+25N	217 238	2	0.46	< 0.2	5	150	< 0.5	< 2	0.39	2.5	3	15	25	0.56	< 10	< 1	0.08	< 10	0.10	85
L92E 96+00N	217 238	< 1	0.45	< 0.2	5	140	< 0.5	< 2	0.41	1.0	3	7	26	0.25	< 10	< 1	0.07	< 10	0.04	20
L93E 87+75N	217 238	< 1	0.41	< 0.2	5	90	< 0.5	< 2	0.26	0.5	3	19	21	0.45	< 10	< 1	0.09	< 10	0.14	50
L93E 89+75N	217 238	< 1	0.41	< 0.2	5	90	< 0.5	< 2	0.29	0.5	2	9	13	0.63	< 10	< 1	0.09	< 10	0.06	85
L93E 94+00N	217 238	3	0.41	< 0.2	< 5	100	< 0.5	< 2	0.54	1.0	3	16	14	0.48	< 10	< 1	0.09	< 10	0.13	55
L93E 95+75N	217 238	< 1	0.56	< 0.2	10	100	< 0.5	< 2	0.48	0.5	4	119	15	0.85	< 10	< 1	0.07	10	0.10	70
L94E 87+05N	217 238	< 1	1.29	< 0.2	5	50	< 0.5	< 2	0.70	< 0.5	6	15	14	1.32	< 10	< 1	0.08	10	0.18	140
L94E 88+00N	217 238	< 1	1.19	< 0.2	5	110	< 0.5	< 2	1.96	1.5	9	17	50	1.13	< 10	< 1	0.04	< 10	0.18	1300
L95E 88+00N	217 238	< 1	1.11	< 0.2	< 5	50	< 0.5	< 2	1.61	0.5	6	14	76	0.56	< 10	< 1	0.03	10	0.17	230
L95E 88+25N	217 238	< 1	0.30	< 0.2	5	90	< 0.5	< 2	0.37	2.0	2	6	7	0.32	< 10	< 1	0.09	< 10	0.06	85
L95E 88+50N	217 238	< 1	1.34	< 0.2	10	70	< 0.5	< 2	0.74	< 0.5	7	23	38	1.73	< 10	< 1	0.10	< 10	0.39	130
L95E 95+00N	217 238	< 1	1.25	< 0.2	10	90	< 0.5	< 2	0.34	0.5	11	14	34	1.80	< 10	< 1	0.09	10	0.43	225
L99E 88+50N	217 238	< 1	0.43	< 0.2	10	90	< 0.5	< 2	0.76	0.5	2	9	11	0.43	< 10	< 1	0.11	< 10	0.11	40
L101E 87+50N	217 238	< 1	1.11	< 0.2	15	50	< 0.5	< 2	2.59	1.0	7	10	29	1.20	< 10	< 1	0.04	< 10	0.28	65
L102E 89+00N	217 238	< 1	1.02	< 0.2	10	70	< 0.5	< 2	0.30	1.0	4	14	20	0.83	< 10	< 1	0.06	< 10	0.06	45
L102E 92+50N	217 238	4	0.62	< 0.2	5	70	< 0.5	< 2	0.33	0.5	4	30	23	0.84	< 10	1	0.11	< 10	0.12	120
L103E 90+50N	217 238	< 1	0.42	< 0.2	< 5	110	< 0.5	< 2	2.70	2.0	9	9	53	0.78	< 10	1	0.05	< 10	0.21	2210
L103E 92+25N	217 238	< 1	0.34	< 0.2	5	70	< 0.5	< 2	3.78	1.0	3	6	7	0.47	< 10	< 1	0.07	< 10	0.33	325
L104E 88+50N	217 238	2	0.69	< 0.2	10	110	< 0.5	< 2	0.24	< 0.5	4	28	7	0.86	< 10	< 1	0.11	< 10	0.20	295
L104E 89+75N	217 238	2	0.38	< 0.2	5	60	< 0.5	< 2	3.05	1.0	2	9	15	0.69	< 10	1	0.05	< 10	0.32	430
L104E 90+50N	217 238	< 1	0.49	< 0.2	15	150	< 0.5	< 2	0.56	1.0	3	11	7	0.47	< 10	< 1	0.10	< 10	0.08	20
L104E 90+75N	217 238	< 1	0.17	< 0.2	10	80	< 0.5	< 2	3.44	0.5	2	6	5	0.18	< 10	< 1	0.05	< 10	0.27	55
L104E 91+00N	217 238	< 1	0.17	< 0.2	10	30	< 0.5	< 2	1.66	0.5	2	3	3	0.19	< 10	< 1	0.07	< 10	0.22	15
L104E 91+25N	217 238	< 1	0.24	< 0.2	10	60	< 0.5	< 2	3.49	1.0	3	4	17	0.63	< 10	< 1	0.05	< 10	0.25	940
L104E 91+50N	217 238	< 1	0.27	< 0.2	10	80	< 0.5	< 2	3.56	1.0	6	5	20	1.29	< 10	1	0.04	< 10	0.25	1225
L104E 91+75N	217 238	< 1	0.41	< 0.2	< 5	60	< 0.5	< 2	3.78	0.5	2	5	21	0.52	< 10	< 1	0.05	< 10	0.25	60
L104E 92+75N	217 238	< 1	0.35	< 0.2	5	70	< 0.5	< 2	4.99	1.0	2	5	8	0.40	< 10	< 1	0.05	< 10	0.44	135
L104E 101+25N	217 238	< 1	1.15	0.4	10	140	< 0.5	< 2	0.71	1.5	15	24	53	1.95	< 10	< 1	0.13	10	0.25	1320
L106E 102+25N	217 238	< 1	0.33	< 0.2	15	130	< 0.5	< 2	0.37	1.0	2	7	16	0.36	< 10	1	0.09	< 10	0.06	40
L106E 103+50N	217 238	< 1	0.60	< 0.2	5	140	< 0.5	< 2	0.40	1.0	3	23	23	0.49	< 10	< 1	0.08	< 10	0.15	90
L107E 101+00N	217 238	< 1	0.35	< 0.2	10	140	< 0.5	< 2	0.43	1.0	2	6	15	0.33	< 10	< 1	0.09	< 10	0.07	65
L107E 101+25N	217 238	< 1	0.33	< 0.2	10	110	< 0.5	< 2	0.50	0.5	3	10	9	0.25	< 10	< 1	0.08	< 10	0.05	20
L108E 90+75N	217 238	< 1	0.18	< 0.2	< 5	60	< 0.5	< 2	3.67	< 0.5	2	3	3	0.25	< 10	< 1	0.04	< 10	0.39	145
L108E 91+00N	217 238	< 1	0.13	< 0.2	5	60	< 0.5	< 2	3.72	0.5	2	2	3	0.27	< 10	< 1	0.04	< 10	0.39	695
L108E 91+25N	217 238	< 1	0.22	< 0.2	10	80	< 0.5	< 2	3.93	1.5	3	3	6	0.66	< 10	< 1	0.03	< 10	0.43	1225
L108E 100+25N	217 238	1	0.75	< 0.2	< 5	110	< 0.5	< 2	0.24	0.5	7	18	14	0.56	< 10	< 1	0.07	< 10	0.13	50
L110E 91+00N	217 238	< 1	0.41	< 0.2	15	180	< 0.5	< 2	2.35	1.0	10	7	7	2.01	< 10	< 1	0.06	< 10	0.27	6070
L110E 91+25N	217 238	2	0.50	< 0.2	5	110	< 0.5	< 2	2.78	1.0	3	8	11	0.61	< 10	< 1	0.07	< 10	0.33	655
L110E 91+50N	217 238	2	0.26	< 0.2	5	80	< 0.5	< 2	1.97	1.0	1	5	9	0.30	< 10	< 1	0.08	< 10	0.26	385
L110E 91+75N	217 238	< 1	0.81	< 0.2	< 5	80	< 0.5	< 2	0.58	0.5	7	38	6	1.13	< 10	< 1	0.06	10	0.23	1505

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0110

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118 F2 A
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1-B
 Tot. Pages: 2
 Date : 8-AUG-89
 Invoice #: I-8920432
 P.O. # :

CERTIFICATE OF ANALYSIS A8920432

SAMPLE DESCRIPTION	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L92E 90+25N	217 238	1	0.01	13	740	82	< 5	< 1	28	0.01	< 10	< 10	13	< 10	160
L92E 96+00N	217 238	< 1	0.01	10	700	52	< 5	< 1	27	< 0.01	< 10	< 10	4	< 10	32
L93E 87+75N	217 238	1	0.01	10	930	90	< 5	< 1	12	0.01	< 10	< 10	8	< 10	.66
L93E 89+75N	217 238	1	0.01	5	850	64	< 5	1	16	0.02	< 10	< 10	21	< 10	64
.93E 94+00N	217 238	< 1	0.01	8	650	80	< 5	1	24	0.02	< 10	< 10	11	< 10	64
L93E 95+75N	217 238	1	0.01	6	590	114	< 5	1	12	0.02	< 10	< 10	25	< 10	70
L94E 87+05N	217 238	1	0.01	12	640	54	< 5	1	25	0.06	< 10	< 10	29	< 10	52
L94E 88+00N	217 238	1	0.01	13	1130	40	< 5	2	49	0.01	< 10	< 10	26	< 10	90
L95E 88+00N	217 238	1	0.01	8	860	14	< 5	2	52	0.01	< 10	< 10	18	< 10	58
L95E 88+25N	217 238	< 1	0.01	4	690	104	< 5	< 1	22	< 0.01	< 10	< 10	5	< 10	68
L95E 88+50N	217 238	1	0.10	27	820	96	< 5	1	41	0.06	< 10	< 10	51	< 10	82
L95E 95+00N	217 238	1	0.02	17	760	70	< 5	2	46	0.09	< 10	< 10	57	< 10	68
L99E 88+50N	217 238	1	0.02	4	660	108	< 5	1	43	0.01	< 10	< 10	10	< 10	102
L101E 87+50N	217 238	1	0.01	11	610	38	< 5	2	49	0.01	< 10	< 10	16	< 10	40
L102E 89+00N	217 238	< 1	0.02	7	570	52	< 5	1	21	0.07	< 10	< 10	22	< 10	60
L102E 92+50N	217 238	< 1	0.02	11	500	56	< 5	1	15	0.05	< 10	< 10	19	< 10	66
L103E 90+50N	217 238	5	0.02	10	1000	52	< 5	1	44	< 0.01	< 10	< 10	10	< 10	232
L103E 92+25N	217 238	1	0.03	2	590	30	< 5	< 1	68	< 0.01	< 10	< 10	5	< 10	62
L104E 88+50N	217 238	1	0.02	8	740	88	< 5	1	12	0.04	< 10	< 10	19	< 10	88
L104E 89+75N	217 238	< 1	0.01	4	720	38	< 5	< 1	39	0.01	< 10	< 10	10	< 10	86
L104E 90+50N	217 238	1	0.02	5	670	114	< 5	1	48	0.01	< 10	< 10	9	< 10	50
L104E 90+75N	217 238	2	0.02	7	510	38	< 5	< 1	93	< 0.01	< 10	< 10	3	< 10	88
L104E 91+00N	217 238	1	0.01	3	460	52	< 5	< 1	31	< 0.01	< 10	< 10	3	< 10	74
L104E 91+25N	217 238	2	0.01	4	750	52	< 5	< 1	57	< 0.01	< 10	< 10	3	< 10	56
.104E 91+50N	217 238	2	0.01	5	790	54	< 5	< 1	61	< 0.01	< 10	< 10	6	< 10	54
L104E 91+75N	217 238	1	0.01	8	950	12	< 5	1	63	< 0.01	< 10	< 10	3	< 10	50
L104E 92+75N	217 238	< 1	0.02	2	820	20	< 5	< 1	52	< 0.01	< 10	< 10	4	< 10	46
L104E 101+25N	217 238	< 1	0.02	14	580	34	< 5	4	37	0.07	< 10	< 10	50	< 10	88
L106E 102+25N	217 238	1	0.01	8	670	106	< 5	< 1	26	0.01	< 10	< 10	6	< 10	128
L106E 103+50N	217 238	< 1	0.01	11	850	86	< 5	< 1	30	0.02	< 10	< 10	9	< 10	74
L107E 101+00N	217 238	1	0.03	9	760	82	< 5	< 1	25	< 0.01	< 10	< 10	5	< 10	66
L107E 101+25N	217 238	< 1	0.02	10	660	56	< 5	< 1	36	< 0.01	< 10	< 10	4	< 10	30
L108E 90+75N	217 238	< 1	0.01	1	520	16	< 5	< 1	52	< 0.01	< 10	< 10	2	< 10	28
L108E 91+00N	217 238	1	0.02	1	580	28	< 5	< 1	55	< 0.01	< 10	< 10	2	< 10	48
L108E 91+25N	217 238	1	0.03	2	640	30	< 5	< 1	39	< 0.01	< 10	< 10	7	< 10	88
L108E 100+25N	217 238	< 1	0.02	16	960	46	< 5	< 1	22	0.01	< 10	< 10	10	< 10	30
L110E 91+00N	217 238	1	0.01	4	1200	50	< 5	< 1	52	< 0.01	< 10	< 10	11	< 10	100
L110E 91+25N	217 238	< 1	0.02	5	900	54	< 5	< 1	59	< 0.01	< 10	< 10	7	< 10	88
L110E 91+00N	217 238	< 1	0.02	4	630	66	< 5	< 1	45	< 0.01	< 10	< 10	6	< 10	78
L110E 91+25N	217 238	< 1	0.02	9	740	22	< 5	1	22	0.05	< 10	< 10	19	< 10	72

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0110

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118 F2 A
 Comments: ATN: J. LONDY CC: G. PIERCE

Page No.: 2-A
 Tot. Pages: 2
 Date: 8-AUG-89
 Invoice #: I-8920432
 P.O. #:

CERTIFICATE OF ANALYSIS A8920432

SAMPLE DESCRIPTION	PREP CODE		Au NAA	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
L110E 93+25N	217	238	3	0.27	0.2	10	80	< 0.5	< 2	1.62	1.0	3	8	8	0.37	< 10	< 1	0.08	< 10	0.17	195
L110E 93+50N	217	238	2	0.53	0.2	5	60	< 0.5	< 2	0.33	0.5	5	31	8	0.99	< 10	< 1	0.09	10	0.09	130
L110E 97+25N	217	238	< 1	0.64	< 0.2	10	100	< 0.5	< 2	0.18	0.5	2	47	11	0.50	< 10	< 1	0.10	< 10	0.06	155
L112E 102+75N	217	238	2	2.67	< 0.2	5	80	0.5	< 2	0.88	0.5	15	42	70	2.03	< 10	< 1	0.05	20	0.65	1240

CERTIFICATION :

B. C. G. J.



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118 F2 A
 Comments: ATN: J. LONDY CC: G. PIERCE

Page No.: 2-B
 Tot. Pages: 2
 Date: 8-AUG-89
 Invoice #: 1-8920432
 P.O. #

CERTIFICATE OF ANALYSIS A8920432

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
L110E 93+25N	217	238	1	0.02	4	700	52	< 5	< 1	34	< 0.01	< 10	< 10	6	< 10	66
L110E 93+50N	217	238	1	0.01	3	710	64	< 5	1	25	0.03	< 10	< 10	29	< 10	42
L110E 97+25N	217	238	1	0.01	4	860	68	< 5	< 1	14	0.01	< 10	< 10	11	< 10	.48
L112E 102+75N	217	238	< 1	0.02	29	900	14	< 5	4	28	0.08	< 10	< 10	41	< 10	142

CERTIFICATION :

B. Campbell



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 118-F2

Comments: ATN: J. LONDROY CC: G. PIERCE

Page No.: 1-A
 Tot. Pages: 5
 Date: 23-JUL-89
 Invoice #: I-8920392
 P.O. #:

CERTIFICATE OF ANALYSIS A8920392

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L92E 90+00N	201 238	< 5	2.22	0.8	< 5	80	< 0.5	2	0.29	0.5	7	33	20	5.51	< 10	< 1	0.07	10	0.32	310
L92E 90+50N	201 238	< 5	6.11	0.2	< 5	150	< 0.5	< 2	0.48	0.5	25	22	60	5.49	< 10	< 1	0.06	10	2.26	360
L92E 90+75N	201 238	< 5	1.92	0.2	10	30	< 0.5	4	0.11	< 0.5	3	28	9	5.06	< 10	< 1	0.03	< 10	0.25	70
L92E 91+00N	201 238	< 5	1.14	0.4	5	30	< 0.5	2	0.18	< 0.5	3	16	9	1.85	< 10	< 1	0.04	10	0.22	85
L92E 91+25N	201 238	< 5	2.03	0.4	< 5	60	< 0.5	4	0.30	0.5	6	37	19	3.73	< 10	< 1	0.07	10	0.37	180
L92E 91+50N	201 238	< 5	1.51	0.4	5	40	< 0.5	< 2	0.24	< 0.5	7	25	14	1.91	< 10	< 1	0.03	10	0.50	140
L92E 91+75N	201 238	< 5	2.44	0.4	30	70	< 0.5	2	0.21	< 0.5	7	44	14	5.91	< 10	1	0.04	10	0.46	150
L92E 92+00N	201 238	< 5	2.48	0.2	< 5	20	< 0.5	< 2	0.13	< 0.5	4	32	20	3.06	< 10	< 1	0.04	10	0.29	110
L92E 92+25N	201 238	< 5	1.01	0.2	15	30	< 0.5	< 2	0.11	< 0.5	2	13	10	1.11	< 10	< 1	0.03	10	0.14	65
L92E 92+50N	201 238	< 5	4.19	< 0.2	10	30	< 0.5	< 2	0.13	< 0.5	4	43	14	2.92	< 10	< 1	0.02	10	0.20	80
L92E 92+75N	201 238	< 5	2.58	0.2	20	70	< 0.5	< 2	0.08	< 0.5	2	31	46	1.93	< 10	< 1	0.06	10	0.16	75
L92E 93+00N	201 238	< 5	3.02	< 0.2	< 5	30	< 0.5	< 2	0.09	0.5	2	33	18	3.12	< 10	2	0.03	10	0.15	90
L92E 93+25N	201 238	< 5	3.44	0.2	20	20	< 0.5	< 2	0.13	< 0.5	6	43	20	4.31	< 10	< 1	0.03	10	0.30	315
L92E 93+50N	201 238	< 5	3.70	0.2	10	20	< 0.5	2	0.09	< 0.5	3	36	13	3.40	< 10	1	0.03	10	0.18	100
L92E 93+75N	201 238	< 5	0.76	< 0.2	15	10	< 0.5	< 2	0.08	< 0.5	2	15	3	1.25	< 10	< 1	0.02	10	0.22	75
L92E 94+00N	201 238	< 5	4.49	0.2	< 5	30	0.5	< 2	0.08	< 0.5	7	43	15	3.73	< 10	< 1	0.02	10	0.18	100
L92E 94+25N	201 238	< 5	3.15	0.2	5	20	< 0.5	2	0.08	< 0.5	5	31	9	2.34	< 10	< 1	0.02	10	0.16	65
L92E 94+50N	201 238	< 5	1.65	0.2	5	30	< 0.5	2	0.07	< 0.5	2	16	13	1.53	< 10	1	0.02	10	0.11	45
L92E 94+75N	201 238	< 5	3.00	0.2	10	30	< 0.5	< 2	0.11	< 0.5	5	33	8	2.20	< 10	< 1	0.01	10	0.22	85
L92E 95+00N	201 238	< 5	5.61	< 0.2	< 5	30	< 0.5	4	0.07	0.5	4	54	12	5.24	< 10	< 1	0.04	10	0.16	55
L92E 95+25N	201 238	< 5	2.33	0.2	35	40	< 0.5	2	0.15	< 0.5	6	32	16	3.25	< 10	< 1	0.04	10	0.34	100
L92E 95+50N	201 238	5	2.33	0.2	15	40	< 0.5	4	0.14	< 0.5	6	33	26	4.71	< 10	< 1	0.05	10	0.31	130
L92E 95+75N	201 238	< 5	3.19	< 0.2	20	30	< 0.5	< 2	0.11	< 0.5	3	45	9	3.85	< 10	< 1	0.02	10	0.15	85
L92E 96+25N	201 238	< 5	2.69	< 0.2	5	100	< 0.5	< 2	0.24	< 0.5	6	41	20	3.22	< 10	< 1	0.04	10	0.29	105
L92E 96+50N	201 238	< 5	1.87	0.2	5	70	< 0.5	< 2	0.21	< 0.5	9	34	17	2.01	< 10	< 1	0.04	10	0.38	155
L93E 86+50N	201 238	< 5	2.25	< 0.2	10	20	< 0.5	< 2	0.13	< 0.5	5	26	16	2.21	< 10	< 1	0.02	< 10	0.19	105
L93E 86+75N	201 238	< 5	2.09	< 0.2	15	30	< 0.5	< 2	0.10	< 0.5	4	24	16	2.91	< 10	< 1	0.03	10	0.13	55
L93E 87+00N	201 238	< 5	2.47	< 0.2	10	40	< 0.5	< 2	0.13	< 0.5	4	26	13	2.95	< 10	< 1	0.03	10	0.15	90
L93E 87+25N	201 238	< 5	2.85	0.2	< 5	70	< 0.5	10	0.23	0.5	9	43	32	6.67	< 10	< 1	0.07	10	0.38	155
L93E 87+50N	201 238	< 5	2.86	0.2	15	40	< 0.5	4	0.18	0.5	8	95	51	6.57	10	< 1	0.07	10	0.42	115
L93E 88+00N	201 238	< 5	2.23	0.4	30	60	< 0.5	< 2	0.57	< 0.5	9	45	73	2.90	< 10	< 1	0.07	10	0.31	140
L93E 88+25N	201 238	< 5	0.90	0.4	5	30	< 0.5	2	0.29	< 0.5	5	19	27	1.16	< 10	< 1	0.04	10	0.31	115
L93E 88+50N	201 238	< 5	1.29	0.2	< 5	40	< 0.5	2	0.38	< 0.5	10	23	18	2.01	< 10	< 1	0.03	10	0.27	390
L93E 88+75N	201 238	< 5	0.90	0.4	5	20	< 0.5	< 2	0.12	< 0.5	3	18	33	1.78	< 10	< 1	0.01	10	0.10	75
L93E 89+00N	201 238	< 5	1.60	0.4	< 5	20	< 0.5	< 2	0.34	0.5	7	23	33	2.19	< 10	< 1	0.02	10	0.26	155
L93E 89+25N	201 238	< 5	1.18	0.2	10	30	< 0.5	2	0.28	< 0.5	5	19	15	1.69	< 10	< 1	0.06	10	0.30	85
L93E 89+50N	201 238	< 5	2.78	0.2	< 5	110	< 0.5	4	0.35	0.5	11	32	28	5.50	< 10	< 1	0.11	10	0.60	220
L93E 90+00N	201 238	< 5	3.87	0.2	< 5	70	< 0.5	2	0.55	< 0.5	16	30	87	5.19	< 10	< 1	0.08	10	1.13	315
L93E 90+50N	201 238	< 5	1.40	0.2	10	30	< 0.5	< 2	0.08	< 0.5	3	24	7	3.15	< 10	< 1	0.04	10	0.20	80
L93E 90+75N	201 238	< 5	2.02	0.4	< 5	50	< 0.5	< 2	0.22	< 0.5	4	32	12	4.43	< 10	< 1	0.06	10	0.20	90

CERTIFICATION :

B. Card



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: B SOIL - 1118
 Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 3
 Tot. Pages: 4
 Date : 14-JUL-89
 Invoice #: I-8919663
 P.O. # :

CERTIFICATE OF ANALYSIS A8919663

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA												
L-98E 93+25N	201	--	<	5										
L-98E 93+75N	201	---	<	5										
L-116E 95+75N	201	---	<	5										
L-116E 96+00N	201	---	<	5										
L-116E 96+25N	201	---	<	40										
L-116E 96+50N	201	---	<	5										
L-116E 96+75N	201	---	<	5										
L-116E 97+00N	201	---	<	5										
L-116E 97+25N	201	---	<	5										
L-116E 98+00N	201	---	<	5										
L-116E 98+25N	201	---	<	5										
L-116E 98+50N	201	---	<	5										
L-116E 98+75N	201	---	<	5										
L-116E 99+00N	201	---	<	5										
L-116E 99+50N	201	---	<	5										
L-116E 99+75N	201	---	<	10										
L-116+10E 99+25N	201	---	<	5										
L-117E 95+30N	201	---	<	5										
L-117E 95+50N	201	---	<	5										
L-117E 95+75N	201	---	<	5										
L-117E 96+00N	201	---	<	5										
L-117E 96+25N	201	---	<	15										
L-117E 96+50N	201	---	<	10										
L-117E 96+75N	201	---	<	5										
L-117E 97+00N	201	---	<	5										
L-117E 97+25N	201	---	<	5										
L-117E 97+50N	201	---	<	5										
L-117E 97+75N	201	---	<	5										
L-117E 98+00N	201	---	<	5										
L-117E 98+25N	201	---	<	5										
L-117E 98+50N	201	---	<	5										
L-117E 98+75N	201	---	<	5										
L-117E 99+00N	201	---	<	5										
L-117E 99+25N	201	---	<	5										
L-117E 99+50N	201	---	<	5										
L-117E 99+75N	201	---	<	5										
L-117E 100+00N	201	---	<	5										
L-117E 100+25N	201	---	<	5										
L-117E 100+50N	201	---	<	5										
L-117E 100+75N	201	---	<	5										

CERTIFICATION : *Thak Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118
Comments: ATT'N: J. LONDRY C.C: G. PIERCE

Page No. : 4
Tot. Pages: 4
Date : 14-JUL-89
Invoice #: I-8919663
P.O. # :

CERTIFICATE OF ANALYSIS A8919663

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L-117E 101+00N	201	---	^^	5							
L-117E 101+25N	201	---	^^	5							
L-117E 101+50N	201	---	^^	5							
L-117E 101+75N	201	---	^^	5							
L-117E 102+00N	201	---	^^	5							
L-117E 102+25N	201	---	^^	5							
L-117E 102+75N	201	---	^^	5							
L-117E 103+00N	201	---	^^	5							
L-118E 95+17N	201	---	^^	5							
L-118E 95+25N	201	---	^^	5							
L-118E 95+50N	201	---	^^	5							
L-118E 96+25N	201	---	^^	5							
L-118E 96+50N	201	---	^^	5							
L-118E 96+75N	201	---	^^	5							
L-118E 97+00N	201	---	^^	5							
L-118E 97+25N	201	---	^^	5							
L-118E 97+50N	201	---	^^	5							
L-118E 97+80N	201	---	^^	5							
L-118E 98+00N	201	---	^^	5							
L-118E 98+25N	201	---	^^	5							
L-118E 98+50N	201	---	^^	5							
L-118E 98+75N	201	---	^^	5							
L-118E 99+00N	201	---	^^	5							
L-118E 99+25N	201	---	^^	5							
L-118E 99+50N	201	---	^^	5							
L-118E 99+75N	201	---	^^	5							
L-118E 100+25N	201	---	^^	5							
L-118E 100+50N	201	---	^^	5							
L-118E 100+75N	201	---	^^	5							
L-118E 101+00N	201	---	^^	5							
L-118E 101+25N	201	---	^^	5							
L-118E 101+50N	201	---	^^	5							
L-118E 101+75N	201	---	^^	5							
L-118E 102+00N	201	---	^^	5							
L-118E 102+25N	201	---	^^	5							
L-118E 102+50N	201	---	^^	5							
L-118E 102+75N	201	---	^^	5							
L-118E 102+90N	201	---	^^	5							
L-118E 95+60N	201	---	^^	5							

CERTIFICATION :

Mark Vorn



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATN: J. LONDY CC: G. PIERCE

Page No. : 1
 Tot. Pages: 2
 Date : 18-JUL-89
 Invoice #: I-8920391
 P.O. # :

CERTIFICATE OF ANALYSIS A8920391

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L52E 7+50N	201	---	^^	5							
L52E 7+75N	201	---	^^	5							
L52E 8+00N	201	---	^^	5							
L52E 8+25N	201	---	^^	5							
L52E 8+50N	201	---	^^	5							
L52E 8+75N	201	---	^^	5							
L52E 9+00N	201	---	^^	5							
L52E 9+25N	201	---	^^	5							
L52E 9+50N	201	---	^^	5							
L52E 9+75N	201	---	^^	5							
L52E 10+25N	201	---	^^	5							
L52E 10+50N	217	---	^^	5							
L52E 10+75N	217	---	^^	5							
L52E 11+00N	201	---	^^	5							
L52E 11+25N	201	---	^^	5							
L52E 11+50N	217	---	^^	5							
L52E 11+75N	217	---	^^	5							
L55E 8+25N	201	---	^^	5							
L55E 8+50N	201	---	^^	5							
L55E 9+25N	201	---	^^	5							
L55E 9+50N	201	---	^^	5							
L55E 9+75N	201	---	^^	5							
L55E 10+25N	201	---	^^	5							
L55E 10+50N	201	---	^^	5							
L55E 10+75N	201	---	^^	5							
L55E 11+00N	201	---	^^	5							
L55E 11+25N	201	---	^^	5							
L55E 11+50N	201	---	^^	5							
L56E 8+25N	201	---	^^	5							
L56E 8+50N	201	---	^^	5							
L56E 8+75N	201	---	^^	5							
L56E 9+00N	201	---	^^	5							
L56E 9+25N	201	---	^^	5							
L56E 9+50N	201	---	^^	5							
L56E 9+75N	201	---	^^	5							
L56E 10+25N	201	---	^^	5							
L56E 10+50N	201	---	^^	5							
L56E 10+75N	217	---	^^	5							
L56E 11+00N	201	---	^^	5							
L56E 11+25N	201	---	^^	5							

CERTIFICATION : Mark Voth



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2
Tot. Pages: 2
Date : 18-JUL-89
Invoice #: I-8920391
P.O. # :

CERTIFICATE OF ANALYSIS A8920391

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L56E 11+50N	201	---	^^	5							
L56E 11+75N	201	---	^^	5							
L57E 8+50N	201	---	^^	5							
L57E 8+75N	201	---	^^	5							
L57E 9+00N	201	---	^^	5							
L57E 9+50N	217	---	^^	5							
L57E 9+75N	201	---	^^	5							
L57E 10+25N	201	---	^^	5							
L57E 10+50N	201	---	^^	5							
L57E 10+75N	201	---	^^	5							
L57E 11+00N	201	---	^^	5							
L57E 11+25N	201	---	^^	5							
L58E 8+50N	201	---	^^	5							
L58E 8+75N	201	---	^^	5							
L58E 9+00N	201	---	^^	5							
L58E 9+25N	201	---	^^	5							
L58E 9+50N	201	---	^^	5							
L58E 9+75N	217	---	^^	5							
L58E 10+25N	201	---	^^	5							
L58E 10+50N	217	---	^^	5							
L58E 10+75N	201	---	^^	5							
L58E 11+00N	201	---	^^	5							
L58E 11+25N	201	---	^^	5							
L58E 11+50N	201	---	^^	5							

CERTIFICATION : *Thak Vank*



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118

Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 1
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919664
P.O. # :

CERTIFICATE OF ANALYSIS A8919664

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
L-119E 95+75N	201	---	<	5									
L-119E 96+25N	201	---	<	5									
L-119E 96+50N	201	---	<	5									
L-119E 96+75N	201	---	<	5									
L-119E 97+00N	201	---	<	5									
L-119E 97+25N	201	---	<	15									
L-119E 97+50N	201	---	<	5									
L-119E 97+75N	201	---	<	5									
L-119E 98+00N	201	---	<	5									
L-119E 98+25N	201	---	<	5									
L-119E 98+50N	201	---	<	5									
L-119E 98+75N	201	---	<	5									
L-119E 99+00N	201	---	<	5									
L-119E 99+25N	201	---	<	5									
L-119E 99+50N	201	---	<	5									
L-119E 100+00N	201	---	<	5									
L-119E 100+25N	201	---	<	5									
L-119E 100+50N	201	---	<	5									
L-119E 100+80N	201	---	<	5									
L-119E 101+00N	201	---	<	5									
L-119E 101+25N	201	---	<	5									
L-119E 101+50N	201	---	<	5									
L-119E 101+75N	201	---	<	5									
L-119E 102+00N	201	---	<	5									
L-119E 102+25N	201	---	<	5									
L-119E 102+50N	201	---	<	5									
L-119E 102+75N	201	---	<	5									
L-119E 102+86N	201	---	<	5									
L-120E 95+29N	201	---	<	5									
L-120E 95+50N	201	---	<	5									
L-120E 95+75N	201	---	<	5									
L-120E 96+00N	201	---	<	5									
L-120E 96+25N	201	---	<	10									
L-120E 96+50N	201	---	<	5									
L-120E 96+75N	201	---	<	5									
L-120E 97+00N	201	---	<	5									
L-120E 97+25N	201	---	<	5									
L-120E 97+50N	201	---	<	5									
L-120E 97+75N	201	---	<	5									
L-120E 98+00N	201	---	<	5									

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118

Comments: ATT N: J. LONDY C.C: G. PIERCE

Page No. : 2
Tot. Pages: 5
Date : 14-JUL-89
Invoice # : I-8919664
P.O. # :

CERTIFICATE OF ANALYSIS A8919664

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA															
L-120E 98+25N	201	--	^^	5														
L-120E 98+50N	201	--	^^	5														
L-120E 98+75N	201	--	^^	5														
L-120E 99+00N	201	--	^^	5														
L-120E 100+25N	201	--	^^	5														
L-120E 100+50N	201	--	^^	5														
L-120E 100+75N	201	--	^^	5														
L-120E 101+00N	201	--	^^	5														
L-120E 101+25N	201	--	^^	5														
L-120E 101+50N	201	--	^^	5														
L-120E 101+75N	201	--	^^	5														
L-120E 102+00N	201	--	^^	5														
L-120E 102+25N	201	--	^^	5														
L-120E 102+50N	201	--	^^	5														
L-120E 102+75N	201	--	^^	5														
L-120E 102+85N	201	--	^^	5														
L-121E 95+25N	201	--	^^	5														
L-121E 95+75N	201	--	^^	5														
L-121E 96+00N	201	--	^^	5														
L-121E 96+25N	201	--	^^	5														
L-121E 96+75N	201	--	^^	5														
L-121E 97+00N	201	--	^^	5														
L-121E 97+25N	201	--	^^	5														
L-121E 97+50N	201	--	^^	5														
L-121E 97+75N	201	--	^^	5														
L-121E 98+05N	201	--	^^	5														
L-121E 98+25N	201	--	^^	5														
L-121E 98+50N	201	--	^^	5														
L-121E 100+00N	201	--	^^	5														
L-121E 100+25N	201	--	^^	5														
L-121E 100+50N	201	--	^^	5														
L-121E 100+75N	201	--	^^	5														
L-121E 101+00N	201	--	^^	5														
L-121E 101+25N	201	--	^^	5														
L-121E 101+75N	201	--	^^	5														
L-121E 102+00N	201	--	^^	5														
L-121E 102+25N	201	--	^^	5														
L-121E 102+75N	201	--	^^	5														
L-121E 102+95N	201	--	^^	5														
L-121+10E 96+50N	201	--	^^	5														

CERTIFICATION : *Theresa Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118

Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 3
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919664
P.O. # :

CERTIFICATE OF ANALYSIS A8919664

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA																
L-121+90E 96+00N	201	--	<	5															
L-122E 95+35N	201	---	<	5															
L-122E 95+50N	201	---	<	5															
L-122E 95+75N	201	---	<	5															
L-122E 96+25N	201	---	<	5															
L-122E 96+50N	201	---	<	5															
L-122E 96+75N	201	---	<	5															
L-122E 97+00N	201	---	<	5															
L-122E 97+25N	201	---	<	5															
L-122E 97+50N	201	---	<	5															
L-122E 97+75N	201	---	<	5															
L-122E 98+00N	201	---	<	5															
L-122E 99+30N	201	---	<	5															
L-122E 99+50N	201	---	<	5															
L-122E 99+75N	201	---	<	5															
L-122E 100+00N	201	---	<	5															
L-122E 100+25N	201	---	<	5															
L-122E 100+55N	201	---	<	5															
L-122E 100+75N	201	---	<	5															
L-122E 101+00N	201	---	<	5															
L-122E 101+25N	201	---	<	5															
L-122E 101+50N	201	---	<	5															
L-122E 101+75N	201	---	<	5															
L-122E 102+00N	201	---	<	5															
L122+90E 107+75N	201	---	<	5															
L-123E 95+00N	201	---	<	5															
L-123E 95+25N	201	---	<	5															
L-123E 95+50N	201	---	<	5															
L-123E 95+75N	201	---	<	5															
L-123E 96+00N	201	---	<	5															
L-123E 96+25N	201	---	<	5															
L-123E 96+50N	201	---	<	5															
L-123E 96+75N	201	---	<	5															
L-123E 97+00N	201	---	<	5															
L-123E 97+20N	201	---	<	5															
L-123E 97+50N	201	---	<	5															
L-123E 97+75N	201	---	<	5															
L-123E 98+00N	201	---	<	5															
L-123E 98+25N	201	---	<	5															
L-123E 98+50N	201	---	<	5															

CERTIFICATION :

Theresa Vink



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: B SOIL - 1118

Comments: ATT'N: J. LONDRY C.C: G. PIERCE

Page No. : 4
 Tot. Pages: 5
 Date : 14-JUL-89
 Invoice # : I-8919664
 P.O. # :

CERTIFICATE OF ANALYSIS A8919664

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
L-123E 98+75N	201	--	10									
L-123E 99+00N	201	---	10									
L-123E 99+25N	201	---	< 5									
L-123E 99+50N	201	---	<< 5									
L-123E 99+75N	201	---	<< 5									
L-123E 100+00N	201	---	<< 5									
L-123E 100+50N	201	---	<< 5									
L-123E 100+85N	201	---	<< 5									
L-123E 101+00N	201	---	<< 5									
L-123E 101+25N	201	---	<< 5									
L-123E 101+50N	201	---	< 5									
L-123E 101+80N	201	---	< 5									
L-123E 102+00N	201	---	<< 5									
L-123E 102+25N	201	---	<< 5									
L-123E 102+50N	201	---	<< 5									
L-123E 102+75N	201	---	10									
L-123E 103+00N	201	---	<< 5									
L-123E 103+50N	201	---	<< 5									
L-123E 104+00N	201	---	<< 5									
L-123E 104+25N	201	---	<< 5									
L-123E 104+50N	201	---	< 5									
L-123E 104+75N	201	---	15									
L-123E 105+25N	201	---	<< 5									
L-123E 105+75N	201	---	<< 5									
L-123E 106+25N	201	---	<< 5									
L-123E 106+50N	201	---	<< 5									
L-123E 106+75N	201	---	<< 5									
L-123E 107+00N	201	---	<< 5									
L-123E 107+25N	201	---	<< 5									
L-123E 108+00N	201	---	<< 5									
L-123E 108+25N	201	---	<< 5									
L-123E 108+50N	201	---	<< 5									
L-123E 109+00N	201	---	<< 5									
L123+05E 105+00N	201	---	<< 5									
L123+10E 100+25N	201	---	<< 5									
L-124E 95+10N	201	---	<< 5									
L-124E 96+25N	201	---	<< 5									
L-124E 96+50N	201	---	<< 5									
L-124E 96+75N	201	---	<< 5									
L-124E 97+00N	201	---	<< 5									

CERTIFICATION :

Heck Vonk



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2EO

Project: B 8011 - 1118

Comments: ATT'N: J. LONDREY C.C: G. PIERCE

Page No. : 5
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919664
P.O. # :

CERTIFICATE OF ANALYSIS A8919664

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L-124E 97+25N	201	---	<	5								
L-124E 97+43N	201	---	<	5								
L-124E 97+75N	201	---	<	5								
L-124E 98+00N	201	---	<	5								
L-124E 98+50N	201	---		60								
L-124E 98+75N	201	---	<	5								
L-124E 99+00N	201	---	<	5								
L-124E 99+50N	201	---	<	5								
L-124E 99+75N	201	---	<	5								
L-124E 100+00N	201	---	<	5								
L-124E 100+25N	201	---	<	5								
L-124E 100+50N	201	---	<	5								
L-124E 100+75N	201	---	<	5								
L-124E 101+25N	201	---	<	5								
L-124E 102+00N	201	---	<	5								
L-124E 102+25N	201	---	<	5								
L-124E 102+50N	201	---	<	5								
L-124E 102+75N	201	---	<	5								
L-124E 103+25N	201	---	<	5								
L-124E 103+75N	201	---	<	5								
L124+15E 103+00N	---	---	-----									

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118
Comments: ATT'N: J. LONDY, C.C.: G. PIERCE

Page No. : 1
Tot. Pages: 4
Date : 25-JUL-89
Invoice #: 1-8920812
P.O. # :

CERTIFICATE OF ANALYSIS A8920812

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA																		
BLO 24+25E	201	--	^^	5																	
BLO 24+50E	201	--	^^	5																	
BLO 25+00E	201	--	^^	5																	
BLO 25+50E	201	--	^^	5																	
BLO 25+75E	201	--	^^	5																	
BLO 26+00E	201	--	^^	5																	
BLO 26+25E	201	--	^^	5																	
BLO 26+50E	201	--	^^	5																	
BLO 26+75E	201	--	^^	5																	
BLO 27+00E	217	--	^^	5																	
BLO 27+25E	201	--	^^	5																	
BLO 27+50E	201	--	^^	5																	
BLO 27+75E	201	--	^^	5																	
BLO 28+00E	201	--	^^	5																	
BLO 28+25E	201	--	^^	5																	
BLO 28+50E	201	--	^^	5																	
BLO 28+75E	201	--	^^	5																	
BLO 29+25E	201	--	^^	5																	
BLO 29+75E	201	--	^^	5																	
BLO 30+00E	201	--	^^	5																	
BLO 30+25E	201	--	^^	5																	
BLO 31+25E	201	--	^^	5																	
BLO 31+50E	201	--	^^	5																	
BLO 31+75E	201	--	^^	5																	
BLO 32+00E	201	--	^^	5																	
BLO 32+25E	201	--	^^	5																	
BLO 32+50E	217	--	^^	5																	
BLO 32+75E	201	--	^^	5																	
BLO 33+00E	201	--	^^	5																	
BLO 33+25E	201	--	^^	5																	
BLO 33+50E	201	--	^^	5																	
BLO 33+75E	201	--	^^	5																	
BLO 34+00E	201	--	^^	5																	
BLO 34+25E	201	--	^^	5																	
BLO 34+50E	201	--	^^	5																	
BLO 34+75E	201	--	^^	5																	
BLO 35+00E	201	--	^^	5																	
BLO 35+25E	201	--	^^	5																	
BLO 35+50E	201	--	^^	5																	
BLO 35+75E	217	--	^^	5																	

CERTIFICATION :

Mark Vonn



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD, E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1114
 Comments: ATT'N: J LONDRY, C.C: G. PIERCE

Page No. : 2
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice # : I-8920812
 P.O. # :

CERTIFICATE OF ANALYSIS A8920812

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
BLO 36+00E	201	---	<	5									
BLO 36+25E	217	---	>	5									
BLO 36+50E	201	---	>	5									
BLO 36+75E	217	---	>	5									
BLO 38+50E	201	---	<	5									
BLO 38+75E	201	---	>	5									
BLO 39+00E	201	---	>	5									
BLO 39+25E	201	---	>	5									
BLO 39+50E	217	---	>	5									
BLO 39+75E	217	---	>	5									
BLO 40+00E	217	---	<	10									
BLO 40+25E	201	---	>	5									
BLO 40+50E	201	---	>	5									
BLO 40+75E	201	---	>	5									
BLO 41+00E	201	---	>	5									
BLO 41+25E	201	---	>	5									
BLO 41+50E	201	---	>	5									
BLO 41+75E	201	---	>	5									
BLO 42+00E	201	---	>	5									
BLO 42+25E	201	---	>	5									
BLO 42+50E	201	---	>	5									
BL10N 24+25E	201	---	>	5									
BL10N 48+25E	201	---	>	5									
BL10N 48+50E	201	---	>	5									
BL10N 48+75E	201	---	>	5									
BL10N 49+00E	201	---	>	5									
BL10N 49+25E	201	---	>	5									
BL10N 49+75E	217	---	>	5									
BL10N 50+00E	201	---	>	5									
BL10N 50+25E	201	---	>	5									
BL10N 50+50E	201	---	>	5									
BL10N 50+75E	201	---	>	5									
BL10N 51+00E	201	---	>	5									
BL10N 51+25E	201	---	>	5									
BL10N 51+75E	201	---	>	5									
BL10N 52+75E	201	---	>	5									
BL1 53+50E	201	---	>	5									
BL1 53+75E	217	---	>	5									
BL10N 54+50E	217	---	>	5									
BL10N 54+75E	201	---	>	5									

CERTIFICATION : *Mark Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 3
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice #: I-8920812
 P.O. # :

CERTIFICATE OF ANALYSIS A8920812

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA								
BL10N 55+00E	201	---	<	5							
BL10N 55+25E	201	---	<	5							
BL10N 55+50E	201	---	<	5							
BL10N 55+75E	201	---	<	5							
BL10N 56+00E	201	---	<	5							
BL10N 56+75E	201	---	<	5							
BL10N 57+00E	201	---	<	5							
BL10N 57+25E	201	---	<	5							
BL10N 57+50E	201	---	<	5							
BL10N 57+75E	201	---	<	10							
BL10N 58+00E	201	---	<	5							
BL10N 58+25E	201	---	<	5							
BL10N 59+00E	201	---	<	5							
BL10N 59+25E	201	---	<	5							
BL10N 59+50E	201	---	<	5							
BL10N 59+75E	201	---	<	35							
BL10N 60+00E	201	---	<	5							
BL10N 60+25E	201	---	<	5							
BL10N 60+75E	201	---	<	5							
BL10N 61+25E	201	---	<	5							
BL10N 61+50E	201	---	<	5							
BL10N 61+75E	201	---	<	5							
BL10N 62+00E	201	---	<	5							
BL10N 62+25E	201	---	<	5							
BL10N 62+75E	201	---	<	5							
BL10N 63+00E	201	---	<	5							
BL10N 63+25E	201	---	<	5							
BL10N 63+75E	201	---	<	5							
BL10N 64+00E	201	---	<	5							
BL10N 64+25E	201	---	<	5							
BL10N 65+00E	201	---	<	5							
BL10N 65+25E	201	---	<	5							
BL10N 65+50E	201	---	<	5							
BL10N 66+00E	201	---	<	5							
BL10N 66+25E	201	---	<	5							
BL10N 66+50E	201	---	<	5							
BL10N 66+75E	201	---	<	5							
BL10N 67+00E	201	---	<	5							
BL10N 67+25E	201	---	<	5							
BL10N 67+50E	201	---	<	5							

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 4
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice # : 1-8920812
 P.O. # :

CERTIFICATE OF ANALYSIS A8920812

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA								
BL10N 67+75E	201	---	<	5							
BL10N 68+00E	201	---	<	5							
L28E 0+50N	201	---	<	5							
L28E 0+75N	217	---	<	5							
L28E 1+00N	201	---	<	5							
L28E 1+25N	201	---	<	5							
L28E 1+50N	201	---	<	5							
L28E 1+75N	201	---	<	5							
L28E 2+00N	217	---	<	5							
L28E 2+25N	201	---	<	5							
L28E 2+75N	201	---	<	5							
L28E 3+00N	201	---	<	5							
L28E 3+25N	201	---	<	5							
L28E 3+50N	217	---	<	10							
L28E 3+75N	201	---	<	5							
L28E 4+00N	201	---	<	5							
L28E 4+50N	201	---	<	5							
L28E 4+75N	203	---	<	5							
L28E 5+00N	201	---	<	5							
L28E 5+25N	201	---	<	5							
L28E 5+50N	201	---	<	5							
L28E 5+75N	201	---	<	5							
L28E 6+00N	201	---	<	5							
L28E 6+25N	201	---	<	5							
L28E 6+50N	201	---	<	5							
L28E 6+75N	201	---	<	5							
L28E 7+00N	201	---	<	5							
L28E 7+50N	201	---	<	5							
L28E 7+75N	201	---	<	5							
L28E 8+00N	201	---	<	10							
L28E 0+25S	217	---	<	5							
L28E 0+50S	201	---	<	5							
L28E 0+75S	201	---	<	5							
L28E 1+00S	203	---	<	5							
L28E 1+25S	201	---	<	5							
L28E 1+50S	217	---	<	5							
L28E 1+75S	201	---	<	5							
L28E 2+00S	203	---	<	5							

CERTIFICATION : *Mark Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 1
 Tot. Pages: 5
 Date : 25-JUL-89
 Invoice # : I-8920816
 P.O. # :

CERTIFICATE OF ANALYSIS A8920816

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
L64E 8+50N	201	--	<	5									
L64E 8+75N	201	---	<	5									
L64E 9+00N	201	---	<	5									
L64E 9+25N	201	---	<	5									
L64E 9+50N	201	---	<	5									
L64E 9+75N	201	---	<	5									
L64E 10+25N	201	---	<	5									
L64E 10+50N	201	---	<	5									
L64E 10+75N	201	---	<	5									
L64E 11+00N	201	---	<	5									
L64E 11+50N	217	---	<	5									
L65E 8+50N	201	---	<	5									
L65E 8+75N	201	---	<	5									
L65E 9+00N	201	---	<	5									
L65E 9+25N	201	---	<	5									
L65E 9+50N	201	---	<	5									
L65E 9+75N	201	---	<	5									
L65E 10+25N	201	---	<	5									
L65E 10+50N	201	---	<	5									
L65E 10+75N	201	---	<	5									
L65E 11+00N	201	---	<	5									
L65E 11+25N	201	---	<	5									
L65E 11+50N	201	---	<	5									
L66E 8+50N	201	---	<	5									
L66E 8+75N	201	---	<	5									
L66E 9+25N	201	---	<	5									
L66E 9+50N	201	---	<	5									
L66E 9+75N	201	---	<	5									
L66E 10+25N	201	---	<	5									
L66E 10+50N	201	---	<	5									
L66E 10+75N	201	---	<	120									
L66E 11+00N	201	---	<	5									
L66E 11+25N	201	---	<	5									
L66E 11+50N	201	---	<	5									
L66E 11+75N	201	---	<	5									
L66E 12+00N	201	---	<	5									
L67E 8+50N	201	---	<	5									
L67E 8+75N	201	---	<	5									
L67E 9+00N	201	---	<	5									
L67E 9+25N	201	---	<	5									

CERTIFICATION : *Shuk Vomh*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5

PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 2
Tot. Pages: 5
Date : 25-JUL-89
Invoice #: I-8920816
P.O. # :

CERTIFICATE OF ANALYSIS A8920816

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA												
L67E 9+50N	201	--	<	5										
L67E 9+75N	201	--	<	5										
L67E 10+25N	201	--	<	5										
L67E 10+50N	201	--	<	5										
L67E 10+75N	201	--	<	5										
L67E 11+00N	201	--	<	5										
L67E 11+25N	201	--	<	5										
L67E 11+50N	201	--	<	5										
L67E 11+75N	201	--	<	5										
L67E 12+00N	201	--	<	5										
L68E 9+00N	201	--	<	5										
L68E 9+25N	201	--	<	5										
L68E 9+50N	201	--	<	5										
L68E 9+75N	201	--	<	5										
L68E 10+25N	201	--	<	5										
L68E 10+75N	201	--	<	5										
L68E 11+00N	201	--	<	5										
L68E 11+25N	201	--	<	5										
L68E 11+75N	201	--	<	5										
L68E 12+00N	201	--	<	5										
BL100S 42+00E	217	--	<	5										
BL100S 42+25E	201	--	<	5										
BL100S 42+50E	217	--	<	5										
BL100S 42+75E	201	--	<	10										
BL100S 43+00E	217	--	<	5										
BL100S 43+25E	217	--	<	10										
BL100S 43+50E	201	--	<	5										
BL100S 43+75E	201	--	<	5										
BL100S 44+00E	201	--	<	5										
BL100S 44+25E	201	--	<	5										
BL100S 44+50E	201	--	<	5										
BL100S 44+75E	201	--	<	5										
BL100S 45+00E	201	--	<	10										
L125E 0+25N	201	--	<	5										
L125E 0+50N	201	--	<	5										
L125E 0+75N	201	--	<	5										
L125E 1+25N	201	--	<	5										
L125E 1+50N	201	--	<	5										
L125E 1+75N	201	--	<	5										
L125E 2+00N	201	--	<	5										

CERTIFICATION :

John V. Moran



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD, E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDRY, C C: G. PIERCE

Page No. : 3
 Tot. Pages: 5
 Date : 25-JUL-89
 Invoice # : 1-8920816
 P.O. # :

CERTIFICATE OF ANALYSIS A8920816

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
L125E 2+25N	201	--	^	5									
L125E 2+75N	201	--	^	5									
L125E 3+00N	201	--	^	5									
L125E 3+25N	201	--	^	5									
L125E 3+50N	201	--	^	5									
L125E 3+75N	201	--	^	5									
L125E 4+25N	201	--	^	5									
L125E 5+50N	201	--	^	5									
L125E 6+00N	201	--	^	5									
L125E 6+25N	201	--	^	5									
L125E 6+50N	201	--	^	5									
L125E 6+75N	201	--	^	5									
L125E 7+00N	201	--	^	5									
L125E 7+75N	201	--	^	5									
L125E 8+00N	201	--	^	5									
L125E 0+25S	201	--	^	5									
L125E 0+50S	217	--	^	5									
L125E 0+75S	217	--	^	5									
L125E 1+00S	201	--	^	5									
L125E 1+25S	201	--	^	5									
L125E 1+50S	201	--	^	5									
L125E 1+75S	201	--	^	5									
L125E 2+00S	201	--	^	5									
L125E 2+25S	201	--	^	5									
L125E 2+50S	201	--	^	5									
L125E 2+75S	201	--	^	5									
L125E 3+00S	201	--	^	5									
L125E 3+25S	201	--	^	5									
L125E 3+50S	201	--	^	5									
L125E 3+75S	201	--	^	5									
L125E 4+00S	201	--	^	5									
L125E 4+25S	201	--	^	5									
L125E 4+50S	201	--	^	5									
L126E 0+25N	201	--	^	5									
L126E 0+50N	201	--	^	5									
L126E 0+75N	201	--	^	5									
L126E 1+00N	201	--	^	5									
L126E 1+25N	201	--	^	5									
L126E 1+50N	201	--	^	5									
L126E 1+75N	201	--	^	5									

CERTIFICATION : *Mark Vinson*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 4
 Tot. Pages: 5
 Date : 25-JUL-89
 Invoice #: 1-8920816
 P.O. # :

CERTIFICATE OF ANALYSIS A8920816

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA									
L126E 2+00N	201	---	<	5								
L126E 2+25N	201	---	<	5								
L126E 2+50N	201	---	<	5								
L126E 2+75N	201	---	<	5								
L126E 3+00N	201	---	<	5								
L126E 3+25N	201	---	<	5								
L126E 3+75N	217	---	<	5								
L126E 4+00N	201	---	<	5								
L126E 4+25N	201	---	<	5								
L126E 4+50N	217	---	<	5								
L126E 4+75N	201	---	<	5								
L126E 5+25N	201	---	<	5								
L126E 5+50N	217	---	<	5								
L126E 6+00N	201	---	<	5								
L126E 6+25N	201	---	<	5								
L126E 6+50N	217	---	<	5								
L126E 6+75N	201	---	<	5								
L126E 7+25N	201	---	<	5								
L126E 7+75N	201	---	<	5								
L126E 0+25S	201	---	<	5								
L126E 0+50S	201	---	<	5								
L126E 0+75S	201	---	<	5								
L126E 1+00S	201	---	<	5								
L126E 1+25S	201	---	<	10								
L126E 1+50S	201	---	<	5								
L126E 1+75S	201	---	<	5								
L126E 2+00S	201	---	<	5								
L126E 2+25S	201	---	<	5								
L126E 2+50S	201	---	<	5								
L126E 2+75S	201	---	<	5								
L126E 3+00S	201	---	<	5								
L126E 3+25S	201	---	<	15								
L126E 3+50S	201	---	<	5								
L126E 3+75S	201	---	<	5								
L126E 4+00S	201	---	<	5								
L126E 4+25S	201	---	<	5								
L126E 4+50S	201	---	<	5								
L126E 0+25N	201	---	<	5								
L127E 0+50N	201	---	<	5								
L127E 0+75N	201	---	<	5								

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATT'N: J. LONDY, C C: G. PIERCE

Page No. : 5
 Tot. Pages: 5
 Date : 25-JUL-89
 Invoice #: I-8920816
 P.O. # :

CERTIFICATE OF ANALYSIS A8920816

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA												
L127E 1+00N	201	---	<	5										
L127E 1+25N	201	---	<	5										
L127E 1+75N	201	---	<	5										
L127E 2+00N	201	---	<	5										
L127E 2+25N	201	---	<	5										
L127E 2+50N	201	---	<	5										
L127E 2+75N	201	---	<	5										
L127E 3+00N	201	---	<	5										
L127E 3+25N	201	---	<	5										
L127E 3+50N	201	---	<	5										
L127E 3+75N	201	---	<	5										
L127E 4+00N	201	---	<	5										
L127E 4+25N	201	---	<	10										
L127E 4+50N	201	---	<	5										
L127E 4+75N	201	---	<	5										
L127E 5+00N	201	---	<	5										
L127E 5+25N	201	---	<	5										
L127E 5+50N	201	---	<	5										
L127E 5+75N	201	---	<	5										
L127E 7+00N	201	---	<	5										
L127E 7+25N	201	---	<	5										
L127E 7+50N	201	---	<	5										
L127E 7+75N	217	---	<	5										
L127E 0+25S	217	---	<	5										
L127E 0+50S	201	---	<	5										
L127E 0+75S	201	---	<	5										
L127E 1+00S	201	---	<	15										
L127E 1+25S	201	---	<	5										
L127E 1+50S	217	---	<	5										
L127E 3+50S	201	---	<	5										
L127E 3+75S	201	---	<	20										
L127E 4+00S	201	---	<	5										
L127E 4+25S	201	---	<	5										
L127E 4+50S	201	---	<	5										

CERTIFICATION :

Shelby Vonn



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 1
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice #: I-8920814
 P.O. # :

CERTIFICATE OF ANALYSIS A8920814

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA									
L49E 4+2 5N	201	---	<	5								
L49E 4+5 0N	201	---	<	5								
L49E 4+7 5N	201	---	<	5								
L49E 5+0 0N	201	---	<	5								
L49E 5+2 5N	217	---	<	5								
L49E 5+5 0N	217	---	<	5								
L49E 5+7 5N	201	---	<	5								
L49E 6+0 0N	201	---	<	5								
L49E 6+2 5N	201	---	<	5								
L49E 6+5 0N	201	---	<	5								
L49E 6+7 5N	217	---	<	5								
L49E 7+0 0NA	201	---	<	5								
L49E 7+0 0NB	201	---	<	5								
L49E 7+2 5NA	201	---	<	5								
L49E 7+2 5NB	201	---	<	5								
L49E 7+5 0N	201	---	<	5								
L49E 7+7 5N	201	---	<	5								
L49E 8+0 0N	201	---	<	5								
L49E 8+2 5N	201	---	<	5								
L49E 8+5 0N	201	---	<	5								
L49E 8+7 5N	217	---	<	5								
L49E 9+0 0N	201	---	<	10								
L49E 9+2 5N	201	---	<	5								
L49E 9+5 0N	201	---	<	5								
L49E 10+2 5N	201	---	<	5								
L49E 10+5 0N	217	---	<	5								
L49E 10+7 5N	217	---	<	10								
L49E 11+0 0N	201	---	<	5								
L49E 11+2 5N	201	---	<	5								
L49E 0+2 5S	217	---	<	5								
L49E 0+5 0S	201	---	<	5								
L49E 0+7 5S	201	---	<	5								
L49E 1+0 0S	217	---	<	10								
L51E 4+0 0N	201	---	<	5								
L51E 4+2 5N	201	---	<	5								
L51E 4+5 0N	201	---	<	5								
L51E 4+7 5N	201	---	<	5								
L51E 5+0 0N	201	---	<	5								
L51E 5+2 5N	201	---	<	5								
L51E 5+5 0N	201	---	<	5								

CERTIFICATION : *Theresa Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C C: G. PIERCE

Page No. : 2
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice # : I-8920814
 P.O. # :

CERTIFICATE OF ANALYSIS A8920814

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA							
L51E 6+00N	201 ---	< 5							
L51E 6+25N	201 ---	< 5							
L51E 6+50N	201 ---	< 5							
L51E 6+75N	201 ---	< 5							
L51E 7+00N	217 ---	< 5							
L51E 7+25N	201 ---	10							
L51E 7+50N	201 ---	< 5							
L51E 7+75N	201 ---	< 5							
L51E 8+00N	201 ---	< 5							
L51E 8+25N	201 ---	< 5							
L51E 8+50N	201 ---	< 5							
L51E 8+75N	201 ---	10							
L51E 9+00N	217 ---	< 5							
L51E 9+25N	217 ---	< 5							
L51E 10+25N	201 ---	< 5							
L51E 10+50N	201 ---	< 5							
L51E 10+75N	201 ---	< 5							
L51E 11+00N	201 ---	< 5							
L51E 11+25N	201 ---	< 5							
L53E 6+00N	201 ---	< 5							
L53E 6+25N	217 ---	< 5							
L53E 7+00N	201 ---	< 5							
L53E 7+25N	217 ---	< 5							
L53E 7+50N	201 ---	< 5							
L53E 7+75N	201 ---	< 5							
L53E 8+00N	217 ---	< 5							
L53E 8+25N	201 ---	< 5							
L53E 8+50N	201 ---	< 5							
L53E 8+75N	201 ---	< 5							
L53E 9+00N	201 ---	< 5							
L53E 9+25N	201 ---	< 5							
L53E 9+50N	201 ---	< 5							
L53E 9+75N	201 ---	< 5							
L53E 10+25N	201 ---	< 5							
L53E 10+50N	201 ---	< 5							
L53E 10+75N	201 ---	< 5							
L53E 11+00N	201 ---	< 5							
L53E 11+25N	201 ---	< 5							
L53E 11+50N	201 ---	< 5							
L54E 4+00N	201 ---	< 5							

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDY, C.C: G. PIERCE

Page No. : 3
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice # : 1-8920814
 P.O. # :

CERTIFICATE OF ANALYSIS A8920814

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
L54E 4+75N	201	---	<	S									
L54E 5+00N	201	---	<	S									
L54E 5+25N	201	---	<	S									
L54E 5+50N	201	---	<	S									
L54E 5+75N	201	---	<	S									
L54E 6+00N	201	---	<	S									
L54E 6+25N	201	---	<	S									
L54E 6+50N	201	---	<	S									
L54E 6+75N	201	---	<	S									
L54E 7+00N	201	---	<	S									
L54E 7+25N	217	---	<	S									
L54E 7+50N	201	---	<	S									
L54E 7+75N	201	---	<	S									
L54E 8+00N	201	---	<	S									
L54E 8+25N	201	---	<	S									
L54E 8+50N	201	---	<	S									
L54E 8+75N	201	---	<	S									
L54E 9+25N	217	---	<	S									
L54E 9+50N	201	---	<	S									
L54E 9+75N	217	---	<	S									
L54E 10+25N	201	---	<	S									
L54E 10+50N	217	---	<	S									
L59E 8+25N	201	---	<	S									
L59E 8+50N	201	---	<	S									
L59E 8+75N	201	---	<	S									
L59E 9+00N	201	---	<	S									
L59E 9+25N	217	---	<	S									
L59E 9+50N	217	---	<	S									
L59E 9+75N	217	---	<	S									
L59E 10+25N	201	---	<	S									
L59E 10+50N	201	---	<	S									
L59E 10+75N	201	---	<	S									
L59E 11+00N	201	---	<	S									
L59E 11+25N	201	---	<	S									
L60E 8+50N	201	---	<	S									
L60E 8+75N	201	---	<	S									
L60E 9+00N	201	---	<	S									
L60E 9+25N	201	---	<	S									
L60E 9+75N	201	---	<	S									
L60E 10+25N	201	---	<	S									

CERTIFICATION : *John Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT N: J. LONDY, C.C: G. PIERCE

Page No. : 4
 Tot. Pages: 4
 Date : 25-JUL-89
 Invoice # : I-8920814
 P.O. # :

CERTIFICATE OF ANALYSIS A8920814

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
L60E 10+75N	217	--	<	5									
L60E 11+00N	201	--	<	5									
L60E 11+25N	201	--	<	5									
L60E 11+50N	201	--	<	5									
L61E 8+50N	201	--	<	5									
L61E 8+75N	201	--	<	5									
L61E 9+00N	201	--	<	5									
L61E 9+25N	201	--	<	5									
L61E 9+50N	201	--	<	2.5									
L61E 9+75N	201	--	<	5									
L61E 10+25N	201	--	<	5									
L61E 10+50N	201	--	<	5									
L61E 10+75N	201	--	<	5									
L61E 11+00N	201	--	<	5									
L61E 11+25N	201	--	<	5									
L61E 11+50N	201	--	<	5									
L62E 8+50N	201	--	<	5									
L62E 9+00N	201	--	<	10									
L62E 9+25N	201	--	<	5									
L62E 9+75N	201	--	<	5									
L62E 10+25N	201	--	<	5									
L62E 10+50N	201	--	<	5									
L62E 10+75N	201	--	<	5									
L62E 11+00N	201	--	<	5									
L62E 11+25N	201	--	<	5									
L63E 8+25N	201	--	<	5									
L63E 8+50N	201	--	<	5									
L63E 8+75NA	201	--	<	5									
L63E 8+75NB	201	--	<	5									
L63E 9+00N	201	--	<	5									
L63E 9+25N	201	--	<	5									
L63E 9+50N	201	--	<	5									
L63E 10+25N	201	--	<	5									
L63E 10+50N	201	--	<	5									
L63E 10+75N	201	--	<	5									
L63E 11+00N	201	--	<	5									
L63E 11+25N	201	--	<	5									
L63E 11+50N	201	--	<	10									

CERTIFICATION :

Thick Vork



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 1
 Tot. Pages: 4
 Date : 24-JUL-89
 Invoice #: I-8920813
 P.O. # :

CERTIFICATE OF ANALYSIS A8920813

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA									
L28E 2+25S	201	---	not / ss									
L29E 0+75N	201	---	<	S								
L29E 1+00N	201	---	<	S								
L29E 1+25N	201	---	<	S								
L29E 1+50N	217	---	<	S								
L29E 2+25N	201	---	<	S								
L29E 2+50N	201	---	<	S								
L29E 2+75N	201	---	<	S								
L29E 3+00N	201	---	<	S								
L29E 3+25N	201	---	<	S								
L29E 3+50N	201	---	<	S								
L29E 4+00N	201	---	<	S								
L29E 4+75N	217	---	<	S								
L29E 5+50N	201	---	<	S								
L29E 5+75N	201	---	<	S								
L29E 6+25N	201	---	<	S								
L29E 6+50N	201	---	<	S								
L29E 6+75N	201	---	<	S								
L29E 7+00N	201	---	<	S								
L29E 7+50N	201	---	<	S								
L29E 7+75N	201	---	<	S								
L29E 8+00N	201	---	<	S								
L29E 0+25S	201	---	<	S								
L29E 0+50S	201	---	<	S								
L29E 0+75S	201	---	<	S								
L29E 1+25S	201	---	<	S								
L29E 1+50S	201	---	<	S								
L29E 1+75S	201	---	<	S								
L29E 2+00S	201	---	<	S								
L29E 2+25S	217	---	<	S								
L30E 0+25N	201	---	<	S								
L30E 1+00N	217	---	<	S								
L30E 1+25N	201	---	<	S								
L30E 1+50N	201	---	<	S								
L30E 1+75N	201	---	<	S								
L30E 2+00N	201	---	<	S								
L30E 2+25N	201	---	<	S								
L30E 2+50N	201	---	<	S								
L30E 2+75N	201	---	<	S								
L30E 3+25N	201	---	<	S								

CERTIFICATION : *Theresa Vonk*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 2
 Tot. Pages: 4
 Date : 24-JUL-89
 Invoice #: 1-8920813
 P.O. # :

CERTIFICATE OF ANALYSIS A8920813

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA												
L30E 3+50N	201	--	<	S											
L30E 3+75N	201	--	<	S											
L30E 4+00N	201	--	<	S											
L30E 4+25N	201	--	<	S											
L30E 4+50N	201	--	<	S											
L30E 4+75N	201	--	<	S											
L30E 5+00N	201	--	<	S											
L30E 5+25N	201	--	<	S											
L30E 5+75N	201	--	<	S											
L30E 6+00N	201	--	<	S											
L30E 6+25N	201	--	<	S											
L30E 6+75N	201	--	<	S											
L30E 7+00N	201	--	<	S											
L30E 7+25N	201	--	<	S											
L30E 7+50N	201	--	<	S											
L30E 7+75N	201	--	<	S											
L30E 8+00N	217	--	<	S											
L30E 0+25S	201	--	<	S											
L30E 0+50S	201	--	<	S											
L30E 0+75S	201	--	<	S											
L30E 1+00S	217	--	<	S											
L30E 1+25S	217	--	<	S											
L30E 1+75S	201	--	<	S											
L30E 2+25S	201	--	<	S											
L31E 1+00N	201	--	<	S											
L31E 2+25N	217	--	<	S											
L31E 2+50N	201	--	<	S											
L31E 2+75N	201	--	<	S											
L31E 3+25N	201	--	<	S											
L31E 3+50N	201	--	<	S											
L31E 4+00N	201	--	<	S											
L31E 4+25N	201	--	<	S											
L31E 4+50N	201	--	<	S											
L31E 4+75N	201	--	<	S											
L31E 5+00N	201	--	<	S											
L31E 5+25N	201	--	<	S											
L31E 5+50N	201	--	<	10											
L31E 5+75N	201	--	<	S											
L31E 6+00N	201	--	<	S											
L31E 6+25N	201	--	<	S											

CERTIFICATION : Shuk Vohra



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0110

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118

Comments: ATT'N: J. LONDRY. C.C: G. PIERCE

Page No. : 3
Tot. Pages: 4
Date : 24-JUL-89
Invoice # : I-8920813
P.O. # :

CERTIFICATE OF ANALYSIS A8920813

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA												
L31E 6+50N	201	---	<	5										
L31E 6+75N	201	---	<	5										
L31E 7+00N	201	---	<	5										
L31E 7+50N	201	---	<	5										
L31E 7+75N	201	---	<	5										
L31E 8+00N	217	---	<	5										
L31E 0+50S	217	---	<	5										
L31E 0+75S	201	---	<	5										
L31E 1+00S	201	---	<	5										
L31E 1+25S	201	---	<	10										
L31E 1+50S	201	---	<	5										
L31E 1+75S	201	---	<	20										
L31E 2+00S	201	---	<	5										
L31E 2+25S	201	---	<	5										
L31E 2+50S	201	---	<	5										
L31E 2+75S	201	---	<	30										
L46E 0+00	201	---	<	10										
L46E 0+25N	217	---	<	5										
L46E 0+50N	201	---	<	10										
L46E 0+75N	201	---	<	5										
L46E 1+00N	201	---	<	20										
L46E 1+25N	217	---	<	10										
L46E 1+50N	201	---	<	10										
L46E 1+75N	217	---	<	5										
L46E 2+00N	201	---	<	5										
L46E 2+25N	201	---	<	5										
L46E 2+50N	201	---	<	5										
L46E 2+75N	201	---	<	5										
L46E 3+00N	201	---	<	5										
L46E 3+25N	201	---	<	5										
L46E 3+50N	217	---	<	5										
L46E 3+75N	201	---	<	5										
L46E 4+00N	201	---	<	5										
L46E 4+25N	217	---	<	5										
L46E 4+50N	201	---	<	5										
L46E 4+75N	201	---	<	5										
L46E 5+00N	217	---	<	5										
L46E 5+25N	201	---	<	5										
L46E 5+50N	201	---	<	5										
L46E 5+75N	217	---	<	5										

CERTIFICATION :

Frank Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118

Comments: ATT'N: J. LONDRY, C.C: G. PIERCE

Page No. : 4
Tot. Pages: 4
Date : 24-JUL-89
Invoice #: I-8920813
P.O. # :

CERTIFICATE OF ANALYSIS A8920813

SAMPLE DESCRIPTION	PREP CODE		Au ppb															
			FA+AA															
L46E 6+00N	217	---	^^	5														
L46E 6+25N	217	---	^^	5														
L46E 6+50N	201	---	^^	5														
L46E 6+75N	201	---	^^	5														
L46E 7+00N	201	---	^^	5														
L46E 7+25N	201	---	^^	5														
L46E 7+50N	201	---	^^	5														
L46E 7+75N	201	---	^^	5														
L46E 8+00N	201	---	^^	5														
L46E 8+25N	201	---	^^	5														
L46E 8+50N	201	---	^^	5														
L46E 8+75N	201	---	^^	5														
L46E 9+00N	201	---	^^	5														
L46E 9+25N	201	---	^^	5														
L46E 9+50N	201	---	^^	5														
L46E 9+75N	201	---	^^	5														
L46E 10+00N	201	---	^^	5														
L46E 10+25N	201	---	^^	5														
L46E 10+50N	217	---	^^	5														
L46E 10+75N	201	---	^^	5														
L46E 0+25S	201	---	^^	5														
L46E 0+50S	201	---	^^	5														
L46E 0+75S	201	---	^^	5														
L49E 0+00	201	---	^^	5														
L49E 0+25N	217	---	^^	5														
L49E 0+50N	201	---	^^	5														
L49E 0+75N	201	---	^^	5														
L49E 1+00N	201	---	^^	5														
L49E 1+25N	201	---	^^	5														
L49E 1+50N	201	---	^^	5														
L49E 1+75N	217	---	^^	5														
L49E 2+00N	201	---	^^	5														
L49E 2+25N	201	---	^^	5														
L49E 2+50N	201	---	^^	5														
L49E 2+75N	201	---	^^	5														
L49E 3+00N	217	---	^^	5														
L49E 3+25N	201	---	^^	5														
L49E 3+50N	217	---	^^	5														
L49E 3+75N	217	---	^^	5														
L49E 4+00N	201	---	^^	5														

CERTIFICATION : *Frank Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHEWSON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z 1R5
PHONE (416) 890-0110

To NORANDA EXPLORATION CO., LTD.

BAO SERVICE #8
MARATHON, ON.
POT 280

Project : 1111
Comments: ATN: J LONNY CU; G. PIERCH

Page No. 1
Tot. Pages: 1
Date : 24-JUL-89
Invoice #: I-8920750
P.O. #

CERTIFICATE OF ANALYSIS A8920750

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L103B 105+50N	201	---	VVVVVV	SSSSSS							
L103B 105+75N	201	---	VVVVVV	SSSSSS							
L103B 106+25N	201	---	VVVVVV	SSSSSS							
L103B 106+50N	201	---	VVVVVV	SSSSSS							
L103B 106+75N	201	---	VVVVVV	SSSSSS							
L103B 107+25N	201	---	VVVVVV	SSSSSS							
L103B 107+75N	201	---	VVVVVV	SSSSSS							
L103B 108+25N	201	---	VVVVVV	SSSSSS							
L103B 108+50N	201	---	VVVVVV	SSSSSS							
L103B 108+75N	201	---	VVVVVV	SSSSSS							
L103B 109+00N	201	---	VVVVVV	SSSSSS							
L103B 109+25N	201	---	VVVVVV	SSSSSS							
L103B 109+50N	201	---	VVVVVV	SSSSSS							
L103B 109+75N	201	---	VVVVVV	SSSSSS							
L103B 110+75N	201	---	VVVVVV	SSSSSS							
L103B 111+25N	201	---	VVVVVV	SSSSSS							
L103B 111+50N	201	---	VVVVVV	SSSSSS							
L103B 112+00N	201	---	VVVVVV	SSSSSS							
L103B 112+25N	201	---	VVVVVV	SSSSSS							
L103B 112+50N	201	---	VVVVVV	SSSSSS							
L103B 112+75N	201	---	VVVVVV	SSSSSS							

07/24/89 10:05 2604 984 0218 CHEMEX LABS +--+ NOREX TB 008



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project : 1118

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1
 Tot. Pages: 5
 Date : 19-JUL-89
 Invoice # : I-8920389
 P.O. # :

CERTIFICATE OF ANALYSIS A8920389

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L38E 0+50N	201	---	<	5							
L38E 0+75N	201	---	<	5							
L38E 1+00N	201	---	<	5							
L38E 1+25N	201	---	<	10							
L38E 1+50N	201	---	<	5							
L38E 1+75N	201	---	<	5							
L38E 2+00N	201	---	<	5							
L38E 2+25N	201	---	<	5							
L38E 2+50N	201	---	<	5							
L38E 2+75N	201	---	<	5							
L38E 3+00N	201	---	<	10							
L38E 3+25N	201	---	<	5							
L38E 3+50N	201	---	<	5							
L38E 3+75N	201	---	<	5							
L38E 4+00N	201	---	<	5							
L38E 4+25N	201	---	<	5							
L38E 4+50N	201	---	<	5							
L38E 4+75N	201	---	<	5							
L38E 5+00N	201	---	<	5							
L38E 5+25N	201	---	<	5							
L38E 5+50N	201	---	<	5							
L38E 5+75N	201	---	<	5							
L38E 6+00N	201	---	<	5							
L38E 6+25N	201	---	<	5							
L38E 6+50N	201	---	<	5							
L38E 6+75N	201	---	<	5							
L38E 7+00N	201	---	<	5							
L38E 7+25N	201	---	<	5							
L38E 7+50N	201	---	<	5							
L38E 7+75N	201	---	<	5							
L38E 8+00N	201	---	<	5							
L38E 1+50S	201	---	<	5							
L38E 1+75S	201	---	<	5							
L38E 2+00S	201	---	<	5							
L38E 2+25S	201	---	<	5							
L38E 2+50S	201	---	<	5							
L38E 2+75S	201	---	<	5							
L38E 3+00S	201	---	<	10							
L38E 3+25S	201	---	<	5							
L38E 3+50S	201	---	<	5							

CERTIFICATION : *Paul Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2
 Tot. Pages: 5
 Date : 19-JUL-89
 Invoice #: I-8920389
 P.O. # :

CERTIFICATE OF ANALYSIS A8920389

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA							
L38E 3+75S	201	---	^^	5					
L38E 4+00S	201	---	^^	5					
L38E 4+25S	201	---	^^	5					
L38E 4+50S	201	---	^^	5					
L38E 4+75S	201	---	^^	5					
L38E 5+00S	201	---	^^	5					
L38E 5+25S	201	---	^^	5					
L39E 0+25N	201	---	^^	5					
L39E 0+75N	201	---	^^	5					
L39E 1+00N	201	---	^^	5					
L39E 1+50N	201	---	^^	5					
L39E 1+75N	201	---	^^	5					
L39E 2+00N	201	---	^^	5					
L39E 2+25N	201	---	^^	5					
L39E 2+50N	201	---	^^	5					
L39E 3+25N	201	---	^^	5					
L39E 3+50N	201	---	^^	5					
L39E 3+75N	201	---	^^	5					
L39E 4+00N	201	---	^^	5					
L39E 4+25N	201	---	^^	5					
L39E 4+50N	201	---	^^	5					
L39E 4+75N	201	---	^^	5					
L39E 5+00N	201	---	^^	5					
L39E 5+25N	201	---	^^	5					
L39E 5+50N	201	---	^^	5					
L39E 5+75N	201	---	^^	5					
L39E 6+00N	201	---	^^	5					
L39E 6+75N	201	---	^^	5					
L39E 7+00N	201	---	^^	5					
L39E 7+25N	201	---	^^	5					
L39E 7+50N	201	---	^^	5					
L39E 7+75N	201	---	^^	5					
L39E 8+00N	201	---	^^	5					
L39E 0+25S	201	---	^^	5					
L39E 0+50S	201	---	^^	5					
L39E 1+00S	201	---	^^	20					
L39E 1+25S	201	---	^^	5					
L39E 1+70S	201	---	^^	5					
L40E 0+25N	201	---	^^	5					
L40E 0+50N	201	---	^^	5					

CERTIFICATION :

Theresa Vink



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project : 1118
Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 3
Tot. Pages: 5
Date : 19-JUL-89
Invoice # : I-8920389
P.O. # :

CERTIFICATE OF ANALYSIS A8920389

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
L40E 1+00N	201	---	^^	5									
L40E 1+25N	201	---	^^	5									
L40E 1+50N	201	---	^^	5									
L40E 1+75N	201	---	^^	5									
L40E 3+25N	201	---	^^	5									
L40E 3+50N	201	---	^^	5									
L40E 3+75N	201	---	^^	5									
L40E 4+00N	201	---	^^	5									
L40E 4+25N	201	---	^^	5									
L40E 4+50N	201	---	^^	5									
L40E 4+75N	201	---	^^	5									
L40E 5+00N	201	---	^^	5									
L40E 5+25N	201	---	^^	5									
L40E 5+50N	201	---	^^	5									
L40E 5+75N	201	---	^^	5									
L40E 6+00N	201	---	^^	5									
L40E 6+25N	201	---	^^	5									
L40E 6+50N	201	---	^^	5									
L40E 6+75N	217	---	^^	5									
L40E 7+00N	201	---	^^	5									
L40E 7+25N	201	---	^^	5									
L40E 7+50N	201	---	^^	5									
L40E 7+75N	201	---	^^	5									
L40E 8+00N	201	---	^^	5									
L40E 0+25S	201	---	^^	5									
L40E 0+50S	201	---	^^	5									
L40E 0+75S	201	---	^^	5									
L40E 1+00S	201	---	^^	5									
L40E 1+25S	201	---	^^	5									
L41E 0+25N	217	---	^^	5									
L41E 3+25N	217	---	^^	5									
L41E 3+50N	201	---	^^	5									
L41E 3+75N	201	---	^^	5									
L41E 4+00N	201	---	^^	5									
L41E 4+25N	201	---	^^	5									
L41E 4+50N	201	---	^^	5									
L41E 4+75N	201	---	^^	5									
L41E 5+00N	201	---	^^	5									
L41E 5+25N	201	---	^^	5									
L41E 5+50N	201	---	^^	5									

CERTIFICATION : *John Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATN: J. LONDY CC: G. PIERCE

Page No. : 4
 Tot. Pages: 5
 Date : 19-JUL-89
 Invoice # : I-8920389
 P.O. # :

CERTIFICATE OF ANALYSIS A8920389

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA									
L41E 5+75N	201	---	<	5								
L41E 6+00N	201	---	<	5								
L41E 6+25N	201	---	<	5								
L41E 6+50N	201	---	<	5								
L41E 6+75N	201	---	<	5								
L41E 7+00N	201	---	<	5								
L41E 7+25N	217	---	<	5								
L41E 7+50N	201	---	<	5								
L41E 7+75N	201	---	<	5								
L41E 0+25S	217	---	<	5								
L41E 0+50S	217	---	<	5								
L41E 0+75S	201	---	<	5								
L41E 1+00S	201	---	<	5								
L41E 1+25S	201	---	<	5								
L41E 1+50S	201	---	<	5								
L42E 0+25N	201	---	<	5								
L42E 0+50N	201	---	<	5								
L42E 2+00N	201	---	<	5								
L42E 2+25N	201	---	<	10								
L42E 2+50N	217	---	<	5								
L42E 2+75N	201	---	<	5								
L42E 3+00N	201	---	<	5								
L42E 3+25N	201	---	<	5								
L42E 3+50N	217	---	<	5								
L42E 3+75N	201	---	<	5								
L42E 4+00N	201	---	<	5								
L42E 4+25N	201	---	<	5								
L42E 4+50N	201	---	<	5								
L42E 4+75N	201	---	<	5								
L42E 5+00N	201	---	<	5								
L42E 5+25N	201	---	<	5								
L42E 5+50N	201	---	<	5								
L42E 5+75N	201	---	<	5								
L42E 6+00N	201	---	<	5								
L42E 6+25N	201	---	<	5								
L42E 6+50N	201	---	<	5								
L42E 6+75N	201	---	<	5								
L42E 7+00N	201	---	<	5								
L42E 7+25S	201	---	<	5								
L42E 0+50S	201	---	<	5								

CERTIFICATION : Mark Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118
Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 5
Tot. Pages: 5
Date : 19-JUL-89
Invoice #: I-8920389
P.O. # :

CERTIFICATE OF ANALYSIS A8920389

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L42E 0+75S	217	--	>>	5							
L42E 1+25S	217	---	>>>	5							
L43E 1+50N	201	---	>>>	5							
L43E 1+75N	201	--	>>	5							

CERTIFICATION : *Theresa Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1
Tot. Pages: 4
Date : 19-JUL-89
Invoice #: I-8920390
P.O. # :

CERTIFICATE OF ANALYSIS A8920390

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA																		
L43E 2+00N	201	--	< 5																		
L43E 2+25N	201	--	< 5																		
L43E 2+50N	201	--	< 5																		
L43E 2+75N	201	--	< 5																		
L43E 3+00N	201	--	< 5																		
L43E 4+00N	201	--	< 5																		
L43E 4+25N	201	--	< 5																		
L43E 4+50N	201	--	< 5																		
L43E 4+75N	201	--	< 5																		
L43E 5+00N	201	--	< 5																		
L43E 5+25N	201	--	< 5																		
L43E 5+50N	201	--	< 5																		
L43E 5+75N	201	--	< 5																		
L43E 6+00N	217	--	< 5																		
L43E 6+25N	201	--	< 5																		
L43E 6+50N	201	--	< 5																		
L43E 6+75N	201	--	< 5																		
L43E 7+00N	201	--	< 5																		
L43E 0+25S	201	--	< 5																		
L43E 0+50S	201	--	< 5																		
L43E 0+75S	201	--	< 5																		
L44E 0+00	201	--	< 5																		
L44E 0+25N	217	--	< 5																		
L44E 0+25S	201	--	< 5																		
L44E 0+50S	201	--	< 5																		
L44E 0+75S	201	--	< 5																		
L44E 1+00S	201	--	< 5																		
L47E 0+00N	201	--	< 5																		
L47E 0+25N	217	--	< 5																		
L47E 0+50N	217	--	< 5																		
L47E 0+75N	201	--	< 5																		
L47E 1+00N	217	--	< 5																		
L47E 1+25N	201	--	< 5																		
L47E 1+50N	201	--	< 5																		
L47E 1+75N	201	--	< 5																		
L47E 2+00N	217	--	< 5																		
L47E 2+25N	201	--	< 5																		
L47E 2+50N	201	--	< 5																		
L47E 2+75N	201	--	< 5																		
L47E 3+00N	201	--	< 5																		

CERTIFICATION :

John V. Venter



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2
 Tot. Pages: 4
 Date : 19-JUL-89
 Invoice #: I-8920390
 P.O. # :

CERTIFICATE OF ANALYSIS A8920390

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L47E 3+25N	201	---	<	5								
L47E 3+50N	201	---	<	5								
L47E 3+75N	201	---	<	5								
L47E 4+00N	201	---	<	5								
L47E 4+25N	201	---	<	5								
L47E 4+50N	201	---	<	5								
L47E 4+75N	201	---	<	5								
L47E 5+00N	201	---	<	5								
L47E 5+25N	201	---	<	5								
L47E 5+50N	201	---	<	5								
L47E 5+75N	201	---	<	5								
L47E 6+00N	217	---	< 10	5								
L47E 6+25N	201	---	<	5								
L47E 6+50N	201	---	<	5								
L47E 6+75N	201	---	<	5								
L47E 7+00N	217	---	<	5								
L47E 7+25N	217	---	<	5								
L47E 0+25S	201	---	<	5								
L47E 0+50S	201	---	<	5								
L47E 0+75S	201	---	<	5								
L48E 0+00	201	---	<	5								
L48E 0+25N	217	---	<	5								
L48E 0+50N	201	---	<	5								
L48E 0+75N	201	---	<	5								
L48E 1+00N	201	---	<	5								
L48E 1+25N	201	---	< 45	5								
L48E 1+50N	201	---	<	5								
L48E 1+75N	201	---	<	5								
L48E 2+00N	201	---	<	5								
L48E 2+25N	201	---	<	5								
L48E 2+50N	201	---	<	5								
L48E 2+75N	201	---	<	5								
L48E 3+00N	217	---	<	5								
L48E 3+25N	201	---	<	5								
L48E 3+50N	201	---	<	5								
L48E 3+75N	201	---	<	5								
L48E 4+00N	201	---	<	5								
L48E 4+25N	201	---	<	5								
L48E 4+50N	201	---	<	5								
L48E 4+75N	201	---	<	5								

CERTIFICATION :

Frank Vink



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 3
 Tot. Pages: 4
 Date : 19-JUL-89
 Invoice # : I-8920390
 P.O. # :

CERTIFICATE OF ANALYSIS A8920390

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA								
L48E 5+00N	217	--	<	5						
L48E 5+25N	217	---	<<	5						
L48E 5+50N	201	---	<<<	5						
L48E 5+75N	201	---	<<<<	5						
L48E 6+00N	201	---	<	5						
L48E 6+25N	201	---	<	5						
L48E 6+50N	217	---	<<	5						
L48E 6+75N	201	---	<<<	5						
L48E 7+00N	201	---	<<<<	5						
L48E 7+75N	201	---	<	5						
L48E 8+00N	201	---	<	5						
L48E 8+25N	201	---	<<	5						
L48E 8+50N	201	---	<<<	5						
L48E 8+75N	217	---	<<<<	5						
L48E 9+25N	201	---	<	5						
L48E 9+50N	217	---	<	5						
L48E 9+75N	201	---	<<	5						
L48E 10+25N	217	---	<<<	5						
L48E 10+50N	201	---	<<<<	5						
L48E 11+00N	217	---	<	5						
L48E 0+25S	201	---	<	5						
L48E 0+50S	201	---	<<	5						
L48E 0+75S	201	---	<<<	5						
L50E 0+00	201	---	<<<<	5						
L50E 0+50N	201	---	<	5						
L50E 0+75N	201	---	<	5						
L50E 1+00N	217	---	<<	5						
L50E 1+25N	201	---	<<<	5						
L50E 1+50N	201	---	<<<<	5						
L50E 1+75N	217	---	<	5						
L50E 2+00N	201	---	<	5						
L50E 2+25N	201	---	<<	5						
L50E 2+50N	201	---	<<<	5						
L50E 2+75N	217	---	<<<<	5						
L50E 3+25N	201	---	<	5						
L50E 3+50N	201	---	<	5						
L50E 3+75N	201	---	<<	10						
L50E 4+00N	201	---	<	5						
L50E 4+25N	201	---	<<	5						
L50E 4+50N	201	---	<<<	5						

CERTIFICATION : *Thak Vankh*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: 1118

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 4
 Tot. Pages: 4
 Date : 19-JUL-89
 Invoice #: I-8920390
 P.O. # :

CERTIFICATE OF ANALYSIS A8920390

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L50E 5+00N	201	---	^^	S							
L50E 5+25N	201	---	^^	S							
L50E 5+50N	201	---	^^	S							
L50E 5+75N	201	---	^^	S							
L50E 6+75N	201	---	^^	S							
L50E 7+25N	201	---	^^	S							
L50E 7+50N	201	---	^^	S							
L50E 7+75N	201	---	^^	S							
L50E 8+00N	201	---	^^	S							
L50E 8+25N	201	---	^^	S							
L50E 8+50N	201	---	^^	S							
L50E 8+75N	201	---	^^	S							
L50E 9+00N	201	---	^^	S							
L50E 9+25N	201	---	^^	S							
L50E 9+50N	201	---	^^	S							
L50E 9+75N	201	---	^^	S							
L50E 10+25N	201	---	^^	S							
L50E 10+50N	201	---	^^	S							
L50E 10+75N	201	---	^^	S							
L50E 11+00N	201	---	^^	S							
L50E 11+25N	201	---	^^	S							
L50E 0+25S	201	---	^^	S							
L50E 0+75S	201	---	^^	10							
L50E 1+00S	201	---	^^	S							
L52E 3+50N	201	---	^^	S							
L52E 3+75N	201	---	^^	S							
L52E 4+00N	201	---	^^	S							
L52E 4+25N	201	---	^^	S							
L52E 4+50N	217	---	^^	S							
L52E 4+75N	217	---	^^	S							
L52E 5+00N	201	---	^^	S							
L52E 5+25N	201	---	^^	S							
L52E 5+50N	201	---	^^	S							
L52E 5+75N	201	---	^^	S							
L52E 6+00N	201	---	^^	S							
L52E 6+25N	201	---	^^	S							
L52E 6+50N	201	---	^^	S							
L52E 6+75N	201	---	^^	S							
L52E 7+00N	201	---	^^	S							
L52E 7+25N	201	---	^^	S							

CERTIFICATION :

Hub Vink



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: B SOILS 1118
 Comments: ATN: J LONDY CC; G. PIERCE

Page No. : 1
 Tot. Pages: 3
 Date : 17-JUL-89
 Invoice #: I-8919915
 P.O. # :

CERTIFICATE OF ANALYSIS A8919915

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
L37E 4+25N	217	---	< 5									
L37E 5+00N	201	---	< 5									
L37E 5+25N	201	---	< 5									
L37E 5+50N	201	---	< 5									
L37E 5+75N	201	---	< 5									
L37E 6+50N	201	---	< 5									
L37E 7+00N	201	---	< 5									
L37E 7+25N	201	---	< 5									
L37E 7+50N	201	---	< 5									
L37E 7+75N	201	---	< 5									
L37E 8+00N	201	---	< 5									
L37E 0+50S	217	---	< 5									
L37E 1+25S	201	---	< 5									
L37E 1+50S	201	---	< 5									
L37E 1+75S	217	---	< 5									
L37E 2+00S	201	---	< 5									
L37E 2+50S	201	---	< 5									
L37E 2+75S	201	---	< 5									
L37E 3+25S	201	---	< 5									
L37E 3+50S	217	---	< 5									
L37E 3+75S	201	---	< 5									
L37E 4+00S	217	---	< 5									
L37E 5+00S	217	---	< 5									
L37E 5+25S	217	---	< 5									
L44E 1+00N	201	---	< 5									
L44E 1+25N	201	---	< 5									
L44E 1+50N	201	---	< 5									
L44E 1+75N	201	---	< 5									
L44E 2+00N	201	---	< 5									
L44E 2+25N	201	---	< 5									
L44E 2+50N	201	---	< 5									
L44E 2+75N	201	---	< 5									
L44E 3+00N	201	---	< 5									
L44E 3+25N	201	---	< 5									
L44E 3+50N	201	---	< 5									
L44E 3+75N	201	---	< 5									
L44E 4+00N	201	---	< 5									
L44E 4+50N	201	---	< 5									
L44E 4+25N	201	---	< 5									
L44E 5+50N	201	---	< 5									

CERTIFICATION : *Frank Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: B SOILS 1118
 Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 2
 Tot. Pages: 3
 Date : 17-JUL-89
 Invoice #: I-8919915
 P.O. # :

CERTIFICATE OF ANALYSIS A8919915

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L44E 5+75N	201	---	<	5								
L44E 6+00N	201	---	<	5								
L44E 6+25N	201	---	<	5								
L44E 6+50N	201	---	<	5								
L44E 6+75N	201	---	<	10								
L44E 7+00N	201	---	<	10								
L44E 7+25N	201	---	<	5								
L44E 7+50N	201	---	<	5								
L44E 7+75N	201	---	<	5								
L44E 8+25N	201	---	<	5								
L44E 8+50N	201	---	<	5								
L44E 8+75N	201	---	<	5								
L44E 9+25N	201	---	<	5								
L44E 10+00N	201	---	<	5								
L44E 10+25N	201	---	<	5								
L44E 10+75N	201	---	<	5								
L44E 11+00N	201	---	<	5								
L44E 11+25N	201	---	<	5								
L45E 1+00N	201	---	<	5								
L45E 1+25N	201	---	<	5								
L45E 2+00N	201	---	<	5								
L45E 2+25N	201	---	<	5								
L45E 2+50N	201	---	<	5								
L45E 2+75N	201	---	<	5								
L45E 3+00N	201	---	<	5								
L45E 3+50N	201	---	<	5								
L45E 3+75N	201	---	<	5								
L45E 4+00N	201	---	<	5								
L45E 4+25N	201	---	<	5								
L45E 4+50N	201	---	<	5								
L45E 4+75N	201	---	<	5								
L45E 5+00N	201	---	<	5								
L45E 6+00N	201	---	<	5								
L45E 6+25N	201	---	<	5								
L45E 7+00N	201	---	<	5								
L45E 7+75N	201	---	<	5								
L45E 8+00N	201	---	<	5								
L45E 8+25N	201	---	<	5								
L45E 8+50N	201	---	<	5								
L45E 8+75N	217	---	<	5								

CERTIFICATION :

John V. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118
Comments: ATN: J. LONDY CC: G. PIERCE

Page No. : 3
Tot. Pages: 3
Date : 17-JUL-89
Invoice #: I-8919915
P.O. # :

CERTIFICATE OF ANALYSIS A8919915

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA										
L45E 9+25N	201	--	<< 5										
L45E 9+50N	201	---	<<< 5										
L45E 9+75N	201	---	<<< 5										
L45E 10+00N	201	---	<<< 5										
L45E 10+50N	201	---	<< 5										
L45E 10+75N	201	---	<< 45										
L45E 11+00N	201	---	<< 5										
L45E 11+50N	201	---	<<< 5										
L45E 0+25S	217	---	<< 5										
L45E 0+50S	201	---	<< 5										
L136E 101+00N	201	---	<< 5										
L136E 101+25N	201	---	<<< 5										
L136E 102+25N	201	---	<<< 5										
L136E 102+50N	201	---	<< 5										

CERTIFICATION : *Frank Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118-F2

Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 1
Tot. Pages: 1
Date : 7-AUG-89
Invoice #: I-8922327
P.O. # :

CERTIFICATE OF ANALYSIS A8922327

SAMPLE DESCRIPTION	PREP CODE		Au ppb															
			FA+AA															
L-N-E 2+50N	201	---	<	5														
L-N-E 2+75N	201	---	<	5														
L-N-E 3+00N	201	---	<	5														
L-N-E 3+25N	201	---	<	5														
L-N-E 3+50N	201	---	<	5														
L-N-E 3+75N	201	---	<	10														
L-N-E 4+00N	201	---	<	5														
L-N-E 4+25N	201	---	<	5														
L-N-E 4+50N	201	---	<	5														
L-N-E 4+75N	201	---	<	5														
L-128E 101+88N	201	---	<	5														
L-128E 102+13N	201	---	<	5														
L-128E 102+38N	201	---	<	5														
L-128E 102+63N	201	---	<	5														
L-128E 102+88N	201	---	<	5														
L-128E 103+13N	201	---	<	5														
L-128E 103+38N	201	---	<	5														
L-128E 103+63N	201	---	<	5														
L-128E 103+88N	201	---	<	5														

CERTIFICATION : Hart Buchler



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
410 MATHEWSON BLVD., R. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R1
PHONE (416) 898-0118

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 280

Project: 1118

Comments: ATN: 1 LONDRY CC: G. PIERCE

Page No. : 1
Tot. Pages: 1
Date : 8-AUG-89
Invoice # : I-8922244
P.O. # :

CERTIFICATE OF ANALYSIS A8922244

SAMPLE DESCRIPTION	PREP CODE	Au ppb PATAA									
15425 A	201	----	VVVVV	VVVVV							
15425 B	201	----	VVVVV	VVVVV							
15425 C	201	----	VVVVV	VVVVV							
15425 D	201	----	VVVVV	VVVVV							
15425 E	201	----	VVVVV	VVVVV							
15425 F	201	----	VVVVV	VVVVV							
15425 G	201	----	VVVVV	VVVVV							
15425 H	201	----	VVVVV	VVVVV							
15425 I	201	----	VVVVV	VVVVV							
15425 J	201	----	VVVVV	VVVVV							
15425 K	201	----	VVVVV	VVVVV							
15425 L	201	----	VVVVV	VVVVV							
15425 M	201	----	VVVVV	VVVVV							
15425 N	201	----	VVVVV	VVVVV							
15425 O	201	----	VVVVV	VVVVV							
15426 A	201	----	VVVVV	VVVVV							
15426 B	201	----	VVVVV	VVVVV							
15426 C	201	----	VVVVV	VVVVV							
15426 D	201	----	VVVVV	VVVVV							
15426 E	201	----	VVVVV	VVVVV							
15426 F	201	----	VVVVV	VVVVV							
15426 G	201	----	VVVVV	VVVVV							
15426 H	201	----	VVVVV	VVVVV							
15426 I	201	----	VVVVV	VVVVV							
15426 J	201	----	VVVVV	VVVVV							
15426 K	201	----	VVVVV	VVVVV							
15426 L	201	----	VVVVV	VVVVV							
15426 M	201	----	VVVVV	VVVVV							

08/09/89 08:18 0804 984 0218 CHEMEX LABS +++ NOREX - HEMLO 02/002



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E. UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

A8920908

Comments: ATT'N: J. LONDREY, C.C. G. PIERCE

CERTIFICATE A8920908

NORANDA EXPLORATION CO., LTD.

PROJECT : 1118

P.O.# :

Samples submitted to our lab in Mississauga, ON.
This report was printed on 1-AUG-89.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	127	Dry, sieve -80 mesh; soil, sed.
238	127	ICP: Aqua regia digestion

* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	127	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
921	127	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
922	127	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
923	127	As ppm: 32 element, soil & rock	ICP-AES	5	10000
924	127	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
925	127	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
926	127	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
927	127	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
928	127	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
929	127	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
930	127	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
931	127	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
932	127	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
933	127	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
934	127	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
935	127	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
936	127	La ppm: 32 element, soil & rock	ICP-AES	10	10000
937	127	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
938	127	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
939	127	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
940	127	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
941	127	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
942	127	P ppm: 32 element, soil & rock	ICP-AES	10	10000
943	127	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
944	127	Sb ppm: 32 element, soil & rock	ICP-AES	5	10000
945	127	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
946	127	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
947	127	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
948	127	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
949	127	U ppm: 32 element, soil & rock	ICP-AES	10	10000
948	127	V ppm: 32 element, soil & rock	ICP-AES	1	10000
949	127	W ppm: 32 element, soil & rock	ICP-AES	10	10000
950	127	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: A HMUS - 1118
 Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 1
 Tot. Pages: 1
 Date : 14-JUL-89
 Invoice # : I-8919665
 P.O. # :

CERTIFICATE OF ANALYSIS A8919665

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb																	
L-96E 91+00N	217	--	<	1															
L-96E 92+50N	217	--		1															
L-96E 94+25N	217	--		1															
L-96E 94+50N	217	--	<	1															
L-97E 89+50N	217	--		2															
L-97E 93+50N	217	--		2															
L-98E 91+00N	217	--		3															
L-98E 93+50N	217	--		3															
L-116E 97+50N	217	--		1															
L-116E 97+75N	217	--	<	1															
L-117E 102+50N	217	--		2															
L-118E 95+75N	217	--		1															
L-118E 96+00N	217	--		3															
L-118E 100+05N	217	--	<	1															
L-119E 96+00N	217	--		1															
L-119E 99+75N	217	--		3															
L-121E 95+50N	217	--		1															
L-121E 98+75N	217	--		1															
L-121E 101+50N	217	--	<	1															
L-121E 102+50N	217	--	<	1															
L-122E 102+25N	217	--	<	1															
L-122E 102+50N	217	--		2															
L-122E 102+75N	217	--		1															
L-122E 102+98N	217	--	<	1															
L-123E 103+25N	217	--	<	1															
L-123E 103+75N	217	--		4															
L-123E 105+50N	217	--	<	1															
L-123E 106+00N	217	--	<	1															
L-123E 107+50N	217	--	<	1															
L-123E 108+75N	217	--		1															
L-124E 95+50N	217	--		2															
L-124E 95+70N	217	--		2															
L-124E 96+00N	217	--		1															
L-124E 98+25N A	217	--	<	1															
L-124E 98+25N B	217	--	<	1															
L-124E 101+00N	217	--	<	1															
L-124E 101+50N	217	--		1															
L-124E 103+50N	217	--	<	1															
L-124E 104+00N	217	--	<	1															

CERTIFICATION :

Shuk Vmk



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD., E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: 1118-F2

Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 1
Tot. Pages: 1
Date : 13-AUG-89
Invoice #: I-8922328
P.O. # :

CERTIFICATE OF ANALYSIS A8922328

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb										
L-128E 104+13N	217 --	< 1										

CERTIFICATION :

Frank Vank



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 450 MATHESON BLVD. E. UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: A SOILS 1118
 Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 1
 Tot. Pages: 3
 Date : 17-JUL-89
 Invoice #: I-8919916
 P.O. # :

CERTIFICATE OF ANALYSIS A8919916

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb							
L32E 1+25N	217	--	3						
L32E 3+00N	217	--	2						
L32E 3+25N	217	--	2						
L32E 4+00N	217	--	3						
L32E 5+25N	217	--	2						
L32E 5+50N	217	--	1						
L32E 6+50N	217	--	5						
L32E 7+25N	217	--	1						
L32E 7+37N	217	--	2						
L32E 4+25S	217	--	1						
L33E 1+00N	217	--	1						
L33E 1+25N	217	--	1						
L33E 2+50N	217	--	1						
L33E 4+50N	217	--	1						
L33E 4+75N	217	--	4						
L33E 5+00N	217	--	1						
L33E 5+25N	217	--	1						
L33E 5+75N	217	--	1						
L33E 6+00N	217	--	4						
L33E 6+25N	217	--	2						
L33E 6+50N	217	--	1						
L33E 6+75N	217	--	3						
L33E 7+50N	217	--	2						
L33E 7+75N	217	--	2						
L33E 1+25S	217	--	6						
L33E 1+50S	217	--	5						
L33E 1+75S	217	--	2						
L33E 4+50S	217	--	5						
L33E 4+75S	217	--	1						
L34E 2+00N	217	--	3						
L34E 3+25N	217	--	3						
L34E 3+50N	217	--	1						
L34E 3+75N	217	--	1						
L34E 4+50N	217	--	6						
L34E 4+75N	217	--	4						
L34E 6+00N	217	--	3						
L34E 0+25S	217	--	5						
L34E 0+50S	217	--	5						
L34E 0+75S	217	--	1						
L35E 0+25N	217	--	5						

CERTIFICATION : Mark Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: A SOILS 1118
 Comments: ATN: J LONDY CC: G. PIERCE

Page No. : 2
 Tot. Pages: 3
 Date : 17-JUL-89
 Invoice #: I-8919916
 P.O. # :

CERTIFICATE OF ANALYSIS A8919916

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb																		
L35E 0+50N	217	---	61																	
L35E 0+75N	217	---	3																	
L35E 2+00N	217	---	< 1																	
L35E 2+75N	217	---	1																	
L35E 3+00N	217	---	< 1																	
L35E 3+25N	217	---	1																	
L35E 3+75N	217	---	< 1																	
L35E 4+25N	217	---	3																	
L35E 4+50N	217	---	< 1																	
L35E 7+25N	217	---	1																	
L35E 0+25S	217	---	2																	
L35E 0+50S	217	---	3																	
L35E 1+25S	217	---	1																	
L35E 1+75S	217	---	2																	
L36E 3+25N	217	---	< 1																	
L36E 3+50N	217	---	< 1																	
L36E 4+25N	217	---	3																	
L36E 4+75N	217	---	5																	
L36E 5+50N	217	---	2																	
L36E 5+75N	217	---	< 1																	
L36E 7+75N	217	---	2																	
L36E 2+00S	217	---	< 1																	
L36E 3+00S	217	---	4																	
L36E 4+50S	217	---	1																	
L36E 5+75S	217	---	3																	
L37E 1+00N	217	---	1																	
L37E 1+50N	217	---	1																	
L37E 3+00N	217	---	<< 1																	
L37E 3+75N	217	---	<< 1																	
L37E 4+00N	217	---	<< 1																	
L37E 4+50N	217	---	4																	
L37E 4+75N	217	---	<< 1																	
L37E 6+00N	217	---	<< 1																	
L37E 6+25N	217	---	<< 1																	
L37E 6+75N	217	---	<< 1																	
L37E 0+25S	217	---	6																	
L37E 1+00S	217	---	5																	
L37E 2+25S	217	---	2																	
L37E 3+00S	217	---	< 1																	
L37E 4+25S	217	---	1																	

CERTIFICATION :

Theresa Vank



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
 450 MATHESON BLVD. E. UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0110

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project: A SOILS 1118
 Comments: ATN: J LONDRY CC: G. PIERCE

Page No. : 3
 Tot. Pages: 3
 Date : 17-JUL-89
 Invoice #: I-8919916
 P.O. # :

CERTIFICATE OF ANALYSIS A8919916

SAMPLE DESCRIPTION	PREP CODE	Au NAA ppb													
L37B 4+50S	217	--													
L37B 4+75S	217	--													
L44E 4+25N	217	--													
L44E 4+75N	217	--													
L44E 5+00N	217	--													
L44E 8+00N	217	--													
L44E 9+00N	217	--													
L44E 9+50N	217	--													
L44E 9+75N	217	--													
L44E 10+50N	217	--													
L45E 0+00	217	--													
L45E 0+25N	217	--													
L45E 0+50N	217	--													
L45E 0+75N	217	--													
L45E 1+50N	217	--													
L45E 3+25N	217	--													
L45E 5+25N	217	--													
L45E 5+50N	217	--													
L45E 5+75N	217	--													
L45E 6+50N	217	--													
L45E 6+75N	217	--													
L45E 7+25N	217	--													
L45E 7+50N	217	--													
L45E 9+00N	217	--													
L45E 10+25N	217	--													
L45E 11+25N	217	--													
L45E 0+75S	217	--													
L136 0+50N	217	--													
L136 100+25N	217	--													
L136 100+75N	217	--													
L136 101+50N	217	--													
L136 101+75N	217	--													
L136 102+00N	217	--													
L136 102+75N	217	--													
L136 103+00N	217	--													

CERTIFICATION :

Thak Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD, E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118
Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 1
Tot. Pages: 5
Date : 17-JUL-89
Invoice #: I-8919914
P.O. # :

CERTIFICATE OF ANALYSIS A8919914

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L32E 0+25N	217	---	<	5								
L32E 0+50N	201	---	<	5								
L32E 0+75N	217	---	<	5								
L32E 1+00N	201	---	<	5								
L32E 1+25N	217	---	<	5								
L32E 1+50N	201	---	<	5								
L32E 2+00N	201	---	<	5								
L32E 2+25N	217	---	<	5								
L32E 2+50N	201	---	<	5								
L32E 2+75N	201	---	<	5								
L32E 3+75N	217	---	<	5								
L32E 4+25N	217	---	<	5								
L32E 4+50N	217	---	<	5								
L32E 4+75N	201	---	<	5								
L32E 5+00N	217	---	<	5								
L32E 5+75N	201	---	<	5								
L32E 6+00N	217	---	<	5								
L32E 6+25N	217	---	<	5								
L32E 6+75N	201	---	<	5								
L32E 7+00N	217	---	<	5								
L32E 0+25S	217	---	<	5								
L32E 0+50S	201	---	<	5								
L32E 0+75S	201	---	<	5								
L32E 1+00S	201	---	<	5								
L32E 1+25S	201	---	<	5								
L32E 1+50S	201	---	<	5								
L32E 1+75S	201	---	<	5								
L32E 2+00S	201	---	<	5								
L32E 2+25S	217	---	<	5								
L32E 2+50S	201	---	<	5								
L32E 2+75S	201	---	<	5								
L32E 3+00S	201	---	<	5								
L32E 3+50S	201	---	<	5								
L32E 3+75S	217	---	<	5								
L32E 4+00S	217	---	<	5								
L32E 4+50S	201	---	<	5								
L32E 4+75S	201	---	<	5								
L33E 1+25N	217	---	<	5								
L33E 1+50N	217	---	<	5								
L33E 0+75N	217	---	<	5								

CERTIFICATION : *Thak Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118
Comments: ATN: J. LONDY CC: G. PIERCE

Page No. : 2
Tot. Pages: 5
Date : 17-JUL-89
Invoice #: I-8919914
P.O. # :

CERTIFICATE OF ANALYSIS A8919914

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
L33E 1+50N	201	---	^^	S									
L33E 1+75N	201	---	^^	S									
L33E 2+00N	201	---	^^	S									
L33E 2+25N	217	---	^^	S									
L33E 2+75N	201	---	^^	S									
L33E 3+00N	217	---	^^	S									
L33E 3+25N	201	---	^^	S									
L33E 3+50N	201	---	^^	S									
L33E 3+75N	201	---	^^	S									
L33E 4+00N	201	---	^^	S									
L33E 4+25N	217	---	^^	S									
L33E 5+50N	201	---	^^	S									
L33E 7+00N	201	---	^^	S									
L33E 7+25N	217	---	^^	S									
L33E 0+25S	201	---	^^	S									
L33E 0+50S	201	---	^^	S									
L33E 0+75S	201	---	^^	S									
L33E 1+00S	217	---	^^	S									
L33E 2+25S	201	---	^^	S									
L33E 2+50S	201	---	^^	S									
L33E 2+75S	201	---	^^	S									
L33E 3+00S	201	---	^^	S									
L33E 3+25S	201	---	^^	S									
L33E 3+50S	217	---	^^	S									
L33E 3+75S	217	---	^^	S									
L33E 4+00S	201	---	^^	S									
L33E 4+25S	201	---	^^	S									
L33E 5+00S	201	---	^^	S									
L34E 0+25N	201	---	^^	S									
L34E 0+50N	201	---	^^	S									
L34E 0+75N	201	---	^^	S									
L34E 1+00N	201	---	^^	S									
L34E 1+25N	201	---	^^	S									
L34E 1+50N	201	---	^^	S									
L34E 1+75N	201	---	^^	S									
L34E 2+25N	217	---	^^	S									
L34E 2+50N	217	---	^^	S									
L34E 2+75N	201	---	^^	S									
L34E 3+00N	217	---	^^	S									
L34E 5+00N	201	---	^^	S									

CERTIFICATION : *Theresa Vonk*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118

Comments: ATN: J. LONDRY CC: G. PIERCE

Page No. : 3
Tot. Pages: 5
Date : 17-JUL-89
Invoice #: I-8919914
P.O. # :

CERTIFICATE OF ANALYSIS A8919914

SAMPLE DESCRIPTION	PREP CODE		Au ppb																	
			FA+AA																	
L34E 5+25N	217	--	<	5																
L34E 5+50N	217	--	<	5																
L34E 6+25N	201	--	<	5																
L34E 6+50N	217	--	<	5																
L34E 6+75N	201	--	<	5																
L34E 7+00N	217	--	<	5																
L34E 0+75S	201	--	<	5																
L34E 1+00S	201	--	<	5																
L34E 1+25S	201	--	<	5																
L34E 1+50S	201	--	<	5																
L34E 1+75S	201	--	<	5																
L34E 2+00S	217	--	<	5																
L34E 2+25S	201	--	<	5																
L34E 2+75S	201	--	<	5																
L34E 3+00S	201	--	<	5																
L34E 3+25S	201	--	<	5																
L34E 3+50S	201	--	<	5																
L34E 3+75S	201	--	<	5																
L34E 4+00S	201	--	<	5																
L35E 1+00N	201	--	<	5																
L35E 1+25N	201	--	<	5																
L35E 1+50N	201	--	<	5																
L35E 1+75N	201	--	<	5																
L35E 2+25N	201	--	<	5																
L35E 2+50N	201	--	<	5																
L35E 3+50N	217	--	<	5																
L35E 4+00N	201	--	<	5																
L35E 4+75N	201	--	<	5																
L35E 5+00N	201	--	<	5																
L35E 5+25N	201	--	<	5																
L35E 5+50N	201	--	<	5																
L35E 5+75N	201	--	<	5																
L35E 6+00N	201	--	<	5																
L35E 6+25N	201	--	<	5																
L35E 6+50N	217	--	<	5																
L35E 6+75N	201	--	<	5																
L35E 7+00N	201	--	<	5																
L35E 7+75S	201	--	<	5																
L35E 7+00S	201	--	<	5																
L35E 7+00S	201	--	<	5																
L35E 1+50S	217	--	<	5																

CERTIFICATION : *John Vink*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118
Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 4
Tot. Pages: 5
Date : 17-JUL-89
Invoice #: I-8919914
P.O. # :

CERTIFICATE OF ANALYSIS A8919914

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
L35E 2+00S	201	--	< 5									
L35E 2+50S	201	--	< 5									
L35E 2+75S	217	--	< 5									
L35E 3+00S	217	--	< 5									
L35E 3+25S	201	--	< 5									
L35E 3+50S	217	--	< 5									
L35E 3+75S	201	--	< 5									
L35E 4+00S	201	--	< 5									
L36E 3+75N	201	--	< 5									
L36E 4+00N	217	--	< 5									
L36E 4+50N	201	--	< 5									
L36E 5+00N	201	--	< 5									
L36E 5+25N	201	--	< 5									
L36E 6+00N	201	--	< 5									
L36E 6+25N	201	--	< 5									
L36E 6+50N	201	--	< 5									
L36E 6+75N	201	--	< 5									
L36E 7+00N	201	--	100									
L36E 7+25N	217	--	< 5									
L36E 7+50N	217	--	< 5									
L36E 8+00N	201	--	< 5									
L36E 0+25S	217	--	< 5									
L36E 0+50S	217	--	< 5									
L36E 0+75S	201	--	< 5									
L36E 1+00S	217	--	< 5									
L36E 1+25S	201	--	< 5									
L36E 1+50S	217	--	< 5									
L36E 1+75S	201	--	< 5									
L36E 2+25S	217	--	< 5									
L36E 2+50S	201	--	< 5									
L36E 2+75S	201	--	< 5									
L36E 3+25S	201	--	< 5									
L36E 3+50S	201	--	< 5									
L36E 3+75S	201	--	< 5									
L36E 4+00S	217	--	< 5									
L36E 4+25S	201	--	< 5									
L36E 4+75S	217	--	< 5									
L36E 5+00S	201	--	< 5									
L36E 5+25S	217	--	< 5									
L36E 5+50S	201	--	< 5									

CERTIFICATION :

John Vank



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOILS 1118
Comments: ATN: J. LONDREY CC: G. PIERCE

Page No. : 5
Tot. Pages: 5
Date : 17-JUL-89
Invoice #: I-8919914
P.O. #

CERTIFICATE OF ANALYSIS A8919914

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
L37E 0+75N	201	---	< 5									
L37E 1+75N	201	---	< 5									
L37E 2+00N	201	---	< 5									
L37E 2+25N	217	---	< 5									
L37E 2+50N	201	---	< 5									
L37E 2+75N	201	---	< 5									
L37E 3+25N	201	---	< 5									
L37E 3+50N	201	---	< 5									

CERTIFICATION :

John Vank



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118

Comments: ATT'N: J. LONDREY C.C: G. PIERCE

Page No. : 1
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919662
P.O. # :

CERTIFICATE OF ANALYSIS A8919662

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L-99E 87+00N	201	---	<	5								
L-99E 87+25N	201	---	<	5								
L-99E 87+50N	201	---	<	10								
L-99E 87+75N	201	---	<	5								
L-99E 88+00N	201	---	<	5								
L-99E 88+25N	201	---	<	5								
L-99E 89+75N	201	---	<	5								
L-99E 90+00N	201	---	<	15								
L-99E 90+25N	201	---	<	15								
L-99E 90+50N	201	---	<	5								
L-99E 90+75N	201	---	<	5								
L-99E 91+00N	201	---	<	5								
L-99E 91+25N	201	---	<	10								
L-99E 91+50N	201	---	<	5								
L-99E 91+75N	201	---	<	5								
L-99E 92+00N	201	---	<	5								
L-99E 92+25N	201	---	<	5								
L-99E 92+50N	201	---	<	5								
L-99E 92+75N	201	---	<	5								
L-99E 93+00N	201	---	<	5								
L-99E 93+25N	201	---	<	5								
L-100E 87+31N	201	---	<	5								
L-100E 87+50N	201	---	<	5								
L-100E 87+75N	201	---	<	5								
L-100E 88+00N	201	---	<	5								
L-100E 88+25N	201	---	<	5								
L-100E 88+50N	201	---	<	5								
L-100E 90+50N	201	---	<	5								
L-100E 90+75N	201	---	<	5								
L-100E 91+00N	201	---	<	5								
L-100E 91+25N	201	---	<	5								
L-100E 91+50N	201	---	<	5								
L-100E 91+75N	201	---	<	5								
L-100E 92+00N	201	---	<	5								
L-111E 95+75N	201	---	<	5								
L-111E 96+00N	201	---	<	50								
L-111E 96+25N	201	---	<	70								
L-111E 96+50N	201	---	<	5								
L-111E 96+75N	201	---	<	5								
L-111E 97+00N	201	---	<	40								

CERTIFICATION :

Therese Vornh



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118
Comments: ATT N: J. LONDRY C.C: G. PIERCE

Page No. : 2
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919662
P.O. # :

CERTIFICATE OF ANALYSIS A8919662

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L-111E 97+25N	201	--	<	5								
L-111E 97+50N	201	--	<	5								
L-111E 97+75N	201	--	<	5								
L-111E 98+00N	201	--	<	5								
L-111E 98+25N	201	--	<	60								
L-111E 98+50N	201	--	<	5								
L-111E 98+75N	201	--	<	5								
L-111E 99+00N	201	--	<	5								
L-111E 99+25N	201	--	<	5								
L-111E 99+50N	201	--	<	5								
L-111E 99+75N	201	--	<	5								
L-111E 100+00N	201	--	<	5								
L-111E 100+25N	201	--	<	5								
L-111E 100+50N	201	--	<	5								
L-111E 100+75N	201	--	<	5								
L-111E 101+00N	201	--	<	5								
L-111E 101+25N	201	--	<	5								
L-111E 101+50N	201	--	<	25								
L-111E 101+75N	201	--	<	100								
L-111E 102+00N	201	--	<	5								
L-111E 102+58N	201	--	<	5								
L-112E 95+61N	201	--	<	5								
L-112E 95+75N	201	--	<	5								
L-112E 96+00N	201	--	<	5								
L-112E 96+25N	201	--	<	5								
L-112E 96+50N	201	--	<	5								
L-112E 96+75N	201	--	<	5								
L-112E 97+00N	201	--	<	5								
L-112E 97+25N	201	--	<	5								
L-112E 97+50N	201	--	<	5								
L-112E 97+75N	201	--	<	5								
L-112E 98+00N	201	--	<	5								
L-112E 98+25N	201	--	<	5								
L-112E 98+50N	201	--	<	5								
L-112E 98+75N	201	--	<	5								
L-112E 99+00N	201	--	<	5								
L-112E 99+25N	201	--	<	5								
L-112E 99+50N	201	--	<	5								
L-112E 99+75N	201	--	<	5								
L-112E 100+00N	201	--	<	5								

CERTIFICATION : *John Vork*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118
Comments: ATT'N: J. LONDY C.C: G. PIERCE

Page No. : 3
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919662
P.O. # :

CERTIFICATE OF ANALYSIS A8919662

SAMPLE DESCRIPTION	PREP CODE		Au ppb																
			FA+AA																
L-112E 100+25N	201	--	<	5															
L-112E 100+50N	201	--	<	5															
L-112E 100+75N	201	--	<	5															
L-112E 101+00N	201	--	<	5															
L-112E 101+25N	201	--	<	5															
L-112E 101+50N	201	--		5															
L-112E 102+00N	201	--		10															
L-112E 102+50N	201	--		10															
L-112E 103+00N	201	--	<	5															
L-112E 103+25N	201	--	<	5															
L-112E 103+50N	201	--	<	5															
L-112E 103+75N	201	--	<	5															
L-113E 95+66N	201	--	<	5															
L-113E 95+75N	201	--	<	5															
L-113E 96+00N	201	--	<	5															
L-113E 96+25N	201	--	<	5															
L-113E 96+50N	201	--	<	5															
L-113E 96+75N	201	--	<	5															
L-113E 97+00N	201	--	<	5															
L-113E 97+25N	201	--	<	5															
L-113E 97+50N	201	--	<	5															
L-113E 97+75N	201	--	<	5															
L-113E 98+00N	201	--	<	5															
L-113E 98+75N	201	--		15															
L-113E 100+00N	201	--		10															
L-113E 100+50N	201	--		5															
L-113E 100+75N	201	--	<	5															
L-113E 101+00N	201	--	<	5															
L-113E 101+25N	201	--	<	5															
L-113E 101+50N	201	--	<	5															
L-113E 101+75N	201	--	<	5															
L-113E 102+00N	201	--	<	5															
L-113E 102+25N	201	--	<	5															
L-113E 102+52N	201	--	<	5															
L-114E 95+55N	201	--	<	5															
L-114E 95+75N	201	--	<	5															
L-114E 96+00N	201	--	<	5															
L-114E 96+25N	201	--	<	5															
L-114E 97+50N	201	--	<	5															
L-114E 98+25N	201	--	<	5															

CERTIFICATION :

John V. ...



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2EO

Project: B SOIL - 1118
 Comments: ATT'N: J. LONDRY C C: G. PIERCE

Page No. : 4
 Tot. Pages: 5
 Date : 14-JUL-89
 Invoice #: I-8919662
 P.O. # :

CERTIFICATE OF ANALYSIS A8919662

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA									
L-114E 98+50N	201	--	<	5							
L-114E 98+75N	201	--	<	5							
L-114E 99+00N	201	--	<	5							
L-114E 99+25N	201	--	<	5							
L-114E 99+50N	201	--	<	5							
L-114E 99+75N	201	--	<	5							
L-114E 100+00N	201	--	<	5							
L-114E 100+25N	201	--	<	5							
L-114E 100+50N	201	--	<	5							
L-114E 100+75N	201	--	<	5							
L-114E 101+00N	201	--	<	5							
L-114E 101+25N	201	--	<	5							
L-114E 101+50N	201	--	<	5							
L-114E 101+75N	201	--	<	5							
L-114E 102+00N	201	--	<	5							
L-114E 102+25N	201	--	<	5							
L-114E 102+50N	201	--	<	5							
L-114E 102+75N	201	--	<	5							
L-114E 103+00N	201	--	<	5							
L-114E 103+17N	201	--	<	5							
L-115E 96+75N	201	--	<	20							
L-115E 97+00N	201	--	<	5							
L-115E 97+25N	201	--	<	5							
L-115E 97+50N	201	--	<	5							
L-115E 97+75N	201	--	<	5							
L-115E 98+00N	201	--	<	5							
L-115E 98+25N	201	--	<	5							
L-115E 98+50N	201	--	<	5							
L-115E 98+75N	201	--	<	10							
L-115E 99+00N	201	--	<	5							
L-115E 99+25N	201	--	<	5							
L-115E 99+50N	201	--	<	5							
L-115E 99+75N	201	--	<	5							
L-115E 100+00N	201	--	<	5							
L-115E 100+25N	201	--	<	5							
L-115E 100+50N	201	--	<	5							
L-115E 100+75N	201	--	<	5							
L-115E 101+00N	201	--	<	5							
L-115E 101+25N	201	--	<	5							
L-115E 101+50N	201	--	<	5							

CERTIFICATION : *Theresa Vankh*



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R5
PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 2E0

Project: B SOIL - 1118
Comments: ATT'N: J. LONDY C.C: O. PIERCE

Page No. : 5
Tot. Pages: 5
Date : 14-JUL-89
Invoice #: I-8919662
P.O. # :

CERTIFICATE OF ANALYSIS A8919662

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA									
L-115E 101+75N	201	---	5									
L-115E 102+00N	201	---	<< 5									
L-115E 102+50N	201	---	<< 5									
L-115E 102+75N	201	---	5									
L-116E 100+00N	201	---	15									
L-116E 100+25N	201	---	<< 5									
L-116E 100+50N	201	---	<<< 5									
L-116E 100+75N	201	---	<<< 5									
L-116E 101+00N	201	---	<< 5									
L-116E 101+25N	201	---	5									
L-116E 101+50N	201	---	<< 5									
L-116E 101+75N	201	---	<< 5									
L-116E 102+00N	---	---	-----									
L-116E 102+25N	---	---	-----									
L-116E 102+50N	---	---	-----									
L-116E 102+62N	---	---	-----									

CERTIFICATION : *Theresa Vank*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD .E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To : NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project : B SOIL - 1118
 Comments: ATT'N: J LONDY C.C: G. PIERCE

Page No. : 1
 Tot. Pages: 4
 Date : 14-JUL-89
 Invoice # : I-8919663
 P.O. # :

CERTIFICATE OF ANALYSIS A8919663

SAMPLE DESCRIPTION	PREP CODE	Au ppb	FA+AA										
L-96E 87+00N	201	--	<	5									
L-96E 87+25N	201	--	<	5									
L-96E 87+50N	201	--	<	5									
L-96E 87+75N	201	--	<	5									
L-96E 88+00N	201	--	<	5									
L-96E 88+25N	201	--	<	5									
L-96E 88+50N	201	--	<	5									
L-96E 88+75N	201	--	<	5									
L-96E 89+00N	201	--	<	5									
L-96E 89+25N	201	--	<	5									
L-96E 89+50N	201	--	<	5									
L-96E 89+75N	201	--	<	5									
L-96E 90+00N	201	--	<	5									
L-96E 90+25N	201	--	<	5									
L-96E 90+50N	201	--	<	5									
L-96E 90+75N	201	--	<	5									
L-96E 91+25N	201	--	<	5									
L-96E 91+50N	201	--	<	5									
L-96E 92+25N	201	--	<	5									
L-96E 92+50N	201	--	<	5									
L-96E 92+75N	201	--	<	5									
L-96E 93+00N	201	--	<	5									
L-96E 93+25N	201	--	<	5									
L-96E 93+50N	201	--	<	5									
L-96E 93+75N	201	--	<	5									
L-96E 94+00N	201	--	<	5									
L-96+10E 92+00N	201	--	<	5									
L-97E 86+92N	201	--	<	5									
L-97E 87+00N	201	--	<	5									
L-97E 87+25N	201	--	<	5									
L-97E 87+50N	201	--	<	5									
L-97E 87+75N	201	--	<	5									
L-97E 88+00N	201	--	<	5									
L-97E 88+25N	201	--	<	5									
L-97E 88+50N	201	--	<	5									
L-97E 88+75N	201	--	<	5									
L-97E 89+00N	201	--	<	5									
L-97E 89+25N	201	--	<	5									
L-97E 89+75N	201	--	<	5									
L-97E 90+00N	201	--	<	5									

CERTIFICATION : *Shuk Vmb*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 450 MATHESON BLVD. E., UNIT 54, MISSISSAUGA,
 ONTARIO, CANADA L4Z-1R5
 PHONE (416) 890-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
 MARATHON, ON.
 POT 2E0

Project : B SOIL - 1118
 Comments: ATT'N: J. LONDRY C.C: G. PIERCE

Page No. : 2
 Tot. Pages: 4
 Date : 14-JUL-89
 Invoice # : I-8919663
 P.O. # :

CERTIFICATE OF ANALYSIS A8919663

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA										
L-97E 90+25N	201	---	<	5								
L-97E 90+50N	201	---	<	5								
L-97E 90+75N	201	---	<	5								
L-97E 91+00N	201	---	<	5								
L-97E 91+25N	201	---	<	5								
L-97E 91+50N	201	---	<	5								
L-97E 91+75N	201	---	<	5								
L-97E 92+00N	201	---	<	5								
L-97E 92+30N	201	---	<	5								
L-97E 92+50N	201	---	4	5								
L-97E 92+75N	201	---	<	5								
L-97E 93+00N	201	---	<	5								
L-97E 93+25N	201	---	<	5								
L-97E 93+75N	201	---	<	5								
L-97E 94+00N	201	---	<	5								
L-98E 86+90N	201	---	<	5								
L-98E 87+00N	201	---	<	5								
L-98E 87+25N	201	---	<	5								
L-98E 87+50N	201	---	<	5								
L-98E 87+75N	201	---	<	5								
L-98E 88+00N	201	---	<	5								
L-98E 88+25N	201	---	<	5								
L-98E 88+50N	201	---	<	5								
L-98E 88+75N	201	---	<	5								
L-98E 89+00N	201	---	<	5								
L-98E 89+25N	201	---	1	5								
L-98E 89+50N	201	---	<	5								
L-98E 89+75N	201	---	<	5								
L-98E 90+00N	201	---	<	5								
L-98E 90+25N	201	---	<	5								
L-98E 90+50N	201	---	<	5								
L-98E 90+75N	201	---	<	5								
L-98E 91+25N	201	---	<	5								
L-98E 91+50N	201	---	<	5								
L-98E 91+75N	201	---	<	5								
L-98E 92+00N	201	---	<	5								
L-98E 92+25N	201	---	<	5								
L-98E 92+50N	201	---	<	5								
L-98E 92+75N	201	---	<	5								
L-98E 93+00N	201	---	<	5								

CERTIFICATION :

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers
450 MATHEWSON BLVD., E., UNIT 34, MISSISSAUGA,
ONTARIO, CANADA L4Z-1R3
PHONE (416) 698-0310

To: NORANDA EXPLORATION CO., LTD.

BAG SERVICE #8
MARATHON, ON.
POT 280

Project: 1116-F3

Comments: ATT'NI J. LONDY C.G. G. PIERCE

Page No. : 1
Tot. Pages: 1
Date : 7-AUG-89
Invoice #: 1-8922327
P.O. # :

CERTIFICATE OF ANALYSIS A8922327

SAMPLE DESCRIPTION	PREP CODE	Au ppb FA+AA											
L-N-B 2+50N	201												
L-N-B 2+75N	201												
L-N-B 3+00N	201												
L-N-B 3+25N	201												
L-N-B 3+50N	201												
L-N-B 3+75N	201												
L-N-B 4+00N	201												
L-N-B 4+25N	201												
L-N-B 4+50N	201												
L-N-B 4+75N	201												
L-28B 101+88N	201												
L-28B 102+13N	201												
L-28B 102+38N	201												
L-28B 102+63N	201												
L-28B 102+88N	201												
L-28B 103+13N	201												
L-28B 103+38N	201												
L-28B 103+63N	201												
L-28B 103+88N	201												

CERTIFICATION :

CHEMEX LABS

416 864 0216



W8905.00182

N

Type of Survey(s) Geological		Township or Area Pilot Harbour WAWA	
Claim Holder(s) Central Crude Ltd. Noranda Exploration Company, Limited		Prospector's Licence No. A-34387 T.1361	
Address 55 Yonge Street, Suite 301, Toronto, Ontario M5E 1J4 P.O. Box 2656, Thunder Bay, Ontario P7B 5G2			
Survey Company Noranda Exploration Company, Limited		Date of Survey (from & to) 09 06 89 10 08 89 Day Mo. Yr. Day Mo. Yr.	Total Miles of line Cut 17.4
Name and Address of Author (of Geo-Technical report) Michael J. Miller, P.O. Box 2656, Thunder Bay, Ontario P7B 5G2			

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	40
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and opposite here	- Electromagnetic	
	- Magnetometer	
SAULT STE MARIE MINING DIV.	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	- Electromagnetic	
	- Magnetometer	
	Radiometric	

Expenditures (excluding Airborne Credits)

Type of Work Performed: **RECORDED**

Performed on Claim(s): **SEP 19 1989**

Receipt No. _____

Calculation of Expenditure Days Credits

Total Expenditures: **\$** + **15** = **.** Total Days Credits

Instructions: Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date: **September 12/89**

Recorded Holder or Agent (Signature): *Ronna F. Tergie*

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
SSM	1037323		SSM	1037346	
	1037324			1037347	
	1037325			1037348	
	1037326			1037349	
	1037327			1037350	
	1037328			1037351	
	1037329			1037352	
	1037330			1037353	
	1037331			1037354	
	1037332			1037355	
	1037333			1037356	
	1037334			1037357	
	1037335			1037358	
	1037336			1037359	
	1037337			1037360	
	1037338			1037361	
	1037339			1037362	
	1037340			1037393	
	1037341			1037394	
	1037342			1037395	
	1037343			1037396	
	1037344			1037397	
	1037345			1037398	

see attached sheet

Total number of mining claims covered by this report of work. **50**

For Office Use Only

Total Days Cr. Recorded: **2,000**

Date Recorded: **Sept. 19/89**

Date Approved as Recorded: *see revised statement!*

ACTING Mining Recorder: *C. A. Kuryle*

Branch Director: *C. A. Kuryle*

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Ronna F. Tergie, P.O. Box 2656, Thunder Bay, Ontario P7B 5G2

Date Certified: **Sept. 12, 1989**

Certified by (Signature): *Ronna F. Tergie*

Claim No.

SSM.1037399

1037400

1037401

1037402



Ministry of
Northern Development
and Mines

Report of Work

(Geophysical, Geological,
Geochemical and Expenditures)

DOCUMENT No.
W8905-181

- Instructions: - Please type or print.
- If number of mining claims traversed exceeds space on this form, attach a list.
Note: - Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Mining Act

Type of Survey(s) Geochemical	Township or Area Pilot Harbour (Wawa)
Claim Holder(s) Central Crude Ltd. Noranda Exploration Company, Limited	Prospector's Licence No. A-34387 T.1361
Address 55 Yonge Street, Suite 301, Toronto, Ontario MSE 1J4 P.O. Box 2656, Thunder Bay, Ontario P7B 5G2	
Survey Company Noranda Exploration Company, Limited	Date of Survey (from & to) 08, 06, 89 07, 07, 89
Total Miles of line Cut	
Name and Address of Author (of Geo-Technical report) Michael Miller, P.O. Box 2656, Thunder Bay, Ontario P7B 5G2	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
SSM	1037323	33	SSM	1037347	33
	1037324	33		1037348	33
	1037325	33		1037349	33
	1037326	33		1037350	33
	1037327	33		1037351	33
	1037328	33		1037352	33
	1037329	33		1037353	33
	1037330	40		1037354	33
	1037331	33		1037355	33
	1037332	33		1037356	33
	1037333	33		1037357	33
	1037334	33		1037358	33
	1037335	33		1037359	33
	1037336	33		1037360	33
	1037337	40		1037361	33
	1037338	36		1037362	33
	1037339	36		1037393	36
	1037340	15.8		1037394	36
	1037342	36		1037395	36
	1037343	33		1037396	36
	1037344	33		1037397	36
	1037345	33		1037398	36
	1037346	33		1037399	33

RECEIVED
AUG 28 1989
AM. 7 8 9 10 11 12 1 2 3 4 5 6

RECORDED
AUG 29 1989
Receipt No.

Airborne Credits
Note: Special provisions credits do not apply to Airborne Surveys.

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)
SSM.1037323-1037340 incl., 1037342 -
1037362 incl., 1037393-1037401 incl.

Calculation of Expenditure Days Credits

Total Expenditures	Total Days Credits
\$ 24604.25	1640.3

Instructions
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

see attached list

Total number of mining claims covered by this report of work. **49**

Date **Aug 24, 1989** Recorded Holder or Agent (Signature) *Ronna F. Tergie*

For Office Use Only
Total Days Cr. Recorded **1640.3** Date Recorded **Aug 28 1989** Mining Recorder *C. J. Kuylo*
Date Approved as Recorded **28 Dec 89** Branch Director *W. Blencoe*

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
Ronna F. Tergie, P.O. Box 2656, Thunder Bay, Ontario P7B 5G2

Date Certified **Aug 24, 1989** Certified by (Signature) *Ronna F. Tergie*

<u>Claim Numbers</u>	<u>Expend. Days Credit</u>
SSM.1037400	33
1037401	33
1037402	32.5
	<hr/>
Total	1640.3



Recorded Holder
CENTRAL CRUDE LTD.

Township or Area
PILOT HARBOUR AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic _____ days Magnetometer _____ days Radiometric _____ days Induced polarization _____ days Other _____ days Section 77 (19) See "Mining Claims Assessed" column Geological <u>40</u> days Geochemical _____ days Man days <input type="checkbox"/> Airborne <input type="checkbox"/> Special provision <input checked="" type="checkbox"/> Ground <input checked="" type="checkbox"/> <input type="checkbox"/> Credits have been reduced because of partial coverage of claims. <input type="checkbox"/> Credits have been reduced because of corrections to work dates and figures of applicant.	SSM 1037323 to 335 incl. 1037338 to 347 incl. 1037350 to 355 incl. 1037357 to 362 incl. 1037393 to 402 incl.

Special credits under section 77 (16) for the following mining claims

30 days Geological SSM 1037336-337, 1037349, 1037356

10 days Geological SSM 1037348

No credits have been allowed for the following mining claims

not sufficiently covered by the survey insufficient technical data filed

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.



Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

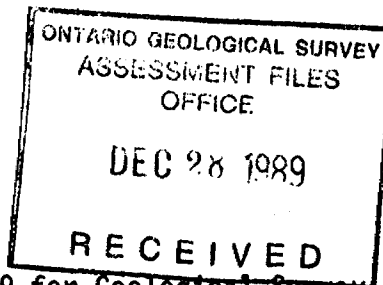
December 27, 1989

Mining Lands Section
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

Your File: W8905-182
Our File: 2.12724

Mining Recorder
Ministry of Northern Development and Mines
875 Queen Street East
Box 669
Sault Ste. Marie, Ontario
P6A 2B3



Dear Sir:

Re: Notice of Intent dated November 28, 1989 for Geological Survey
submitted on Mining Claims SSM 1037323 et al in Pilot Harbour Area.

The assessment work credits, as listed with the above-mentioned Notice of Intent
have been approved as of the above date.

Please inform the recorded holder of these mining claims and so indicate on your
records.

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

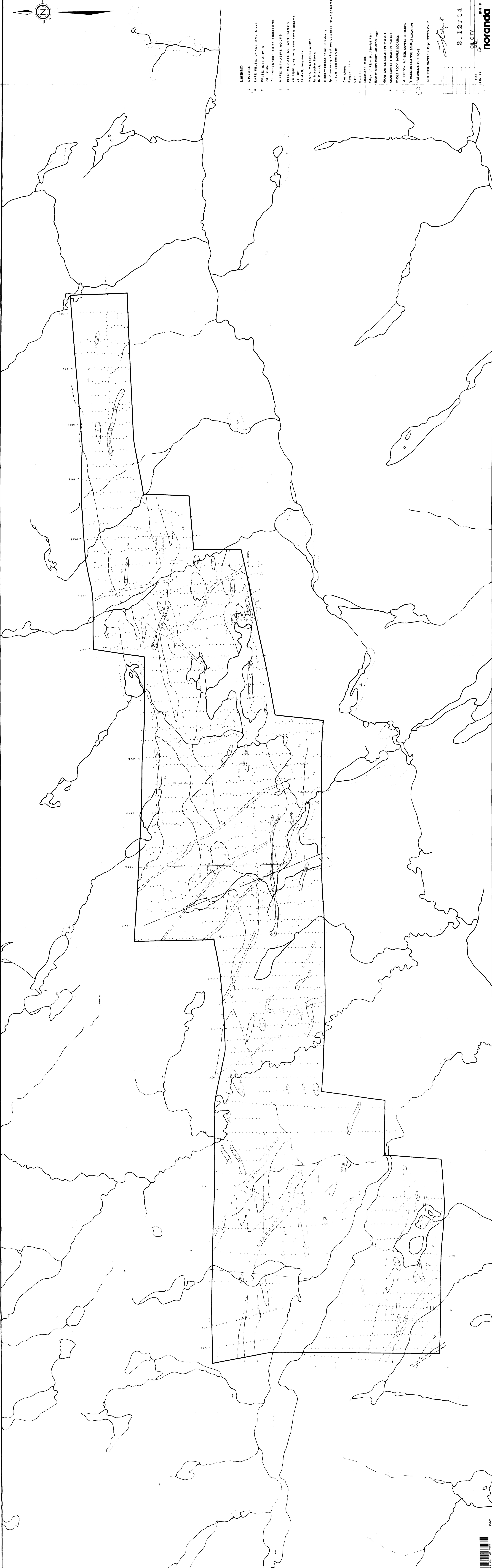
R.M.
RM:eb
Enclosure

cc: Mr. G.H. Ferguson
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Wawa, Ontario

Central Crude Ltd.
301-55 Yonge Street
Toronto, Ontario
M5E 1J4

Michael J. Miller
P.O. Box 2656
Thunder Bay, Ontario
P7B 5G2



LEGEND

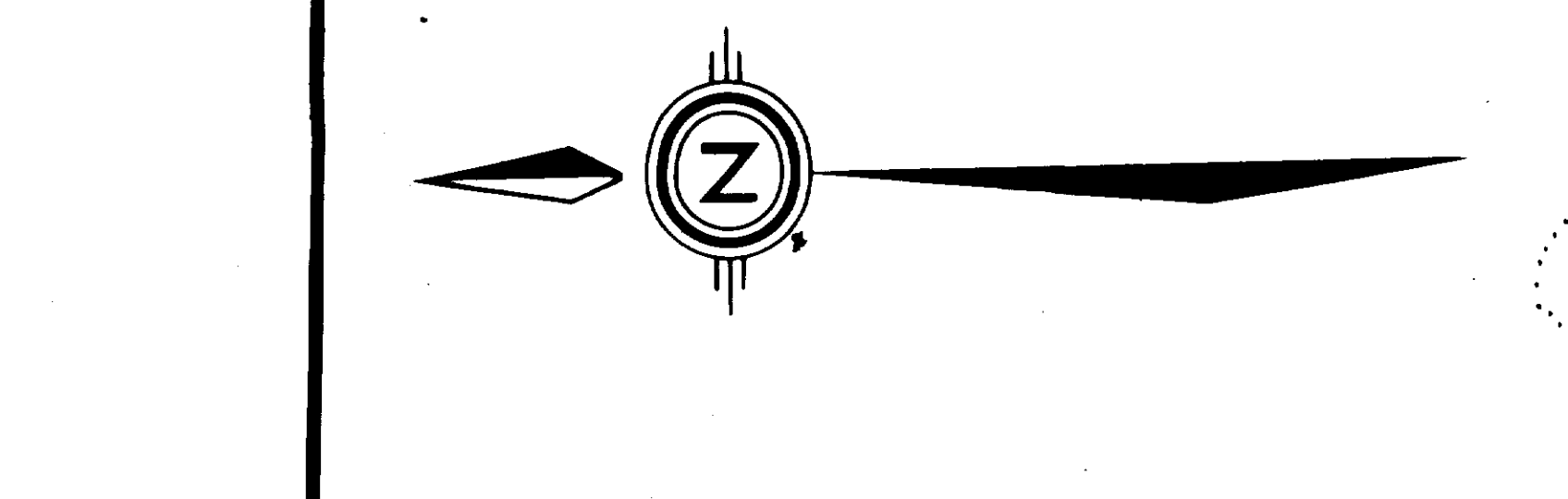
- 6 DIBASE
 - 8 LATE FELSIC DYKES AND SILLS
 - 7 FELSIC INTRUSIVES
 - 7a Dykes
 - 7b Hornblende - biotite gneissobite
 - 5 MAFIC INTRUSIVE ROCKS
 - 2 INTERMEDIATE METAVOLCANICS
 - 2a Light grey or green flows (dikes)
 - 21 Tuff
 - 1 MAFIC METAVOLCANICS
 - 1a Breccia
 - 1b Intermediate - fine intrusives
 - 1c Massive flows
 - 1d Tuff-agglomerate
 - 11 Tuff-agglomerate
- Cut Lines
- Passage Lin
- City
- County
- Lineament (hour)
- Edge of Neoproterozoic Lacustrine Plain
- GRAV SAMPLE LOCATION -10 GT
- GRAV SAMPLE LOCATION -10 GT
- WHOLE ROCK SAMPLE LOCATION
- A HORIZON /AU SOIL SAMPLE LOCATION
- B HORIZON /AU SOIL SAMPLE LOCATION
- AU ANOMALOUS ZONE
- NOTE: SOIL SAMPLE - spot NOTED ONLY

2.12724

OIL CITY
SHEET
L.R.
4 IN 13
15000

notanda





**GEOLOGICAL
COMPILATION**

ORLANDO, FLORIDA

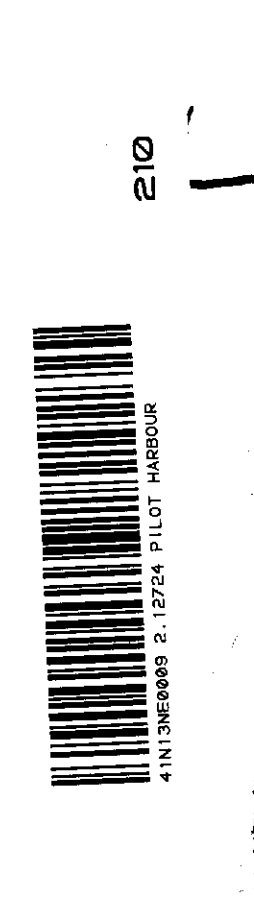
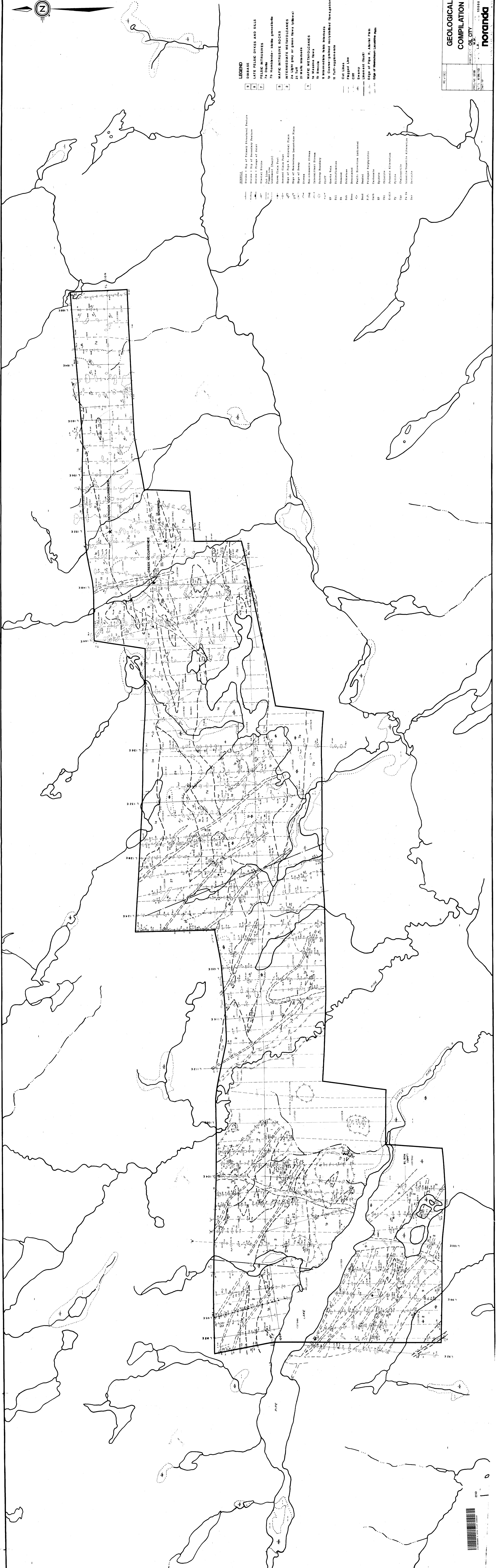
PROJECT NO. 1118
DATE: 12/15/13
SHEET 1 OF 1

15000

noranda

LEGEND

9	DATABASE	Strata - Top of Primary Structural Feature
8	LATE TELSIC DYKES AND SELLS	Strata - Top of Secondary Feature
7	TECTONIC THRUSTS	Strata - Edge of Joint
6	7a Dike	Strata - Edge of Joint
5	7b Hornblende - biotite granodiorite	Strata - Edge of Joint
4	MAFC INTRUSIVE ROCKS	Strata - Edge of Joint
3	INTERMEDIATE METAVOLCANICS	Strata - Edge of Joint
2	21 Tuff	Strata - Edge of Joint
1	MAFC METAVOLCANICS	Strata - Edge of Joint
1b	Mafic flows	Strata - Edge of Joint
1c	Intermediate-felsic intrusives	Strata - Edge of Joint
1d	Intermediate-acid intrusives	Strata - Edge of Joint
1e	Intermediate-acid intrusives	Strata - Edge of Joint
1f	Intermediate-acid intrusives	Strata - Edge of Joint
1g	Intermediate-acid intrusives	Strata - Edge of Joint
1h	Intermediate-acid intrusives	Strata - Edge of Joint
1i	Intermediate-acid intrusives	Strata - Edge of Joint
1j	Intermediate-acid intrusives	Strata - Edge of Joint
1k	Intermediate-acid intrusives	Strata - Edge of Joint
1l	Intermediate-acid intrusives	Strata - Edge of Joint
1m	Intermediate-acid intrusives	Strata - Edge of Joint
1n	Intermediate-acid intrusives	Strata - Edge of Joint
1o	Intermediate-acid intrusives	Strata - Edge of Joint
1p	Intermediate-acid intrusives	Strata - Edge of Joint
1q	Intermediate-acid intrusives	Strata - Edge of Joint
1r	Intermediate-acid intrusives	Strata - Edge of Joint
1s	Intermediate-acid intrusives	Strata - Edge of Joint
1t	Intermediate-acid intrusives	Strata - Edge of Joint
1u	Intermediate-acid intrusives	Strata - Edge of Joint
1v	Intermediate-acid intrusives	Strata - Edge of Joint
1w	Intermediate-acid intrusives	Strata - Edge of Joint
1x	Intermediate-acid intrusives	Strata - Edge of Joint
1y	Intermediate-acid intrusives	Strata - Edge of Joint
1z	Intermediate-acid intrusives	Strata - Edge of Joint
20	Basalt	Strata - Edge of Joint
19	Andesite	Strata - Edge of Joint
18	Diorite	Strata - Edge of Joint
17	Gabbro	Strata - Edge of Joint
16	Granite	Strata - Edge of Joint
15	Quartzite	Strata - Edge of Joint
14	Schist	Strata - Edge of Joint
13	Metachert	Strata - Edge of Joint
12	Chert	Strata - Edge of Joint
11	Sandstone	Strata - Edge of Joint
10	Siltstone	Strata - Edge of Joint
9	Shale	Strata - Edge of Joint
8	Claystone	Strata - Edge of Joint
7	Limestone	Strata - Edge of Joint
6	Dolomite	Strata - Edge of Joint
5	Gypsum	Strata - Edge of Joint
4	Halite	Strata - Edge of Joint
3	Unconsolidated	Strata - Edge of Joint
2	Unconsolidated	Strata - Edge of Joint
1	Unconsolidated	Strata - Edge of Joint



10