GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL AND DIAMOND DRILLING ON THE JOE ANNE I, JOE ANNE II, RINA, AND CARDINAL GROUPS OF CLAIMS

<u>Joe Anne I Group</u>

Joe Anne I	1838(8)
Joe Anne III	1940(8)
Joe Anne 5	1939(10)
Joe Anne 6	2574(3)
P-3	2525(12)

<u>Joe Anne II Group</u>

Joe Anne II	1839(8)
Joe Anne IV	1841(8)

<u>Rina Group</u>

Rina 1	1594(10)
Rina 2	1624(12)
Rina 3	1625(12)
PC-1	2512(11)
PC-2	2513(11)

<u>Cardinal Group</u>

Cardinal I	2496(11)
Cardinal II	2497(11)
BW I	2515(11)

NANAIMO MINING DIVISION

N.T.S. 92F/11, 14

Latitude ~~46~~ 49°46'30"N Longitude 125°22'00"W

Part 1 of 2

Owner/Operator: Noranda Exploration Company, Limited (no personal liability)

Authors : Terence J. McIntyre
Dennis R. Bull
Lyndon Bradish

Date : January 27, 1989

TABLE OF CONTENTS

APPENDICES

LIST OF FIGURES

1.0 INTRODUCTION

1.1 Location and Access

The Forbidden Plateau property is located 27 kilometres west of the town of Courtenay, British Columbia, as shown in the Property Location Map, Figure #1.

The property can be reached via Mount Washington Ski Hill Road, as far as the Cross County Ski Lodge, and following logging roads towards Divers' Lake.

The Mount Washington Ski Hill Road is a well maintained gravel road as far as the ski lodge. Beyond this point access is via logging roads which are generally in fair condition. The remaining 1 1/2 kilometres to the property is via a drill road which is suitable only for tracked vehicles.

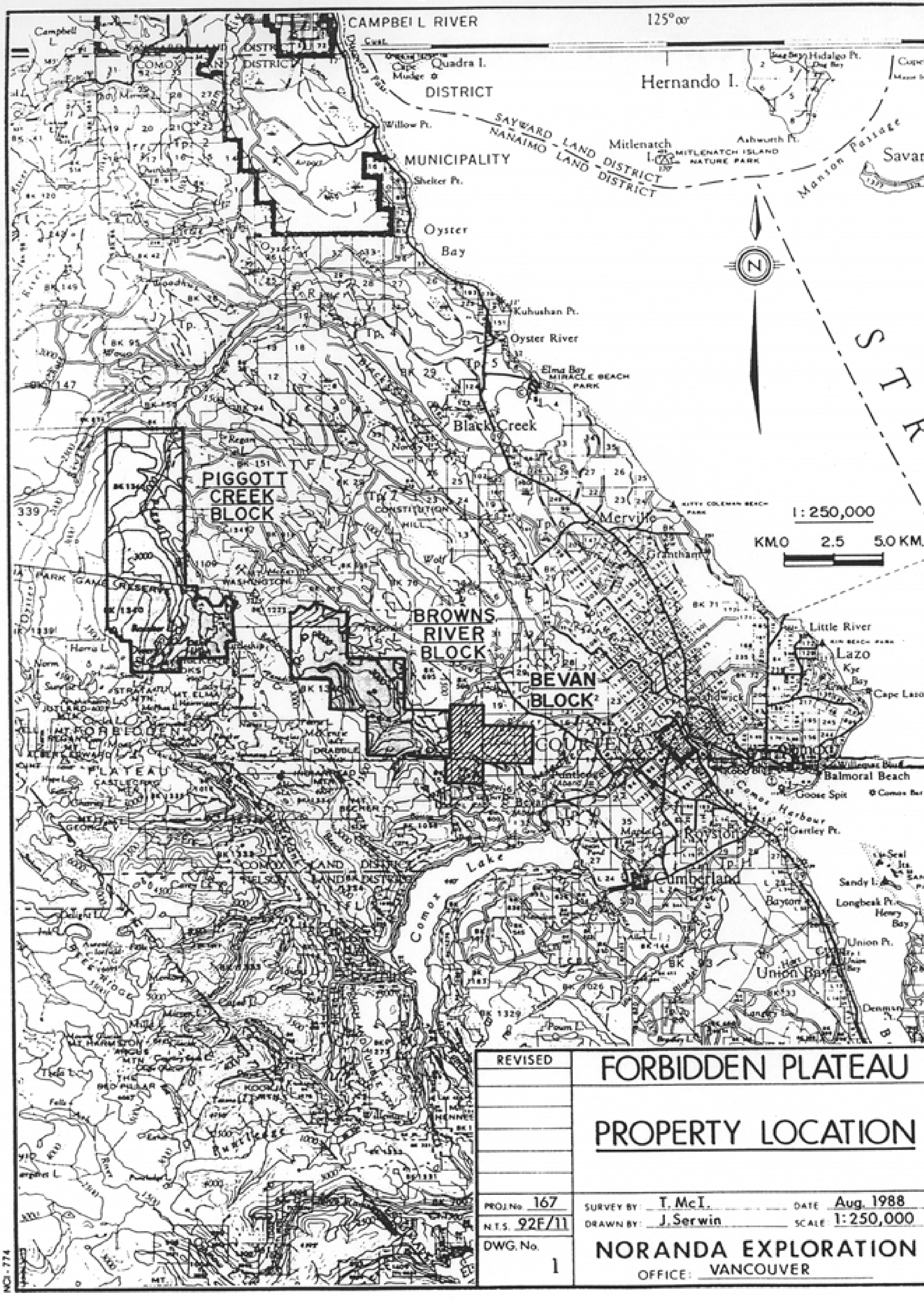
1.2 Physiography, Climate and Vegetation

The Divers' Lake Grid is located along the lower eastern rise of Forbidden Plateau, on the Vancouver Island Ranges subdivision of the Insular Mountains physiographic zone. The grid lies between the elevations of 3000 feet to the north and rises to 4100 feet at the base of Mount Brooks to the west.

October to May is cold and wet with significant snowfall at higher elevations. Snow accumulations often exceed 5 metres and persist well into late spring and early summer. For this reason, work in the Divers Lake area would be extremely difficult prior to mid-June, whilst at lower elevations work can normally commence a month earlier.

During most summer seasons, bright sunny days and dull rainy days occur in approximately equal numbers, with daytime temperatures averaging 18~20°C and occasionally reaching 25~30°C. In spring and fall the days are cooler, and generally more rainy. Yearly precipitation averages 100 cm.

The Divers' Lake area has not been logged and typically consists of mature stands of timber interspaced with huckleberry bushes.


CAMPBELL RIVER
125° 00'
Quadra I.
DISTRICT
Hernando I.
MUNICIPALITY
SAYWARD LAND DISTRICT
NANAIMO LAND DISTRICT
Mitlenatch I.
MITLENATCH ISLAND NATURE PARK
Manson Passage
Oyster Bay
Kuhushan Pt.
Oyster River
Elma Bay
MIRACLE BEACH PARK
Black Creek
STR
PIGGOTT CREEK BLOCK
BROWNS RIVER BLOCK
BEVAN BLOCK
Merville
Grantham
Little River
Lazo
Cape Lazo
COURTENAY
Comox
Balmoral Beach
Goose Spit
Comox Harbour
Royston
Cumberland
Comox Lake
Union Bay
FORBIDDEN PLATEAU
MT. WASHINGTON
1:250,000
KM.0 2.5 5.0 KM.
REVISED
FORBIDDEN PLATEAU
PROPERTY LOCATION
PROJ. No. 167
N.T.S. 92F/11
DWG. No. 1
SURVEY BY: T. McI.
DATE Aug. 1988
DRAWN BY: J. Serwin
SCALE 1:250,000
NORANDA EXPLORATION
OFFICE: VANCOUVER
NCI-774

1.3 Claims

The Forbidden Plateau group of claims are situated in the Nanaimo Mining Division and include the following claims:

CLAIM NAME	RECORD NO.	UNITS	EXPIRY DATE
Anderson 1	2292	1	Mar. 10, 1990
Anderson 2	2293	1	Mar. 10, 1990
Anderson 3	2294	1	Mar. 10, 1990
Anderson 4	2295	1	Mar. 10, 1990
Cardinal 1	2496	20	Nov. 03, 1990
Cardinal 2	2497	8	Nov. 10, 1990
Cardinal 3	2580	20	Mar. 05, 1990
Joe Anne I	1838	20	Aug. 08, 1990
Joe Anne II	1839	20	Aug. 08, 1990
Joe Anne III	1840	20	Aug. 08, 1990
Joe Anne IV	1841	20	Aug. 08, 1990
Joe Anne 5	1939	20	Oct. 30, 1991
Joe Anne 6	2574	20	Mar. 05, 1991
P 3	2525	20	Dec. 01, 1990
PC 1	2512	20	Nov. 14, 1990
PC 2	2513	20	Nov. 14, 1990
Rina 1	1594	20	Oct. 18, 1990
Rina 2	1624	20	Dec. 02, 1990
Rina 3	1625	20	Dec. 02, 1990
BW-1	2515	20	Nov. 28, 1990
Reward 1	2575	1	Mar. 05, 1990
Reward 2	2576	1	Mar. 05, 1990
Reward 3	2577	1	Mar. 05, 1990
Reward 4	2578	1	Mar. 05, 1990
Reward 5	2579	1	Mar. 05, 1990

The claims are owned by Iron River Resources Ltd.

Noranda Exploration Company, Limited is the current operator and has the option to earn a 51% interest with Iron River Resources retaining a 49% interest.

1.4 Crown Forest Licence Agreement

A summary of the Licence Agreement between Noranda and Crown Forest (now called Fletcher Challenge) appears in Appendix I.

1.5 Regional Geology

Regional mapping in this area was done by J.E. Muller, D.J.T. Carson, G.C. Gunning and W.G. Jeffery, Figure #2a. Thesis work by D.J.T. Carson (1960) contributed much to the understanding of the geology in this area, as did the more recent work of J.E. Muller and D.J.T. Carson (1964, G.S.C. Paper 68-50).

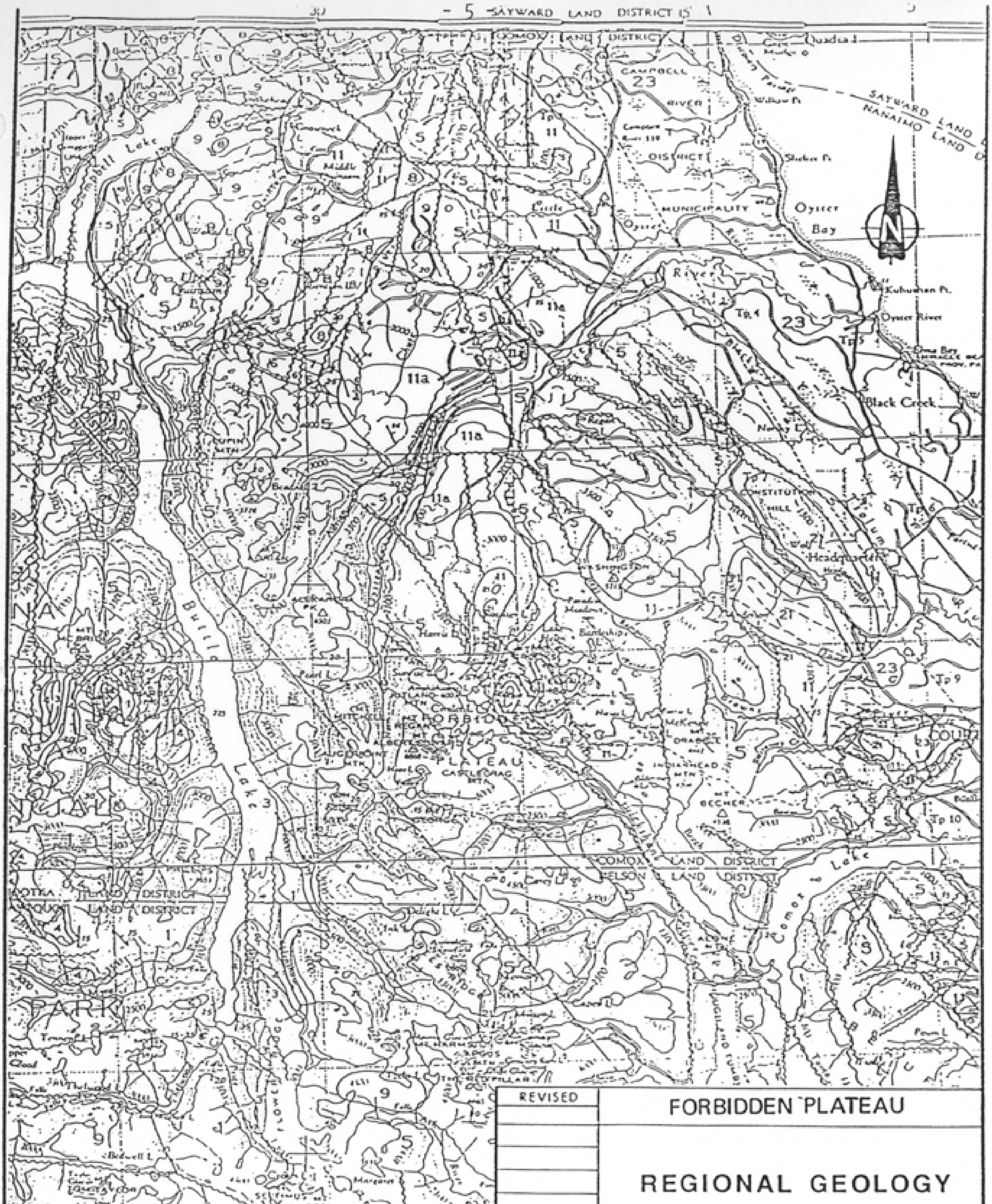
The area covered by this report is underlain by Upper Triassic and older Karmutsen Formation basic volcanics. Unconformably overlying the Karmutsen is the Upper Cretaceous Nanaimo Group Haslam and Comox Formations which consist of fine to coarse grained sediments. Subsequent quartz diorite-monzonite intrusions, of Late Cretaceous to Tertiary age, intruded the Karmutsen Formation, and Haslam and Comox Formations forming stocks, sills, and dykes. These intrusions have formed breccias composed of basalt, sedimentary, and diorite fragments in a fine to medium grained quartz-biotite matrix. The breccias have proven to be a favourable stratigraphic unit for hosting sulphide mineralization.

1.6 Previous Work

In 1984 the Divers' Lake area was geologically mapped and sampled by K.E. Northcote. The Selco Division of B.P. Resources Canada Limited conducted a geological and soil geochemical programme in this area in 1985. In 1986 Noranda flew airborne mag and E.M. geophysics and performed grid and soil geochemistry surveys on the Valentine Zone, in the northern part of the Piggott Creek Block.

During the summer and fall of 1987 Noranda conducted an extensive exploration programme consisting of grid establishment, geological mapping, geochemical rock, soil, silt and pan sampling, and geophysical surveys. The results of this work identified the Divers' Lake area, at the south end of the Piggott Creek Block (Figure #1) as the area with most economic potential.

In 1988 the programme concentrated on the Divers Lake area, as well as the Elnora Zone, the Anderson Showing, and the Cardinal Claims. Details of work performed, results obtained, and interpretation are discussed in Sections 2 and 3 of this report.



REVISED	FORBIDDEN PLATEAU
	REGIONAL GEOLOGY
PROJ No. 167	SURVEY BY: P.G. Wilson / C.D. Frew DATE: February, 1988
N.T.S. 92 F/11	DRAWN BY: T.J. McIntyre / C.D. Frew SCALE: 1:250,000
DWG. No. 2a	NORANDA EXPLORATION
	OFFICE: Vancouver

Scale 1:250,000

0 4 8 12 Miles

0 6 12 18 Kilometres

VANCAL 11927

LEGEND

CENOZOIC

QUATERNARY
PLEISTOCENE AND RECENT

- **23** Glacial and alluvial deposits

TERTIARY

- **22** Rhyolitic, to dacitic tuff, breccia, ignimbrite
- **21** Hornblende quartz diorite, leucoquartz monzonite, porphyritic dacite, breccia

CRETACEOUS OR TERTIARY

- **20** Sandstone, conglomerate

MESOZOIC

CRETACEOUS AND (?) TERTIARY
UPPER CRETACEOUS AND (?) TERTIARY
NANAIMO GROUP (11-19)

- **19** GABRIOLA FORMATION: sandstone, conglomerate, shale

UPPER CRETACEOUS

- **18** SPRAY FORMATION: siltstone, shale, fine sandstone
- **17** GEOFFREY FORMATION: conglomerate, sandstone
- **16** NORTHUMBERLAND FORMATION: siltstone, shale, fine sandstone
- **15** DE COURCY FORMATION: conglomerate, sandstone
- **14** CEDAR DISTRICT FORMATION: shale, siltstone, fine sandstone
- **13** EXTENSION-PROTECTION FORMATION: sandstone, conglomerate, shale, coal
- **12** HASLAM FORMATION: shale, siltstone, fine sandstone
- **11** COMOX FORMATION: sandstone, conglomerate, shale, coal: 11a is BENSON MEMBER: mainly coarse conglomerate

UPPER JURASSIC AND/OR LOWER CRETACEOUS

- **10** 'Tofino Area Greywacke Unit'
  Greywacke, argillite, conglomerate

JURASSIC
MIDDLE TO UPPER JURASSIC

- **9** ISLAND INTRUSIONS: biotite-hornblende granodiorite, quartz diorite

TRIASSIC AND JURASSIC
LOWER JURASSIC(?)
VANCOUVER GROUP (5-8)
BONANZA SUBGROUP (7, 8)

- **8** VOLCANIC DIVISION: andesitic to latitic breccia, tuff and lava; minor greywacke, argillite and siltstone

UPPER TRIASSIC AND LOWER JURASSIC

- **7** SEDIMENTARY DIVISION: limestone and argillite, thin bedded, silty carbonaceous

UPPER TRIASSIC

- **6** QUATSINO FORMATION: limestone, mainly massive to thick bedded, minor thin bedded limestone

UPPER TRIASSIC AND OLDER

- **5** KARMUTSEN FORMATION: pillow-basalt and pillow-breccia, massive basalt flows; minor tuff volcanic breccia. Jasperoid tuff, breccia and conglomerate at base

TRIASSIC OR PERMIAN

- **4** Gabbro, peridotite, diabase

PALEOZOIC

PENNSYLVANIAN, PERMIAN AND OLDER
LOWER PERMIAN
SICKER GROUP (1-3)

- **3** BUTTLE LAKE FORMATION: limestone, chert

MIDDLE PENNSYLVANIAN

- **2** Argillite, greywacke, conglomerate; minor limestone, tuff

PENNSYLVANIAN AND OLDER

- **1** Volcanic breccia, tuff, argillite; greenstone, greenschist; dykes and sills of andesite-porphyry

'WESTCOAST CRYSTALLINE COMPLEX' (A-D)
'BASIC ROCKS'

- **D** Gabbro, peridotite

'TOFINO INLET PLUTON'

- **C** Hornblende-biotite quartz diorite, granodiorite

'WESTCOAST DIORITES'

- **B** Hybrid hornblende diorite, quartz diorite, agmatite; includes masses of hornfelsic volcanic rocks

'WESTCOAST GNEISS COMPLEX'

- **A** Hornblende-plagioclase gneiss, amphibolite, hornfels

Geological boundary (approximate) . . . .
Bedding (inclined, vertical, overturned) . . . .
Schistosity, foliation (inclined) . . . .
Schistosity, foliation and minor fold axes (inclined, vertical, arrow indicates plunge) . . . .
Lineation (axes of minor folds) . . . .
Fault (approximate); lineament . . . .

Geology by J. E. Muller, 1963-1967.
Includes contributions by W.G. Jeffery, D. J. T. Carson

2b. Legend for Regional Geology.

1.7 Property Geology

The following descriptions are summarized from the Geology Section of the 1987 project report.

1.7.1 Vancouver Group

Lithology

Within the Forbidden Plateau property, only the Karmutsen Formation basalts of the Vancouver Group remain.

On the property, the Karmutsen consists of massive flows 1-5 m thick, interbedded with lesser amounts of pillow basalts and minor pillow breccias. The flows and pillow lavas are typically fine grained to aphanitic, dark grey to greenish grey in colour, and weather buff to rusty brown. They are mostly equigranular, but sometimes porphyritic, with phenocrysts of plagioclase feldspar up to 4 mm long, frequently amygdaloidal and occasionally vesicular. Pillow structures are generally ovate in cross section, and average 20 cm x 75 cm in size with chilled margins. Only rarely were pillows found in 3 dimensions, and in these cases they were horizontal to sub-horizontal.

These basalts are frequently chloritic, as evidenced by their green colour. Epidote is common in fractures and Mn staining is pervasive. They are almost always magnetic, and occasionally very magnetic. Amygdule fillings typically consist of zeolites, quartz, chlorite and carbonate.

In several localities a sub-unit of the Karmutsen was found, consisting of rounded to sub-angular, pebble to small cobbles sized clasts of chloritic green basalt in a basaltic matrix. The field name volcanic pile rubble was assigned to this rock type, although it may be better described as an agglomerate. The purpose in noting this here is that the volcanic agglomerate should not be confused with basaltic breccia, of Tertiary Age.

Lithological similarities from one flow to the next makes determination of attitudes of flows difficult. Strike and dip measurements were taken wherever possible and in general were found to be within 10 ~ 15° of horizontal.

The Karmutsen is pervasively fractured throughout. Joint, fault and shear zone orientations were measured wherever they were observed in outcrop.

The Karmutsen Formation basalts are separated from the overlying Nanaimo Group sedimentary rocks by a regional unconformity.

1.7.2 Nanaimo Group

At the base of the Comox Formation, lying immediately above the unconformity, is the Benson Member Conglomerate. This basal conglomerate is composed of well rounded, poorly sorted, pebble and cobble sized clasts of mostly basalt with minor sandstone, and quartz pebble lithologies. The matrix is generally bimodal, with coarse grained basaltic and feldspathic sands as well as clays. Good exposures of the Benson Member occur in the north and southwest parts of the Piggott Creek Block.

Overlying the Benson Member, the remainder of the Comox Formation is composed of medium grained feldspathic sandstones, sub quartzose sandstones, lithic sandstones and minor pebble conglomeratic sandstones. Mudstones and siltstones are interbedded within the sandstones.

The sandstones are variously cemented with silica, calcium carbonate and clays. They are generally quite permeable, and look as though they would offer moderately good pathways for any available hydrothermal fluids.

At the south end of the Piggott Creek claim block, on the flanks of Mount Brooks and the hillside west of Divers Lake, most of the Comox Formation sediments appear to have been affected by heat and/or hydrothermal activity. Northcote (1986) reported very fine grained secondary biotite in these sedimentary rocks, and therefore named them biotite hornfels. Specimens examined in thin section by this author contained what may be biotite, but grain size was too small to make positive identification petrographically. None the less, it is apparent that these sedimentary rocks, on Mt. Brooks and on West Hill to the west of Divers Lake, have been affected by heat and fluids, presumably derived from the dioritic intrusions, of Tertiary Age.

These agents have caused the sediments to become silicified, subsequently much harder and less permeable, and probably hornfelsed up to biotite grade.

Of economic significance, the hornfelsed sedimentary rocks have, in many cases, been mineralized with sulphides, mostly pyrite, and pyrrhotite, with occasional very minor chalcopyrite.

Disseminated sulphides average 1% but ranged as high as 10%. Sulphides in fracture fillings were generally 5~10% but some samples contained up to 20%.

1.7.3 Tertiary Intrusives

Dioritic intrusions of Mid-Tertiary Age (Wanless et al. 1967, 1968 in Muller & Carson) occur in the southern part of the Piggott Creek Block, where they cut, and therefore post date, the sedimentary rocks of the Comox Formation.

These intrusions occur as dykes, sills and small stocks. The diorites are light grey to off-white in colour, weathering buff to light brown. They are fine to medium grained, generally equigranular but occasionally porphyritic, with phenocrysts of plagioclase feldspar up to 3 mm long. Biotite mica and amphibole (hornblende?) make up 5~10% of the rock, giving it a speckled appearance. Minor sulfide mineralization, in the form of pyrite and pyrrhotite was occasionally observed as fracture fillings and sparse disseminations, being generally less than 1% of the rock.

Because of their mineralogical similarities, the diorites are sometimes difficult to distinguish in hand specimen from the hornfelsed feldspathic sandstones. However, this difficulty can be easily overcome by petrographic studies of thin sections.

1.7.4 Related Breccias

In the southern part of the Piggott claim block, on Mt. Brooks and on Shirley Island in Divers Lake, four breccia bodies were mapped in 1987. These breccias vary from each other in their fragment and matrix lithologies as well as in the type and amount of mineralization which they contain. They are all believed to be related to the dioritic intrusive activity of Tertiary age, and are described in detail in the 1987 report.

The four breccia bodies are; the Cliff Breccia, the Summit Breccia, the Shirley Island Breccia, and the Jaws Breccia.

The Cliff Breccia:

The Cliff Breccia outcrops over a distance of approximately 1000 m along the northwest flank of Mt. Brooks, between elevations of 3250' and 3950'. It is by far the most areally extensive breccia body found on the property, and forms cliffs up to 20 metres high.

The Cliff Breccia is composed of angular to sub-angular pebble to cobble sized fragments of diorite. The breccia fragments are contained within a siliceous, light to dark green matrix, with minor vugs containing euhedral quartz crystals up to 5 mm long. The breccia consists of approximately 85% fragments and 15% matrix. The matrix contains minor sulphides (~1%) mostly fine grained pyrite with very minor chalcopyrite.

Geochemical analysis of rock samples of the Cliff Breccia indicated slightly elevated values for copper, silver and gold.

The Summit Breccia:

The Summit Breccia occurs in three outcrops on the dome-shaped lower summit of Mt. Brooks. Spatial relationships between these three outcrops, suggests a breccia body at least 200 metres in diameter, although part of this lies within Strathcona Park.

The Summit Breccia is composed of angular pebble to cobble sized fragments of silicified fine grained sandstones and siltstones. The matrix is very fine grained, mostly silica, and is very tight. Minor disseminated very fine grained pyrite occurs within the matrix. The pyrite mineralization is generally very sparse, although in one outcrop it was as high as 10%.

Geochemical analyses of rock samples taken from the Summit breccia indicated only slightly elevated values for copper, silver and gold.

The Shirley Island Breccia:

The Shirley Island Breccia occurs on Shirley Island, in the centre of Divers Lake. This is a mixed lithology breccia, composed of angular to sub-angular, pebble to cobble sized fragments of silicified Karmutsen basalt, and silicified Comox siltstones and sandstone. The basaltic fragments in this breccia are dominant over the sedimentary rock fragments by about 2:1.

The matrix, which makes up approximately 15% of the rock is a medium to coarse grained mixture of quartz and carbonate with vugs containing small euhedral quartz crystals. Although the matrix is quite rusty, no sulphide minerals were visible. Geochemical analysis of five rock samples from this breccia produced no anomalous values.

The Jaws Breccia:

The Jaws Breccia, is exposed in one outcrop to the north of Mt. Brooks. This outcrop is continuous for over 150 metres in the creek bed, and the exposure is approximately 5 metres wide.

In gross morphology, the Jaws Breccia has the appearance of a pebble conglomerate. However, on closer examination in hand specimen, it becomes evident that this is a breccia, composed of granule to large pebble sized, angular to sub-rounded fragments of pre-existing lithologies, in a fine grained matrix containing 1~2% very fine grained disseminated pyrrhotite. Examination of thin sections from the Jaws Breccia has shown that this rock is quite different from other breccias found on the property so far.. The rock is ~60% fragments, 40% matrix. The small breccia fragments are diorite, silicified and carbonatized basalt, and silicified Comox siltstones and sandstone. There are also small individual fragments of quartz, feldspar and carbonate. The matrix is fine grained and is composed of carbonate and clay minerals. Some of the fragments exhibit reaction rims, where they are in contact with the matrix. Fragments composed mainly of quartz show extreme undulatory extinction in cross polarized light, indicating that they have been subjected to severe shock stress. For this reason, the Jaws Breccia is believed to be a diatreme breccia, produced by explosive activity.

Unfortunately, results of geochemical analyses of taken in 1987 from the Jaws Breccia were disappointing, as they produced only background values for copper, silver and gold.

1.8 Personnel

During the 1988 exploration programme the following Noranda personnel were involved:

D.R. Bull (Project Geologist), D. Dempsey, C.D. Frew, R. Hunter, D. Lewis, S. Louden, R. MacIntosh, T.J. McIntyre (Party Chief), and B. Northcote.

Geophysical surveys were conducted by Pacific Geophysics.

2.0 1988 PROGRAMME: TECHNIQUES AND PRODUCTION

2.1 Overview

The objectives of the 1988 programme were as follows:

i) To identify drill targets in the Divers Lake/Mount Brooks area, by running an Induced Polarization survey over those zones previously recognised from soil geochemistry anomalies. To drill targets thus identified in order to determine the cause of the geochemical and geophysical anomalies.

ii) To test by mapping, geophysics and drilling, the continuity, thickness and grades of the mineralized horizon observed in outcrop in the Elnora Zone.

iii) To investigate by geological mapping, rock sampling and soil geochemistry, mineralization reported at the Anderson Showing, in the BW and Reward claims of the Browns River Block.

iv) To investigate possible sources of mineralization at or near the unconformable boundary between the Karmutsen Formation basalts and the Nanaimo Group sedimentary rocks on the Anderson claims

The work consisted of grid establishment, geological mapping, rock and soil sampling for geochemical analysis, Induced Polarization surveys, drill road access and diamond drilling.

2.2 Techniques

The line grids were established by Noranda personnel, using compass and hip chain measurements. Lines were flagged and underbrush was cut in order to allow line of sight. Stations were erected at 25 m intervals, using flagged, labelled wooden pickets. Grid installation is summarized below, in Section 2.3:

Soil samples were taken, using track shovels, from the "B" Horizon at depths of between 20-50 cms. Samples were placed in Kraft paper bags and were partially air-dried prior to being shipped to Noranda's Vancouver laboratory for geochemical analysis.

Rock samples were collected in 6 mil polythene bags and sent for analysis by Acme Analytical Laboratories, in Vancouver.

Details of analysis techniques are shown in Appendix III.

Geological mapping was performed in the Divers Lake/Mt. Brooks area at a scale of 1:5,000, in the Elnora Zone at 1:2,500, on the Anderson Showing and the Cardinal Claims at 1:5,000. Rock samples for geochemistry were collected wherever mineralization of economic significance was observed or suspected.

2.3 1988 Production

Grid Establishment

Area	Claims	Line #.	Bearing	Total km
Divers Lake/Mt Brooks	Joe Anne 5	208N	090°	0.55
" " " "	" " "	209N	090°	0.375
" " " "	" " "	210N	090°	0.325
" " " "	" " "	213N	090°	1.05
" " " "	" " "	214N	090°	0.90
" " " "	" " "	215N	090°	0.25
" " " "	" " "	216N	090°	0.90
" " " "	" " "	217N	090°	1.05
Elnora Zone	Rina 1	Recon Line	324°	0.325
Anderson Showing	BW 1	L500N	055°	0.6
Cardinal	Cardinal	L505E	150°	0.5
" "	" "	L508E	150°	0.5
" "	" "	L511E	150°	0.6

Soil Samples

Area	Claims	Lines	Samples
Anderson Showing	BW 1	L500+00N	10
Cardinal	Cardinal	L505E	21
"	"	L508E	26
"	"	L511E	25
Divers Lake/Mt. Brooks	Joe Anne 5	L208N	24
" " " "	" " "	L209N	11
" " " "	" " "	L210N	4

Geological Mapping

Area	Claims	Mandays
Divers Lake/Mt. Brooks	Joe Anne 5	11
Anderson Showing	BW 1	3
Elnora Zone	Rina 1	2
Cardinal	Cardinal 1,2,3	3

Rock Samples for Geochemistry

Area	Claims	Samples
Divers Lake/Mt. Brooks	Joe Anne 5	8
Anderson Showing	BW 1	10
CARDINAL AREA	CARDINAL 1	3

Geophysics: Induced Polarization Surveys

Area	Claims	km
Divers Lake/Mt. Brooks	Joe Anne 5	5.85
Elnora Zone	Rina 1	0.425

Diamond Drilling

Area	Claims	Holes	Total m	Total Samples
Divers Lake/Mt. Brooks	Joe Anne5	6	780.56	517
Elnora Zone	Rina 1	2	98.78	21

3.0 1988 PROGRAMME: RESULTS

3.1 Divers Lake/Mt. Brooks Area

The 1988 project centered mainly on the Divers Lake/Mt. Brooks area and focused on the identification of specific drill targets within the Upper and Lower Divers Anomalies. A 1987 geophysical test programme determined that Induced Polarization techniques best provided drillable targets within the geochemical anomalies. Following a 1988 I.P. survey a series of 6 NQ diamond drill holes tested a portion of the available targets, intersecting several zones of Cu-Ag mineralization.

A re-interpretation of the geological contacts previously established in 1987 was completed using diamond drill hole contact data (Figure #14) and a geological model for Mt. Brooks/Divers Lake is presented.

3.1.1 Geophysics

During the period July 25 to August 2, 1988 an I.P. survey was conducted over the Forbidden Plateau "Divers Lake Grid". The survey was carried out under contract by Pacific Geophysical of Vancouver, B.C. The method employed Time Domain equipment manufactured by Phoenix Geophysics and throughout the survey a 25 metre dipole-dipole array was utilized with readings recorded down to the fourth separation.

3.1.1.1 Instrumentation

Induced Polarization System

The I.P. survey employed a Frequency Domain system manufactured by Phoenix Geophysics of Toronto, Ontario. The transmitter and generator have a capacity of 1.2 Kilowatts although this amount of power is rarely used. The survey parameters employed for this survey were as follows:

Dipole Array	: Dipole-Dipole
Dipole Length	: 25 metre detail
Separations	: n=4 on detail
Frequencies	: 0.25 and 4.0 Hertz
Parameters Recorded	: Percent Frequency Effect (PFE) & Resistivity (ohm-metres)
I.P. Transmitter	: Phoenix IPT-1 & MG-1
I.P. Receiver	: Phoenix IPV-1

A fixed transmitter setup using up to four Tx dipoles on either side of the transmitter was used throughout the survey. The recorded resistivities indicate that E.M. coupling was negligible.

3.1.1.2 Results

Induced Polarization Survey

Six lines of I.P. were completed on the grid. I.P. and resistivity anomalies were identified that describe an arcuate pattern open to the south end of the grid. The PFE responses are not small discrete sources, however, the resistivity lows coincident with the PFE anomalies tend to be narrow and discrete.

LINE 21200N: This short line has mapped two very poorly defined increases in the Frequency Effect as identified on the section. These occur in an area underlain by high resistivities but themselves appear to be related to minor decreases in the local resistivity.

LINE 21300N: Four PFE anomalies were identified on this line of which three are coincident with discrete low resistivity sources. Of particular interest are the zones located at Stations 30562.5E and at 31450E. These two targets have a resistivity signature indicative of a narrow high conductivity and polarizable source.

LINE 21400N: Three zones of interest were identified on this pseudo-section of which one was rated as a high priority target. this is located at 31325E where a narrow low resistivity source is mapped within a larger but well defined and discrete PFE anomaly. This source stands out well from the surrounding background and is presented as a "clean" anomaly.

LINE 21500N: This line is underlain by two wide anomalous PFE sources. Within the eastern zone the extension of the target discussed above for Line 21400N is observed centered at Station 31325E - 31350E. The resistivity signature here suggests the source to be very narrow and conductive.

LINE 21600N: Two main targets were recorded on this line. The east zone at 31162.5E is the continuation of the source discussed for Lines 21500N and 21400N. The anomaly at the west side of the line (30623.5E) is of a similar signature with the discrete low resistivity, however, it lies within a high PFE background and at the resistivity source a marginal increase above the elevated background in the PFE response is recorded.

LINE 21700N: This line of data recorded anomalous PFE values across its entire surveyed length. Similarly the resistivity pattern is observed to be complex. From the data on the preceding lines it is evident the survey line is sub-parallel to the PFE and resistivity sources and as hinted above overlies the "nose" of an arcuate source.

3.1.1.3 Conclusions

The I.P. survey identified a number of interesting PFE/resistivity targets and these, coincident with geochemical and geological data, enabled us to arrive at suitable drill targets.

3.1.2 Drilling Programme

Six diamond drill holes, totalling 780.56 metres, were drilled on the Divers Lake Grid between September 25, 1988 and October 13, 1988. The drilling programme was carried out to further test geophysical and geochemical anomalies.

The drilling was completed using a Boyles 25A diesel hydraulic diamond drill which is owned and operated by M & B Drilling Ltd. of Powell River, B.C. During the drilling "NQ" type drill rods were used, and dip tests were taken at 60 metre intervals and at the end of the hole. The core is currently being stored at Zebco Developments Ltd., which is located 4 kilometres northwest of Courtenay, B.C.

3.1.2.1 Target

The purpose of the drilling programme was to explore the potential for a Cu/Au deposit within the breccia body found at the base of Mount Brooks.

Evidence for this was based on geochemical and geophysical anomalies combined with geological mapping of the area. Five diamond drill holes were completed in the Upper Divers Lake anomaly and one hole was completed in the Lower Divers Lake anomaly.

3.1.2.2 Drill Hole Parameters

The following table outlines the specifications for each of the diamond drill holes in the Divers Lake area:

Hole #	Co-Ordinates	Bearing	Dip	Length (m)	Date Coll.	Comp.
NFP-88-1	216+OON;312+00E	270°	-45°	100.88	09/25/88	09/27/88
NFP-88-2	214+00N;310+86E	090°	-45°	102.41	09/28/88	09/30/88
NFP-88-3	215+50N;310+75E	090°	-45°	142.03	10/01/88	10/03/88
NFP-88-4	214+00N;312+62E	090°	-45°	146.60	10/04/88	10/07/88
NFP-88-5	214+00N;312+62E	270°	-45°	160.32	10/07/88	10/10/88
NFP-88-6	214+00N;306.52E	090°	-45°	128.31	10/11/88	10/13/88
	TOTAL METRES DRILLED:			780.55		

Recovery averaged 95% to 99%.

3.1.2.3 Drill Core Logging and Sampling

The core was logged on site and 517 samples were selected and split. Sampling was done in 1 1/2 metre intervals unless otherwise warranted by changes in rock type and/or mineralization.

The samples were analyzed by ICP for 29 elements and geochemically analyzed for Au. The analysis was done by Acme Analytical Laboratories Ltd., which is situated at 852 East Hastings, Vancouver, B.C.

3.1.2.4 Drill Hole Geology

Refer to the drill hole logs (Appendix I) for the lithological descriptions and Drawings #1-5 for the drill hole sections.

The geology of the Divers Lake grid area consists of Comox Formation hornfelsed sandstone, Comox Breccia, and Intrusive Breccia. Each of these units have been subsequently intruded by Tertiary dykes.

The hornfelsed sandstone is fine grained, light grey to off-white in colour and has a salt & pepper appearance, due to 5~10% biotite and minor hornblende. It is moderately to intensely hornfelsed and silicified, and is weakly magnetic in part. The Comox Breccia is composed of angular to sub-angular fragments of Comox sediments in a matrix of, (in order of abundance), chlorite, calcite, sulphides, and quartz. The ratio of fragments to matrix is 4:1. Lastly, the Intrusive Breccia is composed of subrounded to rounded fragments of diorite, a minor amount of subrounded to rounded fragments of sandstone in a matrix of, (in order of abundance), chlorite, quartz, calcite, and sulphides. The ratio of Intrusive fragments to sediment fragments is 9:1, and the ratio of fragments to matrix is 9:1.

3.1.2.5 Mineralization and Assay Results

The breccias host the most abundant sulphide content. The sulphides within the breccias range from 0.5 to 3% chalcopyrite, 1-2% pyrrhotite, and a trace of pyrite. The exception is where the breccia is in close proximity to a dyke and here there is a marked increase in the sulphide content.

The alteration assemblage consists of silica, chlorite, calcium carbonate, biotite, epidote, sericite, and clays.

The copper, gold, and silver geochemical analysis is shown in Appendix I.

Gold analysis was generally very low with the exception of DDH-NFP 88-1 where Sample No.7679 returned 1395 ppb over one metre.

3.1.3 Geological Model and Economic Potential

The geological model for the Divers Lake/Mt. Brooks area is similar to that proposed for the nearby Mt. Washington area by D.J. Carson (1960).

STAGE 1: Dioritic intrusions (Tertiary) ascend through the Karmutsen basalts, causing fracturing and doming of the overlying Nanaimo Group sedimentary rocks, thermal metamorphism and metasomatism of both the Karmutsen and Nanaimo.

STAGE 2: Continued episodes of dioritic intrusion accompanied by explosive activity causing fracturing and the formation of breccias.

STAGE 3: Explosive intrusion by quartz and volatile-rich late stage differentiates, causing brecciation of the pre-existing packages and accompanied by base and precious metal mineralization. This last stage also causes further metamorphism and metasomatism of surrounding rocks.

Analysis of core from the 1988 preliminary drilling programme has revealed low but consistent grades for copper and silver within the breccia body. This mineralization appears to be intimately associated with the diorite dykes.

The potential exists for this deposit to be of economic importance should there prove to be sufficient tonnage and better grades.

3.2 Elnora Zone

3.2.1 Geology

Surface geology of the Elnora Zone is shown in Figure #19.

The showing is a brecciated siliceous, (drusy quartz) carbonatized (ankeritic) tabular zone which is mineralized by scattered 1 to 2 cm irregular pods of galena, sphalerite, with lesser chalcopyrite, and at least 2 anisotropic minerals.

The Elnora showing conforms to bedding, is sheared and overlain by gently flexured Karmutsen volcanics. Vein-breccia material was observed only under the cliff at creek level and forming the creek bottom a few metres upstream. It has not been observed in either stream bank elsewhere above or below the main showing.

3.2.2 Geophysics: Induced Polarization Survey

On August 3, 1988, Pacific Geophysical completed a test line of I.P. on the Elnora Zone. The frequency domain survey employed 25 metre dipoles in a dipole-dipole array. Readings w ere recorded down to the fourth separation. Instrumentation was as described in Section 3.1.1.1.

3.2.2.1 Results and Interpretation

The survey defined a low amplitude PFE anomaly centered at Station 262+25N at a depth of n=4 or approximately 40 metres. A geological contact is interpreted at approximately 262+00N. The PFE anomaly appears to extend towards grid north. However, its limits cannot be fully defined due to the limited coverage.

3.2.3 Diamond Drilling

3.2.3.1 Target

Two "NQ" diamond drill holes, totalling 98.75 metres, were drilled between October 16 and October 18, 1988. The objective was to test a showing which outcrops in Piggott Creek and is exposed during periods of low water levels.

3.2.3.2 ELNORA ZONE DRILL PARAMETERS

Hole #	Co-ordinates	Bearing	Dip	Length (m)	Date Coll.	Comp.
NFP-88-7	100+00N;500+00E	--	-90°	44.80	10/16/88	10/17/88
NFP-88-8	100+45N;499+75E	--	-90°	53.95	10/17/88	10/18/88
	TOTAL METERAGE:			98.75		

3.2.3.3 Drill Hole Geology

The geology of the two vertical holes drilled in the Elnora Zone consists of thick sections of Karmutsen Formation basalt with one small intra-flow limestone bed.

Within the basalts are narrow, approximately flat lying alteration zones, the thickest of which was 1.17 metres. These zones consist of hydrothermally altered basalt with quartz-carbonate and clay replacement minerals. The upper and lower contacts are gradational with the basalt. No sulfide mineralization was observed.

3.2.3.4 Mineralization and Analysis

Geochemical analyses (ICP) for Au, Ag, Cu, Pb and Zn were very low. Best values, though not all from the same intersection, were 102 ppb Au, 10.2 ppm Ag, 248 ppm Cu, 720 ppm Pb, and 1245 ppm Zn. The geochemical analysis is presented in Appendix II. The minor mineralization found in the Elnora Zone is not considered to be of economic importance.

3.3 Anderson Showing

The Anderson showing is located within the Reward 4 and BW-1 claims in the central part of the Browns River Block.

3.3.1 Geology

In order to map the showing and determine if similar occurrences exist, three mandays were spent mapping an area approximately 1000m x 800m. The results of geological mapping are shown in Figure #23. Excavation of the showings themselves were done using a small backhoe, contracted from Lee-Dar Contracting, of Courtenay, B.C.

The Anderson showing consists of two small (3m x 2m x 0.6m) discontinuous pods of massive sulfide which occur between flows of Karmutsen Formation basalt. These basalts consist of massive flows and pillow lavas, with minor volcanic breccias and aquagene tuffs.

The pods of massive sulfide are composed of pyrrhotite (~45%), chalcopyrite (~15%), pyrite (~20%), and fine grained quartz (~20%).

Upper and lower contacts are gradational within the basalt, and the pods pinch out at either end. No evidence of hydrothermal alteration was observed around or near the pods.

Several small dykes, of quartz diorite composition, were mapped in the area. These are off white in colour, weathering to light buff brown. They are generally medium grained, equigranular, but occasionally porphyritic with phenocrysts of plagioclase feldspar up to 4 mm long. These dykes are believed to be of Tertiary age. A small, sub-vertical, 5 metre wide fault zone was mapped just north of the #1 showing.

No relationship appears to exist between the sulfide pods and the fault zone or the diorite dykes. For the reasons described above, it is concluded that these two pods of sulfide are syngenetic with the Triassic Karmutsen basalts.

A total of 10 rock samples were collected for geochemical analysis. The locations and results of this sampling are shown in Figure #24. Whilst some of the samples returned encouraging values for Cu & Ag, these occurrences are considered to be too small and isolated to be of economic significance.

3.3.2 Soil Geochemistry

A reconnaissance line was run at a bearing of 054° for a distance of 600 metres over the #1 showing. "B" horizon soil samples were then collected along this line at 50 metre intervals. The objectives of this work were to determine (i) if metals from the sulfide pod would show up as anomalous values in soils, (ii) if any other mineralization might exist in sub-crop.

Results of the soil geochemistry are shown in Figure #25. As may be seen from this map, only erratic, slightly anomalous values occur downslope from the #1 showing.

3.4 Cardinal Area

3.4.1 Geology and Rock Geochemistry

Three mandays were spent mapping an area approximately 1.5 x 1.5 km. Mapping was performed using grid and traverse lines, logging roads, and creek beds for control.

The area is underlain by Karmutsen Formation basalts and Comox Formation sedimentary rocks. One outcrop of Benson Member conglomerate was found. This is believed to represent the unconformable boundary between the underlying Karmutsen and the overlying Comox Formation. No intrusive rocks were observed during mapping and no significant visible mineralization was found within the area. However, of 3 "rock" samples; R-57912, 57913 & 57914 taken just above the ditch on the north side of the Mt. Washington Ski Hill Road, two returned anomalous As, Au values.

These samples were mostly clays and Fe oxide alteration material taken from what appears to be narrow, sub-vertical fault gouge zones. There is no real "rock" in this area, as the whole bank is composed of clays and overburden material. Consequently, there is no outcrop marked in this location on the geology map, although the surrounding area is underlain by Comox Formation sandstones.

3.4.2 Soil Geochemistry

A total of 72 soil samples from the "B" horizon were taken at 50 metre intervals on Lines 505E, 508E & 511E. The results of the soil geochemistry are shown in Figure #27 and in Appendix III.

An anomalous zone occurs at the north end of the grid, on Lines 508E & 511E. Here, anomalous values for As and Au were returned. This soil anomaly correlates with three rock samples of highly altered material described above in Section 3.4.1.

3.4.3 Interpretation

Whilst the majority of the Cardinal area examined shows low economic potential, the small anomalous zone described above warrants further investigation. To the north, off the Cardinal claims, Comox Formation sediments are intensely silicified and hornfelsed, up to biotite grade. This metamorphism and metasomatism is believed to have been caused by dioritic intrusives, of Tertiary Age, on the east arm of Mt. Washington. This intrusive activity may have been the source of the As, Au mineralization discovered through soil and rock geochemistry.

4.0 CONCLUSIONS

4.1 Divers Lake/Mt. Brooks Area

Diamond drill holes NFP 88-2, 3, 5 & 6 encountered short intersections of low grade Cu, Ag porphyry style mineralization within Comox and intrusive fragment breccia.

4.2 Elnora Zone

The intra flow alteration zones and low grade Pb, Zn and Cu mineralization mapped in outcrop were encountered in diamond drill holes NFP 88-7 & 8. Geochemical analysis of the core returned very low grades across these narrow, flat lying zones.

4.3 Anderson Showing

The two small pods of sulfide mineralization are discontinuous and do not appear to be related to either later faulting or intrusive activity. They are considered to be syngenetic, intra-flow phenomena, within the Karmutsen Formation.

4.4 Cardinal Area

Of the ground covered by geological mapping and soil sampling, only a small area at the north end of the grid proved anomalous. Both soil and rock geochemistry gave moderately anomalous results for Cu, Ag, As, and Au.

This mineralization may be the result of hydrothermal activity associated with dioritic intrusives of Tertiary Age. Intrusions of this type have been mapped on the east arm of Mt. Washington, to the north of the Cardinal claims, but were not found within the Cardinal area itself.

APPENDIX I

DIAMOND DRILL LOGS AND ASSAYS - DIVERS LAKE GRID

LATITUDE : 21600.000
DEPARTURE: 31200.000
ELEVATION: 1091.740
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 270.00 DEG
TOTAL DEPTH : 100.88

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-1

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	100.88	0.00	10.06	CASING
		10.06	37.36	HORNFELSED SANDSTONE METASEDIMENT Fine grained, salt & pepper colored, weakly magnetic moderately to intensely hornfelsed. Sulfides occur as f.f. with orientation 23 degrees ACA. 15.77-16.24: sediments are fractured and shot thru with quartz 40 degrees ACA. Wall rock kaolinized sil/hornfelsing 3. 27.43: Jointing 20;40 degrees & 50 degrees ACA. Sulf as f.f. Py 20 degrees ACA 23.30-26.39: Hairline to f.f. 20 & 40 degrees ACA. 29.29-29.74: sulfide zone, upper contact 45 degrees, lower contact 65 degrees. Sulfides are semi mass with quartz flooding. HORNFELSED SANDSTONE Core is mottled purple, grey, light green and white. 30.84-31.87: Sulf as f.f. 25 degrees & 30 degrees ACA. Sericite in fractures occurring with Py and Po.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				31.87-32.36: Sulfide zone. Upper contact 80 degrees, lower contact 70 degrees ACA. Sulfides are semi mass in matrix & occur as f.f. in center 55 degrees ACA & qtz flooding. 32.36-33.84: sulf as f.f. 30 degrees & 40 degrees ACA. Quartz porphyoblasts circular and oval in shape 7 to 12mm in diameter.
		37.63	38.04	QUARTZ VEIN Bull quartz, vuggy, with euhedral quartz crystals, upper contact 15 degrees, lower contact 38 degrees. Minor chl 1-2% Po, trace Cpy.
		74.41	75.00	SANDSTONE BRECCIA Angular to sub angular frags of sandstone recemented with quartz. Matrix 40% frags 60%. Upper contact 30 degrees & lower contact 25 degrees ACA. Sulfides as f.f.
		75.00	100.88	HORNFELSED SANDSTONE Mottled purple, light green, grey and white sulfides as f.f. 76.72-77.72: Interval contains a 3 1/2 cm wide quartz vein with sulfides. Contact 30 degrees ACA. Steel grey sulf sphalerite?

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				94.24-95.33: Interval contains a vein of quartz & sulfides 45 degrees ACA. 96.96-97.07: Fault with slicks. Orientation 30 degrees ACA

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-1

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7651	15.77	16.24	0.47	1.	187.	7.	19.	0.3	31.	1.	12.
7652	23.30	26.39	3.09	1.	131.	2.	21.	0.3	2.	1.	74.
7653	26.39	27.80	1.41	1.	244.	13.	26.	0.2	16.	7.	5.
7654	27.80	29.29	1.49	1.	186.	10.	24.	0.3	4.	2.	9.
7655	29.29	29.79	0.50	1.	1025.	12.	43.	1.1	10.	1.	14.
7656	29.79	30.84	1.05	1.	276.	2.	29.	0.4	6.	1.	3.
7657	30.84	31.87	1.03	1.	393.	2.	25.	0.6	2.	1.	7.
7658	31.87	32.36	0.49	1.	361.	14.	24.	0.3	19.	5.	14.
7659	32.36	33.84	1.48	1.	392.	19.	28.	0.3	8.	1.	1.
7660	33.84	35.31	1.47	1.	363.	2.	33.	0.9	2.	1.	1.
7661	35.31	36.92	1.61	1.	488.	16.	43.	0.7	14.	3.	7.
7662	36.92	38.40	1.48	2.	635.	2.	38.	1.3	7.	1.	12.
7663	38.40	39.85	1.45	1.	226.	10.	30.	0.3	20.	1.	4.
7664	39.85	41.27	1.42	1.	191.	2.	35.	0.5	15.	1.	6.
7665	41.27	43.02	1.75	1.	269.	11.	24.	0.3	10.	1.	2.
7666	43.02	44.35	1.33	2.	314.	2.	25.	0.4	10.	5.	10.
7667	44.35	45.90	1.55	1.	264.	7.	29.	0.4	8.	1.	2.
7668	45.90	47.43	1.53	1.	546.	8.	55.	0.7	5.	1.	12.
7669	47.43	48.93	1.50	3.	1303.	6.	46.	1.7	14.	5.	21.
7670	48.93	50.37	1.44	1.	564.	3.	31.	0.9	2.	1.	6.
7671	50.37	52.04	1.67	1.	279.	2.	24.	0.2	6.	1.	1.
7672	55.99	57.48	1.49	1.	309.	8.	25.	0.3	12.	7.	1.
7673	59.41	60.96	1.55	1.	250.	2.	25.	0.5	3.	1.	3.
7674	66.34	67.87	1.53	1.	272.	3.	25.	0.2	4.	2.	2.
7675	68.78	69.73	0.95	1.	169.	17.	31.	0.1	13.	5.	1.
7676	72.94	74.41	1.47	1.	275.	4.	32.	0.3	181.	1.	2.
7677	74.41	75.00	0.59	1.	86.	92.	147.	0.7	13237.	1.	31.
7678	75.00	76.72	1.72	2.	167.	9.	29.	0.1	34.	3.	2.
7679	76.72	77.72	1.00	2.	165.	13.	95.	0.2	10679.	1.	1395.
7680	77.72	78.71	0.99	1.	148.	3.	24.	0.2	2.	1.	4.
7681	78.71	79.84	1.13	1.	166.	5.	15.	0.1	19.	1.	3.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-1

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7682	79.84	80.97	1.13	1.	496.	11.	28.	0.1	11.	2.	7.
7683	80.97	82.49	1.52	2.	168.	14.	12.	0.1	6.	2.	2.
7684	84.29	85.75	1.46	2.	189.	7.	17.	0.1	11.	3.	6.
7685	85.75	87.24	1.49	2.	242.	10.	26.	0.1	9.	3.	2.
7686	87.24	88.89	1.65	1.	205.	15.	24.	0.1	15.	9.	9.
7687	91.53	93.17	1.64	2.	318.	6.	25.	0.2	132.	4.	44.
7688	93.17	94.24	1.07	1.	814.	11.	40.	0.6	18.	5.	15.
7689	94.24	95.33	1.09	1.	1637.	62.	183.	3.2	189.	2.	177.
7690	95.33	96.83	1.50	1.	256.	3.	32.	0.1	21.	1.	8.

LATITUDE : 21400.000
DEPARTURE: 31086.000
ELEVATION: 1158.180
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 90.00 DEG
TOTAL DEPTH : 102.41

D I A M O N D   D R I L L   L O G

HOLE NO.: NFP88-2

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	102.41	0.00	6.10	CASING
		6.10	54.34	HORNFELSED SANDSTONE Meta sediment, salt & pepper colored & a purple hue. Fine grained magnetic and sulfides occur both as f.f. and finely disseminated with in the sandstone. 12.53-22.71: Core becoming increasingly fractured, and shows signs of alteration. Where there are more open spaces the matrix is chloritic & ser-icite jointing 35 degrees. Core is becoming more consistently a specked light green, purple and white color. 29.60-31.01: Altered chloritic with quartz & calcite, 1cm vein 35 degrees ACA. Euhedral quartz & calcite crystals. 31.01-31.62: Gouge, highly altered crumbly material with no apparent sulfides. Primarily composed of clay 40.00-54.34: Transitional change from fractured to brecciated rock. Matrix of quartz, chl, & cc. Core alternates

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				between being fractured & between being brecciated. For example there are zones of breccia intermittently down the core. 52.00: Fault, slicks 28 degrees ACA.
		54.34	75.36	SANDSTONE BRECCIA Core has now become more consistently brecciated. Contact 68 degrees ACA. Matrix is 20% to 25% with, in order of dominance, chlorite, quartz, calcite & sulfides. 44.80-47.93: Zone of brecciation within the fractured zone. 15% to 20% matrix. Matrix of quartz, calcite, chlorite and sulfides.
		75.37	77.46	DIORITE DYKE (AHd) all amphiboles alt to chl. Light green in color with phenocrysts of chlorite (darker green). Upper contact 45 degrees, lower contact 55 degrees. non magnetic.
		77.46	78.74	HORNFELSED SANDSTONE Same as 54.34-75.36m.
		78.74	79.48	DIORITE DYKE (AHd) Speckled light green, dark green light green matrix, upper contact 30 degrees, lower contact 31 degrees ACA. Similar to 75.37-77.46m.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
		79.48	102.41	SANDSTONE BRECCIA Same as 54.34-75.36m.

DRILL HOLE NUMBER : NFP88-2

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8899	6.41	7.91	1.50	2.	416.	4.	34.	0.6	11.	1.	1.
8900	7.91	9.41	1.50	8.	365.	8.	34.	0.4	11.	1.	1.
8901	9.41	10.91	1.50	1.	530.	4.	28.	0.4	7.	1.	3.
8902	10.91	12.41	1.50	1.	299.	2.	52.	0.5	11.	1.	1.
8903	12.41	13.91	1.50	2.	1854.	3.	107.	1.9	18.	2.	4.
7691	13.91	15.50	1.59	1.	2091.	2.	109.	1.7	9.	1.	6.
8904	15.50	17.00	1.50	1.	527.	5.	104.	1.1	12.	1.	1.
8905	17.00	18.50	1.50	1.	523.	8.	64.	1.4	20.	1.	1.
8906	18.50	19.37	0.87	2.	334.	10.	136.	1.0	31.	1.	1.
8907	19.37	20.25	0.88	1.	1556.	8.	86.	2.4	17.	1.	11.
8908	20.25	21.64	1.39	1.	427.	2.	48.	1.0	13.	1.	3.
8909	21.64	23.15	1.51	3.	955.	21.	102.	1.2	31.	1.	14.
8910	23.15	24.08	0.93	1.	575.	7.	41.	0.7	8.	1.	3.
7692	24.08	25.58	1.50	2.	1078.	18.	144.	2.6	53.	1.	22.
8911	25.58	27.25	1.67	2.	1501.	14.	334.	3.6	228.	1.	31.
8912	27.25	28.57	1.32	2.	548.	71.	707.	1.4	122.	1.	10.
8913	28.57	29.60	1.03	2.	546.	11.	157.	1.0	86.	1.	7.
7693	29.60	31.01	1.41	2.	473.	5.	49.	0.7	166.	1.	23.
7694	31.01	31.62	0.61	2.	426.	3.	31.	0.5	139.	1.	7.
7695	31.62	32.61	0.99	24.	395.	6.	37.	0.5	18.	1.	5.
8914	32.61	33.91	1.30	7.	658.	9.	40.	1.0	9.	1.	14.
8915	33.91	35.60	1.69	1.	675.	2.	38.	1.1	7.	1.	7.
8916	35.60	37.18	1.58	1.	961.	2.	37.	1.4	7.	1.	7.
7696	37.18	38.64	1.46	1.	4068.	9.	164.	6.7	22.	4.	48.
7697	38.64	39.60	0.96	3.	2982.	14.	122.	5.0	27.	83.	21.
7698	39.60	40.84	1.24	2.	10615.	12.	543.	19.6	229.	1.	93.
7699	40.84	42.13	1.29	2.	9819.	10.	447.	16.8	88.	1.	81.
7700	42.13	43.61	1.48	4.	5764.	9.	154.	12.6	86.	1.	29.
7701	43.61	44.72	1.11	3.	16444.	12.	537.	39.7	296.	1.	138.
7702	44.72	46.50	1.78	3.	898.	7.	30.	3.1	129.	1.	4.
7703	46.50	47.03	0.53	2.	1957.	10.	41.	5.1	663.	1.	14.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-2

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7704	47.03	47.93	0.90	3.	4329.	18.	165.	8.3	181.	2.	15.
7705	47.93	49.45	1.52	3.	3422.	13.	137.	8.2	348.	1.	162.
7706	49.45	50.26	0.81	3.	2450.	23.	204.	5.6	153.	1.	23.
7707	50.26	51.69	1.43	3.	919.	9.	60.	1.6	20.	1.	18.
7708	51.69	53.30	1.61	1.	942.	2.	62.	1.8	9.	1.	2.
7709	53.30	54.80	1.50	16.	1698.	7.	95.	2.9	15.	1.	15.
7710	54.80	56.08	1.28	3.	1331.	4.	73.	2.5	27.	1.	8.
7711	56.08	57.53	1.45	5.	1541.	5.	87.	2.9	13.	1.	9.
7712	57.53	59.02	1.49	2.	1310.	9.	75.	2.3	23.	2.	7.
7713	59.02	60.50	1.48	2.	485.	12.	52.	0.7	16.	4.	2.
7714	60.50	62.08	1.58	4.	494.	2.	49.	0.9	9.	1.	2.
7715	62.08	63.76	1.68	2.	939.	7.	75.	2.0	31.	1.	7.
7716	63.76	64.26	0.50	3.	1172.	6.	43.	2.1	16.	3.	3.
7717	64.26	65.22	0.96	7.	7646.	12.	295.	13.2	123.	1.	54.
7718	65.22	67.19	1.97	2.	1143.	10.	68.	1.9	11.	2.	6.
7719	67.19	68.74	1.55	4.	1231.	3.	69.	2.1	31.	1.	18.
7720	68.74	69.97	1.23	4.	12185.	8.	380.	23.2	126.	1.	143.
7721	69.97	71.05	1.08	2.	2040.	10.	81.	4.3	48.	1.	10.
7722	71.05	72.60	1.55	2.	802.	7.	54.	1.5	21.	1.	3.
7723	72.60	73.94	1.34	2.	1468.	14.	42.	4.0	3120.	2.	390.
7724	73.94	75.37	1.43	1.	536.	5.	57.	1.3	27.	1.	5.
8917	75.37	76.76	1.39	1.	380.	4.	31.	0.5	56.	2.	1.
8918	76.76	77.46	0.70	1.	2340.	14.	130.	4.0	118.	1.	18.
7725	77.46	78.74	1.28	4.	1285.	7.	63.	2.0	22.	2.	12.
7726	78.74	79.48	0.74	3.	365.	22.	53.	0.6	73.	1.	6.
7727	79.48	81.03	1.55	2.	1102.	4.	65.	1.6	4.	1.	17.
7728	81.03	82.01	0.98	4.	1970.	10.	112.	3.1	20.	4.	31.
7729	82.01	83.02	1.01	2.	1685.	9.	98.	2.3	11.	2.	61.
7730	83.02	84.43	1.41	2.	1992.	4.	104.	4.2	12.	1.	22.
7731	84.43	85.44	1.01	3.	1798.	6.	84.	3.1	11.	1.	18.
7732	85.44	86.80	1.36	2.	3567.	5.	160.	5.6	11.	3.	34.

DRILL HOLE NUMBER : NFP88-2

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7733	86.80	88.30	1.50	3.	2389.	3.	119.	3.7	10.	1.	55.
7734	88.30	89.91	1.61	2.	2445.	10.	104.	3.1	13.	5.	23.
7735	89.91	91.41	1.50	4.	2019.	3.	90.	2.9	6.	1.	43.
7736	91.41	92.99	1.58	4.	3991.	7.	156.	5.5	33.	2.	85.
7737	92.99	93.99	1.00	2.	2061.	5.	93.	3.1	11.	1.	36.
7738	93.99	95.46	1.47	3.	1872.	4.	89.	3.6	7.	2.	16.
7739	95.46	96.97	1.51	1.	970.	6.	61.	1.5	3.	1.	7.
7740	96.97	98.46	1.49	3.	8801.	15.	289.	12.9	31.	7.	79.
7741	98.46	99.96	1.50	4.	1449.	6.	79.	2.1	9.	1.	7.
7742	99.96	102.01	2.05	3.	2585.	8.	95.	4.2	52.	1.	32.
7743	102.01	102.41	0.40	4.	994.	4.	54.	1.5	10.	1.	9.

LATITUDE : 21550.000
DEPARTURE: 31075.000
ELEVATION: 1131.060
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 90.00 DEG
TOTAL DEPTH : 142.03

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-3

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	142.03	0.00	3.66	CASING
		3.66	59.52	SANDSTONE BRECCIA Angular to sub angular fragments of comox sediments, 2mm to 40cm in size with the average size being 5-6cm. Matrix comprises 20-25% of the rock and is composed of, in order of dominance, chlorite, calcite (and calcite crystals) sulfides and quartz. The fragments are speckled grey-light green with green spots. The fragments are quite altered to the point where it is difficult to distinguish. 9.04-10.36: Core broken up, frac 25 & 30 degrees ACA. Gouge mat and some (Tr) malachite. 23.16-23.46: semi mass sulfides. Cpy, Po, & mag disseminated in Bx 40 degrees ACA. 3.66-51.82: Sandstone breccia, composed of a matrix of, in order of dominance, chlorite, calcite, quartz and sulfides. 20% to 25% matrix. 51.82-59.52: sandstone breccia. composed of a matrix of, in order of dominance,

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				quartz, calcite, chlorite, and sulfides. 51.82-59.52: breccia changes to matrix of ouartz & cc. Matrix 10-15% 52.25-52.42: Fault & slicks 40 degrees ACA.
		59.52	142.03	HORNFELSED SANDSTONE Mottled, purple, light green, beige and white. Weakly to moderately magnetic. Fine grained meta sediment. Upper contact 70 degrees ACA. 60.66-62.15: Sulfides occur as f.f. (hairline frac) orient 35 & 15 degrees ACA. 70.70-70.87: Fault 75 & 22 degrees ACA 77.11-77.61: Sulfide zone. Semi mass occurs dissem & as ff orient 53 & 56 degrees ACA 79.32-80.66: Quartz porphyoblasts 6mm to 16mm in diameter, oval shaped. 85.26-86.72: Sulfs as ff 28 degrees ACA 86.72-88.16: Sulfs as ff 35 degrees ACA 97.87-97.95: Fault orientation 30 & 25 degrees ACA. 103.51-103.93: Comox fmn. Hornfelsed sandstone is brecciated & cemented with quartz & minor amounts of calcite. Upper and lower contact

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				70 degrees ACA. 127.38-128.88:Sulf occur as f.f. 60 degrees ACA and 25 degrees ACA. 134.55-135.51:Sandstone breccia, upper contact 45 degrees, lower contact approx 45 degrees. Brecciated comox fmn sand-stone cemented with quartz

DRILL HOLE NUMBER : NFP88-3

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7744	3.05	4.57	1.52	6.	1793.	7.	107.	2.9	12.	1.	39.
7745	4.57	6.05	1.48	7.	2139.	2.	106.	3.3	11.	1.	15.
7746	6.05	7.57	1.52	3.	1235.	9.	78.	1.8	11.	1.	13.
7747	7.57	9.04	1.47	8.	1668.	14.	114.	2.5	9.	1.	17.
7748	9.04	10.36	1.32	4.	2159.	2.	105.	3.9	40.	1.	30.
7749	10.36	11.54	1.18	3.	1091.	13.	90.	2.1	18.	2.	9.
7750	11.54	13.12	1.58	15.	6624.	26.	341.	12.0	32.	1.	105.
7751	13.12	14.60	1.48	3.	745.	6.	70.	1.5	15.	1.	10.
7752	14.60	16.15	1.55	112.	11171.	8.	310.	18.2	75.	1.	120.
7753	16.15	17.75	1.60	4.	2066.	2.	131.	3.7	37.	1.	24.
7754	17.75	19.35	1.60	7.	1186.	8.	104.	2.4	18.	1.	10.
7755	19.35	20.85	1.50	6.	1280.	6.	85.	2.7	19.	1.	6.
7756	20.85	22.31	1.46	5.	1170.	11.	85.	2.8	15.	1.	4.
7757	22.31	23.16	0.85	3.	824.	15.	59.	1.9	19.	1.	29.
7758	23.16	23.66	0.50	259.	53400.	198.	1948.	109.1	385.	1.	435.
7759	23.66	25.16	1.50	7.	1125.	16.	95.	2.5	15.	1.	13.
7760	25.16	26.77	1.61	6.	1028.	13.	73.	2.3	15.	1.	8.
7761	26.77	28.21	1.44	5.	1610.	17.	83.	3.6	21.	2.	11.
7762	28.21	29.46	1.25	3.	1623.	28.	133.	3.5	37.	1.	22.
7763	29.46	30.98	1.52	6.	4510.	25.	230.	11.5	133.	1.	52.
7764	30.98	32.48	1.50	5.	1525.	20.	103.	4.9	43.	1.	12.
7765	32.48	33.95	1.47	8.	1014.	24.	83.	2.8	26.	2.	7.
7766	33.95	35.46	1.51	8.	1491.	14.	87.	3.7	44.	1.	8.
7767	35.46	36.96	1.50	3.	1271.	10.	132.	3.1	43.	1.	10.
7768	36.96	38.44	1.48	6.	1052.	10.	95.	2.8	39.	1.	103.
7769	38.44	39.94	1.50	4.	1060.	13.	83.	2.4	19.	1.	8.
7770	39.94	41.41	1.47	3.	1141.	4.	104.	2.6	17.	1.	46.
7771	41.41	42.92	1.51	4.	1015.	5.	73.	1.9	18.	2.	17.
7772	42.92	44.40	1.48	7.	1219.	10.	80.	2.6	31.	1.	23.
7773	44.40	45.90	1.50	11.	696.	9.	87.	1.4	16.	1.	18.
7774	45.90	47.42	1.52	7.	569.	11.	63.	1.3	14.	1.	3.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-3

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7775	47.42	48.87	1.45	8.	583.	9.	88.	1.4	33.	1.	6.
7776	48.87	50.40	1.53	5.	1152.	10.	100.	2.4	37.	1.	10.
7777	50.40	51.82	1.42	4.	531.	9.	114.	1.1	128.	1.	7.
7778	51.82	53.31	1.49	1.	233.	3.	42.	0.8	1739.	2.	50.
7779	53.31	54.83	1.52	7.	189.	12.	89.	0.6	1524.	1.	240.
7780	54.83	56.31	1.48	10.	139.	7.	77.	0.5	90.	1.	1.
7781	56.31	57.73	1.42	9.	83.	11.	111.	0.6	163.	1.	5.
7782	57.73	59.18	1.45	7.	141.	11.	75.	0.6	307.	1.	2.
7783	59.18	60.66	1.48	24.	280.	10.	51.	0.6	128.	1.	7.
7784	60.66	62.15	1.49	5.	748.	12.	50.	1.0	20.	2.	7.
7785	62.15	63.75	1.60	2.	800.	12.	43.	1.3	13.	1.	8.
7786	63.75	65.20	1.45	12.	294.	15.	34.	0.2	16.	5.	1.
7787	65.20	66.67	1.47	2.	290.	10.	28.	0.3	2.	1.	1.
7788	66.67	68.15	1.48	3.	262.	14.	26.	0.1	13.	5.	2.
7789	68.15	69.63	1.48	3.	231.	13.	25.	0.1	8.	2.	1.
7790	69.63	70.86	1.23	2.	258.	7.	43.	0.7	2.	1.	3.
7791	70.86	71.71	0.85	2.	154.	6.	25.	0.5	6.	4.	3.
7792	71.71	72.73	1.02	1.	277.	8.	26.	0.6	2.	1.	1.
7793	72.73	74.30	1.57	1.	569.	10.	30.	0.9	9.	2.	12.
7794	74.30	75.61	1.31	1.	350.	7.	34.	0.9	11.	2.	8.
7795	75.61	77.11	1.50	1.	272.	8.	28.	0.7	5.	1.	4.
7796	77.11	77.61	0.50	1.	804.	14.	38.	0.9	27.	3.	4.
7797	77.61	79.32	1.71	1.	392.	18.	57.	1.1	627.	1.	58.
7798	79.32	80.66	1.34	3.	459.	12.	47.	0.9	10.	5.	6.
7799	83.78	85.26	1.48	1.	862.	6.	38.	1.2	2.	1.	7.
7000	85.26	86.72	1.46	1.	251.	7.	26.	0.5	4.	3.	1.
7801	86.72	88.16	1.44	3.	586.	5.	36.	1.2	2.	1.	6.
7802	88.16	89.75	1.59	1.	411.	9.	24.	0.6	9.	5.	1.
7803	89.75	91.26	1.51	3.	346.	3.	24.	0.7	2.	1.	1.
7804	91.26	92.66	1.40	1.	317.	5.	23.	0.5	2.	1.	1.
7805	92.66	94.17	1.51	1.	140.	4.	19.	0.4	3.	1.	1.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-3

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7806	94.17	95.68	1.51	1.	176.	2.	19.	0.4	2.	1.	1.
7807	95.68	97.17	1.49	1.	192.	11.	23.	0.4	14.	6.	1.
7808	102.02	103.51	1.49	1.	170.	23.	752.	0.8	1311.	1.	152.
7809	103.51	103.93	0.42	1.	126.	98.	251.	0.7	2073.	1.	11.
7810	103.93	105.43	1.50	1.	61.	2.	21.	0.3	4.	1.	1.
7811	125.35	126.88	1.53	1.	227.	2.	19.	0.3	11.	1.	1.
7812	126.88	127.38	0.50	2.	142.	10.	27.	0.3	6.	2.	1.
7813	127.38	128.88	1.50	1.	172.	4.	19.	0.4	8.	1.	1.
7814	131.65	133.14	1.49	1.	227.	6.	29.	0.5	6.	2.	1.
7815	133.14	134.55	1.41	1.	293.	9.	30.	0.5	4.	2.	3.
7816	134.55	135.51	0.96	1.	235.	6.	18.	0.1	6.	1.	1.
7817	135.51	137.20	1.69	1.	185.	2.	18.	0.3	2.	1.	1.
7818	137.20	138.74	1.54	2.	433.	10.	23.	0.3	13.	8.	2.

LATITUDE : 21400.000
DEPARTURE: 31262.000
ELEVATION: 1127.710
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 90.00 DEG
TOTAL DEPTH : 146.60

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-4

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	146.60	0.00	12.80	CASING
		12.10	13.00	COMOX BRECCIA Matrix of quartz & calcite, & some sulfides (Po & Py)
		13.00	17.07	HORNFELSED SANDSTONE Fine grained, non magnetic, light green to light grey, meta sediment.
		17.07	19.50	APLITE DYKE Fine grained white and grey in color, magnetic. Pyrrhotized, upper contact 30 degrees ACA.
		19.50	26.52	HORNFELSED SANDSTONE
		26.52	27.60	APLITE DYKE
		27.60	32.61	HORNFELSED SANDSTONE 28.56-32.08: BBC fracs run at 35 degrees and parallel to core axis. 34.47-35.15: Badly broken core. Fractures run at 40 & 80 degrees & parallel to core axis. 39.00-42.75: Badly broken core, fault with slicks 30 degrees ACA. Fracts both 30 degrees & parallel to core axis.
		32.61	34.13	APLITE DYKE Upper contact 35 degrees, lower contact 18 degrees ACA. 58.29-59.73: Sulfides occur as fracture filling 70 degrees ACA.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				57.12-62.15: Fault with slicks 52 degrees ACA. Fracs parallel and 52 degrees ACA. 64.26-67.90: Fault. Slickensides, 25 & 20 degrees and parallel ACA 68.55: Fault, slickensides oriented at 35,45,30 & 15 degrees and parallel to CA
		34.13	80.89	HORNFELSED SANDSTONE 67.66-68.64: Sulfides as fracture filling, orientation 60 degrees ACA. 68.64-75.35: Fault. Slicks oriented 15, 60 degrees ACA & 30 degrees ACA.
		80.89	85.33	APLITE DYKE Upper contact 45 degrees and lower contact 45 degrees ACA. Intensely siliceous. Trace Po.
		85.33	85.95	HORNFELSED SANDSTONE
		85.95	88.43	APLITE DYKE
		88.43	88.72	HORNFELSED SANDSTONE
		88.72	92.93	APLITE DYKE Upper contact 35 degrees ACA, and lower contact 20 degrees ACA. Sulf as f.f., 65 degrees and 30 degrees ACA.
		92.93	106.42	HORNFELSED SANDSTONE
		106.42	107.12	APLITE DYKE
		107.12	109.69	HORNFELSED SANDSTONE
		109.69	110.91	APLITE DYKE
		110.91	111.49	HORNFELSED SANDSTONE

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
		111.49	115.61	APLITE DYKE Upper contact 60 degrees ACA, lower contact 40 degrees ACA.
		115.61	120.70	HORNFELSED SANDSTONE 112.43-114.16:Sulfide zone. Po dissem. in matrix & occurs as f.f. Cpy occurs as f.f. 35 degrees ACA.
		120.70	121.60	APLITE DYKE
		121.60	122.22	HORNFELSED SANDSTONE
		122.22	123.39	APLITE DYKE Upper contact 55 degrees, lower contact 60 degrees ACA.
		123.39	141.26	HORNFELSED SANDSTONE
		141.26	142.14	COMOX BRECCIA Upper contact 50 degrees, lower contact 20 degrees ACA. Intensely fractured & recemented with quartz and cc, 5% Po, matrix comprises 10% of total.
		142.14	143.03	HORNFELSED SANDSTONE
		143.03	145.35	APLITE DYKE Upper contact 35 degrees, lower contact 40 degrees ACA.
		145.35	146.60	HORNFELSED SANDSTONE Moderate to intensely hornfelsed, fine grained to medium grained feldspathic sandstone. Sulfide as f.f. 40 degrees ACA.

DRILL HOLE NUMBER : NFP88-4

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7822	12.10	13.28	1.18	1.	451.	12.	59.	1.6	568.	1.	49.
7819	22.86	24.60	1.74	1.	133.	2.	24.	0.3	2.	1.	1.
7820	24.60	25.45	0.85	4.	688.	15.	33.	0.8	13.	10.	1.
7821	25.45	26.52	1.07	2.	114.	2.	24.	0.4	2.	1.	1.
7823	28.82	30.27	1.45	1.	117.	5.	23.	0.3	6.	1.	1.
7824	30.27	30.90	0.63	1.	586.	8.	28.	0.3	5.	1.	712.
7825	30.90	32.61	1.71	8.	233.	2.	33.	0.5	2.	1.	7.
7826	53.70	55.37	1.67	1.	224.	2.	36.	0.3	4.	1.	5.
7827	55.37	56.50	1.13	1.	275.	3.	31.	0.5	9.	1.	6.
7828	56.50	57.33	0.83	1.	1656.	9.	59.	1.7	9.	1.	28.
7829	57.33	58.29	0.96	1.	112.	5.	51.	0.3	2.	1.	4.
7830	58.29	59.73	1.44	1.	759.	11.	22.	0.2	10.	2.	3.
7831	59.73	61.45	1.72	1.	66.	9.	22.	0.1	6.	3.	2.
7832	61.45	62.50	1.05	1.	162.	5.	19.	0.1	4.	1.	2.
7833	62.50	63.92	1.42	1.	123.	3.	15.	0.2	2.	1.	3.
7834	63.92	65.20	1.28	1.	557.	10.	26.	0.1	7.	1.	8.
7835	65.20	66.28	1.08	1.	267.	4.	25.	0.2	2.	1.	7.
7836	66.28	67.66	1.38	1.	259.	5.	30.	0.4	2.	1.	4.
7837	67.66	68.64	0.98	1.	2338.	14.	115.	3.4	31.	1.	23.
7838	76.88	78.49	1.61	1.	131.	9.	31.	0.3	6.	1.	5.
7839	80.89	82.27	1.38	3.	212.	3.	36.	0.4	5.	2.	3.
7840	88.72	90.22	1.50	5.	311.	2.	25.	0.2	3.	1.	5.
7841	101.21	102.71	1.50	2.	315.	13.	36.	0.2	11.	3.	7.
7842	102.71	103.75	1.04	1.	780.	16.	35.	0.5	18.	6.	19.
7843	106.42	107.12	0.70	1.	383.	5.	25.	0.5	3.	2.	6.
7844	109.69	110.91	1.22	1.	317.	3.	25.	0.3	2.	1.	3.
7845	111.49	112.43	0.94	2.	237.	2.	25.	0.2	3.	2.	4.
7846	112.43	114.16	1.73	1.	827.	2.	43.	0.7	3.	1.	6.
7847	114.16	115.61	1.45	1.	185.	2.	32.	0.4	2.	1.	1.
7848	120.70	122.22	1.52	1.	117.	9.	28.	0.3	2.	1.	1.
7849	122.22	123.39	1.17	1.	255.	5.	29.	0.4	6.	3.	2.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-4

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7850	134.40	135.63	1.23	9.	217.	2.	24.	0.1	4.	1.	3.
7851	139.65	141.26	1.61	1.	53.	24.	44.	0.1	61.	5.	2.
7852	141.26	142.14	0.88	1.	283.	164.	417.	0.8	1213.	1.	11.
7853	142.14	143.03	0.89	1.	37.	29.	88.	0.2	159.	1.	1.
7854	143.03	143.90	0.87	1.	89.	14.	43.	0.1	67.	2.	1.
7855	143.90	145.35	1.45	1.	139.	8.	24.	0.1	7.	1.	1.
7856	145.35	146.60	1.25	1.	202.	4.	23.	0.2	5.	1.	1.

LATITUDE : 21400.000
DEPARTURE: 31262.000
ELEVATION: 1127.710
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 270.00 DEG
TOTAL DEPTH : 160.32

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-5

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	160.32	0.00	12.19	CASING
		12.19	23.16	COMOX BRECCIA Angular to subangular frags of sand-stone in a matrix of, in order of abundance, chlorite, calcite, quartz & sulfides. Matrix is 10% of total.
		23.16	40.23	HORNFELSED SANDSTONE Fine grained weakly to moderately magnetic, light grey to dark grey hornfelsed sandstone. Upper contact (indist.) and lower contact 50 degrees ACA. 25.19-31.39: Badly broken core, fractures parallel and 40 degrees ACA. 28.49-32.00: Fault. Slicks orient parallel and 40 degrees ACA. 32.97-34.40: Sulf diss & as f.f. within core orient 25 degrees ACA
		40.23	63.22	COMOX BRECCIA Angular to subangular frags of sandstone in a matrix of, in order of abundance, chlorite, calcite, quartz and sulfides. Matrix comprises 20-25% of total. 63.18: Fault. Slickensides and orientation 30 degrees ACA
		63.22	64.67	HORNFELSED SANDSTONE

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				Upper contact approx 35 degrees, lower contact 40 degrees ACA. Fine grained light grey to dark grey in color. Magnetic. Cpy/Py as f.f. 40 degrees ACA.
		64.67	87.74	COMOX BRECCIA Fragments of sandstone/siltstone, sub-angular to subrounded in a matrix of, in order of abundance, calcite, quartz, chlorite and sulfides. Matrix 15%-20% of total. 67.17-68.55: Vuggy and euhedral quartz crystals. 5-10% open space 68.60-68.88: Fault. Slicks with orientation of 30-33 degrees ACA. 70.30: Fault. Slicks with orient of approx 25 degrees ACA. 73.15-73.80: Fault & slicks 25 degrees ACA.
		87.74	90.52	DIORITE DYKE Altered dyke. All amphiboles altered to chlorite. Fine grained, weakly to moderately magnetic. Light grey to dark grey in color. Upper contact 25 degrees aca, lower contact indistinguishable.
		90.52	94.35	COMOX BRECCIA Fragments of fine grained sandstone/siltstone, angular to subangular in a matrix of, in order of abundance, calcite, quartz, chlorite and minor sulfides. Weakly magnetic.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
		94.35	100.06	FELDSPAR PORPHYRY DYKE Fine grained with 2mm to 4mm size phenocrysts of white feldspar. Mafics have been altered to chlorite. Sulfides consist of Cpy and Po. Upper contact 65 degrees, lower contact 55 degrees ACA. Possible altered diorite porphyry dyke.
		100.06	116.82	COMOX BRECCIA
		116.82	118.00	HORNFELSED SANDSTONE
		118.00	160.32	COMOX BRECCIA

ASSAY RECORD
FORBIDDEN PLATEAU

DRILL HOLE NUMBER : NFP88-5

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
7857	12.23	12.90	0.67	5.	3968.	19.	672.	11.2	112.	1.	132.
7858	12.90	14.32	1.42	4.	2587.	11.	2034.	6.4	383.	1.	32.
7859	14.32	16.01	1.69	3.	2633.	28.	1256.	7.5	74.	1.	85.
7860	16.01	17.99	1.98	3.	1842.	9.	144.	4.1	34.	1.	22.
7861	17.99	19.60	1.61	3.	2359.	13.	121.	5.4	80.	2.	245.
7862	19.60	20.95	1.35	2.	3266.	13.	161.	7.1	60.	1.	7.
7863	20.95	23.16	2.21	3.	2290.	29.	281.	5.5	1770.	1.	265.
8932	23.16	24.66	1.50	1.	101.	22.	422.	0.4	45.	1.	9.
8933	24.66	26.16	1.50	2.	103.	4.	36.	0.2	5.	1.	2.
8934	26.16	27.66	1.50	2.	912.	10.	60.	1.2	5.	1.	7.
8935	27.66	29.16	1.50	1.	293.	7.	39.	0.5	5.	1.	5.
8936	29.16	30.66	1.50	1.	429.	14.	28.	0.5	7.	3.	6.
8937	30.66	32.97	2.31	2.	112.	7.	25.	0.1	6.	1.	2.
7864	32.97	34.40	1.43	2.	240.	3.	25.	0.1	2.	6.	4.
8938	34.40	35.90	1.50	3.	70.	6.	28.	0.1	5.	1.	1.
8939	35.90	37.40	1.50	1.	96.	6.	25.	0.1	3.	1.	2.
8940	37.40	38.85	1.45	3.	87.	7.	31.	0.2	8.	1.	1.
8941	38.85	40.23	1.38	5.	58.	14.	53.	0.2	12.	1.	6.
7865	40.23	42.36	2.13	9.	285.	9.	41.	0.5	6.	2.	6.
7866	42.36	43.92	1.56	11.	24.	6.	33.	0.1	4.	4.	7.
7867	43.92	45.43	1.51	8.	219.	9.	45.	0.3	5.	4.	5.
7868	45.43	47.01	1.58	11.	2262.	11.	77.	3.4	50.	2.	50.
7869	47.01	48.45	1.44	23.	909.	8.	65.	1.1	11.	2.	8.
7870	48.45	49.95	1.50	18.	2774.	5.	103.	5.9	30.	1.	41.
7871	49.95	50.94	0.99	17.	4873.	3.	146.	5.8	58.	2.	91.
7872	50.94	51.90	0.96	17.	8560.	6.	205.	10.5	42.	5.	56.
7873	51.90	52.90	1.00	13.	9239.	8.	260.	11.5	49.	5.	122.
8882	52.04	53.60	1.56	1.	227.	2.	25.	0.2	6.	1.	1.
7874	52.90	53.90	1.00	9.	4968.	10.	148.	6.1	28.	5.	54.
8883	53.60	54.61	1.01	1.	154.	2.	24.	0.3	2.	1.	1.
7875	53.90	55.40	1.50	13.	4657.	9.	136.	5.8	31.	4.	76.

ASSAY RECORD
FORBIDDEN PLATEAU

DRILL HOLE NUMBER : NFP88-5

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8884	54.61	55.99	1.38	1.	95.	6.	23.	0.2	6.	1.	1.
8526	55.40	56.84	1.44	6.	1729.	3.	76.	2.2	14.	14.	28.
8527	56.84	58.34	1.50	23.	3557.	5.	124.	4.4	22.	39.	79.
8885	57.48	58.26	0.78	1.	330.	3.	23.	0.5	5.	1.	1.
8886	58.26	59.41	1.15	1.	218.	4.	26.	0.4	2.	2.	1.
8528	58.34	60.10	1.76	27.	3817.	8.	125.	4.8	29.	12.	35.
8529	60.10	61.58	1.48	29.	7643.	8.	203.	9.7	48.	4.	54.
8887	60.98	62.47	1.49	1.	301.	10.	33.	0.5	5.	1.	2.
8530	61.58	62.39	0.81	21.	4523.	2.	173.	5.9	35.	4.	77.
8531	62.39	63.22	0.83	23.	2100.	6.	96.	2.6	29.	1.	26.
8888	62.47	63.75	1.28	1.	106.	3.	20.	0.1	13.	2.	1.
8532	63.22	64.67	1.45	7.	1879.	2.	61.	2.2	24.	1.	42.
8889	63.75	65.29	1.54	1.	145.	8.	22.	0.1	4.	1.	1.
8533	64.67	65.98	1.31	19.	9426.	8.	311.	13.5	54.	1.	27.
8890	65.29	66.34	1.05	1.	112.	2.	24.	0.1	4.	1.	1.
8534	65.98	67.17	1.19	23.	1425.	9.	54.	2.9	61.	2.	18.
8535	67.17	68.55	1.38	18.	1051.	2.	39.	2.6	73.	2.	12.
8891	67.87	68.78	0.91	1.	118.	3.	32.	0.3	4.	1.	1.
8536	68.55	70.04	1.49	24.	3698.	10.	136.	8.5	131.	2.	29.
8892	69.73	71.27	1.54	1.	59.	6.	28.	0.1	3.	1.	1.
8537	70.04	71.60	1.56	18.	332.	10.	50.	0.8	21.	2.	11.
8893	71.27	72.94	1.67	1.	89.	3.	23.	0.1	4.	1.	1.
8538	71.60	72.58	0.98	11.	114.	3.	13.	0.4	70.	1.	17.
8539	72.58	74.06	1.48	17.	120.	5.	20.	0.3	23.	3.	8.
8540	74.06	75.55	1.49	10.	75.	4.	35.	0.2	25.	2.	31.
8541	75.55	77.20	1.65	9.	257.	2.	45.	0.6	61.	2.	17.
8542	77.20	78.30	1.10	4.	741.	2.	13.	1.8	73.	1.	8.
8543	78.30	79.80	1.50	10.	81.	6.	9.	0.1	112.	1.	10.
8544	79.80	81.00	1.20	4.	171.	2.	12.	0.3	79.	1.	9.
8545	81.00	82.50	1.50	5.	176.	4.	8.	0.2	143.	1.	7.
8894	82.49	83.50	1.01	1.	147.	4.	21.	0.3	5.	1.	1.

ASSAY RECORD
FORBIDDEN PLATEAU

DRILL HOLE NUMBER : NFP88-5

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8546	82.50	83.51	1.01	8.	27.	3.	10.	0.1	84.	1.	1.
8895	83.50	84.29	0.79	1.	190.	2.	15.	0.1	8.	1.	3.
8547	83.51	84.50	0.99	7.	162.	4.	5.	0.2	130.	1.	5.
8548	84.50	86.00	1.50	4.	77.	3.	6.	0.1	40.	1.	1.
8549	86.00	87.10	1.10	3.	317.	4.	11.	0.4	20.	1.	1.
8550	87.10	87.74	0.64	2.	17.	3.	3.	0.1	693.	3.	36.
8551	87.74	89.22	1.48	1.	3731.	7.	150.	6.9	112.	1.	86.
8896	88.89	89.46	0.57	1.	139.	3.	39.	0.3	2.	1.	1.
8552	89.22	90.52	1.30	1.	538.	3.	36.	0.7	40.	2.	7.
8897	89.46	91.11	1.65	1.	209.	2.	26.	0.4	8.	1.	1.
8553	90.52	92.05	1.53	14.	79.	4.	26.	0.1	15.	1.	1.
8898	91.11	91.53	0.42	2.	302.	4.	20.	0.2	3.	1.	2.
8554	92.05	93.26	1.21	12.	56.	3.	24.	0.1	12.	1.	1.
8555	93.26	94.35	1.09	6.	94.	4.	15.	0.1	31.	1.	18.
8556	94.35	95.68	1.33	1.	339.	5.	34.	0.4	15.	1.	1.
8557	95.68	97.33	1.65	1.	475.	4.	37.	0.5	15.	1.	3.
8558	97.33	98.74	1.41	1.	910.	3.	54.	1.0	35.	1.	5.
8559	98.74	100.06	1.32	1.	158.	5.	32.	0.2	23.	1.	1.
8560	100.06	101.70	1.64	10.	1142.	7.	47.	1.6	422.	1.	77.
8561	101.70	103.10	1.40	6.	1032.	7.	40.	1.1	3.	1.	1.
8562	103.10	104.57	1.47	7.	7072.	13.	163.	8.5	3.	1.	65.
8563	104.57	105.47	0.90	5.	2770.	10.	89.	3.8	14.	1.	88.
8564	105.47	106.53	1.06	6.	5341.	10.	152.	6.7	6.	1.	124.
8565	106.53	108.04	1.51	4.	4201.	6.	129.	5.4	2.	1.	65.
8566	108.04	109.57	1.53	5.	3654.	6.	107.	4.7	6.	1.	37.
8567	109.57	111.07	1.50	5.	8985.	2.	232.	11.9	10.	4.	210.
8568	111.07	112.51	1.44	4.	5504.	2.	152.	8.5	5.	1.	48.
8569	112.51	114.00	1.49	8.	397.	9.	57.	0.6	28.	1.	11.
8570	114.00	115.46	1.46	6.	84.	4.	51.	0.1	4.	1.	1.
8571	115.46	116.82	1.36	9.	294.	6.	79.	0.5	12.	1.	3.
8572	116.82	118.00	1.18	1.	98.	4.	39.	0.2	8.	1.	1.

ASSAY RECORD
FORBIDDEN PLATEAU

DRILL HOLE NUMBER : NFP88-5

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8573	118.00	119.38	1.38	8.	589.	3.	52.	0.9	3.	1.	6.
8574	119.38	120.90	1.52	3.	245.	4.	45.	0.2	3.	1.	1.
8575	120.90	122.40	1.50	2.	108.	5.	46.	0.2	2.	1.	1.
8576	122.40	123.89	1.49	3.	156.	6.	42.	0.1	5.	1.	1.
8577	123.89	125.36	1.47	4.	74.	3.	44.	0.1	2.	1.	1.
8578	125.36	126.87	1.51	3.	121.	7.	41.	0.2	4.	1.	9.
8579	126.87	128.39	1.52	2.	2858.	6.	108.	4.0	7.	1.	40.
8580	128.39	129.97	1.58	2.	100.	6.	40.	0.2	3.	1.	1.
8581	129.97	131.49	1.52	1.	1210.	5.	60.	1.7	8.	2.	3.
8582	131.49	133.00	1.51	2.	48.	5.	43.	0.1	8.	1.	1.
8583	133.00	134.45	1.45	2.	63.	12.	50.	0.3	4.	1.	1.
8584	134.45	136.34	1.89	2.	36.	5.	44.	0.2	9.	1.	6.
8585	136.34	137.72	1.38	2.	64.	4.	41.	0.1	2.	1.	1.
8586	137.72	139.20	1.48	2.	70.	9.	44.	0.2	6.	1.	1.
8587	139.20	140.73	1.53	2.	118.	9.	47.	0.3	7.	1.	1.
8588	140.73	142.17	1.44	2.	73.	8.	49.	0.1	8.	1.	1.
8589	142.17	143.64	1.47	1.	55.	13.	49.	0.1	3.	1.	1.
8590	143.64	145.13	1.49	2.	104.	9.	62.	0.3	2.	1.	4.
8591	145.13	146.75	1.62	3.	137.	11.	56.	0.2	8.	1.	1.
8592	146.75	148.30	1.55	1.	1223.	8.	84.	1.9	58.	1.	7.
8593	148.30	149.85	1.55	2.	353.	13.	50.	0.7	30.	1.	5.
8594	149.85	151.01	1.16	2.	93.	7.	42.	0.1	2.	1.	1.
8595	151.01	152.60	1.59	3.	152.	12.	62.	0.4	5.	1.	1.
8596	152.60	154.07	1.47	3.	79.	11.	61.	0.1	8.	1.	1.
8597	154.07	155.56	1.49	2.	38.	5.	48.	0.2	5.	1.	1.
8598	155.56	157.03	1.47	3.	57.	3.	54.	0.1	10.	1.	1.
8599	157.03	158.23	1.20	3.	68.	4.	44.	0.1	11.	1.	3.
8600	158.23	159.10	0.87	1.	8703.	18.	233.	11.6	9.	1.	96.
8688	159.10	160.32	1.22	3.	226.	3.	40.	0.4	4.	1.	4.

LATITUDE : 21400.000
DEPARTURE: 30652.000
ELEVATION: 1051.510
DIP AT COLLAR: -45.00 DEG
AZIMUTH : 90.00 DEG
TOTAL DEPTH : 128.31

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-6

DATE LOGGED: --/10/88
LOGGED BY : T. McIntyre

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	128.32	0.00	1.22	CASING
		1.22	1.42	DIORITE DYKE Finely crystaline, diorite dyke, salt & pepper colored, moderately magnetic, amphiboles have been altered to chlorite
		1.42	23.80	INTRUSIVE BRECCIA Subrounded to rounded frags of diorite in a matrix of, in order of abundance, chlorite, quartz, and sulfides and calcite. Matrix to frag ratio 10/90. Moderately to intensely siliceous. Intrusive frags make up to bulk of the fragment lithotypes with the intrusive sediment frag ratio being 88/12. 9.40-10.81: bluish-purple or indigo blue covellite? occurs in fractures 75 & 20 degrees ACA.
		23.80	24.66	APLITE DYKE Fine grained felsic dyke upper contact 25 degrees and lower contact 30 degrees ACA.
		24.66	30.95	INTRUSIVE BRECCIA Same as 1.42-23.80m.
		30.95	31.65	APLITE DYKE Fine grained felsic dyke, upper contact 70 degrees and lower contact 45 degrees ACA.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
		31.65	35.95	INTRUSIVE BRECCIA Same as 1.42-23.80m.
		35.95	37.28	APLITE DYKE Upper contact 60 degrees, lower contact 35 degrees ACA.
		37.28	69.04	INTRUSIVE BRECCIA Subrounded to rounded frags of diorite and sandstone. Intrusive frags to sed frag ratio 90/10. Matrix to frag ratio 10-12/90-88. 45.58-47.03: Sericite occurs in a fracture with orientation of 55 degrees ACA. Occurs with calcite 50.75: Fault. Orientation on slickensides parallel and 30 degrees ACA. 52.58: Fault, slicks 25 degrees ACA.
		69.04	70.36	APLITE DYKE Fine grained felsic intrusion. Upper contact 20 degrees ACA, and lower contact 40 degrees ACA.
		70.36	84.94	INTRUSIVE BRECCIA Subrounded, to rounded fragments of diorite with the occasional fragment of sediment. Intrusive to sed ratio 94/6. Matrix to frag ratio 10/90. Matrix is composed of, in order of dominance, chlorite, quartz, calcite, sulfides, and minor biotite.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				78.20: Fault, slick with orient of 25 degrees ACA.
		83.82	84.94	HORNFELSED SANDSTONE Same as 86.40m to 100.36m. Upper contact 60 degrees ACA.
		84.94	86.40	DIORITE DYKE Upper contact 30 degrees and lower contact 25 degrees, moderately crystaline and intensely siliceous. Weakly to moderately magnetic
		86.40	100.36	HORNFELSED SANDSTONE Moderately to intensely hornfelsed, fine grained sandstone/siltstone. Moderately magnetic. Light grey to dark grey in color. 93.80-94.85: Hydrothermal alteration zone. Alteration consists of chlorite & clays with quartz stringers shot thru 94.61-94.77: Fault slicks, orientation 45 & 80 degrees ACA. 98.70: Fault. Slicks 25 degrees ACA.
		100.36	101.62	DIORITE DYKE Upper contact 25 degrees, lower contact 70 degrees ACA. Coarsely crystaline at upper contact, becoming finely crystaline at lower contact. Equigranular euhedral to sub hedral crystals.
		101.62	106.45	HORNFELSED SANDSTONE Dark grey, magnetic fine grained

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				sandstone/siltstone of intense hornfelsing.
		106.45	109.83	DIORITE DYKE Light grey, fine grain diorite dyke and phenocrysts of biotite mica & amphiboles magnetic.
		109.83	115.10	HORNFELSED SANDSTONE Same as 101.62-106.45m. 109.83-111.58:core shot thru with silica 40 degrees ACA. 113.13-114.62:hydrothermal alteration zone. Upper contact 70 degrees ACA, lower contact 32 degrees. Alteration consists of clays, quartz and carbonate.
		115.10	116.10	DIORITE DYKE Upper contact 50 degrees & lower contact 15 degrees ACA. Same as 100.36-101.62m.
		116.10	121.53	HORNFELSED SANDSTONE Same as 101.62-106.45m. 120.53-151.53:Alteration zone. Fracture intensity is 3 to 4 (25% of core is fractured) and is recemented with quartz. Alteration consists of quartz and clays.
		121.53	128.32	DIORITE DYKE Upper contact indistinguishable due to sandstone and increasingly intermixed with diorite. Contact approx 121.53m

MAJOR		SUBUNIT		DESCRIPTION
From	To	From	To	
				and approx 25 degrees. Contains fragments of sandstone intermittantly. Moderately crystaline with subhedral crystals. Salt and pepper color.

DRILL HOLE NUMBER : NFP88-6

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8689	1.42	3.14	1.72	112.	437.	2.	107.	1.1	19.	1.	5.
8690	3.14	4.91	1.77	19.	785.	11.	114.	1.8	17.	1.	44.
8691	4.91	6.47	1.56	8.	463.	7.	44.	0.9	9.	1.	1.
8692	6.47	7.98	1.51	21.	608.	9.	48.	0.9	6.	1.	15.
8693	7.98	9.40	1.42	11.	509.	4.	55.	1.1	14.	1.	1.
8694	9.40	10.81	1.41	72.	312.	6.	68.	0.8	12.	2.	1.
8695	10.81	12.15	1.34	49.	516.	3.	73.	1.1	18.	1.	3.
8696	12.15	13.96	1.81	36.	410.	12.	156.	1.0	26.	1.	7.
8697	13.96	15.46	1.50	54.	442.	8.	63.	1.0	13.	1.	3.
8698	15.46	16.46	1.00	22.	320.	3.	66.	0.7	10.	1.	1.
8699	16.46	17.46	1.00	19.	795.	10.	68.	1.7	19.	1.	9.
8700	17.46	18.96	1.50	11.	302.	4.	54.	0.6	18.	1.	4.
8701	18.96	20.47	1.51	15.	337.	6.	56.	0.8	19.	1.	6.
8702	20.47	22.25	1.78	16.	316.	6.	69.	0.6	17.	1.	7.
8703	22.25	23.16	0.91	14.	733.	3.	79.	1.7	22.	1.	23.
8704	23.16	23.80	0.64	41.	311.	7.	55.	0.9	15.	1.	26.
8705	23.80	24.66	0.86	42.	549.	2.	77.	1.0	369.	1.	4.
8706	24.66	26.43	1.77	42.	413.	10.	62.	1.1	16.	1.	14.
8707	26.43	27.93	1.50	16.	417.	7.	60.	0.9	16.	1.	11.
8708	27.93	29.42	1.49	17.	308.	4.	47.	0.9	8.	1.	34.
8709	29.42	30.95	1.53	13.	859.	11.	239.	1.7	128.	1.	37.
8710	30.95	31.65	0.70	15.	344.	6.	56.	0.8	21.	1.	19.
8711	31.65	32.43	0.78	26.	237.	3.	56.	0.6	12.	1.	7.
8712	32.43	33.99	1.56	18.	640.	12.	68.	1.3	15.	1.	9.
8713	33.99	34.94	0.95	68.	1155.	2.	94.	2.4	14.	1.	22.
8714	34.94	35.95	1.01	22.	765.	10.	93.	1.6	12.	1.	10.
8715	35.95	37.28	1.33	39.	722.	2.	93.	1.6	268.	1.	3.
8716	37.28	38.14	0.86	13.	431.	6.	53.	0.7	15.	1.	3.
8717	38.14	39.55	1.41	27.	406.	2.	56.	0.8	10.	1.	9.
8718	39.55	41.05	1.50	12.	451.	7.	60.	0.8	9.	1.	20.
8719	41.05	42.55	1.50	12.	391.	4.	48.	0.7	8.	1.	11.

DRILL HOLE NUMBER : NFP88-6

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8720	42.55	44.03	1.48	9.	266.	2.	49.	0.5	14.	3.	6.
8721	44.03	45.58	1.55	15.	638.	4.	61.	1.2	33.	1.	10.
8722	45.58	47.03	1.45	10.	287.	2.	61.	0.7	31.	1.	7.
8723	47.03	48.46	1.43	8.	3071.	10.	489.	7.8	327.	1.	780.
8724	48.46	49.88	1.42	14.	4555.	11.	343.	14.3	95.	2.	420.
8725	49.88	51.16	1.28	20.	853.	2.	95.	1.9	27.	1.	17.
8726	51.16	52.63	1.47	17.	379.	4.	55.	0.7	12.	1.	14.
8727	52.63	54.12	1.49	5.	819.	3.	68.	1.4	9.	1.	9.
8728	54.12	55.61	1.49	5.	465.	2.	57.	0.7	8.	1.	11.
8729	55.61	57.07	1.46	7.	384.	9.	55.	0.6	5.	1.	4.
8730	57.07	58.66	1.59	6.	593.	2.	89.	1.1	53.	1.	8.
8731	58.66	60.19	1.53	4.	367.	5.	65.	0.7	5.	1.	20.
8732	60.19	61.56	1.37	5.	351.	2.	58.	0.9	7.	1.	1.
8733	61.56	63.03	1.47	4.	423.	5.	63.	0.9	7.	1.	4.
8734	63.03	64.65	1.62	5.	465.	4.	63.	0.9	13.	1.	9.
8735	64.65	66.14	1.49	6.	150.	5.	47.	0.4	3.	1.	8.
8736	66.14	67.57	1.43	8.	647.	2.	65.	1.3	5.	1.	4.
8737	67.57	69.04	1.47	6.	349.	4.	53.	0.7	20.	1.	8.
8738	69.04	70.36	1.32	8.	252.	3.	50.	0.6	165.	1.	3.
8739	70.36	71.85	1.49	7.	623.	5.	70.	1.4	17.	1.	5.
8740	71.85	73.43	1.58	5.	1304.	2.	87.	2.9	10.	1.	14.
8741	73.43	75.07	1.64	11.	777.	10.	81.	1.7	60.	1.	10.
8742	75.07	76.72	1.65	6.	474.	5.	242.	1.1	22.	1.	72.
8743	76.72	78.20	1.48	8.	760.	7.	71.	1.5	63.	1.	36.
8744	78.20	79.69	1.49	6.	170.	7.	48.	0.4	7.	1.	3.
8745	79.69	81.40	1.71	14.	234.	2.	61.	0.5	10.	1.	1.
8746	81.40	82.73	1.33	13.	735.	5.	76.	1.6	9.	1.	1.
8747	82.73	83.82	1.09	27.	1034.	6.	93.	2.3	2.	1.	1.
8748	83.82	84.94	1.12	27.	2305.	6.	53.	1.5	8.	1.	1.
8749	84.94	86.40	1.46	3.	228.	3.	34.	0.4	42.	1.	4.
8750	86.40	87.91	1.51	3.	1175.	11.	50.	1.5	75.	1.	21.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-6

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8751	87.91	89.28	1.37	2.	280.	7.	33.	0.4	106.	1.	1.
8752	89.28	90.52	1.24	1.	514.	9.	40.	0.1	16.	3.	6.
8753	90.52	92.25	1.73	2.	422.	12.	63.	0.2	15.	1.	3.
8754	92.25	93.80	1.55	3.	529.	6.	58.	0.5	18.	1.	8.
8755	93.80	94.85	1.05	54.	805.	13.	87.	2.1	45.	1.	44.
8756	94.85	96.41	1.56	71.	606.	9.	47.	0.5	10.	1.	15.
8757	96.41	98.12	1.71	7.	326.	4.	58.	0.1	13.	2.	1.
8758	98.12	99.52	1.40	7.	337.	12.	33.	0.2	12.	3.	1.
8759	102.69	104.12	1.43	1.	376.	12.	29.	0.3	2.	2.	1.
8760	111.58	113.13	1.55	4.	318.	10.	46.	0.3	4.	2.	1.
8761	113.13	114.62	1.49	22.	115.	3.	75.	0.2	146.	1.	1.
8762	120.53	121.53	1.00	220.	1065.	2.	21.	0.9	8.	1.	1.
8763	124.41	125.41	1.00	5.	766.	2.	30.	1.1	3.	1.	3.

APPENDIX II

DIAMOND DRILL LOGS AND ASSAYS - ELNORA ZONE

LATITUDE : 28317.000
DEPARTURE: 29370.000
ELEVATION: 655.300
DIP AT COLLAR: -90.00 DEG
AZIMUTH : 999.99 DEG
TOTAL DEPTH : 44.80

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-7

DATE LOGGED: --/10/88
LOGGED BY : D. R. Bull

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	44.80	0.00	3.04	CASING
		3.04	22.76	BASALT Fine grained porphyritic w.r.t. plag. in part. Amygdaloidal in part. FS dark grey-green chloritic minor quartz as in filling around pillows @ 9.07; 12.14; 14.10;17.13 metres
		22.76	23.17	LIMESTONE Fine grained massive. FS dark grey strongly dolomitized (fizz only when powdered). Upper contact indistinct lower contact 75 degrees to CA
		23.17	31.90	BASALT Fine grained porphyritic w.r.t. plag in part, amygdaloidal in part. FS dark grey -green, chloritic minor stringers of quartz 1mm.
		31.90	32.97	ALTERATION ZONE. Ginger brown color basalt altering to clays and Fe Oxides. Minor quartz veinlets 32.17-32.26: Quartz vein with rusty blebs and masses possibly oxidized sulfides? 32.30-32.40: All gone to clays, light brown color. Soft. Upper and lower contacts of alteration zone are gradational.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
		32.97	33.26	BASALT As above. Minor quartz-carbonate veinlets, 1-2mm at 70 degrees to C.A. with minor malachite staining.
		33.26	33.44	ALTERATION ZONE Ginger brown color, basalt altering to clays and Fe Oxidizes, minor quartz veinlets and blebs.
		33.44	37.67	BASALT As above. Minor malachite? staining.
		37.67	37.81	ALTERATION ZONE Ginger brown color, basalt altering to clays and Fe oxidizes minor quartz veinlets & blebs. Upper contact 60 degrees ACA, lower contact 60 degrees ACA
		37.81	42.73	BASALT Fine grained, porphyritic in part. Amygdaloidal in part, FS dark grey-green chloritic
		42.73	43.15	ALTERATION ZONE Ginger brown color, basalt altering to clays & Fe oxidizes minor quartz veinlets.
		43.15	44.80	BASALT As above

DRILL HOLE NUMBER : NFP88-7

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8764	31.29	31.79	0.50	1.	82.	6.	95.	0.1	28.	2.	1.
8765	31.79	32.97	1.18	1.	248.	73.	217.	7.5	290.	2.	23.
8766	32.97	33.23	0.26	1.	60.	2.	79.	0.1	11.	1.	1.
8767	33.23	33.53	0.30	1.	109.	19.	183.	0.3	161.	1.	10.
8768	33.53	34.03	0.50	1.	120.	23.	205.	1.2	27.	5.	4.
8769	37.17	37.67	0.50	1.	49.	9.	91.	0.1	5.	2.	2.
8770	37.67	37.82	0.15	1.	66.	41.	364.	0.6	95.	1.	3.
8771	37.82	38.32	0.50	1.	117.	6.	101.	0.1	8.	3.	5.
8772	42.22	42.72	0.50	1.	135.	9.	156.	0.2	28.	1.	3.
8773	42.72	43.16	0.44	1.	104.	19.	166.	0.4	423.	1.	11.
8774	43.16	43.66	0.50	1.	105.	5.	121.	0.2	32.	3.	1.

LATITUDE : 28362.000
DEPARTURE: 29355.000
ELEVATION: 653.800
DIP AT COLLAR: -90.00 DEG
AZIMUTH : 999.99 DEG
TOTAL DEPTH : 53.95

D I A M O N D D R I L L L O G

HOLE NO.: NFP88-8

DATE LOGGED: --/10/88
LOGGED BY : D.R. Bull

MAJOR From (metres)	MAJOR To (metres)	SUBUNIT From (metres)	SUBUNIT To (metres)	DESCRIPTION
0.00	53.95	0.00	3.25	CASING
		3.25	22.66	INTERMEDIATE VOLCANIC (ANDESITE) Minor volcanic pillow breccias with quartz infilling. Medium grained. FS light greenish grey 4.35: Becoming darker grey 5.00: (approx.) becoming finer grained, occasionally porphyritic. Amygdaloidal in part.
		22.66	23.26	LIMESTONE Fine grained, massive. FS light grey. Strongly dolomitized. Upper contact indistinct, lower contact approx 75 degrees to CA.
		23.26	43.14	BASALT Fine grained. FS medium greenish grey, Amygdaloidal. Porphyritic wrt Pyroxene? minor quartz stringers (or = 2mm. Sub parallel to core axis minor volcanic breccias with quartz infilling.
		43.14	44.31	ALTERATION ZONE Basalt altering to clays and Fe oxides. Ginger brown color. Minor quartz blebs. Upper & lower contact approx. 85 degrees to CA.
		44.31	47.01	BASALT As above.

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				45.01: 5mm wide quartz-carbonate veinlet at 65 degrees to core axis, minor sph.
		47.01	47.12	SMALL ALTERATION ZONE Basalt partially altered to clays and Fe oxides. Ginger brown color, original texture still visible. Upper contact 40 degrees, lower contact 70 degrees CA
		47.12	47.33	BASALT As above.
		47.33	47.64	ALTERATION ZONE Basalt altering to clays and Fe oxides minor quartz blebs. Some of original texutres still visible. Upper contact gradational, lower contact 60 degrees CA
		47.64	48.58	BASALT As above, but, more silicified, also minor CaCo3
		48.58	48.87	ALTERATION ZONE Basalt altering to clays and Fe oxidizes Upper contact gradational at approx 70 degrees CA, lower contact obscured by ground core.
		48.87	49.10	BASALT Fine grained. FS dark greenish grey. 6mm wide quartz-clay filled fracture. At approx 70 degrees to CA. Connects upper and lower alteration zones.
		49.10	49.25	ALTERATION ZONE Basalt altering to clays and Fe oxides Upper contact 45 degrees to CA, lower

MAJOR From	MAJOR To	SUBUNIT From	SUBUNIT To	DESCRIPTION
				contact 60 degrees to CA.
		49.25	51.60	BASALT Fine grained. Mostly equigranular Moderately silicified. Slightly amygdaloidal. Lower contact gradational.
		51.60	52.50	BASALT Porphyritic wrt plat and Pyroxene?
		52.50	53.95	BASALT Fine grained, Amygdaloidal in part.

ASSAY RECORD

DRILL HOLE NUMBER : NFP88-8

SAMPLE NO.	FROM	TO	WIDTH	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	As ppm	W ppm	Au ppb
8775	42.52	43.02	0.50	1.	87.	2.	123.	0.1	16.	2.	1.
8776	43.02	44.36	1.34	1.	202.	92.	298.	1.8	305.	1.	12.
8777	44.36	44.86	0.50	1.	180.	8.	169.	0.2	23.	2.	2.
8778	46.80	47.30	0.50	1.	67.	6.	107.	0.1	30.	1.	1.
8779	47.30	47.65	0.35	1.	207.	159.	451.	10.2	192.	1.	102.
8780	47.65	48.13	0.48	1.	68.	8.	166.	0.7	33.	3.	4.
8781	48.13	48.58	0.45	1.	30.	10.	74.	0.1	11.	1.	1.
8782	48.58	48.88	0.30	1.	66.	64.	332.	19.1	190.	1.	1.
8783	48.88	49.40	0.52	1.	41.	720.	1245.	6.8	82.	1.	9.
8784	49.40	49.90	0.50	1.	64.	5.	89.	4.0	17.	1.	2.

APPENDIX III

GEOCHEMICAL ANALYSIS - ICP MULTIELEMENT

Forbie DDH - NFP - 88 - 1 (TMc)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 5 1988 DATE REPORT MAILED: Oct 11/88 ASSAYER. C. Leong ..D.TOYE OR C.LEONG, CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 167/8810-016 File # 88-5022

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM
7651	1	137	7	19	.3	56	18	206	4.37	31	5	ND	2	46
7652	1	131	2	21	.3	43	18	242	5.43	2	5	ND	3	106
7653	1	244	13	26	.2	31	19	185	5.26	16	5	ND	2	157
7654	1	186	10	24	.3	35	17	160	4.63	4	5	ND	2	159
7655	1	1025	12	43	1.1	31	47	178	9.30	10	5	ND	3	131
7656	1	276	2	25	.4	31	19	211	5.43	6	5	ND	2	174
7657	1	393	2	25	.6	31	21	187	5.85	2	5	ND	3	118
7658	1	361	14	24	.3	47	59	135	14.36	19	5	ND	2	78
7659	1	392	19	23	.3	24	25	282	7.41	8	5	ND	2	100
7660	1	363	2	33	.9	25	22	330	4.63	2	5	ND	2	15
7661	1	458	16	42	.7	34	33	437	6.49	14	5	ND	2	22
7662	2	635	2	38	1.2	25	35	298	5.00	7	5	ND	2	12
7663	1	226	10	30	.3	27	21	284	4.20	20	5	ND	1	19
7664	1	191	2	35	.5	32	31	337	5.23	15	5	ND	3	41
7665	1	269	11	24	.3	29	30	165	4.78	10	5	ND	1	27
7666	2	314	2	25	.4	29	25	256	4.15	10	5	ND	1	17
7667	1	254	7	25	.4	29	23	239	5.06	8	5	ND	2	25
7668	1	545	8	55	.7	33	19	536	4.98	5	5	ND	2	28
7669	3	1303	6	45	1.7	41	55	260	6.12	14	5	ND	1	18
7670	1	564	3	31	.9	32	59	188	6.27	2	5	ND	2	26
7671	1	275	2	24	.2	39	33	123	5.46	6	5	ND	2	30
7672	1	309	8	25	.3	36	26	173	4.80	12	5	ND	1	18
7673	1	250	2	25	.5	37	24	133	4.47	3	5	ND	2	21
7674	1	272	3	25	.2	35	27	145	6.30	4	5	ND	1	46
7675	1	169	17	31	.1	39	23	220	5.51	13	5	ND	1	49
7676	1	275	4	32	.3	28	18	411	6.91	181	5	ND	2	44
7677	1	86	92	147	.7	12	7	747	5.42	13237	5	ND	2	43
STD C/AU-R	19	60	42	133	6.7	67	30	1019	4.29	43	21	8	39	49

SAMPLE#	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
7651	1	11	2	60	1.93	.029	3	49	1.07	67	.03	3	2.03	.07	.32	1	12
7652	1	2	3	98	.58	.029	3	71	1.49	143	.11	2	3.05	.12	.57	1	74
7653	1	10	2	102	1.87	.029	3	57	1.24	155	.09	6	3.72	.19	.46	7	5
7654	1	2	2	116	1.36	.027	3	67	1.46	146	.16	5	3.84	.25	.89	2	9
7655	1	2	2	97	2.14	.025	3	41	.96	61	.04	6	3.51	.21	.19	1	14
7656	1	2	2	137	1.59	.016	3	66	1.59	113	.15	2	4.26	.25	.97	1	3
7657	1	2	2	105	1.05	.015	2	57	1.44	66	.11	2	3.45	.18	.66	1	7
7658	2	16	2	87	1.61	.053	2	45	.69	33	.07	7	2.23	.12	.39	5	14
7659	1	2	2	187	1.32	.022	3	79	1.80	92	.13	6	3.95	.18	.78	1	[illegible]
7660	1	2	2	85	.73	.009	2	40	1.22	21	.06	4	1.69	.03	.09	1	1
7661	1	4	2	137	.74	.015	3	52	1.69	46	.08	5	2.53	.05	.19	3	7
7662	1	2	2	51	1.16	.028	3	24	.85	16	.01	2	1.35	.02	.08	1	12
7663	1	2	2	77	1.00	.011	2	35	1.07	41	.04	4	1.53	.04	.14	1	4
7664	1	2	2	85	1.17	.051	3	39	1.19	29	.06	2	2.01	.05	.12	1	6
7665	1	2	2	69	.87	.017	2	31	1.10	36	.04	2	1.89	.07	.09	1	2
7666	1	7	2	82	.77	.016	2	37	1.11	31	.04	5	1.51	.04	.06	5	10
7667	1	2	2	105	1.26	.012	2	39	1.28	46	.06	2	1.86	.05	.20	1	2
7668	1	2	2	125	1.36	.013	3	56	1.45	52	.09	2	2.37	.04	.21	1	12
7669	2	8	3	81	1.29	.029	3	41	1.30	33	.02	7	1.84	.03	.12	5	21
7670	1	2	2	102	.59	.020	2	46	1.11	40	.11	2	1.81	.07	.42	1	6
7671	1	2	2	134	.55	.017	2	59	1.40	67	.14	3	2.23	.09	.54	1	1
7672	1	8	2	130	.39	.024	2	62	1.32	159	.12	6	2.00	.06	.62	7	1
7673	1	2	2	105	.36	.013	2	49	1.22	105	.14	2	1.96	.06	.51	1	3
7674	1	2	2	129	.94	.022	2	56	1.20	63	.14	4	2.60	.13	.36	2	2
7675	1	12	2	158	1.19	.051	2	66	1.45	151	.20	4	3.17	.15	.81	5	1
7676	1	2	2	66	3.57	.017	4	28	.74	10	.02	3	1.54	.08	.09	1	2
7677	1	162	2	14	9.51	.021	4	5	1.48	11	.01	4	.15	.01	.07	1	31
STD C/AU-R	13	16	18	58	.50	.096	40	59	.94	174	.07	33	2.04	.06	.14	12	530

NFB 88 1-4

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 17 1988 DATE REPORT MAILED: Oct 19/88 SIGNED BY C. Leong ...D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-042 167 File # 88-5256 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 7678	2	167	9	25	.1	36	23	330	6.08	34	5	ND	1	50	1	6	6	88	2.18	.019	5	58	.93	44	.05	6	1.95	.13	.30	3	2
R 7679	2	165	13	95	.2	35	27	424	6.27	10679	5	3	1	39	2	91	7	29	3.89	.017	5	14	.88	9	.01	9	.54	.01	.20	1	1395
R 7680	1	146	3	24	.2	31	20	258	5.14	2	5	ND	2	57	1	2	2	106	1.98	.019	4	67	1.03	38	.15	2	2.70	.20	.26	1	4
R 7681	1	166	5	15	.1	37	15	178	4.96	19	5	ND	1	72	1	2	2	76	2.32	.032	3	31	.66	10	.14	4	3.26	.29	.03	1	3
R 7682	1	496	11	28	.1	34	36	203	8.67	11	5	ND	2	67	1	2	2	94	1.72	.039	3	55	.90	13	.10	4	3.99	.24	.09	2	7
R 7683	2	168	14	12	.1	34	19	116	5.50	6	5	ND	2	94	1	3	2	63	2.29	.022	4	28	.47	12	.16	4	4.23	.38	.02	2	2
R 7684	2	185	7	17	.1	30	18	124	6.02	11	5	ND	1	81	1	4	3	70	2.04	.032	3	51	.52	33	.14	4	3.80	.30	.09	3	6
R 7685	2	242	10	26	.1	39	28	189	6.47	9	5	ND	2	71	1	2	3	126	1.55	.022	3	61	1.18	75	.18	4	3.59	.27	.32	3	2
R 7686	1	205	15	24	.1	43	27	225	6.09	15	5	ND	1	51	1	8	2	130	1.42	.062	3	77	1.33	102	.21	6	3.34	.15	.51	9	9
R 7687	2	318	6	25	.2	46	21	210	4.78	132	5	ND	1	52	1	2	2	80	1.50	.043	3	55	1.08	45	.05	5	2.29	.09	.23	4	44
R 7688	1	814	11	40	.6	70	54	239	6.95	18	5	ND	1	66	1	3	2	89	1.82	.102	4	62	.80	70	.06	6	2.55	.14	.27	5	15
R 7689	1	1637	62	183	3.2	29	31	358	6.86	189	5	ND	1	61	2	2	5	63	2.12	.060	2	24	1.28	22	.04	5	2.02	.10	.12	2	177
R 7690	1	256	3	32	.1	13	17	220	4.17	21	5	ND	1	67	1	2	3	60	2.12	.062	3	35	1.34	19	.02	3	2.21	.09	.13	1	8
R 7691	1	2893	2	109	1.7	9	11	626	4.08	9	5	ND	1	7	2	2	3	48	.59	.044	6	39	1.13	21	.01	3	2.06	.02	.19	1	6
R 7692	2	1078	18	144	2.6	16	23	515	3.83	53	5	ND	1	28	1	2	2	18	2.80	.044	4	11	.80	19	.01	4	.84	.02	.23	1	22
R 7693	2	473	5	49	.7	12	15	505	3.14	166	5	ND	1	21	1	7	2	12	4.23	.045	5	10	.33	6	.01	4	.54	.01	.15	1	23
R 7694	2	426	3	31	.5	11	15	554	3.90	139	5	ND	1	14	1	12	2	7	2.89	.045	5	3	.55	4	.01	4	.56	.01	.31	1	7
R 7695	24	395	6	37	.5	14	17	269	3.73	18	5	ND	1	48	1	4	2	34	2.19	.043	6	25	.88	39	.02	5	2.26	.06	.28	1	5
R 7696	1	4068	9	164	6.7	21	22	453	3.84	22	5	ND	1	33	2	2	3	50	2.11	.036	2	25	1.08	15	.01	6	1.86	.03	.12	4	48
R 7697	3	2982	14	122	5.0	25	24	492	3.94	27	5	ND	1	30	2	2	2	48	2.45	.040	3	47	1.12	12	.01	4	1.75	.02	.15	83	21
R 7698	2	10615	12	543	19.6	30	60	942	5.93	229	5	ND	1	29	6	3	15	22	3.88	.027	4	8	.93	16	.01	7	.62	.01	.18	1	93
R 7699	2	9819	10	447	16.8	21	40	728	5.80	88	5	ND	1	18	5	3	9	15	2.50	.031	3	21	.82	20	.01	5	.39	.01	.21	1	81
R 7700	4	5764	9	154	12.6	19	32	757	5.36	86	5	ND	1	15	2	22	13	13	2.61	.031	4	8	.74	15	.01	5	.35	.01	.21	1	29
R 7701	3	16444	12	537	39.7	41	56	525	6.99	296	5	ND	1	4	5	48	65	9	.65	.034	3	21	.37	19	.01	3	.34	.01	.22	1	138
R 7702	3	898	7	30	3.1	12	12	803	4.37	129	5	ND	1	13	1	51	4	9	2.85	.033	3	7	.67	10	.01	11	.35	.01	.19	1	4
R 7703	2	1957	10	41	5.1	13	19	801	4.75	663	5	ND	1	12	1	84	4	8	2.83	.031	2	25	.66	13	.01	5	.29	.01	.19	1	14
R 7704	3	4329	18	165	8.3	18	27	887	4.44	181	5	ND	1	20	2	43	5	12	4.60	.034	3	9	.85	10	.01	6	.33	.01	.20	2	15
R 7705	3	3422	13	137	8.2	19	32	718	4.91	348	5	ND	1	19	2	27	2	12	2.64	.038	4	20	.69	17	.01	5	.46	.01	.22	1	162
R 7706	3	2450	23	204	5.6	18	26	676	3.98	153	5	ND	1	11	2	28	4	11	2.72	.036	5	7	.41	18	.01	4	.34	.01	.20	1	23
R 7707	3	919	9	60	1.6	12	19	576	4.12	20	5	ND	1	29	1	2	2	20	2.86	.039	4	22	.60	18	.01	4	.77	.01	.19	1	18
R 7708	1	942	2	62	1.8	11	15	530	4.27	9	5	ND	1	24	1	2	2	29	2.53	.039	4	17	.82	9	.01	2	1.58	.01	.12	1	2
R 7709	16	1698	7	95	2.9	15	17	478	4.38	15	5	ND	1	23	1	2	2	34	2.03	.037	4	21	.94	19	.02	2	1.78	.01	.17	1	15
R 7710	3	1331	4	73	2.5	14	15	468	4.15	27	5	ND	1	28	1	2	2	34	2.17	.037	4	36	.84	12	.01	2	1.67	.01	.13	1	8
R 7711	5	1541	5	87	2.9	14	15	456	3.90	13	5	ND	1	28	1	2	2	36	1.95	.034	5	23	.91	16	.01	2	1.65	.01	.15	1	9
R 7712	2	1310	9	75	2.3	16	17	540	4.23	23	5	ND	1	39	1	2	2	39	2.52	.034	4	51	.97	18	.01	2	1.88	.02	.16	2	7
R 7713	2	485	12	52	.7	15	16	554	4.31	16	5	ND	1	39	1	2	2	40	2.59	.028	4	25	1.13	13	.01	5	1.92	.01	.13	4	2
STD C/AU-R	17	59	40	132	7.1	67	31	1040	4.19	41	20	8	37	47	17	19	20	57	.48	.087	38	55	.94	172	.06	33	1.94	.06	.13	12	510

NORANDA EXPLORATION PROJECT 8810-042 167 FILE # 88-5256

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
R 7714	4	494	2	49	.9	13	13	460	3.93	9	5	ND	1	32	1	2	4	33	2.08	.038	3	21	1.00	9	.01	3	1.77	.01	.10	1	2
R 7715	2	939	7	75	2.0	17	12	531	3.80	31	5	ND	1	29	1	2	3	34	2.32	.034	3	22	.85	15	.01	2	1.63	.01	.13	1	7
R 7716	3	1172	6	43	2.1	15	13	485	2.84	16	5	ND	1	29	1	2	2	38	2.38	.034	4	24	.83	13	.01	2	1.66	.01	.12	3	3
R 7717	7	7646	12	295	13.2	42	38	415	5.71	123	5	ND	1	26	3	10	2	43	1.92	.036	3	25	.96	10	.01	2	1.87	.01	.09	1	54
R 7718	2	1143	10	68	1.9	14	14	471	4.50	11	5	ND	1	36	1	4	3	41	2.42	.040	3	24	1.05	15	.01	4	2.01	.02	.11	2	6
R 7719	4	1231	3	69	2.1	23	24	423	4.28	31	5	ND	1	33	1	2	2	26	2.75	.036	4	14	.58	12	.01	2	1.17	.01	.13	1	18
R 7720	4	12185	3	380	23.2	52	55	609	6.36	126	5	ND	1	20	4	8	19	16	2.90	.032	3	8	.48	10	.01	2	.33	.01	.12	1	143
R 7721	2	2040	10	81	4.3	18	17	356	5.15	48	5	ND	1	11	1	2	2	26	1.23	.038	3	16	.69	8	.01	2	1.67	.01	.12	1	10
R 7722	2	802	7	54	1.5	15	14	645	3.92	21	5	ND	1	39	1	2	2	25	3.61	.040	5	13	.80	10	.01	2	1.05	.01	.14	1	3
R 7723	2	1168	14	42	4.0	27	17	440	3.79	3120	5	ND	1	9	1	40	3	7	1.87	.038	2	8	.31	12	.01	2	.27	.01	.15	2	390
R 7724	1	536	5	57	1.3	23	9	583	2.83	27	5	ND	1	33	1	12	2	12	3.94	.054	4	9	.53	8	.01	2	.51	.02	.15	1	5
R 7725	4	1285	7	63	2.0	16	15	539	1.58	22	5	ND	1	38	1	8	2	13	3.33	.040	5	10	.35	10	.01	3	1.06	.02	.12	2	12
R 7726	3	365	22	53	.6	16	13	489	3.04	73	5	ND	1	21	1	14	2	8	2.41	.051	4	5	.51	4	.01	2	.41	.01	.16	1	6
R 7727	2	1102	4	65	1.6	16	14	351	3.92	4	5	ND	1	57	1	2	3	35	2.46	.041	3	21	.90	27	.01	2	1.74	.05	.17	1	17
R 7728	4	1970	10	112	3.1	19	21	381	4.48	20	5	ND	1	58	1	7	4	44	2.15	.038	3	26	1.16	35	.02	3	2.13	.06	.22	4	31
R 7729	2	1685	9	98	2.3	18	17	445	4.46	11	5	ND	1	61	1	2	4	41	2.76	.040	4	22	1.08	18	.01	2	2.00	.03	.09	2	61
R 7730	2	1992	4	104	4.2	16	16	439	3.92	12	5	ND	1	53	1	2	3	38	2.82	.038	3	21	.90	15	.01	2	1.67	.02	.08	1	22
R 7731	1	1738	6	84	3.1	16	13	446	3.53	11	5	ND	1	46	1	2	3	36	2.79	.037	4	23	.74	22	.01	2	1.57	.02	.10	1	18
R 7732	2	3567	5	160	5.6	21	23	412	4.53	11	5	ND	1	56	2	2	2	40	2.43	.037	3	26	1.03	17	.01	3	1.95	.03	.08	3	34
R 7733	3	2389	3	119	3.7	22	19	427	4.57	10	5	ND	1	59	1	2	4	44	2.30	.037	4	26	1.15	31	.01	3	2.22	.05	.16	1	55
R 7734	2	2445	10	104	3.1	21	18	365	3.65	13	5	ND	1	50	1	3	3	40	2.43	.036	4	25	.80	17	.01	2	1.61	.03	.07	5	23
R 7735	4	2019	3	90	2.9	19	17	435	3.96	6	5	ND	1	48	1	2	5	41	2.59	.035	4	24	.89	18	.01	2	1.68	.02	.08	1	43
R 7736	4	3991	7	156	5.5	28	22	480	4.29	33	5	ND	1	54	2	9	14	29	3.21	.038	4	15	.78	24	.01	8	1.07	.02	.11	2	85
R 7737	2	2061	5	93	3.1	25	19	544	4.04	11	5	ND	1	54	1	2	2	35	3.79	.031	5	16	.90	18	.01	2	1.58	.02	.10	1	36
R 7738	3	1872	4	89	3.6	25	17	386	3.90	7	5	ND	1	48	1	2	3	42	2.24	.040	3	26	1.01	27	.01	4	1.86	.04	.14	2	16
R 7739	1	970	6	61	1.5	16	14	390	3.96	3	5	ND	1	54	1	2	3	38	2.34	.039	4	20	.93	14	.01	2	1.74	.03	.09	1	7
R 7740	3	8801	15	289	12.9	55	40	443	5.53	31	5	ND	1	47	4	10	16	42	2.65	.036	3	22	.93	16	.01	8	1.73	.03	.09	7	79
R 7741	4	1449	6	79	2.1	16	16	419	4.43	9	5	ND	1	51	1	2	4	38	2.15	.041	4	21	1.02	14	.01	2	1.71	.04	.09	1	7
R 7742	3	2585	8	95	4.2	23	20	409	3.99	52	5	ND	1	31	1	10	2	16	2.95	.034	3	9	.57	8	.01	3	.53	.01	.09	1	32
R 7743	4	994	4	54	1.5	14	12	445	3.68	10	5	ND	1	49	1	2	3	22	3.44	.036	5	8	.62	13	.01	4	.63	.01	.10	1	9
R 7784	5	748	12	50	1.0	39	20	461	4.41	20	5	ND	1	40	1	13	2	62	2.38	.024	5	45	1.02	24	.01	3	1.52	.04	.13	2	7
R 7785	2	800	12	43	1.3	34	36	414	6.00	13	5	ND	1	50	1	2	3	72	2.11	.023	4	46	1.10	38	.01	2	2.07	.07	.20	1	8
R 7786	12	294	15	34	.2	46	21	513	5.12	16	5	ND	1	53	1	10	2	90	1.93	.030	4	70	1.60	67	.04	4	2.74	.05	.27	5	1
R 7787	2	290	10	28	.3	41	21	379	5.39	2	5	ND	2	73	1	2	2	101	1.16	.027	4	69	1.56	99	.06	6	3.04	.10	.23	1	1
R 7788	3	262	14	26	.1	40	21	319	5.25	13	5	ND	1	142	1	3	2	113	2.15	.025	4	74	1.42	119	.09	2	3.97	.20	.39	5	2
R 7789	3	231	13	25	.1	40	21	325	5.20	8	5	ND	1	60	1	2	2	101	.85	.029	3	68	1.53	88	.08	3	2.75	.08	.26	2	1
STD C/AU-R	18	61	42	132	7.2	68	31	1014	4.22	41	19	7	36	48	18	17	25	58	.49	.090	40	55	.96	179	.07	34	2.05	.06	.13	13	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM
R 7790	2	258	7	43	.7	43	22	361	5.22	2	5	ND	3	49	1	2	2
R 7791	2	154	6	25	.5	48	23	299	5.18	6	5	ND	2	62	1	5	2
R 7792	1	277	8	26	.6	39	23	254	5.02	2	5	ND	3	69	1	2	2
R 7793	1	569	10	30	.9	36	31	366	5.73	9	5	ND	3	124	1	2	2
R 7794	1	350	7	34	.9	32	25	330	5.14	11	5	ND	3	96	1	2	2
R 7795	1	272	8	28	.7	36	23	403	5.32	5	5	ND	3	100	1	2	2
R 7796	1	804	14	38	.9	40	62	499	10.94	27	5	ND	2	104	1	4	2
R 7797	1	392	18	57	1.1	33	26	544	6.67	627	5	ND	4	66	1	2	2
R 7798	3	459	12	47	.9	36	26	340	6.03	10	5	ND	3	79	1	5	2
R 7799	1	862	6	38	1.2	20	34	241	6.16	2	5	ND	3	30	1	2	2
R 7800	1	251	7	26	.5	18	14	278	3.18	4	5	ND	1	13	1	4	2
R 7801	3	586	5	36	1.2	25	27	303	4.50	2	5	ND	4	18	1	2	2
R 7802	1	411	9	24	.6	30	35	190	4.57	9	5	ND	1	22	1	3	2
R 7803	3	346	3	24	.7	29	22	222	4.25	2	5	ND	2	17	1	2	2
R 7804	1	317	5	23	.5	35	26	167	5.23	2	5	ND	2	29	1	2	2
R 7805	1	140	4	19	.4	34	21	190	5.03	3	6	ND	2	39	1	2	2
R 7806	1	176	2	19	.4	34	22	161	4.58	2	5	ND	3	28	1	2	2
R 7807	1	192	11	23	.4	40	22	190	4.97	14	5	ND	1	34	1	8	2
R 7808	1	170	23	752	.8	34	19	278	4.43	1311	5	ND	2	21	6	5	2
R 7809	1	126	99	251	.7	31	19	380	3.92	2073	5	ND	1	21	2	61	2
R 7810	1	61	2	21	.3	33	19	194	4.60	4	5	ND	2	21	1	2	2
R 7811	1	227	2	19	.3	42	26	105	5.23	11	5	ND	2	41	1	2	2
R 7812	2	142	10	27	.3	29	54	151	8.51	6	5	ND	1	41	1	2	2
R 7813	1	172	4	19	.4	36	21	107	4.76	8	5	ND	2	31	1	2	2
R 7814	1	227	6	29	.5	36	26	226	5.28	6	5	ND	2	38	1	2	2
R 7815	1	293	9	30	.5	34	23	257	5.31	4	5	ND	1	33	1	2	2
R 7816	1	235	6	18	.1	28	23	208	4.66	6	5	ND	2	78	1	19	2
R 7817	1	185	2	18	.3	32	22	110	4.58	2	5	ND	2	38	1	2	2
R 7818	2	433	10	23	.3	37	35	142	6.18	13	5	ND	1	41	1	7	2
R 7819	1	133	2	24	.3	44	14	203	3.86	2	5	ND	2	69	1	2	2
R 7820	4	688	15	33	.8	50	26	215	5.33	13	5	ND	1	82	1	8	2
R 7821	2	114	2	24	.4	50	15	199	4.13	2	5	ND	2	48	1	2	2
R 7822	1	451	12	59	1.6	39	27	922	3.69	568	5	ND	2	97	1	39	3
R 7823	1	117	5	23	.3	48	11	217	3.13	6	5	ND	2	51	1	2	2
R 7824	1	586	8	28	.3	32	37	339	9.55	5	5	ND	3	38	1	2	3
R 7825	8	233	2	33	.5	47	13	327	3.75	2	5	ND	2	46	1	2	2
STD C/AU-R	19	61	44	132	6.9	70	31	1020	4.21	39	19	7	38	49	18	16	23

SAMPLE#	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 7790	90	1.37	.027	4	50	1.49	69	.04	2	2.58	.04	.29	1	3
R 7791	105	.88	.026	2	59	1.71	132	.07	6	3.04	.07	.46	4	3
R 7792	97	.89	.027	3	48	1.50	91	.05	2	2.73	.08	.27	1	1
R 7793	106	2.56	.027	4	45	1.39	120	.05	2	3.29	.12	.38	2	12
R 7794	105	1.66	.018	3	43	1.46	74	.05	2	2.96	.11	.26	2	8
R 7795	118	2.30	.018	3	49	1.61	127	.07	2	3.37	.11	.46	1	4
R 7796	103	3.55	.039	7	35	1.11	14	.02	2	3.79	.08	.07	3	4
R 7797	153	2.56	.025	5	51	1.59	97	.04	2	3.39	.09	.37	1	58
R 7798	189	1.68	.124	4	62	1.67	144	.08	4	3.77	.14	.61	5	6
R 7799	100	.69	.035	2	31	1.20	70	.07	2	2.18	.07	.26	1	7
R 7800	63	.56	.013	2	23	.84	8	.05	4	1.43	.03	.04	3	1
R 7801	94	.62	.010	2	31	1.23	16	.06	2	1.96	.04	.07	1	6
R 7802	93	.56	.020	2	33	1.20	22	.05	3	1.77	.05	.08	5	1
R 7803	95	.45	.011	2	30	1.20	19	.07	2	1.68	.04	.06	1	1
R 7804	151	.48	.014	2	43	1.64	87	.12	3	2.57	.08	.53	1	1
R 7805	161	.54	.017	2	47	1.74	177	.16	2	3.16	.11	.99	1	1
R 7806	139	.52	.013	2	43	1.55	127	.14	2	2.66	.07	.68	1	1
R 7807	146	.64	.045	2	46	1.60	153	.16	6	2.89	.09	.73	6	1
R 7808	55	1.44	.013	3	19	.99	79	.02	2	1.09	.02	.26	1	152
R 7809	23	1.54	.015	3	10	.57	15	.01	6	.53	.01	.15	1	11
R 7810	138	.70	.013	2	45	1.38	195	.15	2	2.54	.06	.76	1	1
R 7811	153	.99	.097	2	44	1.30	121	.16	2	2.78	.13	.82	1	1
R 7812	115	1.54	.097	2	34	1.27	34	.06	2	3.09	.11	.23	2	1
R 7813	151	.51	.016	2	49	1.46	161	.19	2	2.63	.10	.96	1	1
R 7814	170	.64	.018	2	54	1.63	158	.19	2	3.07	.11	.99	2	1
R 7815	142	1.30	.035	2	46	1.43	123	.11	3	2.53	.08	.53	2	3
R 7816	21	5.84	.016	5	6	.95	9	.01	7	.40	.01	.14	1	1
R 7817	127	1.45	.013	3	41	1.26	127	.12	3	2.34	.08	.53	1	1
R 7818	134	1.10	.029	2	45	1.21	55	.11	3	3.03	.13	.43	8	2
R 7819	102	2.22	.030	3	62	.97	52	.08	2	4.56	.25	.19	1	1
R 7820	98	2.82	.040	3	66	.90	86	.07	4	5.75	.28	.39	10	1
R 7821	94	1.29	.033	2	68	1.08	71	.08	2	3.44	.14	.32	1	1
R 7822	10	7.60	.037	4	6	.25	19	.01	2	.29	.01	.15	1	49
R 7823	94	1.42	.032	2	77	1.13	56	.06	2	2.84	.13	.22	1	1
R 7824	32	1.68	.031	2	25	.35	8	.03	2	2.94	.07	.03	1	712
R 7825	107	1.34	.031	2	73	1.13	92	.09	2	2.32	.12	.37	1	7
STD C/AU-R	59	.50	.088	40	53	.97	181	.07	34	1.98	.06	.13	12	470

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 7826	1	224	2	36	.3	43	22	256	5.48	4	5	ND	4	32	1	2	2	105	1.26	.032	4	86	1.37	75	.08	2	2.43	.07	.34	1	5
R 7827	1	275	3	31	.5	45	20	225	5.13	9	5	ND	3	36	1	2	2	102	1.17	.031	3	92	1.38	94	.08	2	2.48	.09	.39	1	6
R 7828	1	1656	9	59	1.7	61	88	253	14.58	9	5	ND	4	35	1	2	2	67	1.37	.034	3	61	1.16	43	.03	2	2.30	.08	.21	1	28
R 7829	1	132	5	51	.3	42	12	342	4.28	2	5	ND	4	46	1	2	2	101	1.49	.033	4	90	1.43	78	.07	2	2.61	.11	.34	1	4
R 7830	1	759	11	22	.2	68	40	139	6.99	10	5	ND	3	37	1	2	2	110	1.07	.041	4	90	1.39	89	.07	5	2.46	.10	.43	2	3
R 7831	1	66	9	22	.1	34	13	207	4.18	6	5	ND	2	25	1	2	2	83	1.49	.023	5	63	1.32	47	.03	3	2.03	.02	.15	3	2
R 7832	1	162	5	19	.1	37	16	165	4.11	4	5	ND	2	45	1	2	2	72	1.93	.024	5	54	1.18	41	.01	3	1.71	.02	.11	1	2
R 7833	1	123	3	15	.2	19	10	133	3.30	2	5	ND	3	30	1	2	2	67	1.01	.016	3	36	.91	38	.06	2	1.46	.05	.11	1	3
R 7834	1	557	10	26	.1	21	24	154	6.36	7	5	ND	2	85	1	2	2	72	1.95	.060	5	37	.82	40	.04	2	2.83	.13	.11	1	8
R 7835	1	267	4	25	.2	42	22	163	5.61	2	5	ND	4	57	1	2	2	126	.84	.029	3	76	1.47	108	.10	2	2.93	.13	.54	1	7
R 7836	1	259	5	30	.4	40	22	207	5.38	2	5	ND	4	36	1	2	2	76	.88	.026	4	53	1.39	81	.05	2	2.12	.04	.35	1	4
R 7837	1	2338	14	115	3.4	85	57	552	10.79	31	5	ND	3	44	2	3	2	130	1.34	.034	5	68	1.86	80	.05	2	3.03	.05	.33	1	23
R 7838	1	131	9	31	.3	31	22	253	5.49	6	5	ND	4	137	1	2	3	147	1.00	.026	3	68	1.66	288	.18	2	3.67	.17	1.06	1	5
R 7839	3	212	3	36	.4	24	12	364	3.70	5	5	ND	2	21	1	2	2	65	1.00	.013	2	30	1.02	19	.02	2	1.36	.03	.08	2	3
R 7840	5	311	2	25	.2	24	14	134	4.23	3	5	ND	3	21	1	2	2	73	.40	.012	2	34	1.08	55	.06	4	1.66	.06	.22	1	5
R 7841	2	315	13	36	.2	33	21	154	5.18	11	5	ND	1	33	1	2	2	103	1.01	.058	3	49	1.41	27	.06	5	2.10	.07	.13	3	7
R 7842	1	780	16	35	.5	42	37	195	8.10	18	5	ND	1	35	2	7	2	91	1.18	.027	3	43	1.13	20	.07	9	2.13	.05	.13	6	19
R 7843	1	383	5	25	.5	34	20	117	5.17	3	5	ND	3	64	1	2	2	108	.57	.014	2	44	1.03	30	.07	2	1.92	.09	.23	2	6
R 7844	1	317	3	25	.3	30	18	137	5.00	2	5	ND	3	31	1	2	2	86	.71	.031	2	40	1.14	21	.06	2	2.00	.08	.10	1	3
R 7845	2	237	2	25	.2	37	22	154	5.54	3	5	ND	2	40	1	2	2	113	.73	.011	2	53	1.32	75	.09	3	2.48	.09	.33	2	4
R 7846	1	827	2	43	.7	33	45	132	8.38	3	5	ND	3	60	1	2	2	59	1.02	.034	2	26	.68	10	.03	2	2.02	.05	.06	1	6
R 7847	1	185	2	32	.4	28	13	216	3.98	2	5	ND	3	20	1	2	2	100	.44	.009	2	48	1.17	12	.07	2	1.58	.05	.06	1	1
R 7848	1	117	9	28	.3	29	12	222	3.91	2	5	ND	3	43	1	2	2	106	.83	.012	3	50	1.19	74	.11	2	1.98	.05	.35	1	1
R 7849	1	255	5	29	.4	31	19	215	4.51	6	5	ND	2	58	1	2	2	96	.92	.017	2	45	1.10	14	.06	2	2.41	.12	.06	3	2
R 7850	9	217	2	24	.1	21	17	211	4.35	4	5	ND	2	39	1	2	2	102	2.95	.430	6	44	1.02	90	.06	3	1.78	.05	.45	1	3
R 7851	1	53	24	44	.1	33	14	313	4.43	61	5	ND	2	40	1	19	2	66	2.37	.026	6	34	1.10	33	.02	4	1.95	.01	.24	5	2
R 7852	1	283	164	617	.8	29	31	396	4.75	1213	5	ND	2	44	9	13	3	58	4.02	.039	8	29	.96	7	.01	4	1.68	.01	.13	1	11
R 7853	1	37	29	88	.2	24	10	417	4.56	159	5	ND	2	56	1	5	3	109	2.94	.014	5	50	1.10	109	.06	4	2.16	.06	.41	1	1
R 7854	1	89	14	43	.1	24	14	178	3.59	67	5	ND	1	35	1	2	2	98	1.36	.014	2	42	.89	34	.08	3	1.80	.09	.14	2	1
R 7855	1	139	8	24	.1	35	19	189	5.19	7	5	ND	2	73	1	2	2	148	1.50	.016	4	60	1.17	127	.13	3	2.83	.18	.63	1	1
R 7856	1	202	4	23	.2	29	20	171	4.99	5	5	ND	2	34	1	2	2	97	1.10	.017	2	43	.87	28	.08	2	1.61	.07	.12	1	1
STD C/AU-R	19	62	42	133	6.8	67	31	1029	4.30	45	21	8	40	50	18	16	22	61	.49	.099	39	59	.97	181	.07	34	2.01	.06	.13	12	490

Forbidden DDH NFP-88-3 (?Mc)

ACME ANAL..ICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOU.. .. B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1..

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 7 1988 DATE REPORT MAILED: Oct. 14/988 SIGNED BY. B. C........ .D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-028 167 File # 88-5070 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
7744	6	1793	7	107	2.9	17	18	467	4.45	12	5	ND	1	34	1	2	2	39	1.51	.043	4	34	1.06	18	.01	2	1.83	.03	.10	1	39
7745	7	2139	2	106	3.3	13	15	472	4.40	11	5	ND	1	48	1	5	3	41	1.39	.043	4	31	1.00	18	.01	2	1.81	.04	.11	1	15
7746	3	1235	9	78	1.3	14	16	422	4.36	11	5	ND	1	36	1	2	2	41	1.47	.045	4	35	1.19	40	.01	2	1.90	.04	.21	1	13
7747	8	1668	14	114	2.5	15	17	573	4.55	9	5	ND	1	43	1	2	2	42	2.21	.043	10	30	1.05	17	.01	2	1.86	.03	.11	1	17
7748	4	2159	2	105	3.9	14	18	522	4.75	40	5	ND	1	11	2	3	2	44	.38	.043	7	36	1.06	21	.01	2	1.96	.03	.12	1	30
7749	3	1091	13	90	2.1	16	15	558	4.93	18	5	ND	1	13	2	6	2	43	.31	.045	5	33	1.24	25	.01	2	2.28	.03	.14	2	9
7750	15	6624	25	341	12.0	31	26	860	6.55	32	5	ND	1	51	4	3	2	58	2.87	.039	74	32	1.32	22	.01	2	2.35	.03	.16	1	105
7751	3	745	6	70	1.5	15	14	743	4.83	15	5	ND	1	16	3	2	2	46	.31	.043	9	37	1.11	26	.01	3	2.06	.02	.17	1	10
7752	112	11171	8	310	18.2	28	74	425	8.23	75	5	ND	1	30	7	2	2	56	.91	.044	23	33	1.21	34	.01	2	2.06	.04	.22	1	120
7753	4	2066	2	131	3.7	18	23	614	5.85	37	5	ND	1	16	2	7	2	45	.51	.045	6	38	1.16	22	.01	2	2.13	.02	.12	1	24
7754	7	1186	6	104	2.4	18	19	681	4.71	18	5	ND	1	42	2	2	2	40	2.60	.043	4	28	.96	24	.01	5	1.72	.02	.18	1	10
7755	6	1280	6	85	2.7	14	15	848	4.28	19	5	ND	1	86	2	2	2	40	4.61	.040	5	32	.31	24	.01	2	1.66	.01	.20	1	6
7756	5	1170	11	85	2.8	18	16	772	4.99	15	5	ND	1	52	1	2	2	46	2.99	.041	5	27	1.10	22	.01	4	1.89	.01	.19	1	4
7757	3	824	15	59	1.9	15	18	758	5.04	19	5	ND	1	42	2	2	2	40	2.80	.043	4	31	1.07	24	.01	2	1.94	.01	.22	1	29
7758	259	53400	199	1948	109.1	230	205	633	24.81	385	7	ND	1	22	20	9	135	64	1.40	.758	159	27	1.10	13	.01	2	1.71	.01	.13	1	435
7759	7	1125	16	95	2.5	15	15	608	4.69	15	5	ND	1	34	1	2	2	46	1.67	.043	3	35	1.17	23	.01	2	1.94	.02	.20	1	13
7760	6	1028	13	73	2.3	17	15	998	5.53	15	5	ND	1	43	1	2	2	52	3.24	.040	6	30	1.29	25	.01	2	2.22	.01	.21	1	8
7761	5	1610	17	83	3.6	18	15	861	4.69	21	5	ND	1	72	2	2	2	43	4.23	.039	5	31	1.02	29	.01	2	1.89	.02	.26	2	11
7762	3	1623	28	133	3.5	22	17	880	5.67	37	5	ND	1	40	1	5	2	49	2.79	.042	6	30	1.29	22	.01	2	2.18	.01	.22	1	22
7763	6	4510	25	230	11.5	54	48	796	8.37	133	5	ND	1	36	3	6	2	36	2.85	.039	5	35	1.08	21	.01	2	1.79	.01	.19	1	52
7764	5	1525	20	103	4.9	18	15	758	4.36	43	5	ND	1	38	1	2	2	43	2.56	.043	5	29	.94	24	.01	2	1.72	.01	.24	1	12
7765	8	1014	24	83	2.8	19	14	812	4.96	26	5	ND	1	44	2	2	2	49	2.91	.042	5	36	1.10	25	.01	6	1.97	.01	.26	2	7
7766	8	1491	14	87	3.7	21	16	676	5.15	44	5	ND	1	44	1	2	2	47	2.13	.045	4	42	1.21	31	.01	2	2.13	.03	.27	1	8
7767	3	1271	10	132	3.1	19	15	868	4.88	43	5	ND	1	52	2	2	3	46	3.42	.042	5	29	1.08	24	.01	2	1.88	.01	.25	1	10
7768	6	1052	10	95	2.3	24	22	773	5.92	39	5	ND	1	58	1	2	2	43	3.56	.040	4	39	.99	31	.01	2	1.73	.02	.25	1	103
7769	4	1060	11	83	2.4	19	14	837	4.53	19	5	ND	1	62	1	2	2	45	3.64	.043	5	29	1.04	33	.01	4	1.81	.02	.28	1	8
7770	3	1141	4	104	2.6	17	16	623	4.78	17	5	ND	1	41	2	2	2	44	2.19	.044	3	36	1.10	20	.01	2	1.72	.01	.20	1	46
7771	4	1015	5	73	1.9	19	18	910	4.65	18	5	ND	1	63	1	2	2	43	4.27	.038	6	24	.97	31	.01	3	1.67	.02	.24	2	17
7772	7	1219	10	80	2.6	25	25	736	4.92	31	5	ND	1	51	2	6	2	38	3.31	.040	4	32	.85	27	.01	2	1.41	.01	.22	1	23
7773	11	696	9	87	1.4	16	16	613	4.70	16	5	ND	1	39	1	2	2	32	2.56	.046	3	21	1.12	21	.01	3	1.51	.01	.19	1	18
7774	7	569	11	63	1.3	16	12	838	3.99	14	5	ND	1	48	1	2	2	38	3.69	.041	5	28	.91	27	.01	2	1.41	.01	.24	1	3
7775	8	583	9	88	1.4	17	14	749	4.32	33	5	ND	1	41	1	3	2	40	2.98	.043	4	24	1.00	25	.01	3	1.52	.01	.26	1	6
7776	5	1152	10	100	2.4	19	20	703	4.60	37	5	ND	1	37	2	2	2	31	2.64	.043	4	27	.98	23	.01	5	1.27	.01	.24	1	10
7777	4	531	9	114	1.1	21	13	496	3.62	128	5	ND	1	22	3	6	2	27	.71	.046	6	17	.47	29	.01	2	1.20	.03	.27	1	7
7778	1	233	3	42	.8	16	13	839	4.50	1739	5	ND	1	19	1	35	2	6	4.32	.046	3	24	.69	25	.01	5	.26	.01	.20	2	50
7779	7	189	12	39	.6	27	18	518	3.70	1524	5	ND	2	9	1	26	2	11	1.30	.021	5	11	.36	35	.01	2	.32	.01	.25	1	240
STD C/AU-R	15	56	38	133	6.6	67	28	1057	3.94	43	19	7	36	47	17	16	18	57	.47	.032	38	57	.87	173	.07	33	1.80	.06	.15	13	520

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
7780	10	139	7	77	.5	38	17	664	3.66	90	5	ND	2	10	1	15	2	20	2.23	.043	10	24	.42	36	.01	2	.38	.01	.27	1	1
7781	9	83	11	111	.6	46	16	906	5.53	163	5	ND	2	13	2	33	2	25	2.59	.047	6	22	.67	28	.01	3	.38	.01	.26	1	5
7782	7	141	11	75	.6	37	20	1067	6.30	307	5	ND	2	25	2	21	2	28	3.73	.038	7	28	1.11	25	.01	2	.39	.01	.26	1	2
7783	24	280	10	51	.6	54	21	593	5.23	128	5	ND	2	63	1	15	2	77	1.87	.043	5	60	1.23	49	.01	3	2.41	.11	.32	1	7

Assay required for correct result for Cu > 10,000 ppm
Ag > 35.0 ppm.

Forbidden (iMc) DDH 88-5 8810-062

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 27 1988 DATE REPORT MAILED: Oct 31/88 SIGNED BY.......D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-062 167 File # 88-5492

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 7857	5	3963	19	572	11.2	21	15	681	4.37	112	5	ND	1	7	4	19	3	12	1.38	.032	3	6	.48	19	.01	4	.43	.01	.23	1	132
R 7858	4	2567	11	2034	6.4	21	19	521	3.38	383	5	ND	1	7	15	28	2	11	1.22	.038	4	6	.46	20	.01	3	.40	.01	.21	1	32
R 7859	3	2633	28	1256	7.3	21	28	550	5.54	74	5	ND	1	9	11	16	4	11	1.78	.034	2	7	.54	17	.01	2	.38	.01	.19	1	85
R 7860	3	1842	9	144	4.1	18	18	707	4.14	34	5	ND	1	24	1	8	2	19	2.77	.040	4	7	.60	18	.01	2	.55	.01	.21	1	22
R 7861	3	2359	13	121	5.4	19	19	821	5.22	80	5	ND	1	39	1	2	2	34	3.29	.034	4	13	1.03	16	.01	3	2.00	.01	.20	2	245
R 7862	2	3266	13	161	7.1	23	22	749	3.96	60	5	ND	1	30	1	2	2	21	3.30	.038	4	10	.71	14	.01	5	1.03	.01	.19	1	7
R 7863	3	2290	29	281	5.5	17	18	923	3.99	1770	5	ND	1	57	3	5	6	22	6.30	.031	4	10	.64	16	.01	4	1.22	.01	.20	1	265
R 7864	2	240	3	25	.1	49	19	331	4.71	2	5	ND	1	116	1	2	3	52	3.30	.037	4	50	.52	24	.06	14	4.84	.22	.08	6	4
R 7865	9	285	9	41	.5	16	16	609	3.85	6	5	ND	1	23	1	2	2	41	2.09	.032	7	46	.72	18	.01	3	1.70	.01	.22	2	6
R 7866	11	24	6	33	.1	17	13	806	4.38	4	5	ND	1	34	1	2	5	42	2.66	.032	3	21	1.08	16	.01	2	2.33	.01	.23	4	7
R 7867	8	219	9	45	.3	19	13	806	4.58	5	5	ND	1	39	1	2	4	46	2.50	.036	3	24	1.20	19	.01	3	2.53	.02	.22	4	5
R 7868	11	2262	11	77	3.4	40	35	453	3.78	50	5	ND	1	19	1	3	2	28	1.45	.021	3	23	.57	30	.01	2	1.45	.01	.20	2	50
R 7869	23	909	9	65	1.1	18	16	619	3.82	11	5	ND	1	33	1	2	5	35	2.02	.032	3	22	.83	21	.01	8	1.90	.02	.20	2	8
R 7870	18	2774	5	103	5.9	21	29	536	3.95	30	5	ND	1	39	1	2	2	32	2.48	.037	3	23	.67	13	.01	2	1.58	.02	.18	1	41
R 7871	17	4873	3	146	5.8	41	50	553	5.45	58	5	ND	1	43	1	2	2	29	3.07	.037	4	19	.70	16	.01	8	1.63	.02	.18	2	91
R 7872	17	8560	6	205	10.5	39	44	470	5.50	42	5	ND	1	44	2	2	4	40	1.91	.039	3	22	.98	24	.01	10	2.06	.04	.17	5	56
R 7873	13	9239	8	260	11.5	57	50	521	6.53	49	5	ND	1	48	3	2	3	43	2.15	.032	3	22	1.08	22	.01	2	2.23	.03	.16	5	122
R 7874	9	4968	10	148	6.1	31	31	603	5.70	28	5	ND	1	45	2	2	2	49	2.42	.034	3	18	1.17	10	.01	2	2.34	.02	.13	5	54
R 7875	13	4657	9	136	5.8	33	32	563	5.54	31	5	ND	1	43	1	2	4	44	2.18	.040	3	20	1.10	20	.01	7	2.32	.03	.15	4	76
R 8526	6	1729	3	76	2.2	22	25	635	5.80	14	5	ND	1	63	1	2	2	51	2.34	.032	4	22	1.39	21	.01	5	2.82	.04	.14	14	28
R 8527	23	3557	5	124	4.4	30	27	583	5.27	22	5	ND	1	45	2	2	2	47	2.10	.035	3	37	1.13	22	.01	3	2.51	.04	.21	39	79
R 8528	27	3817	8	125	4.8	33	30	511	4.93	29	5	ND	1	47	2	2	2	45	2.17	.035	3	25	1.06	17	.01	2	2.19	.04	.14	12	35
R 8529	29	7543	8	203	9.7	47	42	587	5.69	48	5	ND	1	33	2	2	3	43	2.53	.036	3	35	1.08	19	.01	2	2.29	.02	.16	4	54
R 8530	21	4523	2	173	5.9	37	32	561	5.35	35	5	ND	1	31	2	2	3	44	2.05	.043	3	25	1.10	15	.01	3	2.28	.02	.15	4	77
R 8531	23	2100	6	96	2.6	30	25	414	4.01	29	5	ND	1	22	1	2	2	33	1.51	.032	4	34	.76	24	.01	2	1.72	.02	.18	1	26
R 8532	7	1879	2	61	2.2	79	38	158	3.50	24	5	ND	2	12	1	2	2	29	.58	.021	5	18	.15	46	.03	8	.80	.02	.20	1	42
R 8533	19	9426	5	311	13.5	49	38	750	5.15	54	5	ND	1	39	4	2	2	36	3.50	.025	4	31	.76	17	.01	4	1.79	.01	.17	1	27
R 8534	23	1425	9	54	2.9	22	15	567	3.05	61	5	ND	1	26	1	2	2	33	2.51	.030	4	20	.60	25	.01	5	1.50	.01	.24	2	18
R 8535	18	1051	2	39	2.5	17	8	261	2.01	73	5	ND	1	7	1	2	2	20	.84	.013	2	38	.34	17	.01	3	.84	.01	.12	2	12
R 8536	24	3698	10	136	8.5	34	26	570	4.83	131	5	ND	1	18	1	2	5	45	1.57	.037	3	22	.92	28	.01	5	2.14	.01	.26	2	29
R 8537	18	332	10	50	.8	16	12	657	3.94	21	5	ND	1	22	1	2	2	53	2.45	.021	4	43	.83	32	.01	2	1.97	.01	.24	2	11
R 8538	11	114	3	13	.4	25	8	492	2.12	70	5	ND	1	13	1	2	3	20	3.05	.011	4	16	.32	21	.01	3	.76	.01	.12	1	17
R 8539	17	120	5	20	.3	26	12	575	3.50	23	5	ND	1	18	1	2	2	42	1.97	.025	4	25	.67	39	.01	3	1.71	.01	.25	3	8
R 8540	10	75	4	35	.2	19	12	527	4.03	25	5	ND	1	17	1	2	3	35	2.19	.023	3	32	.62	27	.01	2	1.45	.01	.19	2	31
R 8541	9	257	2	45	.6	27	11	322	3.37	61	5	ND	1	9	1	2	2	38	.90	.023	4	21	.54	26	.01	5	1.25	.01	.18	2	17
R 8542	4	741	2	13	1.3	42	22	228	3.20	73	5	ND	2	11	1	2	2	28	.99	.026	4	37	.30	44	.01	6	.88	.01	.20	1	3
STD C/AU-R	18	58	38	132	7.1	68	30	1057	4.24	41	17	8	37	47	18	20	21	57	.49	.095	39	56	.92	175	.06	38	2.05	.06	.13	12	490

8810-062

Forbidden Pl. NFP 88-6 (TMc) 8810-061

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 25 1988 DATE REPORT MAILED: Oct. 31, 1988 SIGNED BY Bernard Chan ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-061 167 File # 88-5428 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8711	26	237	3	56	.6	10	18	591	5.50	12	5	ND	1	29	1	2	2	28	2.29	.033	4	16	1.07	21	.01	2	1.76	.02	.17	1	7
R 8712	18	640	12	69	1.3	13	20	509	5.23	15	5	ND	1	28	1	2	2	36	1.54	.034	3	21	1.19	13	.01	2	2.25	.03	.12	1	9
R 8713	68	1155	2	94	2.4	11	18	586	5.10	14	5	ND	1	30	1	2	2	27	2.35	.037	3	14	.97	17	.01	4	1.61	.02	.14	1	22
R 8714	22	765	10	93	1.6	12	21	583	5.35	12	5	ND	1	31	1	2	2	24	2.63	.034	3	15	.94	17	.01	2	1.66	.02	.14	1	10
R 8735	6	150	5	47	.4	13	29	604	5.24	3	5	ND	1	38	1	2	2	30	2.18	.034	3	20	1.14	18	.01	2	2.38	.03	.11	1	8
R 8736	6	647	2	65	1.2	13	20	584	5.44	5	5	ND	1	35	1	2	2	32	1.83	.036	3	21	1.17	17	.01	2	2.35	.03	.11	1	4
R 8737	6	349	4	53	.7	14	20	610	5.51	20	5	ND	1	37	1	2	2	31	2.13	.040	4	19	1.07	12	.01	2	2.01	.02	.11	1	5
R 8738	5	252	3	50	.5	14	17	636	4.88	165	5	ND	1	23	1	4	2	8	1.92	.038	5	4	.45	6	.01	5	.65	.01	.15	1	3
R 8739	7	623	5	70	1.4	12	19	516	6.83	17	5	ND	1	25	1	2	2	31	.95	.027	3	17	1.64	12	.01	2	2.56	.02	.10	1	5
R 8740	5	1304	2	67	2.9	13	22	629	5.53	10	5	ND	1	33	1	2	2	32	1.91	.028	4	19	.97	21	.01	2	2.17	.02	.12	1	24
R 8741	11	777	10	81	1.7	14	21	557	6.67	60	5	ND	1	20	1	2	2	31	.82	.033	3	23	1.05	21	.01	2	2.59	.02	.15	1	10
R 8742	6	474	5	242	1.1	14	15	528	4.67	22	5	ND	1	34	2	2	2	33	1.63	.044	4	21	1.09	19	.02	2	2.06	.04	.12	1	72
R 8743	6	760	7	71	1.5	17	61	719	7.66	63	5	ND	1	32	1	2	2	35	2.23	.030	3	19	1.23	17	.01	2	2.60	.02	.11	1	36
R 8744	6	170	7	48	.4	13	14	559	4.71	7	5	ND	1	34	1	2	2	32	1.82	.034	3	20	1.15	14	.01	2	2.25	.03	.10	1	2
R 8745	14	234	2	61	.5	12	14	580	4.60	10	5	ND	1	31	1	2	2	37	1.75	.039	3	22	1.23	13	.01	2	2.30	.02	.08	1	1
R 8746	12	735	5	76	1.6	13	18	551	4.59	9	5	ND	1	31	1	2	2	45	1.90	.031	3	26	1.21	13	.01	2	2.13	.03	.03	1	1
R 8747	27	1034	6	93	2.3	18	16	663	5.02	2	5	ND	1	33	1	2	2	43	1.95	.042	4	26	1.31	10	.01	3	2.44	.03	.06	1	1
R 8748	37	2305	6	53	1.5	55	48	227	7.99	8	5	ND	1	24	1	2	2	220	.44	.006	2	94	.36	22	.08	2	1.90	.05	.10	1	1
R 8749	3	226	3	34	.4	12	13	318	3.45	42	5	ND	1	34	1	2	2	42	1.25	.036	3	12	.91	34	.03	3	1.73	.06	.09	1	4
R 8750	3	1175	11	50	1.5	38	42	323	10.17	75	5	ND	1	58	1	2	2	87	2.79	.030	3	30	.44	17	.07	3	3.71	.09	.03	1	21
R 8751	2	280	7	33	.4	21	16	398	4.29	106	5	ND	1	33	1	2	2	78	1.79	.027	4	37	.99	19	.03	2	2.37	.08	.07	1	1
R 8752	1	514	9	40	.1	58	29	282	6.13	16	5	ND	1	24	1	2	2	133	1.49	.162	7	86	1.08	26	.04	2	3.07	.09	.09	3	6
R 8753	2	422	12	63	.2	92	34	499	7.00	15	5	ND	1	23	1	2	2	269	.69	.050	3	146	.93	23	.07	2	2.61	.05	.13	1	2
R 8754	3	529	6	58	.5	81	31	457	6.55	18	5	ND	1	22	1	2	2	194	.34	.012	3	103	.55	33	.07	2	2.16	.03	.24	1	9
R 8755	54	505	13	87	2.1	43	32	797	6.74	45	5	ND	1	31	1	2	2	76	2.07	.169	5	45	.55	22	.01	3	1.55	.02	.21	1	44
R 8756	71	606	9	47	.5	107	34	358	5.47	10	5	ND	1	28	1	2	2	228	.47	.011	2	121	.55	37	.07	4	1.90	.05	.31	1	15
R 8757	7	326	4	58	.1	106	53	478	5.02	13	5	ND	1	15	1	2	2	233	.57	.086	5	152	1.02	15	.06	3	3.19	.04	.14	2	1
R 8758	7	337	12	33	.2	52	24	301	6.23	12	5	ND	1	32	1	2	2	258	1.65	.018	3	130	.91	25	.07	2	3.42	.08	.13	3	1
R 8759	1	376	12	29	.3	48	25	203	7.12	2	5	ND	1	97	1	2	2	191	3.93	.052	5	92	.26	22	.09	2	5.92	.28	.02	2	1
R 8760	4	318	10	46	.3	67	34	560	5.51	4	5	ND	1	28	1	2	2	290	.52	.001	2	135	1.23	50	.09	2	2.24	.05	.31	2	1
R 8761	22	115	3	75	.2	58	26	1072	7.42	146	5	ND	1	38	1	11	2	109	2.11	.002	4	46	.84	15	.01	5	.85	.07	.13	1	1
R 8762	220	1065	2	21	.9	7	12	450	2.51	8	5	ND	1	37	1	2	2	11	3.54	.036	5	5	.32	10	.01	8	.87	.01	.15	1	1
R 8763	5	766	2	30	1.1	9	10	208	2.28	3	5	ND	1	45	1	2	2	73	.83	.038	2	11	.92	18	.05	6	1.33	.06	.06	1	1
R 8764	1	82	6	55	.1	47	30	867	6.26	28	5	ND	1	33	1	2	2	129	3.85	.035	6	23	2.09	8	.30	8	2.92	.03	.08	2	1
R 8765	1	248	73	217	7.5	51	35	1048	5.63	290	5	ND	1	22	2	3	2	56	4.95	.031	5	19	.40	10	.02	17	.91	.01	.36	2	23
R 8766	1	60	2	79	.1	51	30	928	6.14	11	5	ND	1	46	1	2	2	123	4.70	.036	5	40	2.60	6	.13	7	2.79	.06	.06	1	1
STD C/AU-R	18	58	42	132	6.5	68	30	1013	4.07	38	19	8	36	47	17	17	18	55	.47	.082	37	55	.91	174	.06	36	1.59	.06	.14	11	530

8810-061

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8767	1	109	19	183	.3	47	28	867	5.61	161	5	ND	1	32	1	2	2	86	6.81	.037	5	35	.86	14	.07	14	1.56	.01	.24	1	10
R 8768	1	120	23	205	1.2	44	30	929	6.37	27	5	ND	1	33	1	2	2	152	4.70	.040	6	29	2.39	5	.39	7	3.61	.02	.04	5	4
R 8769	1	49	9	91	.1	39	29	1120	6.27	5	5	ND	1	29	1	2	2	148	4.10	.043	6	22	1.99	3	.40	11	2.96	.02	.07	2	2
R 8770	1	66	41	364	.6	43	33	1500	6.50	95	5	ND	1	29	2	2	2	115	4.31	.043	6	23	1.45	11	.19	11	2.15	.02	.15	1	3
R 8771	1	117	6	101	.1	34	27	1002	6.01	8	5	ND	1	26	1	2	2	133	3.50	.041	6	11	1.85	5	.34	11	3.06	.02	.03	3	5
R 8772	1	135	9	156	.2	44	29	1011	5.90	28	5	ND	1	24	1	2	2	135	3.26	.037	6	25	2.22	5	.35	11	2.95	.03	.04	1	3
R 8773	1	104	19	166	.4	49	27	1655	5.72	423	5	ND	1	27	1	2	2	60	7.17	.035	5	23	.33	18	.01	14	.93	.01	.20	1	11
R 8774	1	105	5	121	.2	37	30	936	6.17	32	5	ND	1	25	1	2	2	136	4.74	.043	6	21	1.83	6	.23	10	2.96	.02	.02	3	1
R 8775	1	87	2	123	.1	36	27	922	5.49	16	5	ND	1	21	1	2	2	127	3.34	.039	5	18	1.90	5	.31	8	2.67	.02	.03	2	1
R 8776	1	202	92	298	1.8	40	29	1109	5.62	305	5	ND	1	20	2	4	2	66	5.42	.041	5	15	.42	16	.04	17	.87	.01	.24	1	12
R 8777	1	180	8	169	.2	40	28	1072	5.73	23	5	ND	1	32	1	2	2	129	3.16	.034	6	23	2.60	7	.32	9	2.93	.02	.07	2	2
R 8778	1	67	6	107	.1	49	29	945	5.81	30	5	ND	1	27	1	2	2	118	3.49	.036	6	29	1.96	6	.19	9	2.46	.02	.09	1	1
R 8779	1	207	159	451	10.2	55	33	1704	5.89	192	5	ND	1	20	2	9	2	66	2.65	.039	5	27	.75	9	.01	14	1.14	.01	.20	1	102
R 8780	1	68	8	166	.7	44	28	707	5.82	33	5	ND	1	26	1	2	2	140	4.54	.036	5	33	2.04	4	.25	10	3.29	.02	.03	3	4
R 8781	1	30	10	74	.1	41	30	864	6.13	11	5	ND	1	24	1	2	2	150	3.90	.037	5	31	2.55	5	.30	8	3.17	.02	.04	1	1
R 8782	1	66	64	332	19.1	54	35	1480	7.40	190	6	ND	1	28	2	2	2	79	3.44	.048	7	24	.71	9	.03	17	1.34	.01	.25	1	1
R 8783	1	41	720	1245	6.8	45	28	1423	5.38	82	5	ND	1	44	5	2	2	86	3.31	.032	5	30	1.54	8	.13	9	1.83	.01	.19	1	9
R 8784	1	64	5	89	.4	42	26	840	5.27	17	5	ND	1	25	1	2	2	123	3.72	.031	4	33	2.33	7	.27	4	2.71	.02	.06	1	2
STD C/AU-R	18	57	38	132	7.1	67	31	1073	3.81	38	22	7	36	44	17	18	19	55	.46	.084	36	55	.90	174	.06	32	1.82	.06	.15	11	520

Ford Lin (TMc)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 21 1988 DATE REPORT MAILED: Oct. 26, 1988 SIGNED BY Bernard Chan D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-052/167 File # 88-5357 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8543	10	31	6	9	.1	20	8	271	2.20	112	5	ND	1	12	1	2	2	25	1.35	.044	3	18	.34	24	.01	2	.77	.01	.18	1	13
R 8544	4	171	2	12	.3	37	11	245	3.08	79	5	ND	1	10	1	2	2	38	.95	.012	4	23	.24	48	.03	2	1.02	.01	.28	1	9
R 8545	5	176	4	8	.2	33	13	343	1.69	143	5	ND	1	16	1	2	2	28	2.36	.012	5	34	.22	24	.01	2	.62	.01	.18	1	7
R 8546	8	27	3	10	.1	29	7	252	2.43	84	5	ND	1	10	1	2	2	19	1.45	.010	2	17	.24	22	.01	3	.62	.01	.15	1	1
R 8547	7	152	4	5	.2	16	5	100	.89	130	5	ND	1	4	1	2	2	11	.34	.014	4	39	.12	15	.01	2	.38	.01	.13	1	5
R 8548	4	77	3	5	.1	26	7	151	1.48	40	5	ND	1	7	1	2	2	16	.63	.011	4	13	.13	22	.01	2	.49	.01	.15	1	1
R 8549	3	217	4	11	.4	17	5	104	.75	20	5	ND	1	5	1	2	2	8	.51	.007	3	41	.07	18	.01	2	.31	.01	.13	1	1
R 8550	2	17	3	3	.1	9	6	3326	1.14	693	5	ND	1	145	1	2	2	8	23.15	.011	19	3	.16	14	.01	2	.38	.01	.16	1	36
R 8551	1	3731	7	150	6.9	30	69	638	5.61	112	5	ND	1	42	1	2	2	25	5.10	.053	3	36	.85	7	.01	2	1.60	.01	.13	1	36
R 8552	1	558	3	36	.7	15	25	719	3.70	40	5	ND	1	40	1	2	2	16	9.63	.049	5	16	.55	3	.01	3	.94	.01	.09	2	7
R 8553	14	79	4	25	.1	42	12	502	4.19	15	5	ND	1	17	1	2	2	65	1.93	.040	6	78	.79	20	.01	2	1.88	.01	.25	1	1
R 8554	12	56	3	24	.1	34	12	617	4.23	12	5	ND	1	20	1	2	2	61	2.73	.027	7	50	.86	20	.01	3	1.34	.01	.23	1	1
R 8555	6	54	4	19	.1	31	10	442	2.71	31	5	ND	1	28	1	2	2	46	2.71	.026	4	60	.52	16	.01	2	1.11	.01	.21	1	19
R 8556	1	339	5	34	.4	23	24	573	4.91	15	5	ND	1	128	1	2	2	37	3.10	.058	2	32	1.20	18	.03	2	2.25	.03	.17	1	1
R 8557	1	475	4	37	.5	20	25	516	5.34	15	5	ND	1	64	1	2	2	36	2.99	.056	3	42	1.21	11	.01	2	2.28	.02	.13	1	3
R 8558	1	910	3	54	1.9	24	37	479	5.41	35	5	ND	1	73	1	2	2	36	2.92	.056	3	34	1.19	9	.01	2	2.15	.03	.10	1	5
R 8559	1	153	5	32	.2	22	29	469	5.02	23	5	ND	1	80	1	2	2	36	2.61	.055	3	41	1.29	15	.01	2	2.38	.04	.13	1	1
R 8560	10	1142	7	47	1.6	40	33	433	4.49	422	5	ND	1	36	1	2	2	71	2.35	.042	5	73	.62	13	.01	2	1.75	.03	.18	1	77
R 8561	6	1032	7	40	1.1	43	16	353	3.74	3	5	ND	2	41	1	2	2	72	2.02	.043	5	76	.71	25	.01	2	2.02	.06	.13	1	1
R 8562	7	7072	13	163	6.5	61	36	393	6.03	3	5	ND	1	48	2	2	2	80	2.78	.041	4	75	.74	16	.01	2	2.50	.05	.11	1	65
R 8563	5	2770	10	89	3.8	72	52	470	8.77	14	5	ND	1	46	1	2	2	84	2.11	.042	5	81	.93	36	.03	2	2.95	.06	.20	1	83
R 8564	6	5341	10	152	6.7	51	31	406	5.81	6	5	ND	1	37	2	2	4	81	2.06	.039	4	70	.79	18	.01	2	2.26	.04	.16	1	124
R 8565	4	4201	6	129	5.4	52	35	325	4.94	2	5	ND	2	58	1	2	2	69	2.67	.041	5	85	.59	19	.01	4	2.57	.11	.13	1	65
R 8566	5	3654	6	107	4.7	37	22	463	4.80	6	5	ND	2	35	1	2	4	71	2.47	.039	6	64	.76	18	.01	3	1.89	.02	.18	1	37
R 8567	5	8985	2	232	11.9	64	48	498	7.28	10	5	ND	1	35	3	2	5	77	2.37	.040	5	75	.84	15	.01	3	1.97	.02	.16	4	210
R 8568	4	5504	2	152	8.5	62	34	558	7.22	5	5	ND	2	32	2	2	2	93	2.06	.040	6	68	1.02	19	.01	3	2.28	.02	.19	1	43
R 8569	8	397	9	57	.6	39	16	608	4.92	28	5	ND	2	44	1	2	2	78	2.17	.040	5	74	.90	23	.01	2	2.46	.06	.21	1	11
R 8570	6	84	4	51	.1	49	17	622	6.00	4	5	ND	2	37	1	2	2	93	1.81	.058	5	75	1.20	30	.03	2	2.66	.04	.24	1	1
R 8571	9	294	6	79	.5	49	20	623	5.72	12	5	ND	2	31	1	2	2	85	1.73	.043	5	78	1.12	28	.01	2	2.43	.03	.20	1	3
R 8572	1	98	4	39	.2	77	23	369	5.51	8	5	ND	3	24	1	2	2	64	.65	.046	5	73	1.20	39	.03	3	2.58	.05	.23	1	1
R 8573	8	569	3	52	.9	44	22	601	6.21	3	5	ND	2	27	1	2	2	82	1.30	.041	4	73	1.64	22	.01	2	2.34	.02	.22	1	6
R 8574	3	245	4	45	.2	42	21	715	6.70	3	5	ND	2	38	1	2	2	85	2.76	.039	5	69	1.21	21	.01	2	2.63	.02	.19	1	1
R 8575	2	108	5	46	.2	40	19	625	6.81	2	5	ND	2	26	1	2	2	97	1.45	.041	5	80	1.28	20	.01	3	2.79	.02	.13	1	1
R 8576	3	156	6	42	.1	46	18	563	6.19	5	5	ND	2	27	1	2	2	89	1.32	.042	5	74	1.26	23	.01	2	2.67	.02	.17	1	1
R 8577	4	74	3	44	.1	43	18	598	6.93	2	5	ND	2	22	1	2	2	94	1.24	.041	5	82	1.34	24	.01	2	2.93	.02	.20	1	1
R 8578	3	121	7	41	.2	39	16	626	6.41	4	5	ND	2	32	1	2	2	89	1.86	.035	5	74	1.23	20	.01	3	2.64	.02	.15	1	9
STD C/AU-R	19	62	43	133	7.0	70	31	1036	4.24	42	17	7	39	50	19	17	17	61	.50	.099	41	57	.93	180	.07	38	2.03	.06	.15	13	530

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8579	2	2858	6	108	4.0	68	24	568	6.91	7	5	ND	2	23	1	2	3	89	1.16	.038	3	72	1.24	19	.01	4	2.61	.02	.14	1	40
R 8580	2	100	6	40	.2	43	16	493	6.13	3	5	ND	2	32	1	2	3	96	1.23	.039	4	82	1.36	62	.04	2	2.74	.04	.33	1	1
R 8581	1	1210	5	60	1.7	50	31	571	7.77	8	5	ND	2	31	1	2	2	97	1.47	.039	4	84	1.36	29	.02	6	2.70	.03	.19	2	3
R 8582	2	48	5	43	.1	37	16	627	6.59	8	5	ND	2	31	1	2	3	98	1.55	.038	4	76	1.36	19	.01	3	2.77	.02	.13	1	1
R 8583	2	63	12	50	.3	38	16	696	6.37	4	5	ND	2	43	1	2	2	104	2.22	.038	4	77	1.43	19	.01	4	2.89	.02	.14	1	1
R 8584	2	36	5	44	.2	38	14	616	6.48	9	5	ND	2	29	1	2	2	98	1.35	.040	5	78	1.36	22	.01	5	2.76	.02	.13	1	6
R 8585	2	64	4	41	.1	36	16	669	6.60	2	5	ND	2	35	1	2	2	100	1.95	.038	4	74	1.41	21	.01	3	2.79	.02	.14	1	1
R 8586	2	70	9	44	.2	41	20	678	7.41	6	5	ND	2	36	1	2	2	107	1.86	.038	4	75	1.49	20	.01	4	2.97	.02	.13	1	1
R 8587	2	128	9	47	.3	37	18	730	7.37	7	5	ND	2	38	1	2	2	110	2.14	.040	4	78	1.52	21	.01	3	3.00	.02	.13	1	1
R 8588	2	73	8	49	.1	46	20	671	7.38	8	5	ND	2	36	1	2	2	107	1.84	.041	4	75	1.46	24	.01	4	2.95	.02	.14	1	1
R 8589	1	55	13	49	.1	41	18	580	6.88	3	5	ND	2	40	1	2	2	109	1.65	.040	5	79	1.43	66	.05	4	2.91	.04	.39	1	1
R 8590	2	104	9	62	.3	47	21	516	7.70	2	5	ND	2	41	1	2	3	131	1.17	.039	4	85	1.64	98	.08	5	3.23	.05	.95	1	4
R 8591	3	137	11	56	.2	50	19	500	7.19	8	5	ND	2	36	1	2	2	125	.90	.041	5	85	1.57	73	.07	4	3.16	.05	.55	1	1
R 8592	1	1223	8	64	1.9	52	27	473	5.97	58	5	ND	2	36	1	5	3	74	1.47	.041	6	58	.97	19	.01	6	2.24	.03	.13	1	7
R 8593	2	353	13	50	.7	39	18	574	7.52	30	5	ND	2	27	1	5	2	92	1.93	.038	7	52	1.29	16	.01	4	2.31	.01	.12	1	5
R 8594	2	33	7	42	.1	34	16	705	6.28	2	5	ND	2	49	1	2	2	90	2.86	.035	5	56	1.32	20	.01	4	2.47	.02	.12	1	1
R 8595	3	152	12	62	.4	45	20	711	7.63	5	5	ND	2	40	1	2	2	108	2.04	.040	5	74	1.58	26	.01	6	3.01	.02	.15	1	1
R 8596	3	79	11	61	.1	54	19	467	6.48	8	5	ND	2	47	1	2	2	124	1.21	.040	5	84	1.55	91	.09	2	3.06	.06	.92	1	1
R 8597	2	38	5	45	.2	46	15	681	6.58	5	5	ND	2	37	1	2	2	103	1.94	.039	7	72	1.49	27	.01	5	2.95	.02	.15	1	1
R 8598	3	57	3	54	.1	45	19	710	7.57	10	5	ND	2	30	1	2	2	114	1.70	.044	6	77	1.53	30	.01	2	3.07	.02	.16	1	1
R 8599	3	68	4	44	.1	40	15	623	6.20	11	5	ND	2	28	1	2	2	97	1.52	.038	6	68	1.33	31	.01	2	2.64	.02	.15	1	3
R 8600	1	8703	18	233	11.6	89	95	499	13.25	9	5	ND	1	45	3	2	3	90	2.16	.034	6	61	.95	30	.01	6	2.61	.03	.09	1	96
R 8688	3	226	3	40	.4	33	14	626	5.51	4	5	ND	2	37	1	2	2	88	2.15	.035	7	58	1.22	26	.01	3	2.38	.02	.12	1	4
R 8689	112	437	2	107	1.1	16	20	520	5.14	19	5	ND	1	26	1	2	2	40	1.55	.044	3	30	1.09	19	.01	5	2.05	.03	.13	1	5
R 8690	19	795	11	114	1.8	13	21	584	5.66	17	5	ND	1	23	1	2	4	41	1.33	.045	3	29	1.20	16	.01	5	2.27	.03	.11	1	44
R 8691	8	463	7	44	.9	14	16	465	5.30	9	5	ND	1	29	1	2	2	32	1.82	.041	3	28	1.17	17	.01	3	2.00	.04	.10	1	1
R 8692	21	608	9	48	.9	16	16	422	5.52	6	5	ND	1	34	1	2	2	38	1.51	.044	3	29	1.26	18	.01	2	2.11	.05	.09	1	15
R 8693	11	509	4	55	1.1	15	21	589	6.83	14	5	ND	1	27	1	2	2	36	1.60	.040	3	27	1.36	17	.01	4	2.43	.03	.10	1	1
R 8694	72	312	6	58	.8	14	15	540	5.35	12	5	ND	1	23	1	2	2	42	1.07	.042	3	31	1.24	10	.01	3	2.24	.04	.07	2	1
R 8695	49	516	3	73	1.1	14	21	572	5.28	18	5	ND	1	32	1	2	2	45	1.45	.061	4	31	1.35	32	.01	2	2.33	.04	.17	1	3
R 8696	36	410	12	156	1.0	11	20	594	5.97	26	5	ND	1	22	1	2	3	38	1.70	.044	3	30	1.12	19	.01	8	2.27	.01	.21	1	7
R 8697	54	442	8	63	1.0	15	17	593	5.58	13	5	ND	1	35	1	2	2	42	2.26	.044	3	28	1.21	13	.01	8	2.29	.03	.12	1	3
R 8698	22	320	3	66	.7	12	15	555	5.13	10	5	ND	1	35	1	2	3	42	1.86	.045	3	30	1.19	13	.01	5	2.26	.04	.10	1	1
R 8699	19	795	10	68	1.7	15	23	546	5.99	19	5	ND	1	39	1	2	2	42	1.85	.043	3	33	1.23	14	.01	8	2.29	.05	.10	1	9
R 8700	11	302	4	54	.6	13	22	617	6.17	18	5	ND	1	36	1	2	2	43	2.15	.042	5	28	1.22	14	.01	4	2.40	.04	.10	1	4
R 8701	15	337	6	56	.8	13	23	605	6.41	19	5	ND	1	30	1	2	3	39	1.95	.044	3	28	1.19	14	.01	5	2.44	.03	.12	1	6
STD C/AU-R	18	61	38	132	7.1	68	30	1028	4.18	41	17	7	38	49	18	19	22	61	.49	.098	40	56	.91	179	.07	38	1.95	.06	.15	11	510

NORANDA EXPLORATION PROJECT 8810-052/167 FILE # 88-5357

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8702	16	316	6	69	.6	13	22	568	6.07	17	5	ND	1	27	1	2	2	41	1.45	.045	2	28	1.21	10	.01	2	2.36	.03	.08	1	7
R 8703	14	733	3	79	1.7	13	27	588	5.94	22	5	ND	1	30	1	2	2	37	2.10	.041	2	25	1.16	9	.01	2	2.14	.02	.10	1	23
R 8704	41	311	7	55	.9	9	16	493	4.61	15	5	ND	1	26	1	2	3	31	1.62	.029	2	21	.90	8	.01	4	1.58	.01	.09	1	26
R 8705	42	549	2	77	1.0	15	21	617	4.74	369	5	ND	1	18	1	23	2	11	1.53	.052	3	8	.62	5	.01	4	.35	.01	.15	1	4
R 8706	42	413	10	62	1.1	13	18	616	6.10	16	5	ND	1	34	1	2	2	38	2.14	.044	3	27	1.20	14	.01	4	2.11	.02	.14	1	14
R 8707	16	417	7	60	.9	13	18	581	5.54	16	5	ND	1	38	1	2	2	34	2.37	.043	3	23	1.12	13	.01	3	2.03	.02	.13	1	11
R 8708	17	306	4	47	.9	12	15	513	4.87	8	5	ND	1	41	1	2	2	36	2.41	.045	3	24	1.06	22	.01	8	1.76	.03	.15	1	34
R 8709	13	655	11	239	1.7	14	25	635	6.69	128	5	ND	1	19	2	9	2	14	1.91	.044	3	12	.74	3	.01	6	.49	.01	.15	1	37
R 8710	15	344	6	56	.8	14	20	620	5.72	21	5	ND	1	33	1	2	3	38	2.42	.045	3	24	1.15	12	.01	2	1.87	.02	.12	1	15
R 8715	39	722	2	93	1.6	14	16	634	3.83	268	5	ND	1	18	1	8	2	6	1.89	.047	3	5	.43	7	.01	9	.26	.01	.15	1	3
R 8716	13	431	5	53	.7	12	14	632	5.65	15	5	ND	1	32	1	3	2	20	2.26	.047	4	13	.68	9	.01	3	1.06	.01	.12	1	3
R 8717	27	406	2	56	.8	11	14	608	6.01	10	5	ND	1	33	1	2	2	31	2.18	.045	3	22	1.07	17	.01	5	1.88	.02	.13	1	9
R 8718	12	451	7	60	.8	11	16	640	6.16	9	5	ND	1	35	1	2	2	31	2.18	.043	3	23	1.14	20	.01	3	2.20	.02	.14	1	26
R 8719	12	391	4	48	.7	10	14	723	6.05	8	5	ND	1	39	1	2	2	27	3.00	.046	4	22	1.10	22	.01	4	2.22	.02	.14	1	11
R 8720	9	266	2	49	.5	12	15	656	6.28	14	5	ND	1	36	1	2	2	32	2.19	.045	3	25	1.13	20	.01	4	2.34	.03	.14	3	6
R 8721	15	638	4	61	1.2	14	19	609	5.29	33	5	ND	1	36	1	2	2	41	1.85	.046	3	28	1.25	23	.01	2	2.26	.03	.15	1	10
R 8722	10	287	2	61	.7	12	21	717	6.88	31	5	ND	1	26	1	2	2	34	1.85	.046	3	27	1.20	24	.01	2	2.43	.02	.20	1	7
R 8723	8	3071	10	489	7.8	13	35	790	9.52	327	5	ND	1	19	4	6	4	28	1.44	.042	3	20	.90	14	.01	4	1.65	.01	.15	1	780
R 8724	14	4555	11	343	14.3	14	29	793	8.09	95	5	ND	1	12	3	3	4	30	1.44	.041	3	20	.96	14	.01	2	1.90	.01	.16	2	420
R 8725	20	353	2	95	1.9	15	22	611	6.56	27	5	ND	1	27	1	2	2	33	1.79	.044	3	24	.88	15	.01	2	2.02	.01	.15	1	17
R 8726	17	379	4	55	.7	13	17	648	5.95	12	5	ND	1	30	1	2	2	34	2.07	.045	3	27	1.12	23	.01	3	2.23	.01	.16	1	14
R 8727	5	819	3	68	1.4	12	17	685	6.63	9	5	ND	1	32	1	2	2	28	2.38	.043	3	20	1.02	19	.01	3	2.12	.01	.13	1	9
R 8728	5	465	2	57	.7	12	20	763	7.65	8	5	ND	1	37	1	2	2	35	2.16	.046	4	25	1.40	21	.01	2	2.82	.02	.13	1	11
R 8729	7	334	9	55	.6	14	18	549	6.55	5	5	ND	1	31	1	2	2	33	1.77	.045	3	26	1.23	18	.01	2	2.51	.02	.12	1	4
R 8730	6	593	2	39	1.1	14	28	804	6.53	53	5	ND	1	29	1	6	3	24	1.65	.045	3	21	1.20	26	.01	7	1.95	.01	.13	1	8
R 8731	4	367	5	65	.7	11	17	590	7.25	5	5	ND	1	33	1	2	2	31	1.82	.046	3	23	1.10	23	.01	5	1.43	.03	.13	1	20
R 8732	5	351	2	58	.9	15	21	639	6.86	7	5	ND	1	35	1	2	2	37	1.71	.047	3	29	1.26	24	.01	6	2.67	.04	.12	1	1
R 8733	4	423	5	63	.9	13	14	581	5.39	7	5	ND	1	36	1	2	2	38	1.93	.046	3	28	1.20	18	.01	6	2.35	.03	.11	1	4
R 8734	5	465	4	63	.9	14	33	655	6.26	13	5	ND	1	38	1	2	2	36	2.30	.045	3	28	1.25	14	.01	5	2.47	.02	.31	1	9
STD C/AU-R	18	60	43	132	6.3	68	30	1028	4.15	42	19	6	37	49	19	18	20	60	.49	.097	40	55	.91	183	.07	37	1.96	.06	.14	11	525

Forbidden IFP 88-4 (TMc) 8811-021

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: NOV 15 1988 DATE REPORT MAILED: Nov 21/88 SIGNED BY. C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8811-024 167 File # 88-5852 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8919 DR	4	2085	2	80	.9	14	15	442	4.43	7	5	ND	1	10	1	2	3	42	.15	.040	6	25	1.07	14	.01	2	2.01	.03	.06	1	5
8920 DR	1	412	2	31	.5	23	17	296	3.54	7	5	ND	1	17	1	2	2	73	1.08	.009	2	49	.93	23	.05	2	1.46	.03	.08	2	4
8921 DR	1	337	2	33	.3	30	18	315	4.45	5	5	ND	1	21	1	2	4	119	.98	.008	4	47	1.38	53	.09	5	2.06	.05	.21	1	1
8922 DR	1	158	2	22	.1	42	24	165	5.52	7	5	ND	1	25	1	2	2	152	.51	.023	2	66	1.43	73	.18	3	2.67	.08	.66	1	1
8923 DR	1	111	6	18	.1	40	23	128	5.02	10	5	ND	1	25	1	2	2	139	.45	.015	2	58	1.44	95	.18	2	2.61	.08	.72	1	1
8924 DR	4	258	2	18	.1	39	26	97	5.18	7	5	ND	1	23	1	2	2	126	.42	.022	2	63	1.39	58	.15	2	2.32	.07	.48	1	2
8925 DR	2	146	6	19	.1	40	24	113	5.03	5	5	ND	1	24	1	2	2	135	.75	.014	2	57	1.45	85	.19	3	2.66	.08	.60	1	1
8926 DR	1	147	6	23	.1	38	23	157	4.26	8	5	ND	1	34	1	2	2	122	.64	.014	2	62	1.22	79	.14	2	2.62	.12	.43	1	1
8927 DR	1	133	2	18	.1	36	18	125	3.90	6	5	ND	1	18	1	2	2	99	.43	.013	2	45	1.13	42	.13	2	1.77	.06	.18	1	1
8928 DR	1	139	3	22	.2	38	24	159	4.89	9	5	ND	2	22	1	2	2	126	.39	.014	2	64	1.34	71	.18	2	2.36	.06	.73	1	1
8929 DR	1	242	2	27	.1	37	25	183	5.27	6	5	ND	1	28	1	2	2	142	.45	.011	2	57	1.42	77	.18	2	2.67	.10	.72	1	2
8930 DR	1	168	5	24	.1	43	28	135	5.58	13	5	ND	1	26	1	2	2	141	.43	.010	2	69	1.48	69	.19	2	2.75	.09	.94	1	1
8931 DR	4	407	5	35	.6	38	23	298	4.77	9	5	ND	1	22	1	2	2	132	.48	.018	2	57	1.38	113	.17	2	2.35	.05	.48	2	1
8942 DR	1	334	2	32	.5	35	21	255	4.61	8	5	ND	1	25	1	2	2	137	.54	.006	2	64	1.25	126	.17	2	2.35	.09	.60	2	1
8943 DR	1	380	2	21	.1	40	24	114	5.16	9	5	ND	1	42	1	2	2	157	.31	.052	2	61	1.39	93	.20	2	3.11	.15	1.08	1	2
8944 DR	1	162	2	24	.1	36	23	141	4.90	12	5	ND	1	29	1	2	2	153	.46	.013	2	73	1.44	106	.21	2	2.56	.10	1.02	1	1
8945 DR	4	260	3	23	.1	51	31	123	5.74	8	5	ND	1	35	1	2	2	151	.64	.031	2	62	1.47	51	.17	3	2.77	.32	.61	3	1
8946 DR	1	182	3	19	.1	36	23	109	5.26	8	5	ND	1	46	1	3	2	173	.81	.038	2	76	1.58	80	.19	2	3.23	.35	1.31	1	1
8947 DR	5	44	40	174	.1	23	5	243	1.07	7	5	ND	2	12	2	2	2	13	1.52	.010	6	11	.09	41	.01	2	.48	.01	.39	1	59
8948 DR	4	175	7	24	.2	61	19	361	3.53	13	5	ND	2	12	1	2	2	47	1.68	.029	9	50	.42	64	.02	2	1.19	.02	.17	1	2
8949 DR	2	284	2	18	.3	35	25	276	3.63	5	5	ND	1	25	1	2	2	48	2.48	.030	4	32	.38	15	.01	2	1.86	.06	.05	2	1
8950 DR	3	347	5	20	.6	26	26	246	3.33	2	5	ND	1	80	1	2	2	43	2.63	.002	3	45	.29	35	.04	2	3.99	.17	.03	1	1
8951 DR	2	226	5	26	.2	50	19	236	3.70	6	5	ND	2	67	1	2	2	69	2.25	.053	3	58	.71	41	.05	2	4.16	.24	.10	1	1
8952 DR	1	191	3	25	.1	43	18	211	3.97	10	5	ND	2	42	1	2	2	71	1.84	.040	2	64	.82	32	.06	3	3.62	.15	.11	1	1
8953 DR	1	173	7	25	.1	51	15	215	4.34	10	5	ND	2	75	1	7	2	95	2.54	.039	3	82	.94	46	.07	2	5.05	.27	.17	3	1
8954 DR	1	249	2	30	.3	56	17	275	3.89	12	5	ND	1	53	1	2	2	77	1.84	.030	3	74	.89	19	.06	2	3.41	.15	.08	3	2
8955 DR	2	67	4	33	.1	56	13	284	3.76	10	5	ND	2	54	1	2	2	111	1.27	.035	3	100	1.24	61	.09	2	3.15	.16	.26	2	1
8956 DR	1	211	6	28	.4	26	17	445	3.09	13	5	ND	1	19	1	2	2	64	1.71	.016	4	49	.82	25	.01	2	1.46	.02	.15	2	1
8957 DR	2	93	2	33	.1	54	14	372	4.19	7	5	ND	2	31	1	2	2	113	1.08	.034	4	64	1.44	131	.09	2	2.77	.08	.57	1	1
8958 DR	1	57	2	20	.1	61	21	208	5.02	6	5	ND	2	26	1	2	2	125	.47	.034	4	104	1.59	160	.12	2	3.04	.07	.73	1	2
8959 DR	5	324	2	28	.4	60	22	231	5.26	7	5	ND	2	48	1	3	3	119	.75	.034	3	99	1.57	121	.12	3	3.04	.09	.76	3	2
8960 DR	1	100	4	31	.2	54	17	271	4.48	11	5	ND	2	51	1	2	2	120	1.02	.039	4	110	1.58	171	.13	2	3.37	.13	.77	2	1
8961 DR	1	215	5	42	.4	56	19	440	4.88	6	5	ND	2	31	1	2	2	112	1.04	.037	4	95	1.56	133	.10	2	2.82	.06	.54	2	1
8962 DR	1	208	2	28	.4	57	23	266	5.30	11	5	ND	2	29	1	2	2	113	.83	.036	4	104	1.66	98	.12	2	2.83	.07	.83	3	3
8963 DR	1	79	2	21	.1	51	17	176	4.76	5	5	ND	3	29	1	2	2	120	.70	.023	3	95	1.67	165	.15	2	3.13	.09	1.13	2	1
8964 DR	1	98	3	20	.1	58	20	165	4.85	6	5	ND	3	35	1	2	2	111	.51	.032	4	86	1.71	106	.09	2	3.06	.09	.62	3	1
STD C/AU-R	19	63	41	132	6.9	72	31	1034	4.11	42	21	7	39	49	19	17	21	61	.50	.098	41	56	.97	176	.07	39	1.97	.06	.13	13	520

8811-024

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
8965 DR	1	96	4	25	.1	65	20	226	5.61	4	5	ND	2	23	1	2	3	125	.52	.044	4	86	1.92	142	.12	7	3.25	.08	.70	1	4
8966 DR	1	114	5	38	.1	58	22	334	6.89	12	5	ND	2	34	1	7	2	149	.63	.047	4	103	1.91	171	.15	6	3.66	.08	1.02	2	15
8967 DR	1	196	7	48	.1	45	27	390	3.51	9	5	ND	2	30	1	10	2	170	.50	.049	3	96	1.93	190	.15	3	4.32	.07	1.06	1	4
8968 DR	1	287	6	47	.3	64	31	341	7.54	14	5	ND	2	14	1	2	2	134	.43	.041	4	86	1.72	112	.14	6	3.12	.04	.96	1	76
8969 DR	1	178	5	37	.1	57	27	349	6.98	9	5	ND	2	20	1	2	2	143	.68	.033	5	89	1.64	120	.12	4	3.20	.04	.63	2	28
8970 DR	1	114	2	33	.1	43	23	336	6.25	3	5	ND	2	51	1	3	2	120	.93	.032	5	72	1.66	143	.11	3	3.02	.07	.57	1	5
8971 DR	1	137	6	24	.1	39	23	239	5.23	2	5	ND	2	56	1	2	3	79	1.59	.034	6	47	1.33	97	.05	4	2.46	.05	.37	1	39
8972 DR	1	88	4	23	.1	42	16	234	4.63	4	5	ND	2	55	1	3	3	105	.80	.030	4	69	1.59	142	.09	2	2.83	.07	.58	1	15
8973 DR	1	120	4	25	.1	44	20	228	5.12	5	5	ND	1	51	1	2	2	105	.68	.026	3	67	1.65	188	.10	2	2.94	.06	.76	1	31
8974 DR	1	234	5	24	.1	47	19	376	5.27	3	5	ND	1	112	1	2	2	76	2.92	.027	4	55	1.46	92	.04	6	2.57	.04	.34	1	1
8975 DR	1	153	2	29	.1	34	30	238	5.31	7	5	ND	2	117	1	2	2	122	1.52	.030	5	61	1.61	210	.11	4	3.34	.14	.71	1	3
8976 DR	1	222	13	47	.2	38	22	332	5.91	9	5	ND	2	93	1	2	2	152	.97	.022	3	93	1.91	212	.17	7	3.56	.14	.74	1	16
8977 DR	1	284	10	46	.2	40	24	267	8.00	10	5	ND	4	74	1	7	3	217	.87	.031	4	87	2.21	183	.21	6	4.31	.13	1.29	1	21
8978 DR	1	186	3	27	.4	20	10	243	2.90	2	5	ND	1	20	1	2	2	64	.74	.014	2	48	.90	25	.03	2	1.31	.05	.05	1	2
8979 DR	3	169	7	35	.2	23	11	309	3.44	2	5	ND	1	20	1	2	2	75	.59	.014	2	33	1.12	11	.05	2	1.62	.05	.06	1	1
8980 DR	1	65	8	26	.1	39	15	149	5.23	3	5	ND	2	61	1	4	2	178	.96	.019	3	72	1.83	234	.24	3	3.83	.16	1.08	1	1
8981 DR	2	161	3	59	.2	23	8	188	2.72	2	5	ND	1	32	1	2	2	66	.63	.044	2	28	.85	16	.06	2	1.45	.06	.06	1	4
8982 DR	1	238	6	26	.1	21	11	126	3.38	2	5	ND	1	13	1	2	2	60	.34	.010	2	42	.85	20	.05	3	1.24	.03	.12	1	3
8983 DR	4	969	6	72	1.0	29	41	193	7.55	6	5	ND	1	40	1	2	2	73	1.31	.103	3	29	.92	17	.06	2	2.33	.07	.08	1	1
8984 DR	3	231	2	28	.3	22	13	178	3.76	9	5	ND	1	23	1	2	2	73	.50	.014	2	58	.90	32	.08	2	1.59	.07	.13	1	1
8985 DR	1	126	2	24	.1	35	18	150	5.15	2	5	ND	2	53	1	2	2	169	.69	.029	3	56	1.60	211	.21	2	3.14	.11	1.04	1	3
8986 DR	1	179	2	23	.1	35	21	137	5.72	6	5	ND	2	53	1	2	2	173	.73	.020	3	66	1.66	157	.21	4	3.26	.11	.90	1	1
8987 DR	1	258	2	33	.4	41	23	209	5.80	8	5	ND	2	50	1	6	2	156	.58	.020	2	55	1.66	171	.18	3	3.20	.10	1.07	4	1
8988 DR	1	219	2	27	.3	42	24	193	5.51	10	5	ND	1	62	1	4	2	138	1.32	.019	3	60	1.56	158	.15	3	2.87	.09	.97	3	1
8989 DR	1	151	4	31	.2	37	17	218	4.71	2	5	ND	1	49	1	2	3	120	1.40	.011	3	48	1.45	146	.11	2	2.72	.10	.74	1	1
8990 DR	1	139	10	24	.1	39	14	123	4.58	3	5	ND	2	39	1	2	2	137	.96	.016	3	62	1.52	143	.12	2	2.65	.09	.75	2	2
8991 DR	1	153	2	22	.1	39	14	113	4.60	2	5	ND	1	42	1	2	2	147	.60	.014	2	63	1.53	152	.18	3	2.83	.10	.74	1	1
8992 DR	1	149	2	22	.1	41	13	106	5.00	2	5	ND	1	41	1	2	2	165	.52	.010	2	80	1.59	203	.18	4	3.17	.12	1.09	1	1
8993 DR	1	127	6	23	.2	40	19	98	5.04	2	5	ND	2	67	1	5	2	177	.81	.015	3	64	1.37	238	.22	2	3.49	.16	1.31	1	2
8994 DR	1	90	2	24	.2	31	12	109	4.02	3	5	ND	1	48	1	2	3	147	.78	.021	3	69	1.44	166	.21	3	2.86	.13	.81	1	15
8995 DR	1	104	4	27	.1	40	16	149	4.85	4	5	ND	1	41	1	2	2	154	.51	.013	3	61	1.48	179	.18	5	2.90	.10	.83	2	1
8996 DR	1	107	3	30	.1	37	20	144	5.08	6	5	ND	1	71	1	3	2	181	.90	.014	3	81	1.49	263	.21	5	3.75	.19	1.30	1	1
8997 DR	1	151	4	27	.3	39	15	151	4.56	3	5	ND	1	53	1	3	2	153	.81	.015	3	62	1.53	181	.19	2	3.31	.15	.80	1	1
8998 DR	1	249	6	29	.1	45	25	134	5.36	2	5	ND	2	72	1	2	2	151	1.06	.022	2	69	1.44	130	.15	3	3.55	.18	.76	1	6
8999 DR	1	231	2	29	.1	42	21	144	5.62	5	5	ND	1	41	1	2	2	146	.83	.013	3	58	1.48	76	.14	4	2.79	.10	.37	1	1
9000 DR	1	98	3	28	.1	40	18	144	5.10	3	5	ND	1	34	1	2	2	137	1.07	.014	3	63	1.49	98	.14	2	2.70	.08	.46	1	5
STD C/AU-R	18	63	40	132	7.0	73	31	1026	4.28	45	20	8	39	48	20	20	20	61	.50	.096	40	56	.96	175	.07	37	1.96	.06	.13	13	470

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
2851 DR	3	124	5	24	.1	34	15	124	4.83	2	5	ND	1	48	1	2	2	143	1.22	.011	4	58	1.50	125	.16	4	3.08	.12	.54	1	1
2852 DR	1	135	9	27	.3	33	17	139	4.38	2	5	ND	1	55	1	2	2	151	1.05	.016	3	58	1.49	169	.16	2	3.29	.15	.88	1	1
2353 DR	1	81	8	26	.1	28	17	124	4.79	2	5	ND	1	85	1	2	2	190	1.55	.012	4	66	1.60	223	.17	2	4.18	.22	1.06	1	1
2854 DR	1	65	5	26	.1	32	17	127	4.84	2	5	ND	1	66	1	2	2	177	1.26	.015	4	63	1.58	234	.19	2	3.73	.17	1.13	1	1
2855 DR	1	98	7	30	.2	32	14	154	4.42	5	5	ND	1	46	1	2	2	161	1.15	.010	3	62	1.47	144	.18	8	2.99	.13	.71	1	1
2856 DR	3	183	10	27	.1	26	19	205	4.42	2	5	ND	1	33	1	2	2	119	1.76	.013	5	50	1.17	49	.05	2	2.02	.05	.32	1	1
2857 DR	13	724	8	48	.6	87	37	275	9.27	16	5	ND	1	30	1	3	2	329	.67	.025	3	158	1.30	73	.13	3	2.63	.07	.30	1	14
2958 DR	8	319	2	20	.6	21	10	215	3.59	3	5	ND	1	23	1	2	2	78	1.01	.027	2	31	.73	15	.09	7	1.38	.05	.05	1	7
2959 DR	3	630	2	38	.5	78	37	204	7.96	24	5	ND	1	55	1	6	2	274	2.33	.043	5	159	.72	43	.12	2	3.81	.23	.08	1	12
2960 DR	9	429	5	53	.5	90	41	329	9.19	5	5	ND	1	28	1	6	2	337	.77	.030	4	198	1.28	47	.11	2	3.44	.09	.32	2	6
2361 DR	4	299	7	32	.5	35	21	344	3.50	24	5	ND	1	54	1	3	2	53	1.92	.045	4	28	.93	31	.04	7	2.26	.11	.11	1	5
2862 DR	5	586	10	51	1.1	30	15	504	4.27	40	5	ND	1	33	1	2	2	50	1.76	.043	4	19	1.14	36	.02	4	2.28	.06	.12	1	1
2863 DR	25	275	10	43	.5	71	23	317	6.57	15	5	ND	1	36	1	2	2	262	.58	.010	2	151	.84	39	.10	2	2.13	.06	.19	1	1
2864 DR	16	196	8	47	.5	31	18	458	5.67	30	5	ND	1	58	1	7	2	92	2.22	.003	3	57	.67	17	.01	6	2.00	.03	.15	1	4
2865 DR	6	71	2	18	.3	18	7	265	2.33	2	5	ND	2	36	1	2	2	38	1.17	.018	3	20	.72	14	.02	4	1.37	.08	.07	1	1
2566 DR	6	317	9	37	.5	64	24	391	6.73	2	5	ND	1	57	1	3	2	258	2.14	.062	5	180	1.24	47	.10	5	3.56	.15	.19	1	3
2867 DR	1	181	4	28	.4	23	19	332	4.45	65	5	ND	1	35	1	4	2	46	1.46	.047	4	25	.83	30	.03	5	1.27	.07	.08	1	4
2868 DR	1	166	3	22	.2	11	8	311	2.51	3	5	ND	1	41	1	2	2	30	1.59	.051	4	15	.85	11	.03	4	1.36	.07	.05	6	1
2869 DR	5	1479	7	31	1.3	9	17	517	4.33	4	5	ND	1	32	1	2	2	32	2.67	.034	4	14	.91	28	.01	4	1.70	.02	.15	1	6
2870 DR	1	63	5	16	.2	7	8	194	2.35	2	5	ND	1	38	1	2	2	38	.70	.046	3	14	.69	10	.05	2	1.20	.07	.02	1	1
2971 DR	1	154	6	21	.2	8	7	249	2.61	2	5	ND	1	50	1	2	2	38	1.08	.036	3	29	.54	19	.06	2	1.68	.12	.11	1	1
2872 DR	2	285	7	23	.4	3	7	224	2.44	2	5	ND	1	43	1	2	2	36	.91	.040	3	14	.90	11	.06	3	1.46	.09	.04	1	1
STD C/AU-R	18	60	42	132	6.3	67	31	1029	4.18	42	20	8	36	47	19	16	20	59	.50	.092	40	55	.93	179	.06	37	1.95	.05	.13	12	530

Forbidden DDH - NFP 88-1 (DB) 8811-001

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 31 1988 DATE REPORT MAILED: Nov 3/88 SIGNED BY C. Leong ..D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 167/8811-001 File # 88-5568 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8882	1	227	2	25	.2	38	17	146	4.71	6	5	ND	2	46	1	2	2	147	.77	.033	2	61	1.50	176	.21	3	2.83	.13	1.11	1	1
R 8883	1	154	2	24	.3	33	17	141	4.82	2	6	ND	2	40	1	2	2	155	.54	.016	2	78	1.50	283	.22	4	2.86	.12	1.50	1	1
R 8884	1	95	6	23	.2	43	17	182	5.26	6	5	ND	1	33	1	2	2	156	.40	.012	3	72	1.64	408	.20	2	3.22	.10	1.70	1	1
R 8885	1	330	3	23	.5	33	21	185	4.00	5	5	ND	2	32	1	2	2	95	.54	.010	2	77	.92	14	.09	2	1.77	.11	.08	1	1
R 8886	1	218	4	26	.4	35	17	242	3.39	2	5	ND	2	22	1	2	2	106	.43	.010	2	51	1.03	36	.12	2	1.65	.08	.17	2	1
R 8887	1	301	10	33	.5	38	25	257	5.57	5	5	ND	2	37	1	2	2	159	.60	.013	2	83	1.54	397	.23	2	3.00	.11	1.18	1	2
R 8888	1	106	3	20	.1	38	22	159	5.72	13	5	ND	2	51	1	2	2	170	.71	.021	3	76	1.61	351	.26	2	3.64	.14	2.09	2	1
R 8889	1	145	6	22	.1	39	24	181	5.39	4	5	ND	1	57	1	2	2	143	.94	.025	2	81	1.45	296	.25	2	3.42	.14	1.67	1	1
R 8890	1	112	2	24	.1	42	18	176	4.70	4	5	ND	1	45	1	2	2	145	.78	.012	2	61	1.38	224	.24	2	2.89	.15	1.45	1	1
R 8891	1	118	3	32	.3	37	17	294	5.26	4	5	ND	2	57	1	2	2	173	.83	.013	2	90	1.53	262	.30	2	3.15	.15	1.31	1	1
R 8892	1	59	6	28	.1	42	23	193	5.61	3	5	ND	1	36	1	2	2	165	.59	.013	2	70	1.57	239	.27	2	2.96	.12	1.66	1	1
R 8893	1	89	3	23	.1	38	17	167	5.47	4	5	ND	1	58	1	2	2	165	1.16	.016	2	83	1.31	154	.24	2	3.42	.23	1.14	1	1
R 8894	1	147	4	21	.3	39	20	90	6.18	5	5	ND	2	72	1	2	2	126	1.49	.017	4	61	1.03	41	.22	4	3.44	.26	.18	1	1
R 8895	1	190	2	15	.1	36	18	110	6.36	8	5	ND	1	96	1	2	2	77	2.23	.059	4	47	.50	23	.17	2	4.12	.38	.07	1	3
R 8896	1	139	3	39	.3	40	20	459	5.46	2	5	ND	1	50	1	2	2	141	1.61	.018	2	70	1.58	84	.22	2	3.89	.17	.33	1	1
R 8897	1	209	2	26	.4	10	10	223	3.55	8	5	ND	1	58	1	2	2	46	1.03	.037	2	42	1.27	38	.06	3	2.25	.13	.21	1	1
R 8898	2	302	4	20	.2	72	25	175	5.82	3	5	ND	2	68	1	2	2	100	1.45	.086	4	67	1.16	77	.06	2	3.53	.14	.36	1	2
R 8899	2	416	4	34	.6	17	14	205	4.74	11	5	ND	1	43	1	2	2	55	.62	.044	2	55	1.67	50	.09	2	2.50	.11	.32	1	1
R 8900	8	365	8	34	.4	17	15	173	3.83	11	5	ND	1	54	1	2	2	55	.74	.040	2	40	1.66	71	.12	2	2.60	.12	.40	1	1
R 8901	1	530	4	28	.4	17	14	152	3.50	7	5	ND	1	72	1	2	2	51	1.10	.039	2	50	1.44	106	.11	4	2.37	.16	.50	1	3
R 8902	1	299	2	52	.5	19	15	198	3.71	11	5	ND	1	48	1	2	2	54	.73	.042	2	37	1.60	92	.11	2	2.45	.11	.42	1	1
R 8903	2	1854	3	107	1.9	19	24	490	4.55	18	5	ND	1	10	2	2	2	66	.23	.039	6	55	1.43	20	.01	4	2.35	.03	.14	2	4
R 8904	1	527	5	104	1.1	18	17	475	4.86	12	5	ND	1	33	1	2	3	50	1.11	.041	4	37	1.49	25	.01	2	2.64	.06	.15	1	1
R 8905	1	523	8	64	1.4	15	16	595	4.63	20	5	ND	1	35	1	2	2	43	2.50	.043	4	44	1.16	14	.01	4	2.06	.01	.17	1	1
R 8906	2	334	10	136	1.0	19	20	668	5.64	31	5	ND	1	20	1	2	2	43	2.76	.038	5	27	1.26	15	.01	4	2.17	.01	.19	1	1
R 8907	1	1556	8	86	2.4	22	31	446	5.12	17	5	ND	1	29	1	2	2	50	.83	.044	4	36	1.57	28	.01	2	2.61	.05	.20	1	11
R 8908	1	427	2	48	1.0	15	18	374	4.42	13	5	ND	1	49	1	2	2	49	1.35	.041	4	35	1.51	43	.03	3	2.46	.06	.27	1	3
R 8909	3	955	21	102	1.2	18	25	349	4.45	31	5	ND	1	36	1	2	2	45	.95	.038	3	34	1.46	33	.03	2	2.30	.06	.26	1	14
R 8910	1	575	7	41	.7	17	23	217	3.95	8	5	ND	1	49	1	2	2	52	1.16	.039	2	32	1.53	42	.07	4	2.34	.10	.34	1	3
R 8911	2	1501	14	334	3.6	19	27	555	4.17	228	5	ND	1	43	3	7	3	38	2.97	.038	3	22	1.18	18	.01	5	1.44	.04	.23	1	31
R 8912	2	548	71	707	1.4	17	29	426	4.51	122	5	ND	1	36	6	5	4	27	2.38	.039	4	20	.95	21	.01	4	1.23	.04	.23	1	10
R 8913	2	546	11	157	1.0	18	26	424	5.52	86	5	ND	1	47	1	2	3	31	2.52	.036	4	22	1.19	29	.01	3	1.46	.06	.25	1	7
R 8914	7	658	9	40	1.0	19	22	300	3.66	9	5	ND	1	42	1	2	2	51	1.81	.034	3	29	1.27	33	.02	3	2.01	.07	.24	1	14
R 8915	1	675	2	36	1.1	21	22	293	3.46	7	5	ND	1	41	1	2	2	47	2.02	.034	2	26	1.17	21	.01	6	1.58	.05	.16	1	7
R 8916	1	961	2	37	1.4	18	15	259	2.56	7	5	ND	1	43	1	2	5	52	2.00	.033	2	25	1.02	22	.03	6	1.46	.07	.18	1	7
R 8917	1	380	4	31	.5	23	14	478	3.12	56	5	ND	1	50	1	17	2	15	4.63	.060	5	10	.54	10	.01	4	.46	.01	.14	2	1
STD C/AU-R	17	62	43	132	7.2	70	31	1032	4.18	43	21	7	38	49	19	18	23	60	.51	.100	40	57	.93	178	.97	37	2.06	.06	.15	12	520

8811-001

NORANDA EXPLORATION PROJECT 167/8811-001 FILE # 88-5568

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 8518	1	2340	14	130	4.0	24	22	658	4.17	118	5	ND	1	22	1	15	2	10	4.04	.044	4	10	.65	11	.01	5	.33	.01	.15	1	18
R 8932	1	101	22	422	.4	46	11	447	3.22	45	5	ND	2	19	4	4	2	21	2.00	.022	6	17	.25	29	.01	5	.52	.01	.21	1	9
R 8933	2	103	4	36	.2	56	18	488	5.38	5	5	ND	2	19	1	3	2	59	2.06	.037	6	58	.73	33	.03	4	2.39	.02	.20	1	2
R 8934	2	912	10	60	1.2	50	29	513	6.41	5	5	ND	1	49	1	2	2	88	4.14	.039	6	91	.72	16	.02	3	3.62	.07	.12	1	7
R 8935	1	293	7	39	.5	61	21	531	5.19	5	5	ND	2	26	1	3	2	53	2.74	.032	4	52	.65	51	.02	3	2.43	.03	.17	1	5
R 8936	1	429	14	28	.5	51	20	250	5.03	7	5	ND	1	86	1	3	2	81	4.41	.027	2	73	.47	46	.08	2	6.20	.14	.13	3	6
R 8937	2	112	7	25	.1	53	18	332	4.73	6	5	ND	2	76	1	2	2	73	1.90	.033	2	81	.76	40	.08	2	3.88	.12	.16	1	2
R 8938	3	70	6	28	.1	58	16	379	4.60	5	5	ND	2	60	1	2	2	86	1.61	.033	3	87	.98	53	.05	2	3.49	.19	.24	1	1
R 8939	1	96	6	25	.1	70	21	401	5.23	3	5	ND	2	21	1	3	2	70	1.14	.035	4	71	1.17	42	.03	2	2.63	.04	.22	1	2
R 8940	3	87	7	31	.2	55	15	379	4.44	8	5	ND	2	77	1	2	2	93	2.30	.031	3	89	1.04	34	.04	2	3.70	.22	.21	1	1
R 8941	5	58	14	53	.2	53	17	577	5.37	12	5	ND	2	37	1	2	2	84	1.73	.032	4	89	1.05	27	.02	3	2.74	.07	.19	1	6
STD C/AU-R	18	60	42	133	6.9	67	29	1010	3.97	39	20	7	36	47	18	16	22	59	.48	.094	38	58	.81	173	.07	36	1.94	.06	.14	12	490

Forbidden ?. (RMcI)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 13 1988 DATE REPORT MAILED: Oct. 18, 1988 SIGNED BY. B. Chan........D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-040 167 File # 88-5187

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM
R 45676	3	4639	16840	53665	127.8	7	23	493	16.94	13612	5	25	2	23	590	105	331
R 45877	2	99	4	148	.2	5	6	279	3.49	126	5	ND	1	4	1	2	5
R 45878	2	202	150	637	.8	8	5	362	4.22	31	5	ND	1	2	4	2	2
R 45879	1	104	13	131	.4	8	6	650	2.52	128	5	ND	2	27	1	2	2
R 45880	2	152	249	1435	2.5	10	39	451	5.81	18245	5	ND	1	13	14	6	7
STD C/AU-R	18	59	42	130	6.7	67	30	1014	4.21	42	19	7	38	48	18	19	18

SAMPLE#	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 45676	6	1.75	.013	2	2	.14	9	.01	2	.33	.01	.13	3	48000 48g 1.4 oz.
R 45877	14	.17	.039	9	8	.43	17	.01	4	.91	.01	.13	1	72
R 45878	20	.17	.054	3	12	.49	18	.01	3	1.00	.01	.16	1	59
R 45879	26	3.36	.038	4	12	.99	11	.01	2	2.08	.01	.06	1	5
R 45880	17	1.29	.036	3	20	.53	16	.01	2	1.05	.01	.13	1	2940
STD C/AU-R	59	.50	.093	40	53	.96	178	.07	33	2.05	.06	.14	12	530

— Assay required for correct result for Pb, Zn, As > 10,000 ppm
Ag > 35.0 ppm.

FORBIDDEN PLAT. ~~Genesis~~ (DB)

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 13 1988 DATE REPORT MAILED: Oct. 18/1988 SIGNED BY. B. Chan .D.TOYE, C.LEONG, B.CHAN, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA EXPLORATION PROJECT 8810-039 127 File # 88-5186

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
R 48151	14	62040	13	2655	45.5	7	430	239	35.33	144	5	ND	2	1	71	3	69	12	.15	.027	2	7	.14	3	.01	5	.52	.01	.01	1	710
R 48152	1	211	4	145	.1	66	23	971	9.24	8	5	ND	1	21	1	2	2	261	2.63	.069	5	78	2.71	8	.80	4	4.62	.04	.04	1	6
R 48153	1	2016	9	197	.9	59	47	1476	12.42	32	5	ND	1	6	3	6	2	263	.23	.077	9	93	2.07	22	.03	7	5.36	.01	.06	3	62
R 48154	1	229	8	105	.1	58	29	899	7.95	10	5	ND	1	19	1	2	2	211	1.48	.065	6	63	2.34	12	.35	7	4.14	.05	.05	1	17
R 48155	1	989	4	116	.7	4	21	460	3.19	12	5	ND	2	36	2	2	2	53	2.48	.072	7	8	1.02	18	.05	6	1.85	.05	.05	5	7
R 48156	1	24	3	34	.1	14	10	1811	8.21	10	13	ND	3	52	2	2	2	68	13.36	.024	5	18	3.22	5	.01	3	1.54	.01	.03	2	22

Assay required for correct result for Cu > 10,000 ppm
Ag > 35.0 ppm.

APPENDIX IV

STATEMENT OF COSTS

NORANDA EXPLORATION COMPANY, LIMITED

STATEMENT OF COSTS

PROJECT: FORBIDDEN PLATEAU — DATE: December, 1988

TYPE OF REPORT:

a) Wages:

No. of Days	220	
Rate per Day	$ 189.28	
Dates From:	June 1, 1988 to November 17, 1988	
Total Wages	220x $ 189.28	$41,640.69

b) Food & Accomodations:

No. of Days	220	
Rate per Day	$ 25.50	
Dates From:	June 1, 1988 to November 17, 1988	
Total Costs	220x $ 25.50	$5,610.00

c) Transportation: Truck, Gas, Oil, Airfare, Ferries

No. of Days	105	
Rate per Day	$ 56.79	
Dates From:	June 1, 1988 to November 21, 1988	
Total Costs	105x $ 56.79	$5,963.34

d) Instrument Rental: Equipment

Type of Instrument	Geophysical	
No. of Days	10	
Rate per Day	$ 105.70	
Dates From:	July 25, 1988 to August 3, 1988	
Total Costs	10 x $ 105.70	$1,056.97

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

e)	Analysis: (See attached schedule)	$ 10,034.30
f)	Cost of preparation of Report	
	Author:	$ 500.00
	Drafting:	$ 500.00
	Typing:	$ 200.00
g)	Other:	
	Contractor	$ 95,017.34
	Supplies (Core shack, tools, bags, etc.)	$ 3,616.61
	TOTAL COST:	$164,139.25

h) Unit Costs for Geology

No. of Days: 117

Unit Cost: $22,085.60/117 days

Total Cost: $188.77/day x 117 days $ 22,085.60

Unit Costs for Geochemistry

No. of Units: 704 Assays

Unit Costs: $15,442.75/704 Assays

Total Cost: $21.94/assay x 704 assays $ 15,442.75

Unit Costs for Geophysics (includes Linecutting)

No. of Days: 10

No. of Units: 6.28 Km

Unit Costs: $2,766.06 / Km

Total Cost: 6.28 Km x $2,766.06 $ 17,370.86

Unit Cost for Drilling (includes road and pad prep. & core logging)

No. of Units: 879.30 metres

Unit Costs: $105,553.10 / 879.30 metres

Total Cost: $120.04/m x 879.30 metres $105,553.10

Unit Cost for Trenching

No. of Units: 98 metres

No. of Days: 3

Unit Cost: $3686.94 / 98 metres

Total Cost: $37.62 x 98 metres $ 3,686.94

TOTAL COST: $164,139.25

NORANDA EXPLORATION COMPANY, LIMITED

(WESTERN DIVISION)

DETAILS OF ANALYSES COSTS

PROJECT: FORBIDDEN PLATEAU

	ELEMENT	NO. OF DETERMINATIONS	COST PER DETERMINATION	TOTAL COSTS
*	ICP—Core Split	562	6.25	$3,512.50
	Geochem for Au	562	4.50	$2,529.00
	Sample Prep	562	3.00	$1,686.00
	Data Entry	562	0.95	$ 533.90
*	ICP-Soil, Silt & Pan Concentrate	142	6.25	$ 887.50
	Geochem for Au	142	4.50	$ 639.00
	Plotting	704	0.35	$ 246.40
			TOTAL COST:	$10,034.30

* ICP 30 ELEMENTS

Mo, Cu. Pb, Zn, Ag, Ni, Co, Mn, Fe, As, U, Th, Sr, Cd, Sb, Bi, V, Ca, P, La, Cr, Mg, B, Ti, B, Al, Na, K, W, Au.

SUMMARY COS. ᐳORT
FORBIDDEN PLATEAU PROJECT

YEAR TO DATE 1988

WORK TYPE	OFFICE FIELD/LABOUR	SUPPLIES & LODGING	MISC. ITEMS	EQUIPMENT REPAIR & RENTAL	TRANSPORTATION AIR/GROUND	ASSAYING	CONTRACTS	YEAR TO DATE TOTALS
LINE CUTTING	$ 2,931.05	$ 1,469.20	$ 185.19	$ 42.33	$ 513.29			$ 5,141.06
I.P.	2,764.47	360.13	116.41	400.35	225.94		$ 8,362.50	12,229.80
GEOLOGY	25,024.93	5,508.09	1,309.54	339.55	1,147.70			33,329.81
TRENCHING	413.02						3,273.92	3,686.94
SILTS			172.30			$ 403.60		575.90
SOILS	1,996.15	1,031.77	2,184.37	257.25	871.23	5,014.56		11,355.33
ROCK GEOCHEM	368.52		31.70			882.40		1,282.62
PAN CONCENTRATES			15.60			12.20		27.80
DRILLING							70,215.43	70,215.43
CORE SPLIT ASSAYING	2,801.73					8,256.70		11,058.43
ENGINEERING (LABOUR)	15,081.35							15,081.35
SERVICES	609.41	2,496.58	325.13	17.49	3,705.22		13,165.49	20,319.32
SUB TOTAL	$ 51,990.69	$ 10,865.77	$ 4,340.24	$ 1,056.97	$ 6,463.38	$ 14,596.46	$95,017.34	$184,303.85
OPTION PAYMENT								30,000.00
CLAIM HOLDING COST								3,420.00
TOTAL:								$217,723.85

APPENDIX V

CROWN FOREST LICENCE AGREEMENT

CrownForest

5 July 1988

File: General 129-I

Noranda Exploration Company, Limited (No Personal Liability)
1050 Davie Street
Vancouver, B.C. V6E 1M5

(the "Licensee")

Attention: Regional Manager

Dear Sirs:

RE: Block 13 TFL 47 Comox Land District;
Piggot Creek and Brown's River

Crown Forest Industries Limited (the "Licensor") hereby grants the Licensee a non-exclusive licence to enter and occupy those lands marked in yellow on Schedule "B" hereto (the "Lands") for the purpose of mineral exploration (the "Work") upon the following terms and conditions:

1. Subject to Paragraph 16 of Schedule "A" hereto, this Licence shall be for a term commencing on 1 January 1988 and ending on 31 December 1988.

2. The Licensee will pay upon execution of this License, and in addition to any other monies payable by the Licensee hereunder:

   (a) $300.00 to the Licensor for the rights granted the Licensee hereunder and as a document processing fee; and

   (b) $5,000.00 to the Gold Commissioner pursuant to Section 9 of the Mineral Act, which, at the termination of this Licence, will be applied against any damages suffered by the Licensor as a result of the Licensee's use and occupation of the Lands, and the remainder, if any, will be returned to the Licensee.

3. The Licensor's authorized representative for the purpose of this Licence is Mr. R.D. (Don) Jones, Operations Engineer (hereinafter referred to as the "Authorized Representative").

4. The Licensee shall not conduct or perform any:

   (a) clearing, trenching, scraping or other activities causing soil disturbance on the Lands;

   (b) ditching, culverting, clearing or other road upgrading activities on the Roads; or

A0D2:H:2

(c) repairs, alterations or changes to any bridges, culverts or other structures,

without the prior approval of the Authorized Representative which approval may be granted in the sole discretion of the Authorized Representative. For the purposes of this provision the Licensor may require a site inspection and a review of the Licensee's plans.

5. The Licensee shall notify the Licensor prior to conducting any blasting on the Lands. The Licensor may restrict or regulate blasting by the Licensee.

6. The Licensee shall conduct its blasting operations in compliance with all federal, provincial and municipal laws. Without limiting the generality of the foregoing, the Licensee shall comply with the Transport of Dangerous Goods Act of B.C. and the Workers Compensation Act of B.C.

7. Where the Licensee's activities may pose a hazard to other users of the Lands or the Roads, the Licensee shall post warning signs.

8. Schedules "A" and "B" attached hereto form a part of this Licence.

Kindly indicate your agreement with the terms and conditions contained in this Licence in the space designated on the enclosed copy hereof and return the copy to us together with your cheque in the amount of $300.00 and your confirmation of the deposit required by Paragraph 2(b) above.

Yours very truly,

CROWN FOREST INDUSTRIES LIMITED

GERRY YOUNG

(Title) Manager - Johnstone Strait

The Common Seal of NORANDA EXPLORATION COMPANY, LIMITED was hereunto affixed in the presence of:)

c/s

A002:H:2

SCHEDULE "A"

GENERAL TERMS AND CONDITIONS

CERTIFICATE AND WORK

1. The Licensee will, before commencing work or exercising any of its rights hereunder (the "Work"), deliver to the Licensor a true copy of its Free Miner Certificate issued under the Mineral Act, R.S.B.C. 1979, c. 259, and any renewals or replacements thereof, which the Licensee will maintain as valid and subsisting throughout the terms of this Licence.

   Work shall mean any mineral exploration activity, but shall not include activity which may result in damage to forest soils, immature trees, standing timber or felled and bucked timber unless approval has been granted under Paragraph 6(b) hereto.

LOCATION OF OPERATIONS

2. The Licensee's Work and operations hereunder shall be limited to the Lands outlined in yellow on the map attached as Schedule "B" hereto and shall be conducted in a manner which does not interfere with the Licensor's operations.

ROAD USE

3. The Licensee may use the Licensor's roads located on or providing access to the Lands (the "Roads"), subject to the Licensor's right, in its sole discretion, to prohibit the Licensee from using particular Roads from time to time. The Licensee will keep the Licensor informed of its use of the Roads, will use the Roads in a manner which does not interfere with the Licensor's use of the Roads, and will advise the Licensor at least two days in advance of any equipment movement on the Roads other than passenger vehicles.

ROAD CONSTRUCTION AND MAINTENANCE

4. The Licensee will not alter, modify, repair, maintain, extend, or construct Roads on the Lands without the prior written approval of the Licensor and, having obtained such approval, the Licensee will carry out such work at its expense and to the standards established by the Licensor.

PRIOR APPROVAL

5. The Licensee will not commence mechanical work on or clear any site without the prior approval of the Licensor's authorized representative which approval will not be unreasonably withheld or delayed.

WORK SITES

6. The Licensee will:

(a) mark all Work sites in the field;

(b) have all Work sites reviewed by the Licensor's Authorized Representative prior to commencing Work;

(c) upon completion of the Work, leave the Work sites in a safe and environmentally sound condition, provided however the Licensee shall not be liable to correct or repair any condition not attributable to its activities; and

(d) where the Work might result in soil disturbance or damage to immature, mature or felled timber, obtain the approval of the Licensor's Authorized Representative and agree with the Licensor on the amount of compensation to be paid by the Licensee for such disturbance or damage, all before the commencement of work.

SITE REHABILITATION

7. Should the Licensee cause damage to soils or vegetation, the Licensee will, at its expense, carefully pile in an orderly manner consistent with standards of the Licensor all slash and forest debris which results from the Work and the Licensee's occupation of the Lands. Prior to the end of the Licensee's occupation, but at times specified by the Licensor, will burn and dispose of all such slash and debris and will restore and reclaim those areas of timberland on the Lands disturbed by the Licensee's occupation so that they are placed in such states of topography and fertility as in the reasonable opinion of the Licensor are necessary for good timber growing purposes, and will replant those areas with seedling stock approved by the Licensor.

RIGHTS RESTRICTIONS

8. THe Licensor may at any time and from time to time prohibit or restrict the exercise of any of the rights hereby granted to the Licensee for such period or periods of time as the Licensor may in its absolute discretion determine should the Licensor consider such prohibition or restriction justified on account of hazardous weather conditions or unreasonable interferences with the Licensor's operations and the Licensee will at all times observe and conform with such prohibitions or restrictions.

COMPLIANCE

9. The Licensee will comply with the provisions of all laws and regulations passed in pursuance thereof, of Canada, of British Columbia and of the municipal and regional authorities having jurisdiction over the Lands and the Work, and the Licensee hereby acknowledges that the provisions of this Licence are in addition to such laws and regulations and, without limiting the generality of the foregoing, the Licensee will obtain such permission as may be required under the Forest Act of British Columbia and from other landholders to conduct the Work and use the roads contemplated to be used in connection with the

Licensee's Work hereunder and the Licensee will comply with the requirements of the Licensor and with the requirements of all persons acting under the Minister of Forests and Lands in respect to fires, including slash disposal.

RISKS AND RELEASE

10. The Licensee will and does hereby accept all risks associated with its entry to and occupation of the Lands, and of its use of all of the Licensor's roads leading to the Lands, as its own risks and, without limiting the generality of anything contained herein, the Licensee for itself and its directors, officers, employees, agents, contractors, sub-contractors, and invitees and for any persons acting in concert with it hereby releases and discharges the Licensor and its directors, officers, employees, agents, contractors, sub-contractors, and invitees (collectively the "Licensor's Representatives") from any and all responsibility and liability, whether arising in tort, contract or otherwise, in respect of all loss, damage, personal and property injury and death arising out of or attributable to the state of the Lands, to the design, layout or condition of the Licensor's roads and trails thereon and the other lands upon which the Licensor's roads are situate on Vancouver Island, or the Licensor's or the Licensor's Representatives' conduct on such lands or roads whether or not such loss, damage, personal or property injury, or death is attributable to negligence of the Licensor or the Licensor's Representatives save and except the negligent operation of a motor vehicle by the Licensor or the Licensor's Representatives.

INDEMNITY

11. The Licensee will indemnify and save harmless the Licensor from and against all claims, losses, costs, damages, demands, actions, and causes of action made against the Licensor, against the Licensee or through the Licensee against the Licensor, or suffered by the Licensor in respect of the Licensee's occupation of the Lands and use of all the Licensor's roads or trails on the Lands or leading to the Lands;

and the Licensee will immediately cause to be removed all liens and other charges which purport to charge the Lands in consequence of the Licensee's activities hereunder.

INSURANCE

12. The Licensee will obtain and maintain throughout the term hereof public liability insurance and property damage insurance in the minimum amount of $2,000,000.00 with respect to death or injuries to persons or property caused by or arising out of or attributable to the exercise of the rights granted hereunder, proof of which insurance shall be delivered to the Licensor upon request.

COMPENSATION

13. In addition to all other payments by or obligations of the Licensee hereunder, the Licensee may be required to pay to the Licensor compensation for the value of any timber taken from the Lands, the amounts in respect of any interruption to timber growing cycles, an amount for injurious affection to adjacent lands, and generally for damage to roads, timber, and lands resulting from the Licensee's activities.

TAXES

14. In addition to any compensation that may be payable in respect of those matters described in Paragraph 13 and in addition to any other monies payable hereunder, the Licensee shall pay to the Licensor an amount equal to any land use taxes imposed on the Licensor as a result of the Licensee's Work and improvements constructed on the Lands by the Licensee.

CLEAN UP

15. Immediately upon the termination of this Licence, the Licensee will remove all equipment, structures and improvements placed on the Lands

by it and leave the Lands and Roads in a condition reasonably consistent with that in which the Licensee found them.

DEFAULT

16. If the Licensee is in default hereunder, the Licensor may deliver to the Licensee, either personally or by registered mail, at the above-mentioned address, notice of such default, which notice will be deemed to have been received when delivered, if delivered, and five days after mailing, if mailed, and if the default is not rectified within five days of receipt of such notice, the Licensor may immediately terminate this Licence by giving further notice to the Licensee in the same manner as above.

NO WAIVER OF RIGHTS

17. Nothing contained herein is or should be construed as a waiver by either party of any rights which that party has or which may accrue to that party at law, in equity, or by statute.

ASSIGNMENT

18. This Licence may not be assigned by the Licensee.

SUCCESSORS AND ASSIGNS

19. This Licence is binding upon and shall enure to the benefit of the successors of the Licensee and Licensor and the assigns of the Licensor.

PARAGRAPH HEADINGS

20. The paragraph headings in this Licence are for ease of reference only and are not to be used in the construction of this Licence.

NOTICE

21. Any notice required hereunder will be deemed to have been properly and sufficiently given if delivered in person or sent by prepaid registered mail to the address of the parties first above written and shall be deemed to have been received when delivered, if delivered in person, or 5 days after date of mailing if mailed.

APPENDIX VI

ANALYTICAL TECHNIQUES

ANALYTICAL METHOD DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applied to analyses geological materials by the Noranda Geochemical Laboratory at Vancouver.

Preparation of Samples:

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

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

Analysis of Samples:

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.4 g and chemical quantities are doubled relative to the above noted method for digestion.

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

Elements Requiring Specific Decomposition Method:

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

Arsenic - As: 0.2 - 0.3 g sample is digested with 1.5 ml of perchloric 70% and 0.5 ml of conc. nitric acid. A Varian AA-475 equipped with an As-EDL is used to measure arsenic content in the digest.

Barium - Ba: 0.1 g sample digested overnight with conc. perchloric, nitric and hydrofluoric acid; Potassium chloride added to prevent ionization. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 - 0.3 g is digested with 2.0 ml of perchloric 70% and 1.0 ml of conc. nitric acid. Bismuth is determined directly from the digest with an AA-475 complete with EDL.

Gold - Au: 10.0 g sample is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with MIBK from the aqueous solution. AA is used to determine Au.

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

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

Uranium - U: An aliquot from a perchloric-nitric decomposition, usually from the multi-element digestion, is buffered. The aqueous solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

N.B.: If additional elemental determinations are required on panned samples, state this at the time of sample submission. Requests after gold determinations would be futile.

LOWEST VALUES REPORTED IN PPM:

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

EJvL/ie

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

GEOCHEMICAL LABORATORY METHODOLOGY & PRICES - 1989

Sample Preparation

S80	Soils or silts up to 2 lbs drying at 60 deg.C and sieving 30 gms -80 mesh (other size on request)	$ .85
SJ	Saving part or all reject	.45
S20R	Soils or silts - drying at 60 deg.C and sieving -20 mesh & pulverizing (other mesh size on request.)	2.00
SP	Soils or silts - drying at 60 deg.C pulverizing (approx . 100 gms)	1.50
RP100	Rocks or cores - crushing to -3/16" up to 10 lbs, then pulverizing 1/2 lb to -100 mesh (98%)	3.00
Cr	Surcharge crushing over 10 lbs	.25/lb
2PX	Surcharge for pulverizing over 1/2 lb	1.00/lb
RPS100	Same as RP100 except sieving to -100 mesh and saving +100 mesh (200gms)	3.75
RPS100 1/2	Same as above except pulverizing 1/2 the reject - additional	1.00/lb
RPS100 A	Same as above except pulverizing all the reject - additional	1.00/lb
OP	Compositing pulps - each pulp Mixing & pulverizing composite.	.50 1.50
HM	Heavy mineral separation - S.G.2.96 + wash -20 mesh	12.00
V1	Drying vegetation and pulverizing 50 gms to -80 mesh	3.00
V2	Ashing up to 1 lb wet vegetation at 475 deg.C	2.00
H1	Special Handling	17.00/hr

Sample Storage

Rejects - Approx. 2 lbs of rock or total core are stored for three months and discarded unless claimed.

Pulps are retained for one year and discarded unless claimed.

Additional storage - for 3 years $10.00/1.2 cu.ft. box
or 15 cents/sample pulp
or 5 cents/sample soil

Supplies

Soil Envelopes	4" x 6"	$125.00/thousand
Soil Envelopes	4" x 6" with gusset	$140.00/thousand Plastic
Bags	7" x 13" 4 ml	$10.00/hundred
Plastic Bags	12" x 20" 6 ml	$ 20.00/hundred
Ties		$ 2.00/hundred
Assay Tags		N/C
10% HCl		$ 5.00/liter
Dropping bottles		$ 1.00/each
Zn Test	A & B	$ 12.00/each liter

Conversion Factors

1 Troy oz = 31.10 g
1 oz/ton = 34.3 ppm = 34.3 g/tonne = 34,300 ppb
1 % = 10,000 ppm

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

GEOCHEMICAL ANALYSES - Rocks and Soils

Group 1 Digestion

.50 gram sample is digested with 3 mls 3-1-2 HCl-HNO3-H2O at 95 deg.C for one hour and is diluted to 10 ml with water. This leach is near total for base metals, partial for rock forming elements and very slight for refractory elements. Solubility limits Ag, Pb, Sb, Bi, W for high grade samples.

Group 1A - Analysis by Atomic Absorption.

Element	Detection	Element	Detection	Element	Detection
Antimony*	2 ppm	Copper	1 ppm	Molybdenum	1 ppm
Bismuth*	2 ppm	Iron	0.01 %	Nickel	1 ppm
Cadmium*	0.1 ppm	Lead	2 ppm	Silver	0.1 ppm
Chromium	1 ppm	Lithium	2 ppm	Vanadium	2 ppm
Cobalt	1 ppm	Manganese	5 ppm	Zinc	2 ppm

First Element $2.25 Subsequent Element $1.00

Group 1B - Hydride generation of volatile elements and analysis by ICP.

This technique is unsuitable for sample grading over .5% Ni or Cu. Cu Massive Sulphide.

Element	Detection
Arsenic	0.1 ppm
Antimony	0.1 ppm
Bismuth	0.1 ppm
Germanium	0.1 ppm
Selenium	0.1 ppm
Tellurium	0.1 ppm

First Element $4.75 All Elements $5.50

Group 1C - Hg

Detection limit - 5 ppb Price $2.50

Hg in the solutions are determined by cold vapour AA using a F & J scientific Hg assembly. The aliquots of the extract are added to a stannous chloride/hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

Group 1D - ICP Analysis

Element	Detection
Ag	0.1 ppm
Cd,Co,Cr,Cu,Mn,Mo,Ni,Sr,Zn	1 ppm
As,Au,B,Ba,Bi,La,Pb,Sb,Th,V,W	2 ppm
U	5 ppm
Al,Ca,Fe,K,Mg,Na,P,Ti	0.01 %

Any	2 elements	$3.25
	5 elements	4.50
	10 elements	5.50
All	30 elements	6.25

Group 1E - Analysis by ICP/MS

Element	Detection
Ga,Ge	1 ppm
Au,Bi,Cd,Hg,In,Ir,Os,Re,Rh,Sb,Te,Th,Tl,U	0.1 ppm

All Elements 15.00 (minimum 20 samples per batch or $15.00 surcharge)

Hydro Geochemical Analysis

Natural water for mineral exploration

26 element ICP - Mo,Cu,Pb,Zn,Ag,Co,Ni,Mn,Fe,As,Sr,Cd,V,Ca,P, Li,Cr,Mg,Ti,B,Al,Na,K,Ce,Be,Si $8.00

F by Specific Ion Electrode	- detection	20 ppb	$3.75
U by UA3	- detection	.01 ppb	5.00
pH		.1 pH	1.50
Au	- detection	.001 ppb	4.00

* Minimum 20 samples or $5.00 surcharge for ICP or AA and $15.00 surcharge for ICP/MS. All prices are in Canadian Dollars

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

Group 2 - Geochemical Analysis by Specific Extraction and Instrumental Techniques

Element	Method	Detection	Price
Barium	0.100 gram samples are fused with .6 gm LiBO2 dissolved in 50 mls 5% HNO3 and analysed by ICP. (other whole rock elements are also determined)	10 ppm	$4.00
Boron	.5 g/Na2O2 fustion - 50ml in 20% HCl	2 ppm	4.00
Carbon	LECO (total as C or CO2)	.01 %	5.75
Carbon+Sulfur	Both by LECO	.01 %	6.50
Carbon (Graphite)	HCl leach before LECO	.01 %	8.00
Chromium	0.50 gram samples are fused with 1 gm Na2O2 dissolved in 50 ml 20% HCl, analysed ICP.	5 ppm	4.00
Fluorine	0.25 gram samples are fused with NaOH; leached solution is adjusted for pH and analysed by specific ion electrode.	10 ppm	4.50
Sulphur	LECO (Total as S)	.01 %	5.50
Sulphur insoluble	LECO (After 5% HCl leach)	.01 %	8.00
Tin	1.00 gram samples are fused with NH4I. The sublimed Iodine is leached with 5 ml 10% HCl, and analysed by Atomic Absorption.	1 ppm	4.00
Tl	.50 gram digested with 50% HNO3 - Dilute to 10 ml - graphite AA	.1 ppm	4.00
Tungsten	.50 gram samples are fused with Na2O2 dissolved in 20 ml H2O, analysed by ICP.	1 ppm	4.00

Group 3 - **Geochemical Noble Metals**

Element	Method	Detection	Price
Au*	10.0 gram samples are ignited at 600 deg.C, digested with hot aqua regia, extracted by MIBK, analysed by graphite furnace AA.	1 ppb	$ 4.50
Au** Pd,Pt,Rh	10.0 gram samples are fused with a Ag inquart with fire assay fluxes. After cupulation, the dore bead is dissolved and analysed by AA or ICP/MS.	1 ppb 2 ppb	6.00 - first element 2.50 - per additional 10.00 - for All 4

Larger samples - 20 gms add $1.50
30 gms add $2.50

Group 4A - **Geochemical Whole Rock Assay**

0.200 gram samples are fused with LiBO2 and are dissolved in 100 mls 5% HNO3.

SiO2, Al2O3, Fe2O3, CaO, MgO, Na2O, K2O, MnO, TiO2, P2O5, Cr2O5, LOI + Ba by ICP.

Price: $3.75 first metal $1.00 each additional $9.00 for All.

Group 4B - **Trace elements**

Element	Detection	Analysis	Price
Co,Cu,Ni,Zn,Sr	10 ppm	ICP	$3.75 first element or
Ce,Nb,Ta,Y,Zr	20 ppm	ICP	$1.00 additional to 4A
			$6.00 for All.

Group 4C - analysis by ICP/MS.

Be, Rb, Y, Zr, Nb, Sn, Cs, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, Hf, Ta, W, Th, U

Detection: 1 to 5 ppm Price : $20.00 for All.

- Minimum 20 samples or $5.00 surcharge for ICP or AA and $15.00 surcharge for ICP/MS. All prices are in Canadian Dollars

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

Regular Assay

Aluminum	(Al)	$ 7.00	Moisture	(H2O)	$ 5.00
Antimony	(Sb)	7.00	Molybdenum	(Mo)	7.00
Arsenic	(As)	7.00	Molybdenum Sulfide	(MoS2)	9.00
Barium	(Ba)	7.00	Niobium	(Nb)	10.00
Bismuth	(Bi)	7.00	Nickel	(Ni)	7.00
Boron	(B)	7.00	Nickel (Non-sulfide)		9.00
Cadmium	(Cd)	7.00	Palladium	(Pd)	10.00
Calcium	(Ca)	7.00	Phosphorus	(P)	7.00
Carbon (Total)	(C)	9.00	Platinum	(Pt)	10.00
Carbon (Graphitic)*		10.00	Potassium	(K)	7.00
Carbon plus Sulfur (Total)*		11.00	Rhodium	(Rh)	10.00
Cerium	(Ce)	10.00	Rubidium	(Rb)	7.00
Chromium	(Cr)	7.00	Selenium	(Se)	10.00
Cesium	(Cs)	10.00	Silica	(SiO2)	7.00
Cobalt	(Co)	7.00	Silver	(Ag)	7.00
Copper	(Cu)	7.00	Silver (Fire Assay)		8.50
Copper (non-sulfide)*		8.00	Sodium	(Na)	7.00
Europium	(Eu)	20.00	Specific Gravity*	(SG)	7.00
Fluorine	(F)	7.00	Strontium	(Sr)	7.00
Gallium	(Ga)	7.00	Sulfur (Total)*	(S)	9.00
Germanium	(Ge)	7.00	Sulfur (Sulfate)	(S)	10.00
Gold	(Au)	7.00	Tantalum	(Ta)	7.00
Gold (Fire Assay)		8.50	Tellurium	(Te)	10.00
Gold plus Silver (Fire Assay)		12.00	Thallium	(Tl)	10.00
Indium	(In)	7.00	Thorium*	(Th)	7.00
Iron (Total)	(Fe)	7.00	Tin	(Sn)	7.00
Iron (Ferrous)*		10.00	Titanium	(Ti)	7.00
Lanthanum	(La)	7.00	Tungsten	(W)	7.00
Lithium	(Li)	7.00	Uranium	(U)	7.00
Lead	(Pb)	7.00	Vanadium	(V)	7.00
Loss on Ignition	(LOI)	2.00	Yttrium	(Y)	7.00
Magnesium	(Mg)	7.00	Zinc	(Zn)	7.00
Manganese	(Mn)	7.00	Zirconium*	(Zr)	7.00
Mercury*	(Hg)	7.00			

* Minimum 5 samples per batch

Other elements by Mass Spec. on request.

Multi-Element Assay Price

Arsenic, Antimony, Bismuth, Cadmium, Cobalt, Copper, Gold, Iron, Lead, Manganese, Molybdenum, Nickel, Silver, Thorium, Uranium, Zinc.

Price : First element $7.00 Each Additional $3.00 All 16 elements $22.00

Whole Rock Assay Prices

SiO2, Al2O3, Fe2O3, CaO, MgO, Na2O, K2O, MnO, TiO2, P2O5, Cr2O3, LOI.

Price : First oxide $7.00 Each Additional $3.50 All 12 $9.00

Volume Discounts Available.

Special Fire Assay Prices

Gold (1/2 A/T)	$ 8.50
Gold + Silver (1/2 A/T)	$12.00
Gold (1 A/T)	$10.00
Gold - native + 100 mesh	$ 6.00
Gold, Silver, Platinum, Palladium, Rhodium (1/2 A/T)	$22.00
Placer conc. for total precious metal or Gold + return of bead	$15.00

APPENDIX VII

ROCK SAMPLE DESCRIPTIONS

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92 F/11

PROPERTY FORBIDDEN PLATEAU - RAINBOW SHOWING

DATE 10 Oct 88

LAB REPORT # 8810 - 040

ROCK SAMPLE REPORT

PROJECT 167

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH (m)	G☐ A☐ Cu (ppm)	G☐ A☐ Mo (ppm)	G☐ A☐ Zn (ppm)	G☐ A☐ Pb (ppm)	G☐ A☐ Ag (ppm)	G☐ A☐ As (ppm)	G☐ A☐ Au (ppb)	SAMPLED BY
R45876	Loc E. of Divers Lake at base of gulley & cliffs above talus. - 5 cm thick horizontal vein; 30% qtz, 15% py, 5% ga, 5% sp, 1-3% Tetrahedrite?? in diorite sample along 2m of vein	30	chip	0.05	4639	3	53,665	16,840	127.8	13,612	48,000	R. McIntosh
R45877	Barren wall rx up to 0.5m above R45876. In diorite along 2m	-	chip	0.5	99	2	148	4	.2	126	72	R. McIntosh
R45878	Barren wall rx up to 0.5m blow R45876. In diorite along 2m.	-	chip	0.5	202	2	637	150	.8	31	59	R. McIntosh
R45879	In gulley 200 vert ft. above R45876 clay fault gouge in diorite	-	chip	0.3	104	1	131	13	.4	128	6	R. McIntosh
R45880	In gulley 30 vert ft. above R45876 Diorite, w/ min pod 10x30cm 10% py, 5% ga?, + vuggy qtz + weathered tet or arseno. Heavily weathered. Grab of min pod. (Very high graded).		grab	-	152	2	1435	249	2.5	18,245	2940	R. McIntosh

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92 F/11

PROPERTY FORBIDDEN PLATEAU (ANDERSON SHOWING)

DATE 10 Oct 88

LAB REPORT # 8810-039

ROCK SAMPLE REPORT

PROJECT 167

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH (m)	G☐ A☐ Cu (ppm)	G☐ A☐ Mo (ppm)	G☐ A☐ Zn (ppm)	G☐ A☐ Pb (ppm)	G☐ A☐ Ag (ppm)	G☐ A☐ As (ppm)	G☐ A☐ Au (ppm)	SAMPLED BY
R48151	Anderson showing. Mass sulfides 30% po, 20% cp, in silic mtx. Host rx: Karmutsen basalt.	50	chip	2	62,040	14	2655	13	45.5	144	710	R. McIntosh
R48152	Wall rx of basalt above R48151. Leached & silic.	-	comp grab	1	211	1	145	4	.1	8	6	R. McI
R48153	Fault zone to N of R48151 M.S. leached clays & shattered rx		chip	1	2016	1	197	9	.9	32	62	R. McI
R48154	Basalt to N (15m) of R48151	-	grab	-	299	1	105	8	.1	10	17	R. McI
R48155	Siliceous (diorite?) dyke in basalt w/ trace py, po, m gr dis.	-1	grab	-	989	1	116	4	.7	12	7	R. McI

G = GEOCHEM A = ASSAY

NORANDA EXPLORATION COMPANY, LIMITED

N.T.S. 92 F/11

PROPERTY FORBIDDEN PLATEAU (ANDERSON SHOWING)

DATE 14 Oct 88

LAB REPORT #8811-017

ROCK SAMPLE REPORT

PROJECT 167

SAMPLE NO.	LOCATION & DESCRIPTION	% SULPHIDES	TYPE	WIDTH (m)	G☐ A☐ Cu (ppm)	G☐ A☐ Mo (ppm)	G☐ A☐ Zn (ppm)	G☐ A☐ Pb (ppm)	G☐ A☐ Ag (ppm)	G☐ A☐ Au (ppb)	G☐ A☐	SAMPLED BY
R48157	Anderson Showing #1. Pod of massive sulfide 3m long x 0.75m thick max	MS	Chip Po Cpy (Py)	3	47000	10	2700	2	35.0	470		D.R.B.
R48158	Originally basalt, highly sheared & altered to clays	None Visible	Chip	6	470	2	100	2	5.0	120		D.R.B.
R48159	Anderson Showing #2. Pod of massive sulfide 3m long x 0.6m thick max	MS	Chip Py Cpy Po	3	1800	2	82	1	1.6	50		D.R.B.
R48160	Wallrock above Pod #2. Silicified intermediate to mafic volcanic	None Visible	Chip	3	300	2	110	1	0.4	10		D.R.B.

G = GEOCHEM A = ASSAY

APPENDIX VIII

STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

****

I, Lyndon Bradish of Vancouver, Province of British Columbia, do hereby certify that:

1. I am a Geophysicist residing at 1826 Trutch Street, Vancouver, British Columbia.

2. I am a graduate of the University of British Columbia with a B.Sc. (Geophysics).

3. I am a member in good standing of the Society of Exploration Geophysicists, Canadian Institute of Mining and the Prospector's and Developer's Association.

4. I presently hold the position of Division Geophysicist with Noranda Exploration Company, Limited and bave been in their employ since 1973.

L. Bradish

STATEMENT OF QUALIFICATIONS

****

I, Dennis R. Bull of the Municipality of Richmond, Province of British Columbia, do hereby certify that:

- I am a Geologist residing at 161, 10991 Mortfield Road, Richmond, B.C.

- I graduated from the University of Alberta in 1986 with a BSc (Honours) degree in Geology.

- I have worked in Mineral Exploration since 1974 and have practiced my profession as a Geologist since May, 1987.

- I am presently a Geologist with Noranda Exploration Company, Limited.

Dennis R. Bull

AUTHORS QUALIFICATIONS

****

I, Terence J. McIntyre of 894 Pacific Drive, South Delta, Province of British Columbia, do hereby certify that:

1. I have been employed as a Geologist for Noranda Exploration Company,Limited (no personal liability) from the Spring of 1987 to the present.

2. I graduated from the Montana College of Mineral Science and Technology in 1986 with a B.Sc degree in geological engineering.

3. I have worked in mineral exploration and in mines since 1983.

Terence J. McIntyre
January 1, 1989

LEGEND
CLAIM POSTS
Location Known
Location Approximate
Location Assumed
CLAIM LINES
Claim Boundary
Overlapping Boundary
HARMONY 15
HARMONY 5
2483(10)
HARMONY 1
2456(8)
HARMONY 2
2459(8)
HARMONY 3
2460(9)
HARMONY 4
2466(9)
PC 1
2512(11)
PC 2
2513(11)
P 3
2525(12)
RINA 3
1625(12)
RINA 2
1624(12)
RINA 1
1594(10)
VAL
2469(9)
B&T
2447(7)
FERRET
1579(9)
MINK 20
2446(7)
IDEAL 6
2393(6)
IDEAL 9
2440(7)
IDEAL 5
2392(6)
IDEAL 1
2388(6)
IDEAL 7
2411(6)
IDEAL 4
239(6)
IDEAL 3
2390(6)
IDEAL 2
2389(6)
LUPUS 1
1656(2)
LUPUS 3
LUPUS 4
2046(2)
WOLF
1296(1)
WOLFJACK
2305(3)
LAGER
2441(7)
STOUT
2443(7)
SHANDY
2445(7)
PIL
2444(7)
ALE
2442(7)
JOE ANNE III
1840(8)
JOE ANNE I
1838(8)
JOE ANNE II
1839(8)
JOE ANNE IV
1841(8)
JOE ANNE 5
1939(10)
JOE ANNE 6
2574(3)
RAM 1
2208(7)
RAM 2
2209(8)
CARDINAL 1
2496(11)
CARDINAL 2
2497(11)
CARDINAL 3
2580(3)
MT WASHINGTON
MT BROOKS
STRATHCONA RECREATION AREA
STRATHCONA PROVINCIAL PARK
CONSTITUTION HILL
Oyster River
Piggott Creek
Lake Helen MacKenzie
Battleship Lake
Divers Lake
Anderson Lake
Blk. 1339
Blk. 934
49°48'00"
GEOLOGICAL BRANCH ASSESSMENT REPORT
18,337
REVISED
FORBIDDEN PLATEAU
PIGGOTT CREEK BLOCK
CLAIM MAP
PROJ. No. 167
N.T.S. 92F/11,14
DWG. No. 3a
SURVEY BY:
DRAWN BY: J.Serwin
DATE: JUNE 1987
SCALE: 1:20,000
NORANDA EXPLORATION
OFFICE: VANCOUVER
SCALE 1:20,000
Metres 400 200 0 400 800 1200 Metres

HEADQUARTERS
LEGEND
CLAIM POSTS
Location Known
Location Approximate
Location Assumed
CLAIM LINES
Claim Boundary
Overlapping Boundary
P 3 2525(12)
RINA I 1594(10)
ALE
LAGER 2441(7)
STOUT 2443(7)
PIL 2444(7)
SHANDY 2445(7)
IDEAL 5 2392(6)
IDEAL I 2388(6)
LUPUS I 1656(2)
LUPUS 3 1658(3)
WOLF 1296(1)
LUPUS 5 1702(4)
LUPUS 4 2046(2)
IDEAL 7 2411(6)
JOE ANNE III 1840(8)
JOE ANNE I 1838(8)
JOE ANNE 6 2574(3)
JOE ANNE IV 1841(8)
JOE ANNE II 1839(8)
JOE ANNE 5 1939(10)
MT WASHINGTON
STRATHCONA RECREATION AREA
WOLFJACK 2305(3)
IDEAL 4 239(6)
RAM 1 2208(7)
CARDINAL 1 2496(11)
CARDINAL 2 2497(11)
IDEAL 3 2390(6)
IDEAL 2 2389(6)
RAM 2 2209(8)
CARDINAL 3 2580(3)
REWARD 5 2579(3)
REWARD 4 2578(3)
REWARD 3 2577(3)
REWARD 2 2576(3)
REWARD 1 2575(3)
IDEAL
BW 5 2526(11)
BW 1 2515(11)
MSL 267 MINERAL RESERVE (NO STAKING)
BEVAN 3 2697(6)
BEVAN 1 2695(6)
BW 2 2516(11)
BW 3 2517(11)
BEVAN 2 2696(6)
BW 4
STRATHCONA FORBIDDEN PLATEAU PROVINCIAL PARK
MT BROOKS
STRATA MTN
MT ELMA
MT DRABBLE
INDIANHEAD MTN
MT BECHER
WOOD MTN SKI PARK
GEOLOGICAL BRANCH ASSESSMENT REPORT
18,337
SCALE 1:20,000
Part 2 of 2
Metres 400 0 400 800 1200 1600 2000 Metres
REVISED
FORBIDDEN PLATEAU
BROWNS RIVER BLOCK
CLAIM MAP
PROJ. No. 167
N.T.S. 92F/11,14
DWG. No. 3b
SURVEY BY:
DRAWN BY: J. Serwin
DATE: February 1987
SCALE: 1:20,000
NORANDA EXPLORATION
OFFICE: VANCOUVER, B.C.

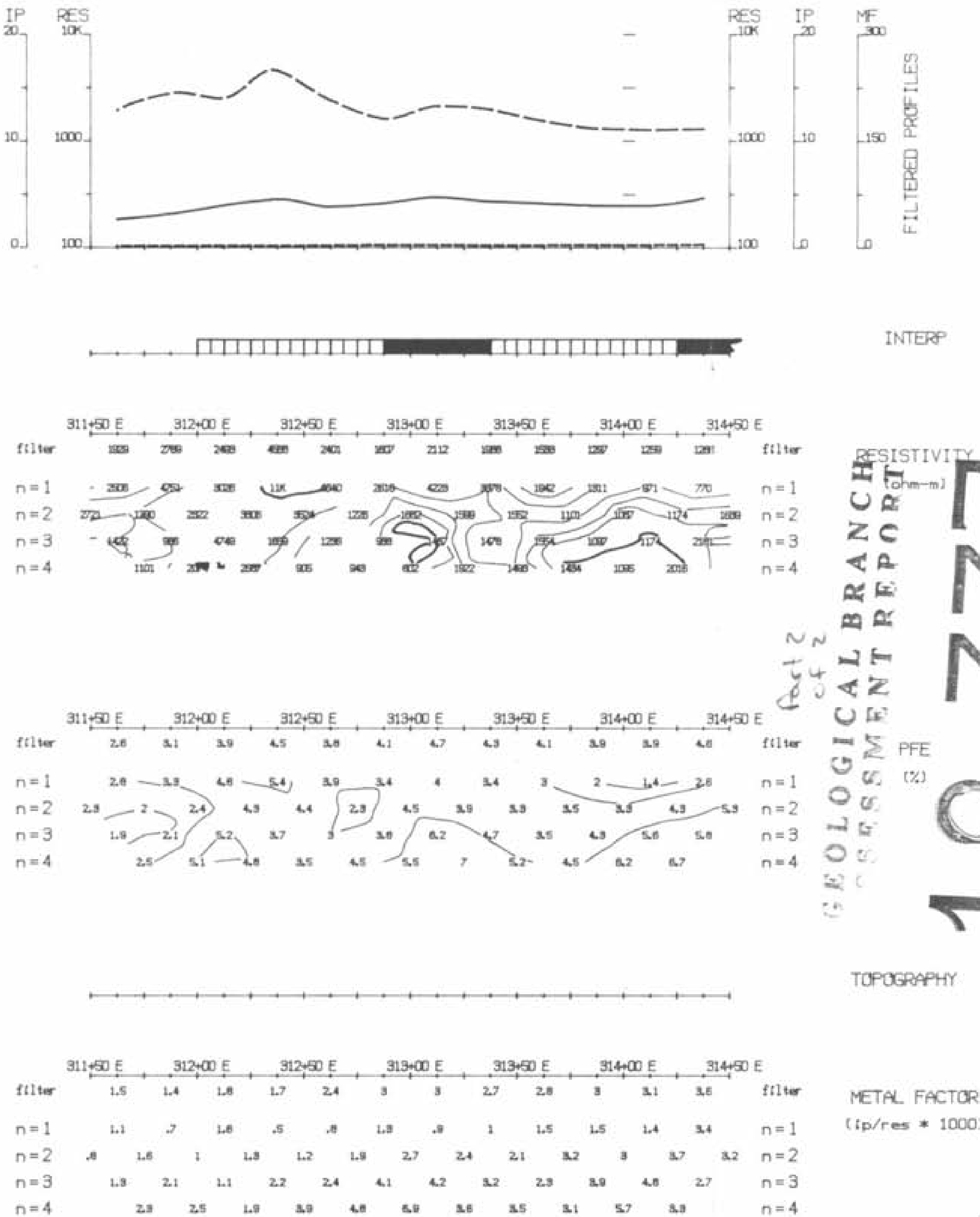
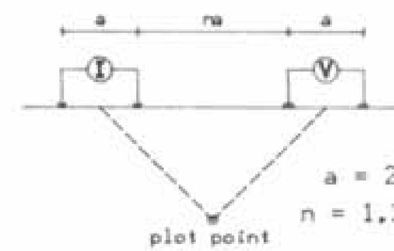


Figure 4

GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 21200 N

Dipole-Dipole Array



a = 25m
n = 1,2,3,4

Filtered Profiles

		filter
Resistivity	———	*
Polarization	———	* *
Metal Factor	---------	* * *
		* * * *

Logarithmic Contours 1. 1.5. 2. 3. 5. 7.5. 10....

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

■ Strong increase in polarization

▪ Moderate increase in polarization

□ Pronounced resistivity increase

▼ Pronounced resistivity decrease

DIVERS Lake - Mt. BROOKS GRID

INDUCED POLARIZATION SURVEY

Line 21200 N
S.B.C.

Date: 88/08/04 N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

noranda

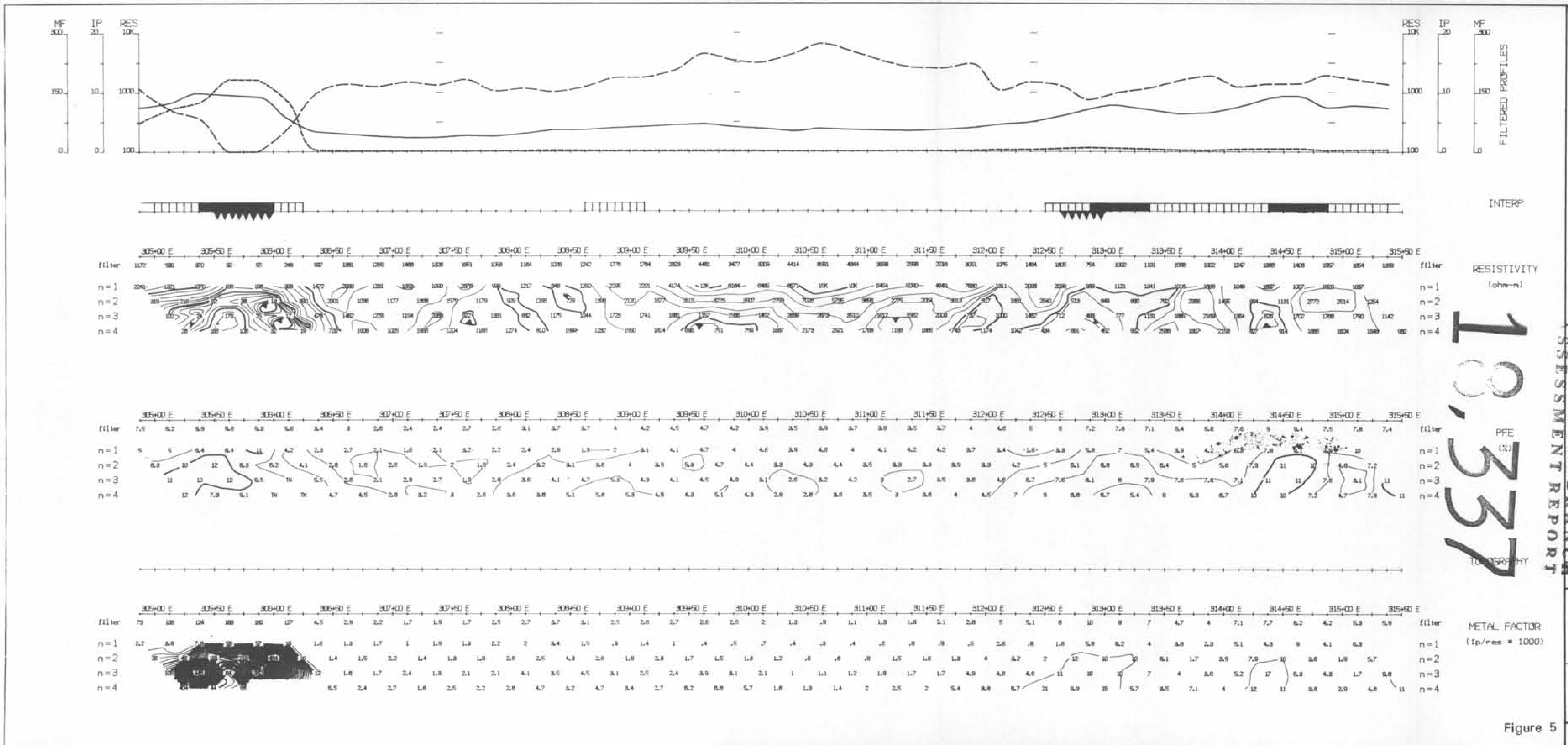


Figure 5

Line 21300 N

Dipole-Dipole Array

a = 25m
n = 1,2,3,4
plot point

Filtered Profiles

		filter
Resistivity	------	*
Polarization	——	* *
Metal Factor	--------	* * *
		* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,....

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Pronounced resistivity increase

Pronounced resistivity decrease

DIVERS Lake - Mt. BROOKS GRID

INDUCED POLARIZATION SURVEY

Line 21300 N
S.B.C.

Date: 88/08/04 N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

noranda

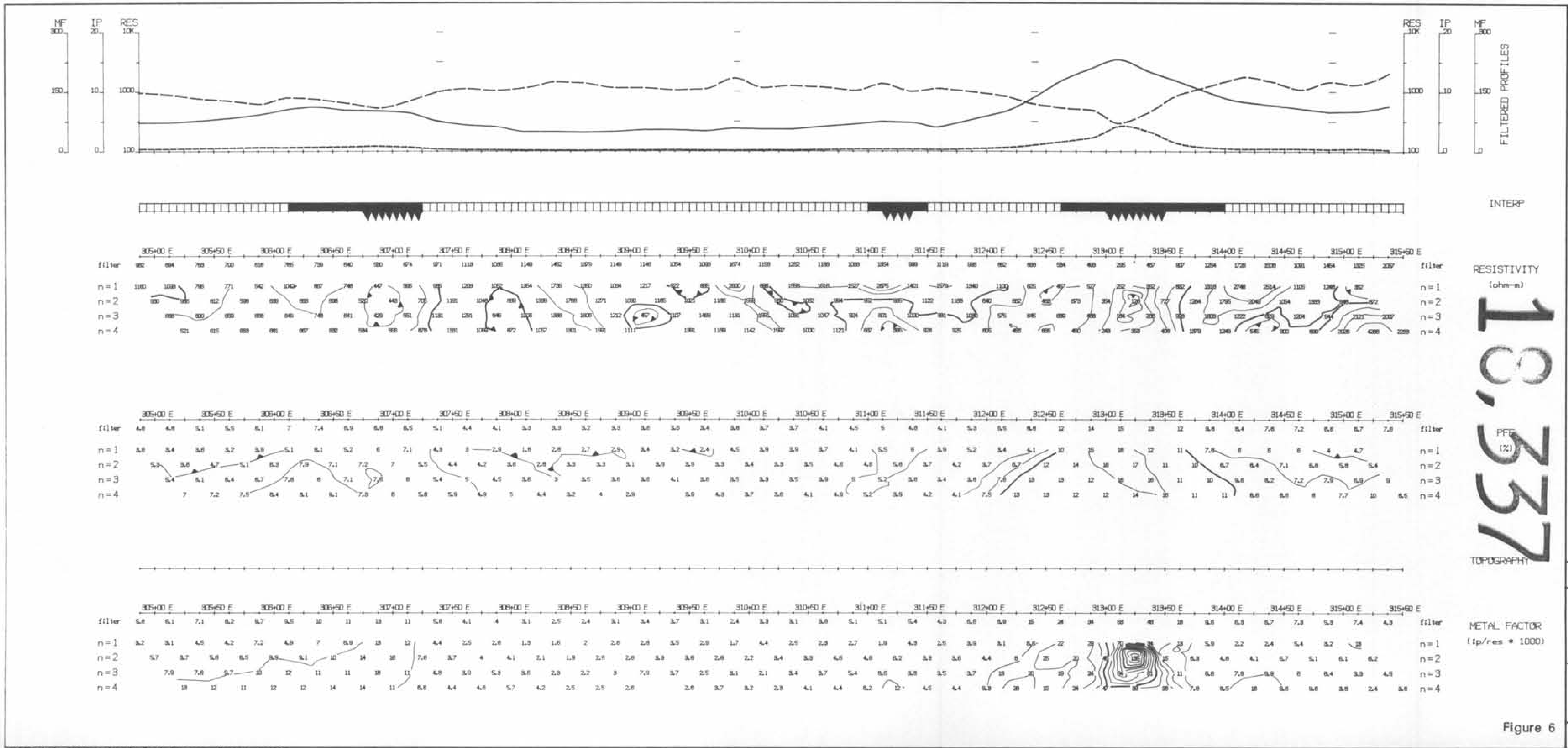


Figure 6

GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 21400 N

Dipole-Dipole Array

a = 25m
n = 1,2,3,4
plot point

Filtered Profiles

		filter
Resistivity	------	*
Polarization	———	* *
Metal Factor	------	* * *
		* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,....

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

Strong increase in polarization

Moderate increase in polarization

Pronounced resistivity increase

Pronounced resistivity decrease

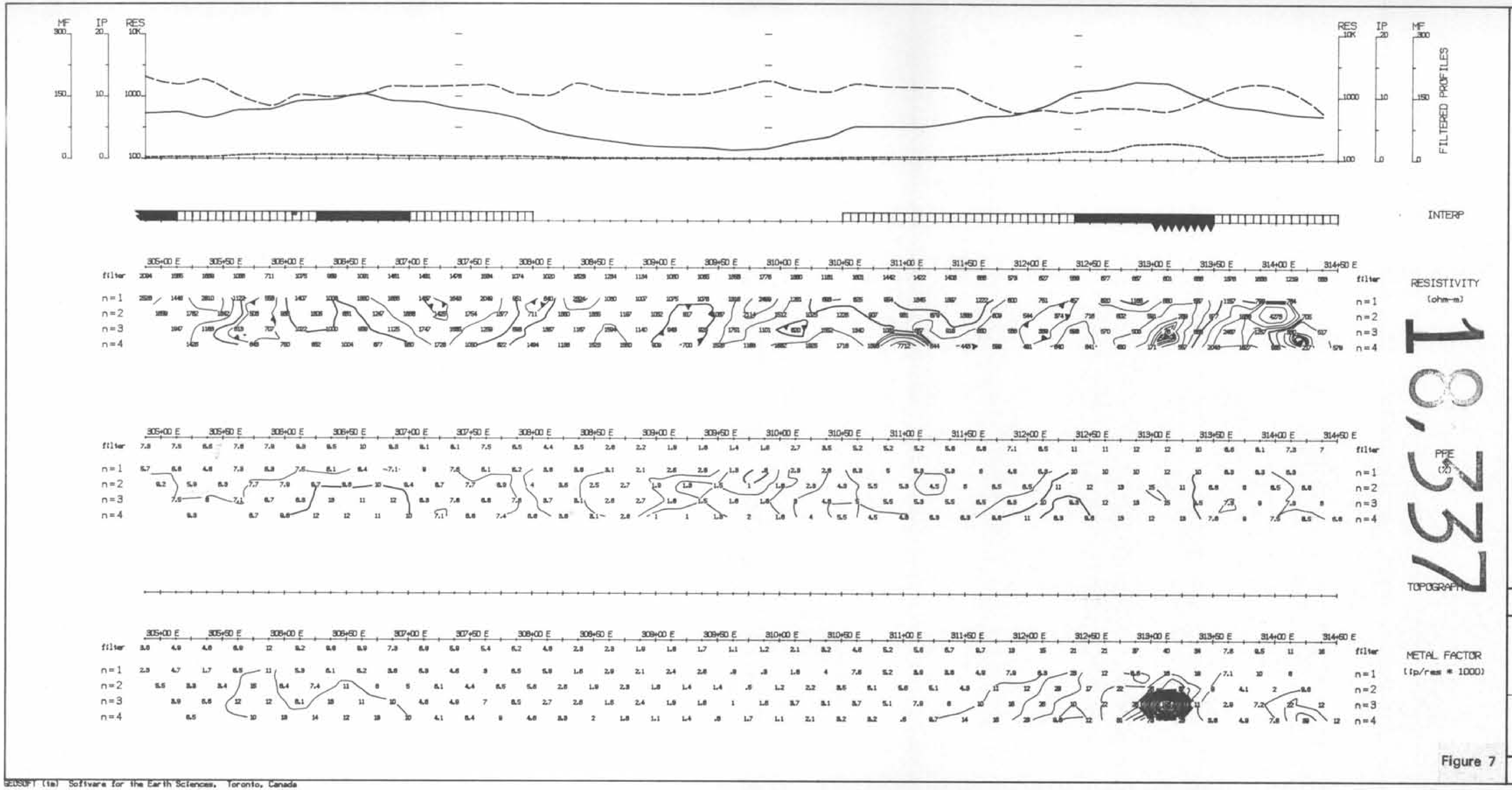
DIVERS Lake - Mt. BROOKS GRID

INDUCED POLARIZATION SURVEY

Line 21400 N
S.B.C.

Date: 88/08/04 N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

noranda



Line 21500 N

Dipole-Dipole Array

a = 25m
n = 1,2,3,4
plot point

Filtered Profiles

		filter
Resistivity	———	*
Polarization	———	* *
Metal Factor	———	* * *
		* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,....

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

- ■ Strong increase in polarization
- ◘ Moderate increase in polarization
- □ Pronounced resistivity increase
- ▼ Pronounced resistivity decrease

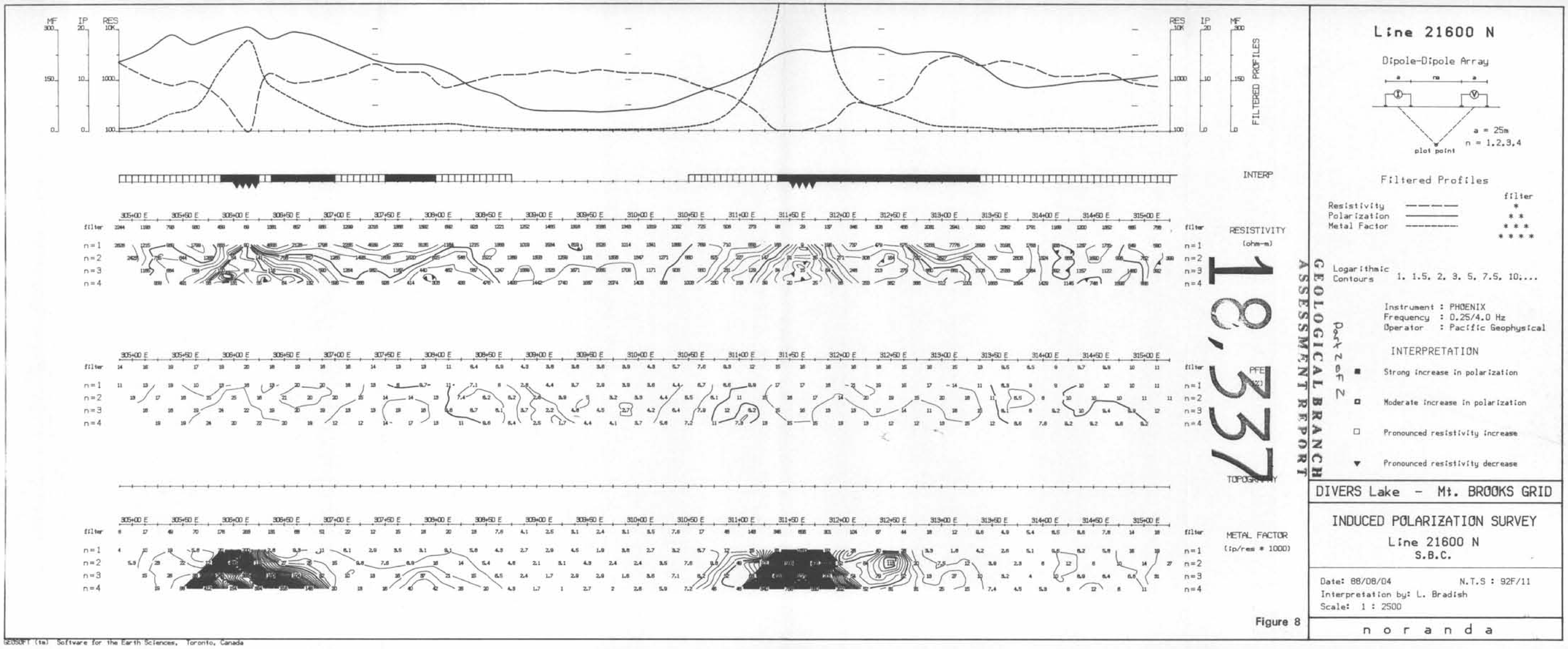
DIVERS Lake - Mt. BROOKS GRID

INDUCED POLARIZATION SURVEY

Line 21500 N
S.B.C.

Date: 88/08/05 N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

noranda



Line 21600 N
Dipole-Dipole Array
a = 25m
n = 1,2,3,4
plot point
Filtered Profiles
filter
Resistivity
Polarization
Metal Factor
Logarithmic Contours 1. 1.5. 2. 3. 5. 7.5. 10;...
Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical
INTERPRETATION
Strong increase in polarization
Moderate increase in polarization
Pronounced resistivity increase
Pronounced resistivity decrease
DIVERS Lake - Mt. BROOKS GRID
INDUCED POLARIZATION SURVEY
Line 21600 N
S.B.C.
Date: 88/08/04
N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500
n o r a n d a
Figure 8
FILTERED PROFILES
INTERP
RESISTIVITY (ohm-m)
PFE (%)
TOPOGRAPHY
METAL FACTOR (ip/res * 1000)
MF IP RES
filter
n=1
n=2
n=3
n=4
305+00 E 305+50 E 306+00 E 306+50 E 307+00 E 307+50 E 308+00 E 308+50 E 309+00 E 309+50 E 310+00 E 310+50 E 311+00 E 311+50 E 312+00 E 312+50 E 313+00 E 313+50 E 314+00 E 314+50 E 315+00 E
GEOLOGICAL BRANCH ASSESSMENT REPORT
18,337
Part 2 of 2
GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

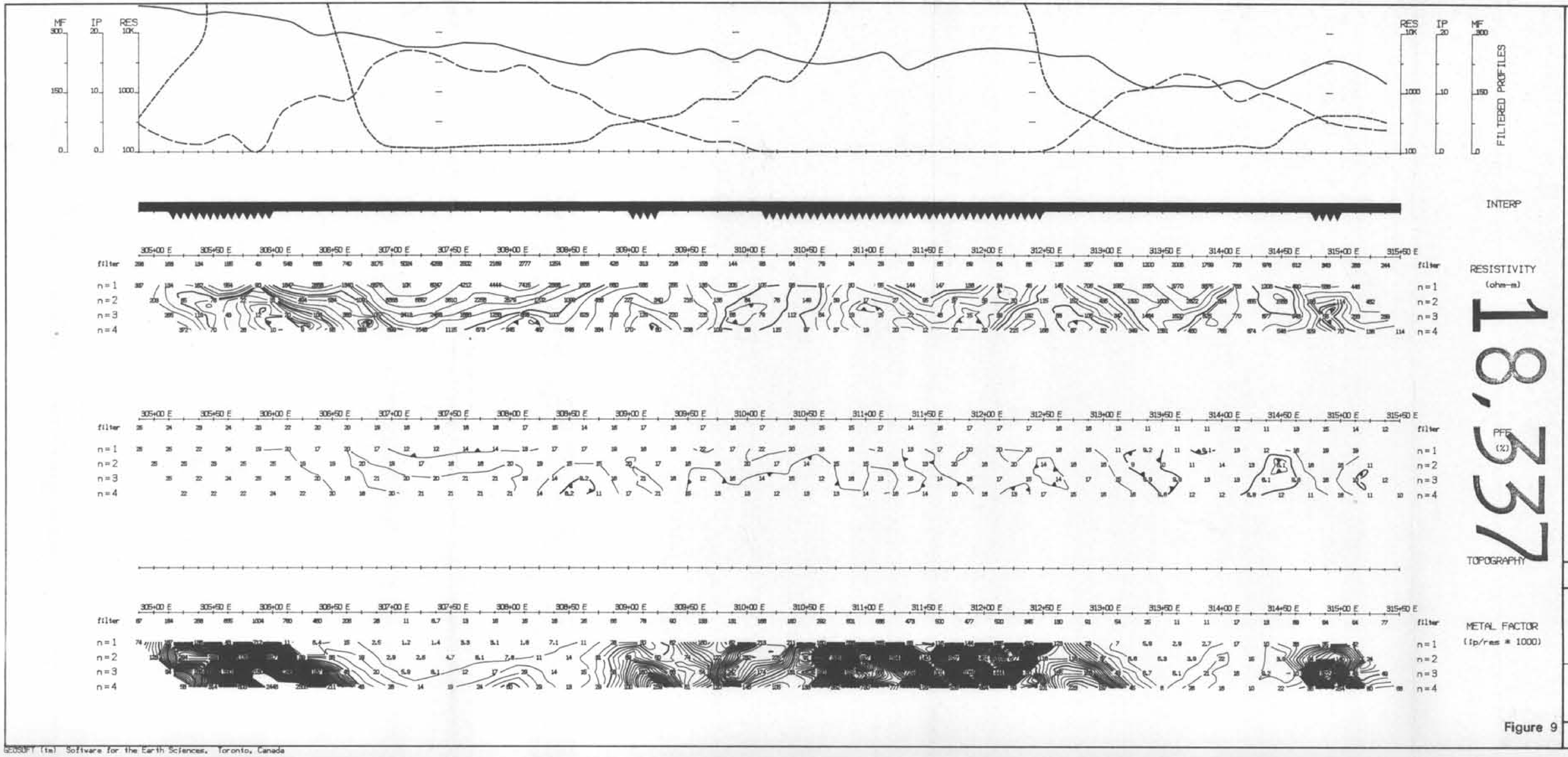


Figure 9

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Part 2 of 2

18,337

Line 21700 N

Dipole-Dipole Array

a = 25m
n = 1,2,3,4
plot point

Filtered Profiles

		filter
Resistivity	———	*
Polarization	———	* *
Metal Factor	———	* * *
		* * * *

Logarithmic Contours : 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

- ■ Strong increase in polarization
- ◘ Moderate increase in polarization
- □ Pronounced resistivity increase
- ▼ Pronounced resistivity decrease

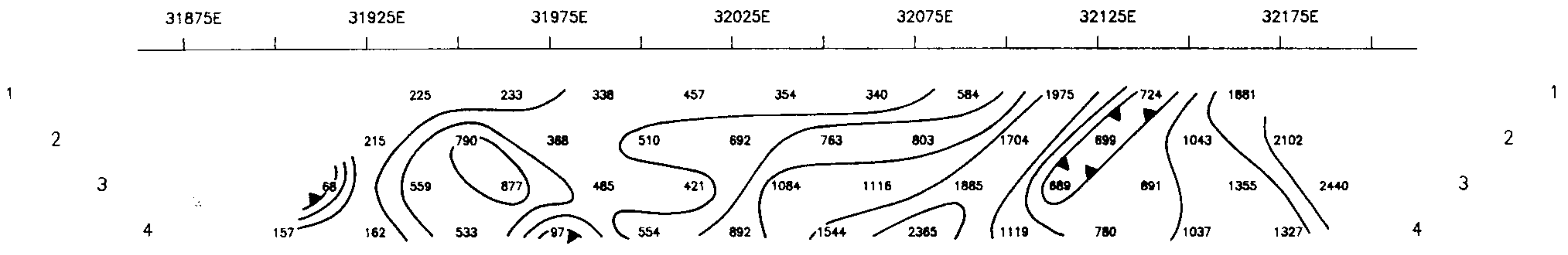
DIVERS Lake - Mt. BROOKS GRID

INDUCED POLARIZATION SURVEY

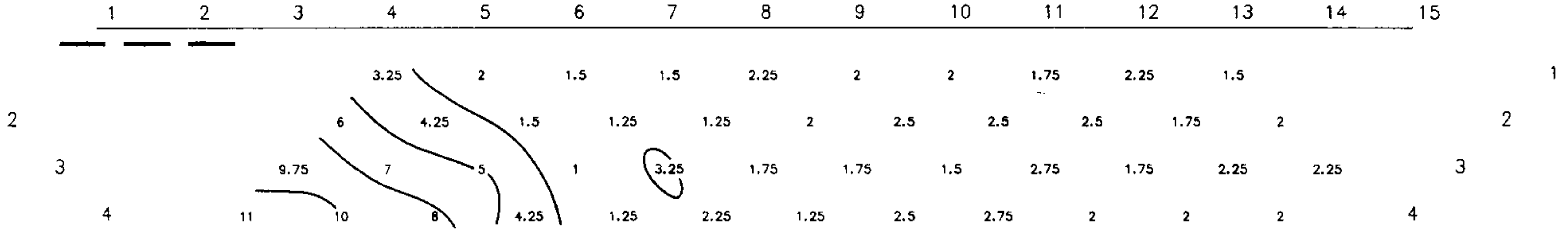
Line 21700 N
S.B.C.

Date: 88/08/05
N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

n o r a n d a



APPARENT RESISTIVITY (OHM–M)



PERCENT FREQUENCY EFFECT

INDUCED POLARIZATION SURVEY

ARRAY: DIPOLE–DIPOLE
FREQUENCY: .25/4 Hz
CONTOUR MULTIPLES:
1 1.5 2 3 4 5 7 10
SPACING: 25 m
SURVEY DATE: 17/11/87
OPERATOR: WK
Rx: PHEONIX IPV1
Tx: PHEONIX IPT1

Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,337

Figure 10

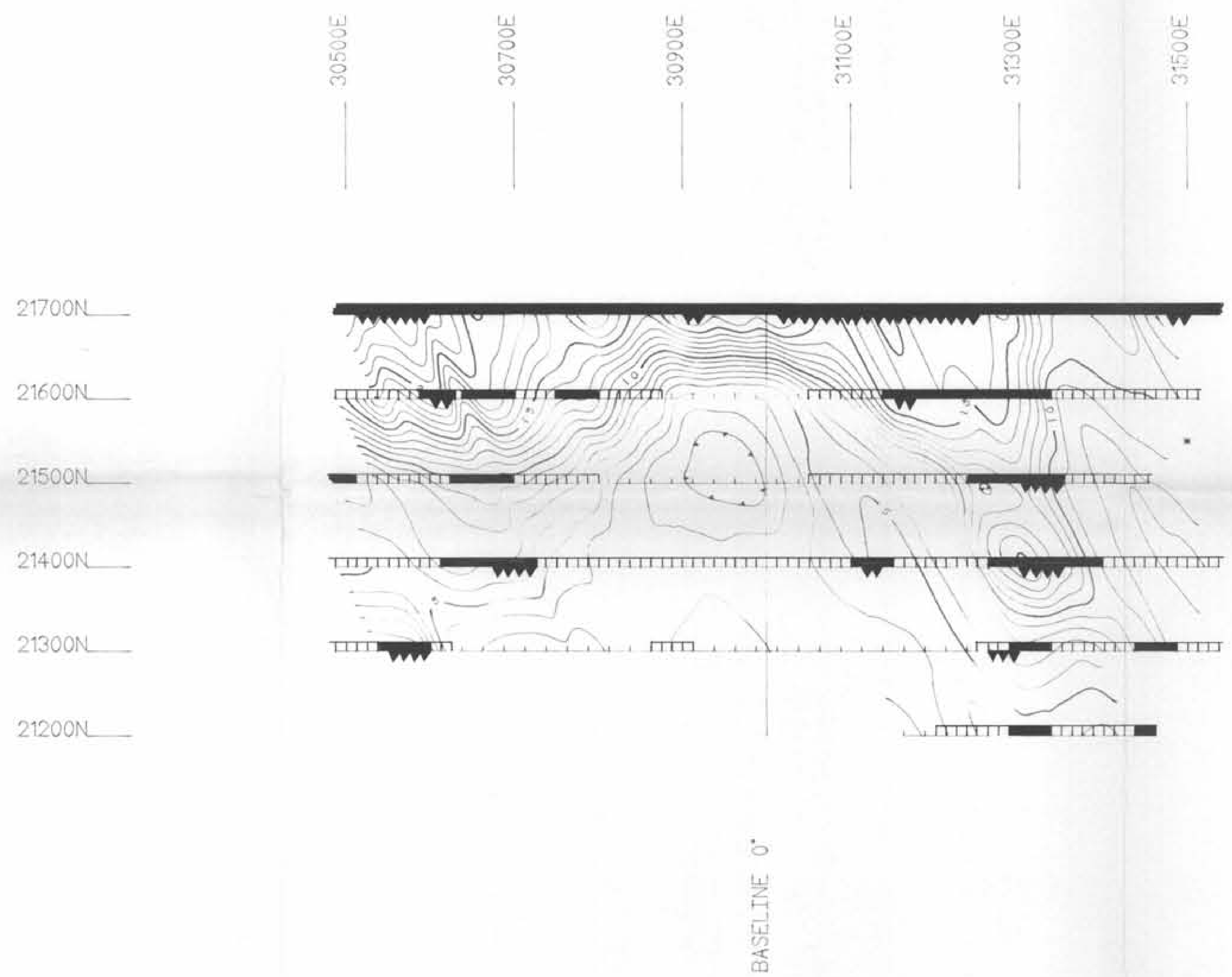
SCALE
m 50 0 50 m

DIPOLE LENGTH: 25 m

SCALE = 1: 1250

FORBIDDEN PLATEAU	
DIVER LAKE GRID I.P. SURVEY L 21800.0N	
AREA: MT. WASHINGTON	
NORANDA EXPLORATION	
Surveyed by: WK\MF	Date: 17/11/87
Plotted by: WK	Project No: 167

NORANDA EXPLORATION



Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,337

Instrument	: PHEONIX
Field	: %
Datum	: 0.0
Contour Interval	: 1.00 nT
Conductor Axis	:

100m 50m 0m 100m 200m

MT. BROOKS

IP SURVEY(PFE)

PROJECT: DIVERS LAKE PROJECT # : 167
BASELINE AZIMUTH : 0 Deg.

SCALE = 1: 5000 DATE : 8/ 4/88
SURVEY BY : PACIFIC NTS : 92F/11
FILE: M167IP

NORANDA EXPLORATION

Figure 11

Vers. 4.11 Registered User : NORANDA EXPLORATION

Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,337

Instrument	: PHEONIX
Field	: Ohms-m
Datum	: 0.0
Contour Interval	: 100 nT
Conductor Axis	:

100m 50m 0m 100m 200m

MT. BROOKS

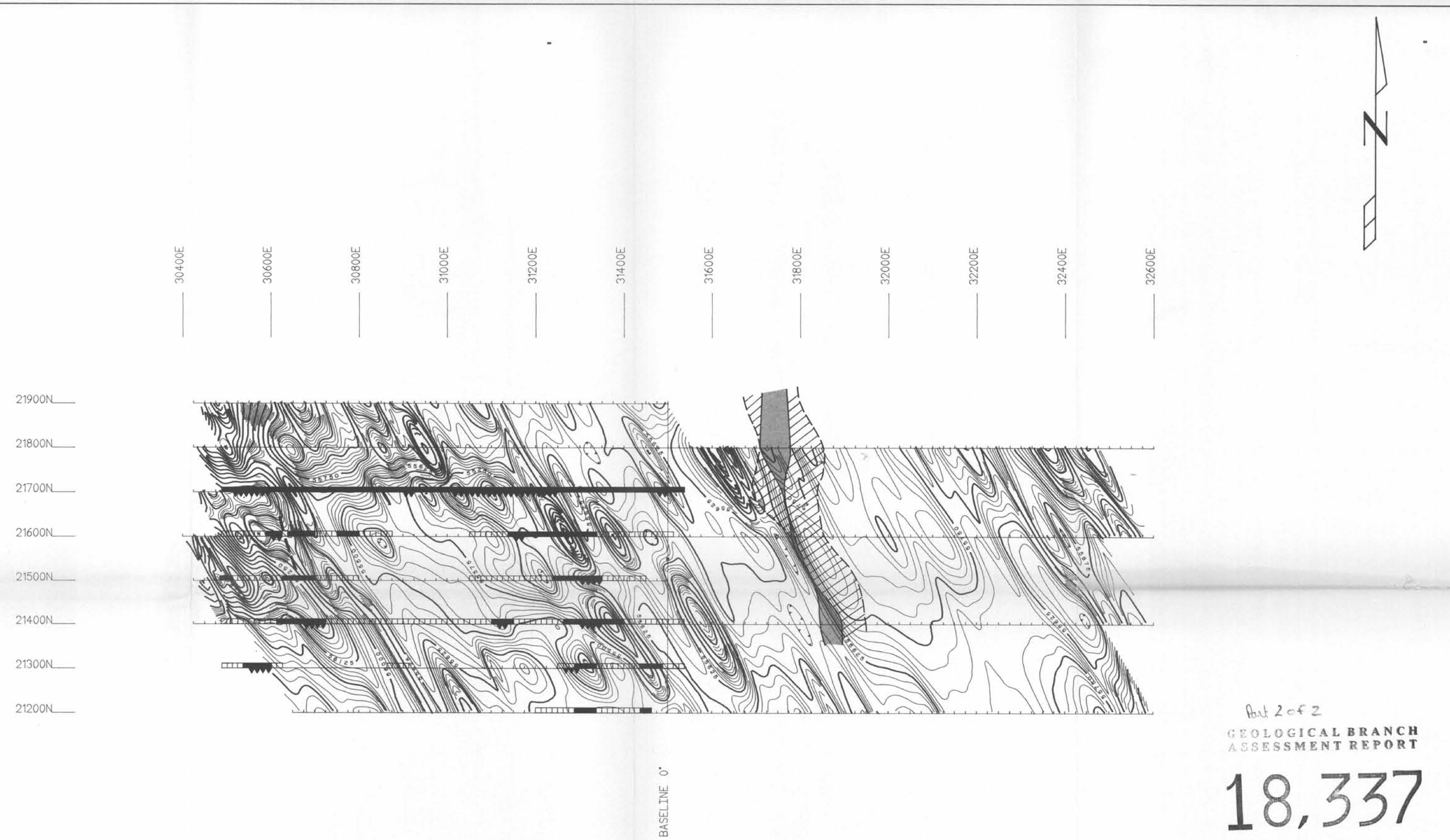
IP SURVEY(Resist.)

PROJECT: DIVERS LAKE PROJECT # : 167
BASELINE AZIMUTH : 0 Deg.

SCALE = 1: 5000 DATE : 8/ 4/88
SURVEY BY : PACIFIC NTS : 92F/11
FILE: M167IP

NORANDA EXPLORATION

Figure 12



Part 2 of 2

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,337

Instrument : OMNI
Field : TOTAL
Datum : 0.0 nT

Contour Interval : 25 nT

Conductor Axis :

100m 50m 0m 100m 200m

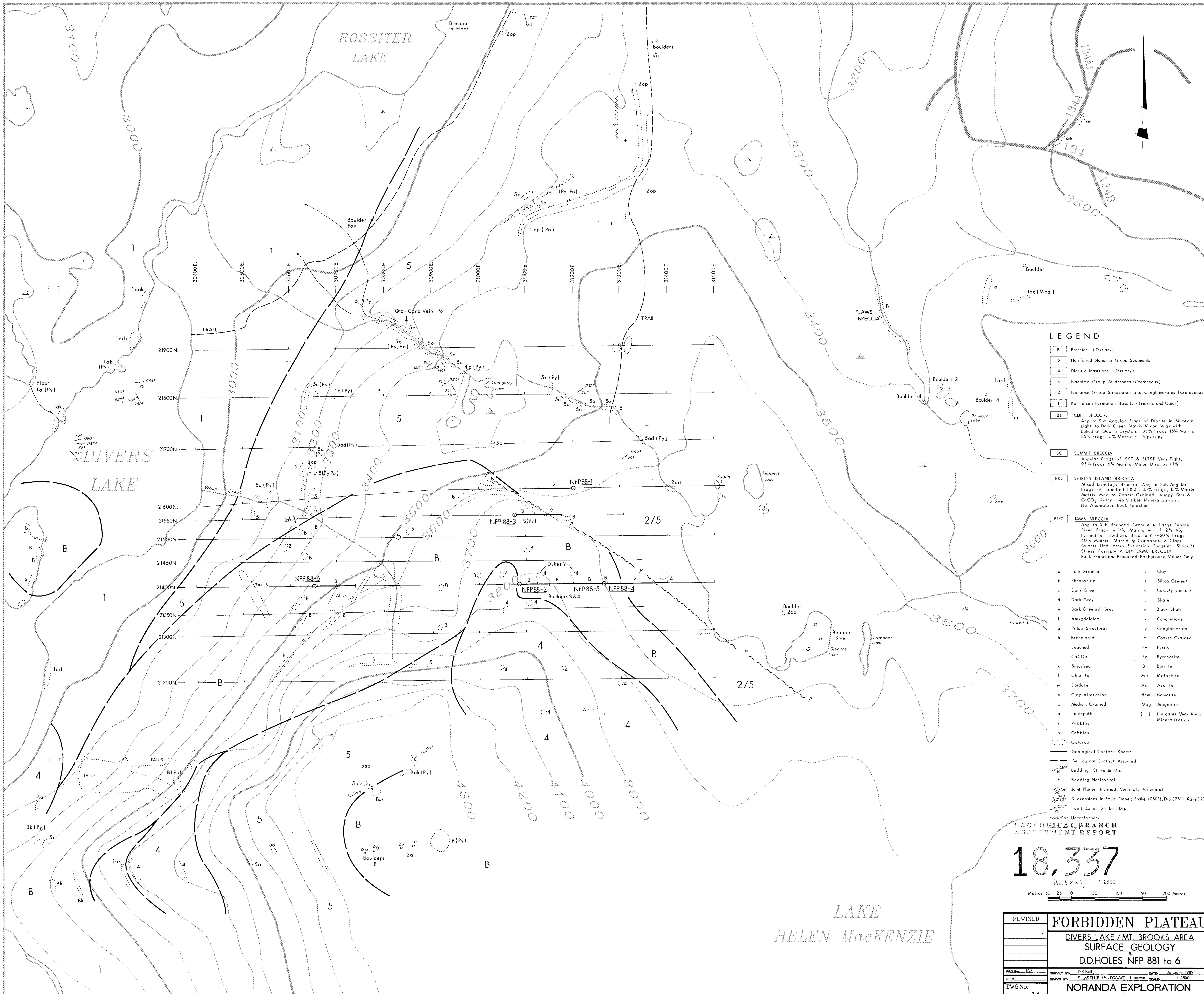
DIVER LAKE GRID

MAGNETOMETER SURVEY

PROJECT: FORBIDDEN PLATEAU PROJECT # : 167
BASELINE AZIMUTH : 0 Deg.

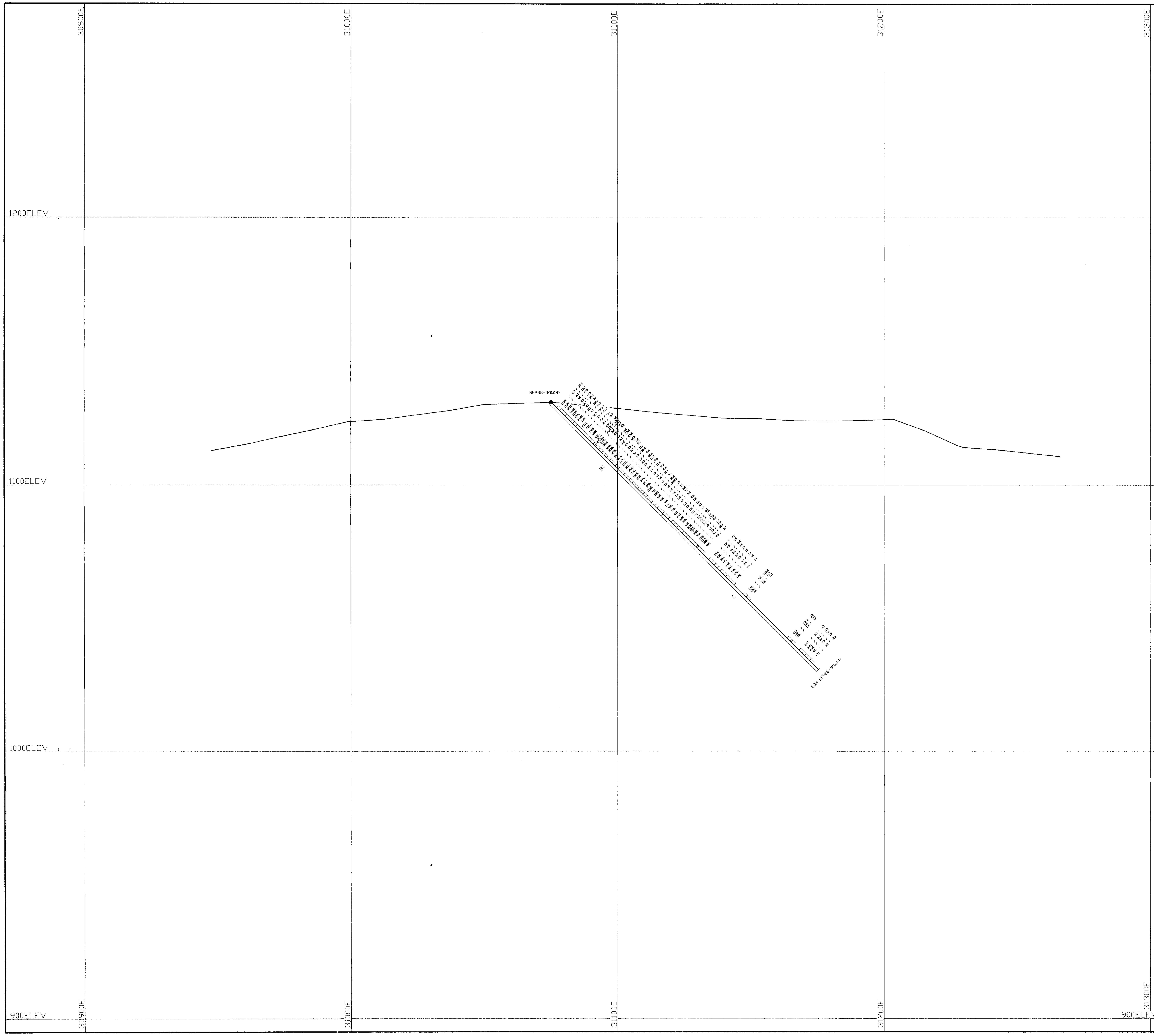
SCALE = 1: 5000 DATE : 11/20/87
SURVEY BY : P.W & ASSOCNTS :
FILE: M167DIV
NORANDA EXPLORATION

Figure 13



ROSSITER LAKE
DIVERS LAKE
LAKE HELEN MacKENZIE
Breccia in Float
Boulders
Boulder Fan
TRAIL
Qtz - Carb Vein, Po
Glengarry Lake
Keppech Lake
Appin L
Rannoch Lake
Glencoe Lake
Lochaber Lake
Argyll L.
"JAWS BRECCIA"
Dykes ?
TALUS
Gulley
Wasp Creek
Boulders B & 4
NFP88-1
NFP 88-3
NFP88-6
NFP88-2
NFP88-5
NFP88-4
30400E.
30500E.
30600E.
30700E.
30800E.
30900E.
31000E.
31100E.
31200E.
31300E.
31400E.
31500E.
21900N.
21800N.
21700N.
21600N.
21550N.
21500N.
21450N.
21400N.
21350N.
21300N.
21200N.
134
134A
134B
134A1
LEGEND
B Breccias (Tertiary)
5 Hornfelsed Nanaimo Group Sediments
4 Dioritic Intrusions (Tertiary)
3 Nanaimo Group Mudstones (Cretaceous)
2 Nanaimo Group Sandstones and Conglomerates (Cretaceous)
1 Karmutsen Formation Basalts (Triassic and Older)
BI CLIFF BRECCIA
Ang to Sub Angular Frags of Diorite in Siliceous, Light to Dark Green Matrix Minor Vugs with Euhedral Quartz Crystals. 85% Frags 15% Matrix - 85% Frags 15% Matrix - 1% py (cpy)
BC SUMMIT BRECCIA
Angular Frags of SST & SLTST Very Tight, 95% Frags 5% Matrix Minor Diss py < 1%
BKC SHIRLEY ISLAND BRECCIA
Mixed Lithology Breccia. Ang to Sub Angular Frags of Silicified 1 & 2. 85% Frags, 15% Matrix Matrix Med to Coarse Grained, Vuggy Qtz & CaCO3 Rusty. No Visible Mineralization, No Anomalous Rock Geochem.
BIKC JAWS BRECCIA
Ang to Sub Rounded Granule to Large Pebble Sized Frags in Vfg Matrix with 1-2% Vfg Pyrrhotite. Fluidized Breccia ? ~60% Frags 40% Matrix. Matrix fg Carbonate & Clays. Quartz Undulatory Extinction Suggests (Shock?) Stress Possibly A DIATERME BRECCIA. Rock Geochem Produced Background Values Only.
a Fine Grained
b Porphyritic
c Dark Green
d Dark Grey
e Dark Greenish Grey
f Amygdaloidal
g Pillow Structures
h Brecciated
i Leached
j CaCO3
k Silicified
l Chlorite
m Epidote
n Clay Alteration
o Medium Grained
p Feldspothic
r Pebbles
s Cobbles
s Clay
t Silica Cement
u CaCO3 Cement
v Shale
w Black Shale
x Concretions
y Conglomerate
z Coarse Grained
Py Pyrite
Po Pyrrhotite
Bn Bornite
Mlt Malachite
Azt Azurite
Hem Hematite
Mag Magnetite
( ) Indicates Very Minor Mineralization
Outcrop
Geological Contact Known
Geological Contact Assumed
Bedding ; Strike & Dip
Bedding Horizontal
Joint Planes ; Inclined, Vertical, Horizontal
Slickensides in Fault Plane ; Strike (080°), Dip (75°), Rake (20°)
Fault Zone ; Strike, Dip
Unconformity
GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
1:2,500
Metres 50 25 0 50 100 150 200 Metres
REVISED
FORBIDDEN PLATEAU
DIVERS LAKE / MT. BROOKS AREA
SURFACE GEOLOGY
&
D.D.HOLES NFP 881 to 6
PROJ.No. 167
N.T.S.
DWG.No. 14
SURVEY BY: D.R.Bull;
DRAWN BY: P.J.ARTHUR (AUTOCAD); J.Serwin
DATE: January 1989
SCALE: 1:2500
NORANDA EXPLORATION
OFFICE: Vancouver

GEOLOGICAL AND GEOCHEMICAL LEGEND.
C COMOX FORMATION HORNFELSED SANDSTONE AND SILTSTONE.
K KARMUTSEN FORMATION BASALT.
Q QUARTZ VEIN.
B BRECCIA
I INTRUSIVE:
A APLITE DYKE.
d DIORITE DYKE.
fp FELDSPAR PORPHYRY DYKE.
GEOCHEMICAL RESULTS:
Cu(ppm), Ag(ppm), and Au(ppb).
30900E
31000E
31100E
31200E
31300E
31400E
1200ELEV
1100ELEV
1000ELEV
900ELEV
GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
FORBIDDEN PLATEAU
DIVERS' LAKE GRID / MOUNT BROOKS
DRILL SECTION FOR NFP-88-1.
GEOLOGY AND GEOCHEMICAL RESULTS
SURVEY BY: D.R.BULL, T.MCINTYRE
SECTION 21600N
SCALE: 1:500 M
22 DEC 1988
Figure 15
NORANDA EXPLORATION COMPANY LIMITED



GEOLOGICAL AND GEOCHEMICAL LEGEND.

C COMOX FORMATION HORNFELSED SANDSTONE AND SILTSTONE.
K KARMUTSEN FORMATION BASALT.
B BRECCIA
I INTRUSIVE:
- A APLITE DYKE.
- d DIORITE DYKE.
- fp FELDSPAR PORPHYRY DYKE.

GEOCHEMICAL RESULTS:
Cu(ppm), Ag(ppm), and Au(ppb).

GEOLOGICAL BRANCH ASSESSMENT REPORT

18,337

Figure 16

FORBIDDEN PLATEAU

DIVERS' LAKE GRID / MOUNT BROOKS
DRILL SECTION FOR NFP-88-3.
GEOLOGY AND GEOCHEMICAL RESULTS

SURVEY BY: D.R.BULL, T.MCINTYRE
SECTION 21550N
SCALE: 1:500 M
22 DEC 1988

NORANDA EXPLORATION COMPANY LIMITED

GEOLOGICAL AND GEOCHEMICAL LEGEND.

C COMOX FORMATION HORNFELSED SANDSTONE AND SILTSTONE.
K KARMUTSEN FORMATION BASALT.
B BRECCIA
I INTRUSIVE:
A APLITE DYKE.
d DIORITE DYKE.
fp FELDSPAR PORPHYRY DYKE.

GEOCHEMICAL RESULTS:
Cu(ppm), Ag(ppm), and Au(ppb).

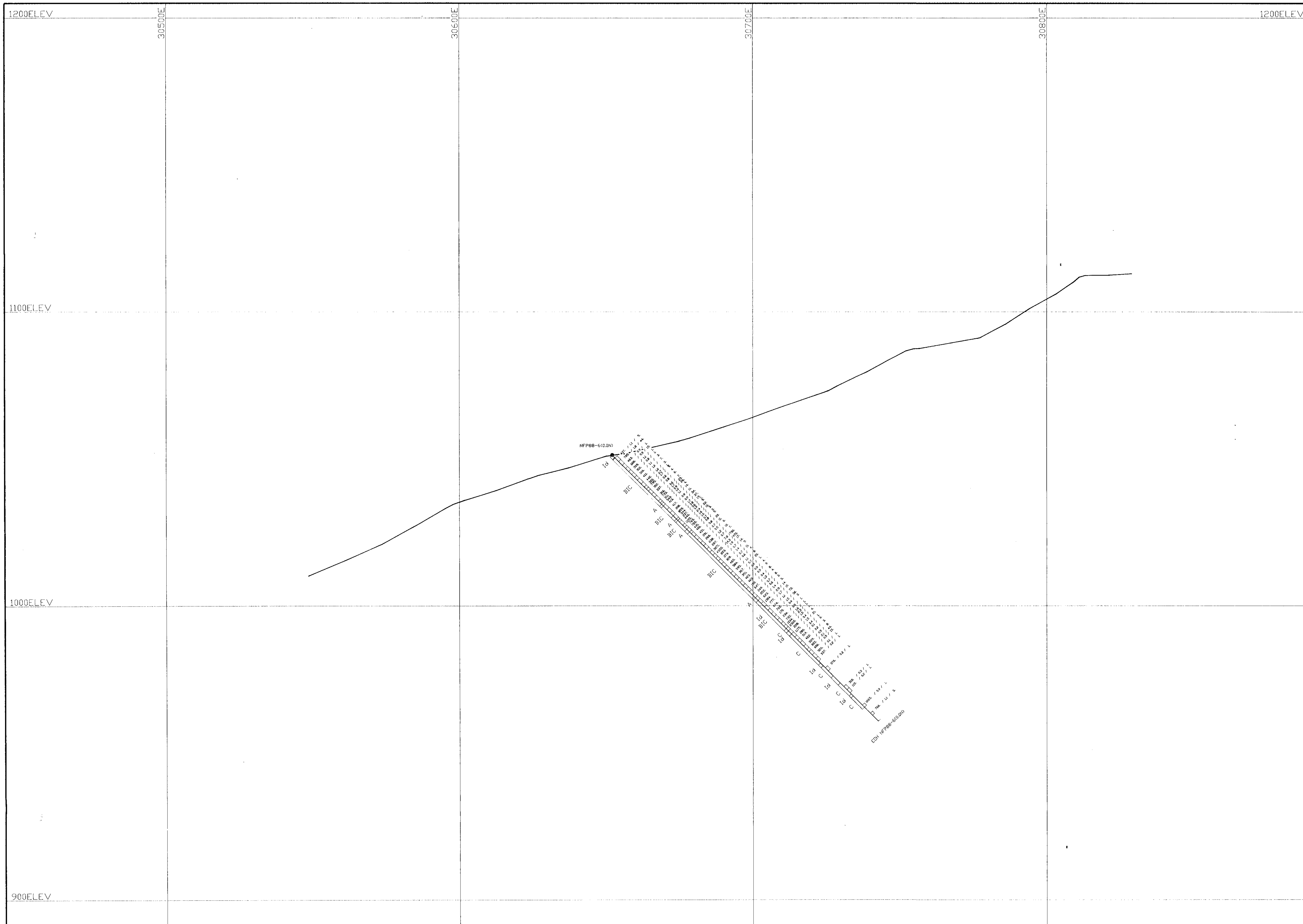
FORBIDDEN PLATEAU

DIVERS' LAKE GRID / MOUNT BROOKS
DRILL SECTION FOR NFP-88-2, NFP-88-4, AND NFP-88-5.
GEOLOGY AND GEOCHEMICAL RESULTS

SURVEY BY: D.R.BULL, T.MCINTYRE
SECTION 21400N
SCALE: 1:500 M
20 DEC 1988

Figure 17

NORANDA EXPLORATION COMPANY LIMITED



GEOLOGICAL AND GEOCHEMICAL LEGEND.

C COMOX FORMATION HORNFELSED SANDSTONE AND SILTSTONE.
K KARMUTSEN FORMATION BASALT.
Q QUARTZ VEIN.
B BRECCIA
I INTRUSIVE:
A APLITE DYKE.
d DIORITE DYKE.
fp FELDSPAR PORPHYRY DYKE.

GEOCHEMICAL RESULTS:
Cu(ppm), Ag(ppm), and Au(ppb).

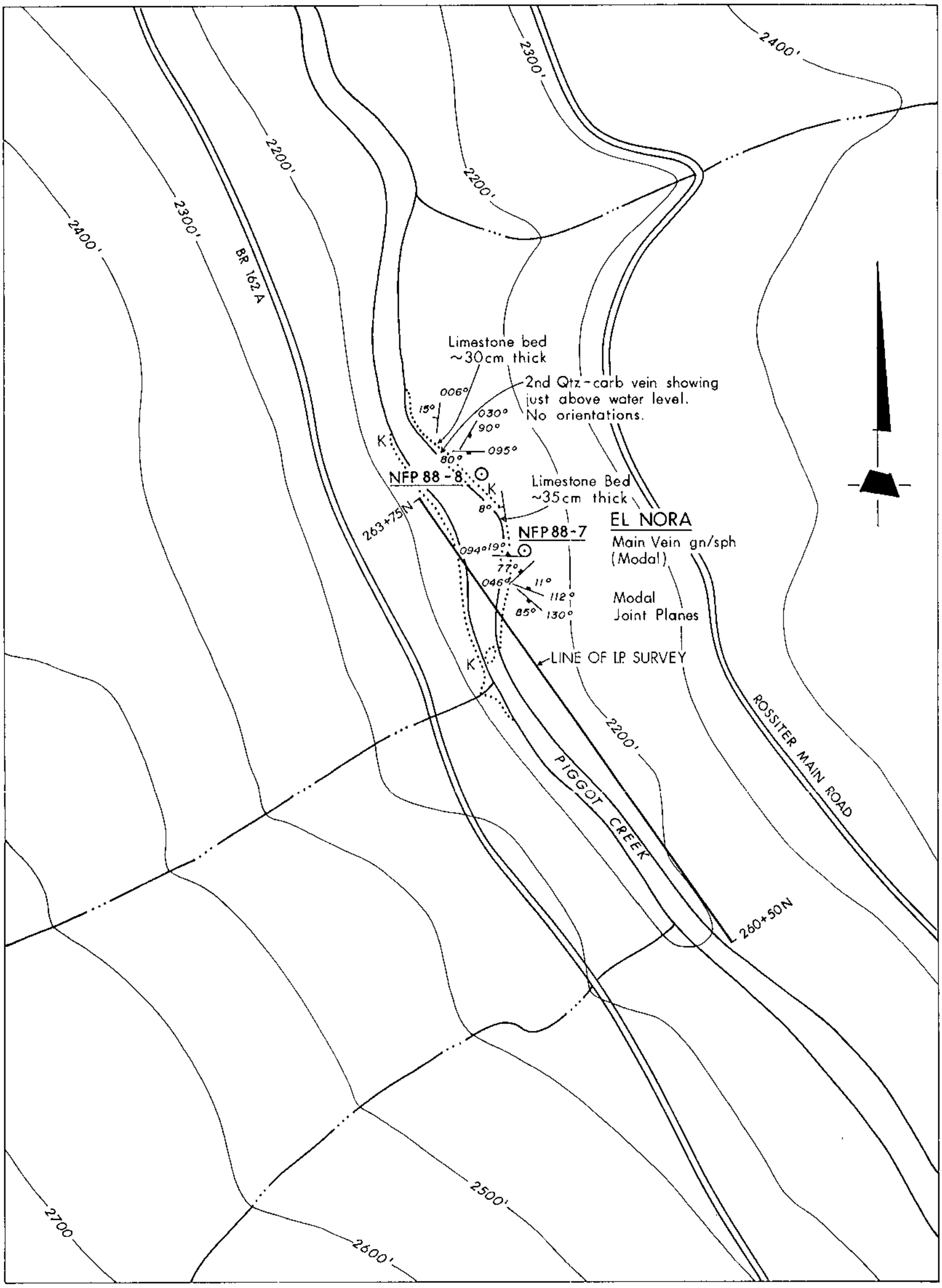
Figure 18

FORBIDDEN PLATEAU

DIVERS' LAKE GRID / MOUNT BROOKS
DRILL SECTION FOR NFP-88-6.
GEOLOGY AND GEOCHEMICAL RESULTS

SURVEY BY: D.R.BULL, T.MCINTYRE
SECTION 21400N
SCALE: 1:500 M
22 DEC 1988

NORANDA EXPLORATION COMPANY LIMITED



SCALE
1 : 2,500

Metres 0 25 50 100 150 Metres

LEGEND

K Karmutsen Formation Basalt

Contact Orientation

Joint Plane Orientation

Vein Orientation

Outcrop

D.D.Hole (Vertical)

REVISED	FORBIDDEN PLATEAU PROJECT
	EL NORA ZONE
	GEOLOGY & D.D.HOLES
PROJ.No. 167	SURVEY BY: D.R.Bull & T.Mc Intyre DATE: September 1988
N.T.S. 92 F/14	DRAWN BY: J.Serwin SCALE: 1 : 2500
DWG. No. 19	NORANDA EXPLORATION OFFICE: VANCOUVER

P.J.A.

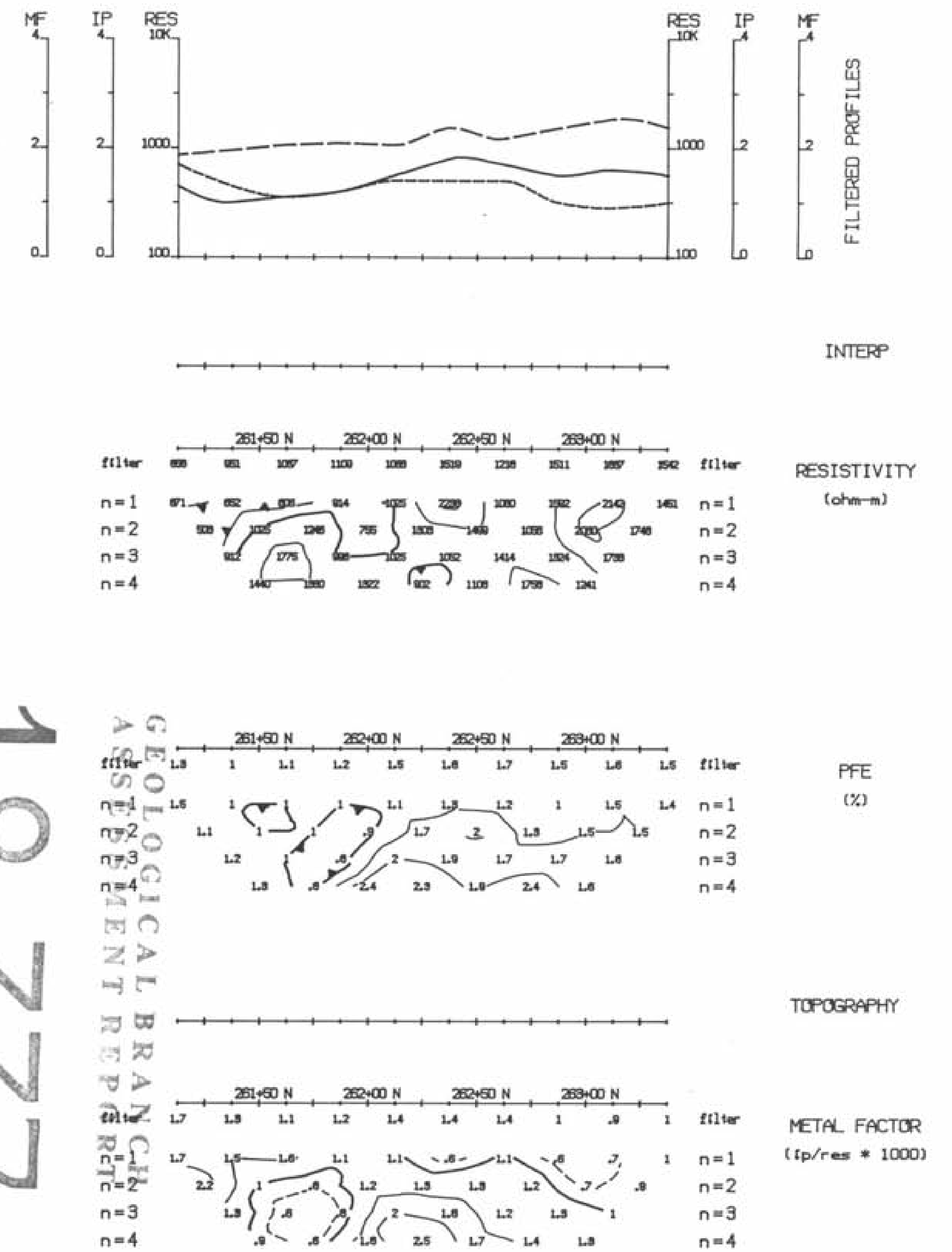
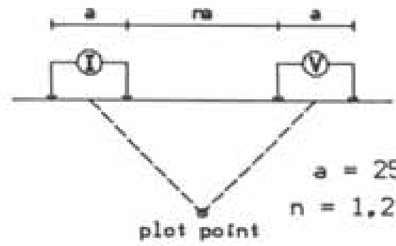


Figure 20

GEOSOFT (tm) Software for the Earth Sciences, Toronto, Canada

Line 21900 E

Dipole-Dipole Array



a = 25m
n = 1,2,3,4

Filtered Profiles

		filter
Resistivity	— — — —	*
Polarization	———	* *
Metal Factor	- - - - - - -	* * *
		* * * *

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,...

Instrument : PHOENIX
Frequency : 0.25/4.0 Hz
Operator : Pacific Geophysical

INTERPRETATION

■ Strong increase in polarization

▫ Moderate increase in polarization

□ Pronounced resistivity increase

▼ Pronounced resistivity decrease

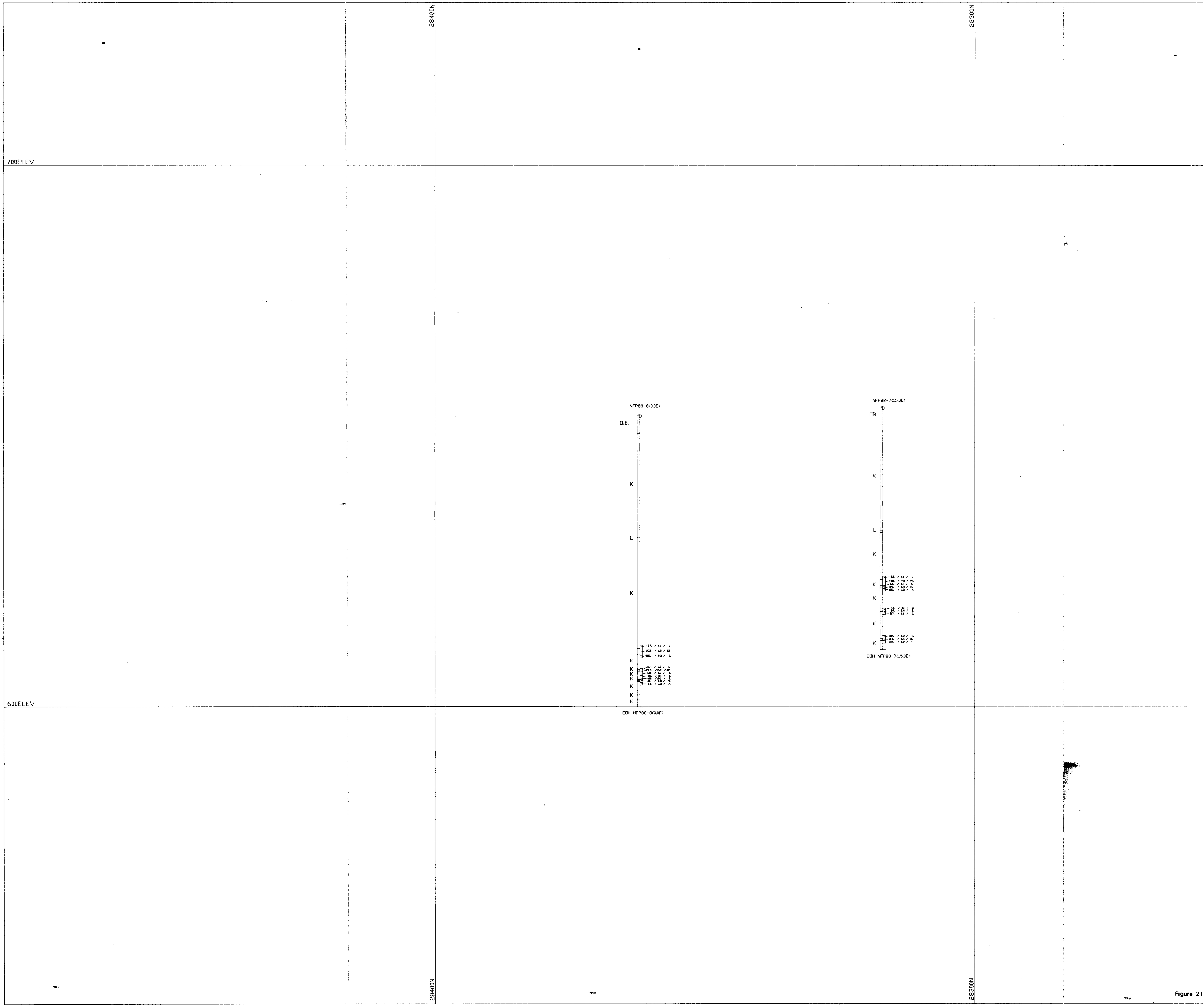
EL NORA RECON LINE

INDUCED POLARIZATION SURVEY

Line 21900 E
S.B.C.

Date: 88/08/05 N.T.S : 92F/11
Interpretation by: L. Bradish
Scale: 1 : 2500

noranda



GEOLOGICAL AND GEOCHEMICAL LEGEND.

C COMOX FORMATION HORNFELSED SANDSTONE AND SILTSTONE.
K KARMUTSEN FORMATION BASALT.
L LIMESTONE.
B BRECCIA
I INTRUSIVE:
A APLITE DYKE.
d DIORITE DYKE.
fp FELDSPAR PORPHYRY DYKE.

GEOCHEMICAL RESULTS:
Cu(ppm), Ag(ppm), and Au(ppb).

GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,337

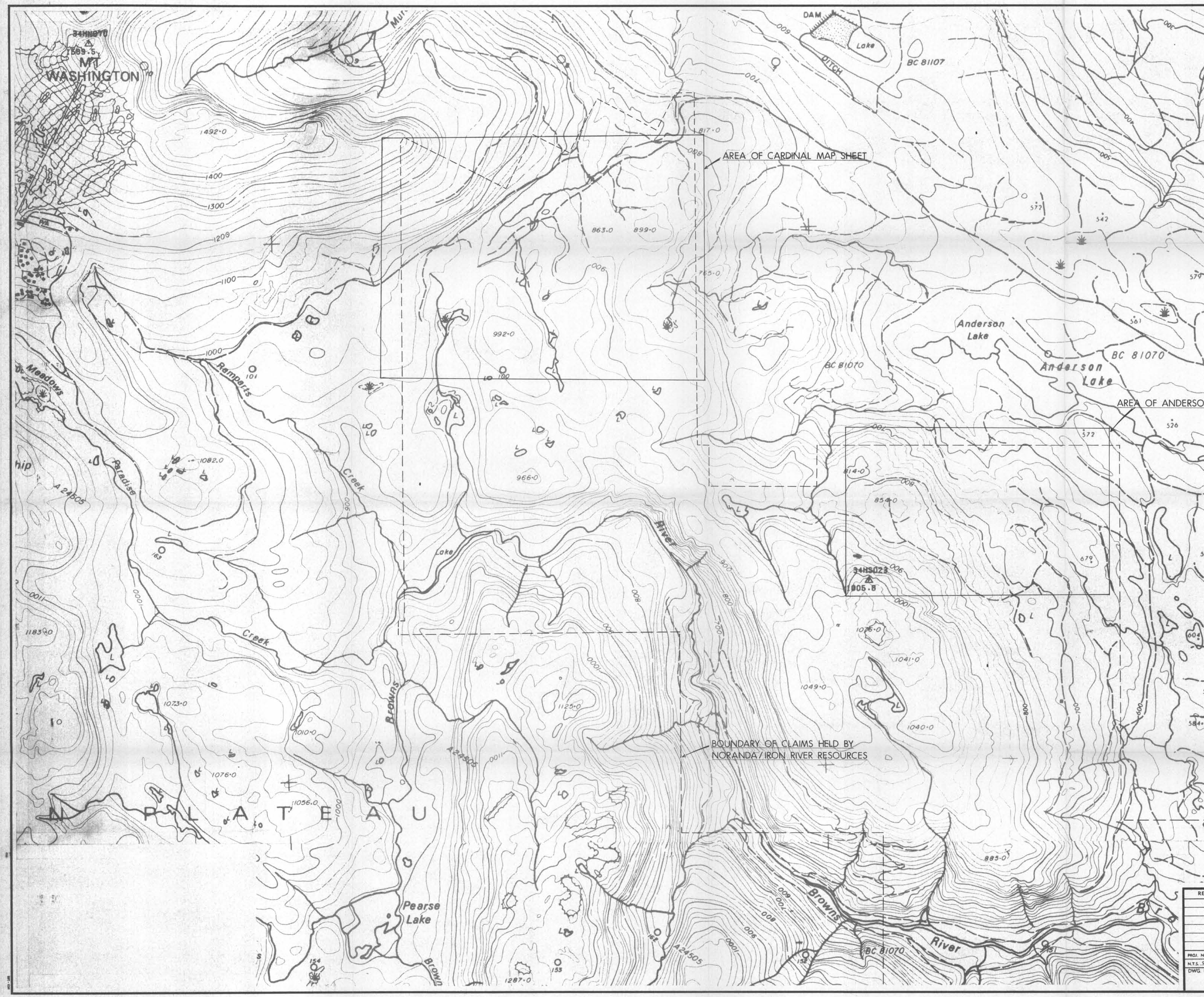
FORBIDDEN PLATEAU

ELNORA ZONE
DRILL SECTION FOR DDH-NFP-88-7, AND DDH-NFP-88-8.
GEOLOGY AND GEOCHEMICAL RESULTS

SURVEY BY: D.R.BULL, T.MCINTYRE
SECTION 29355E
SCALE: 1:250 M
22 DEC 1988

Figure 21

NORANDA EXPLORATION COMPANY LIMITED.



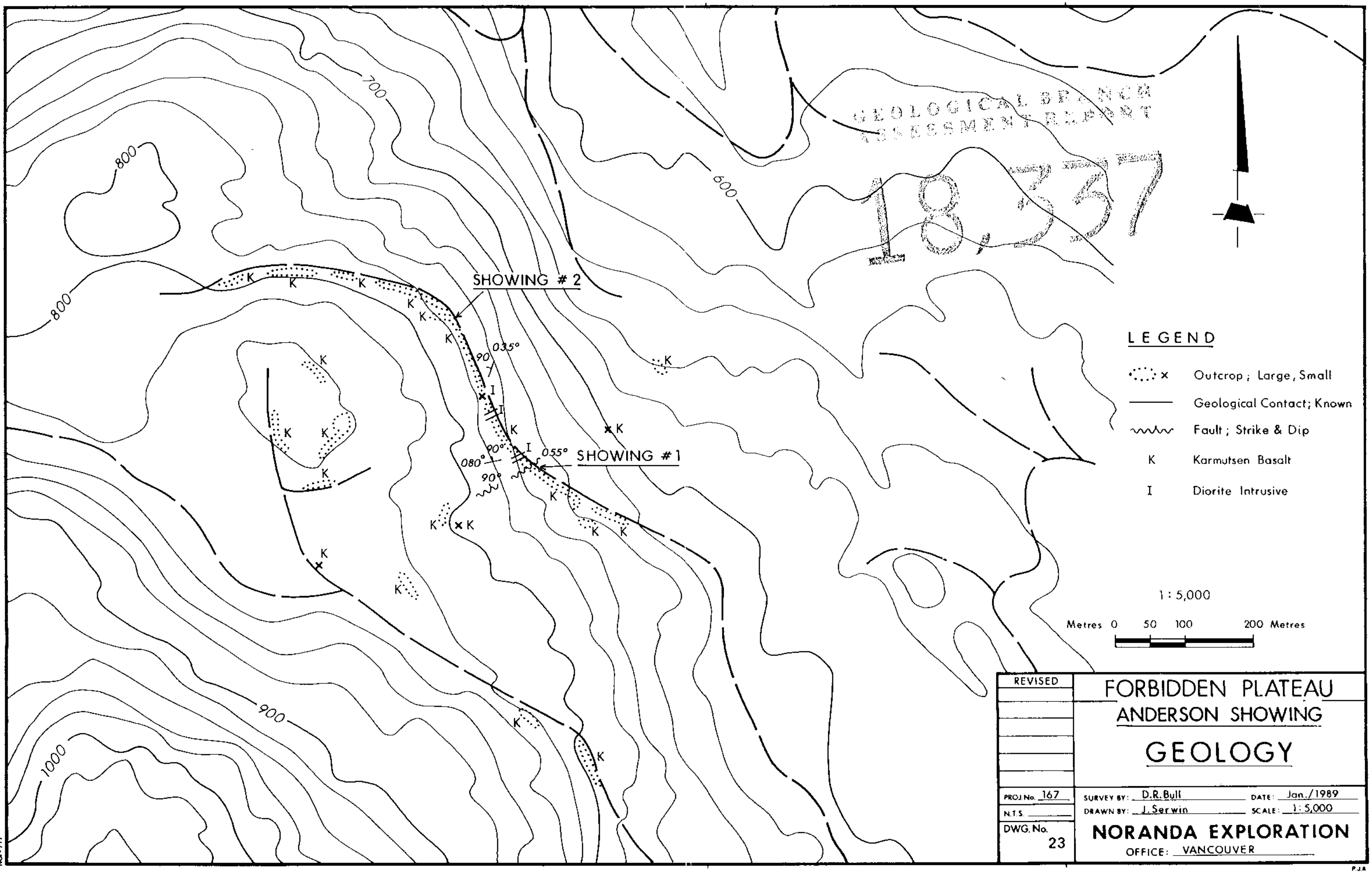
GEOLOGICAL BRANCH
ASSESSMENT REPORT

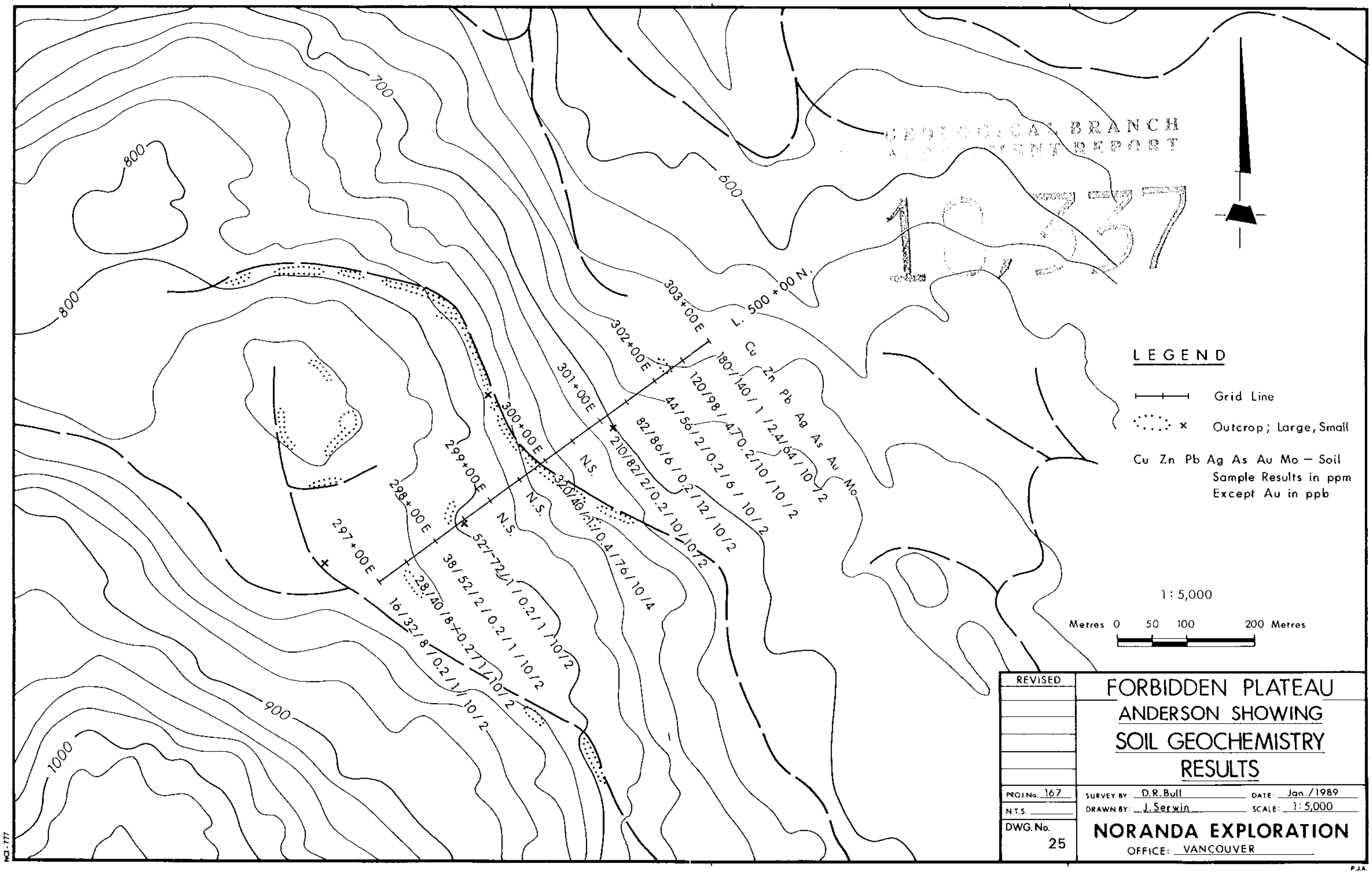
18,337

1:10,000

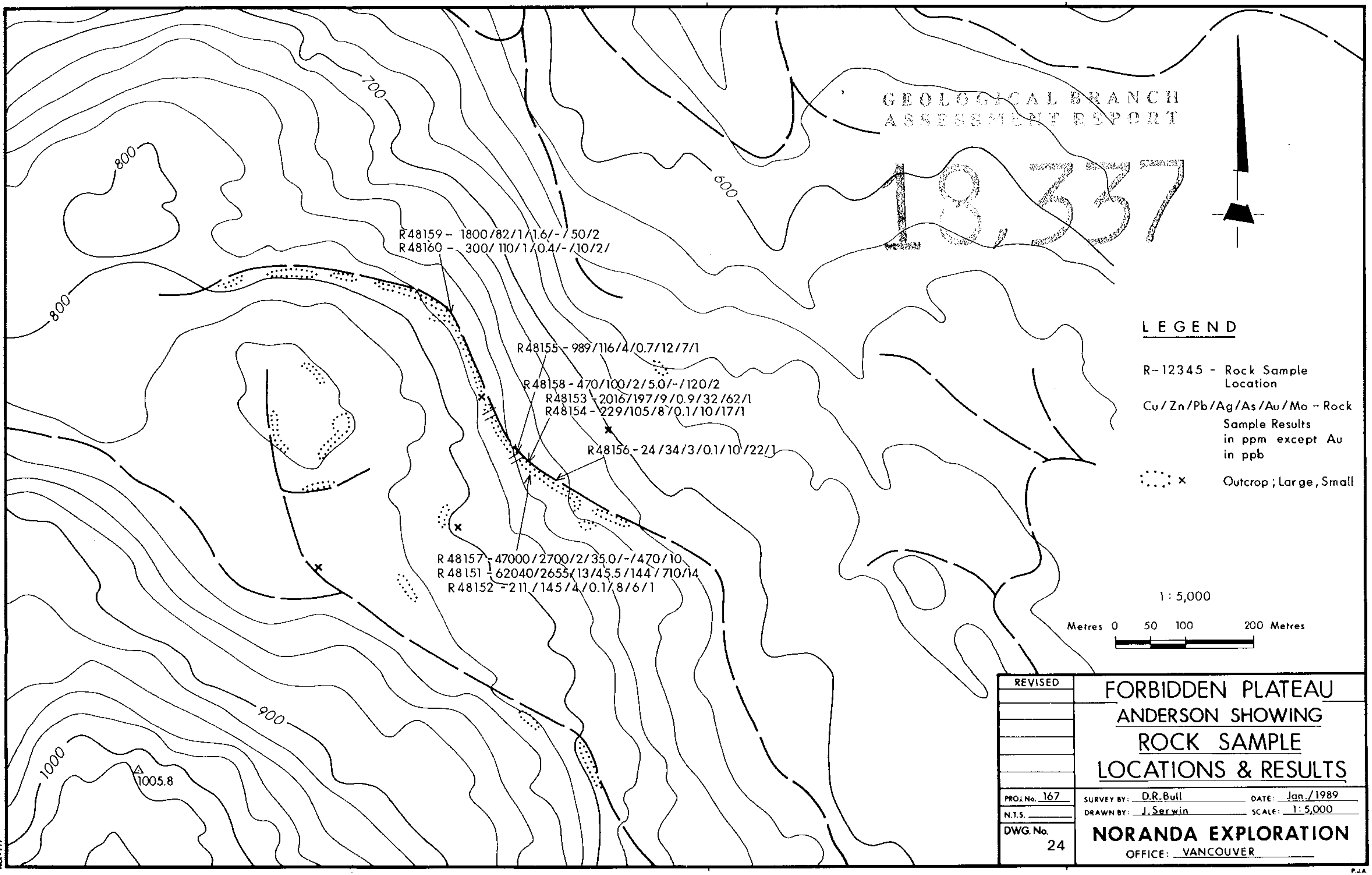
Metres 200 100 0 200 400 600 800 Metres

REVISED	FORBIDDEN PLATEAU
	ANDERSON / CARDINAL AREA INDEX MAP
PROJ. No. 167	SURVEY BY: D.R. Bull — DATE: October 1988
N.T.S. 92F/11, 14	DRAWN BY: D. Frew, J. Serwin — SCALE: 1:10,000
DWG. No. 22	NORANDA EXPLORATION — OFFICE: VANCOUVER

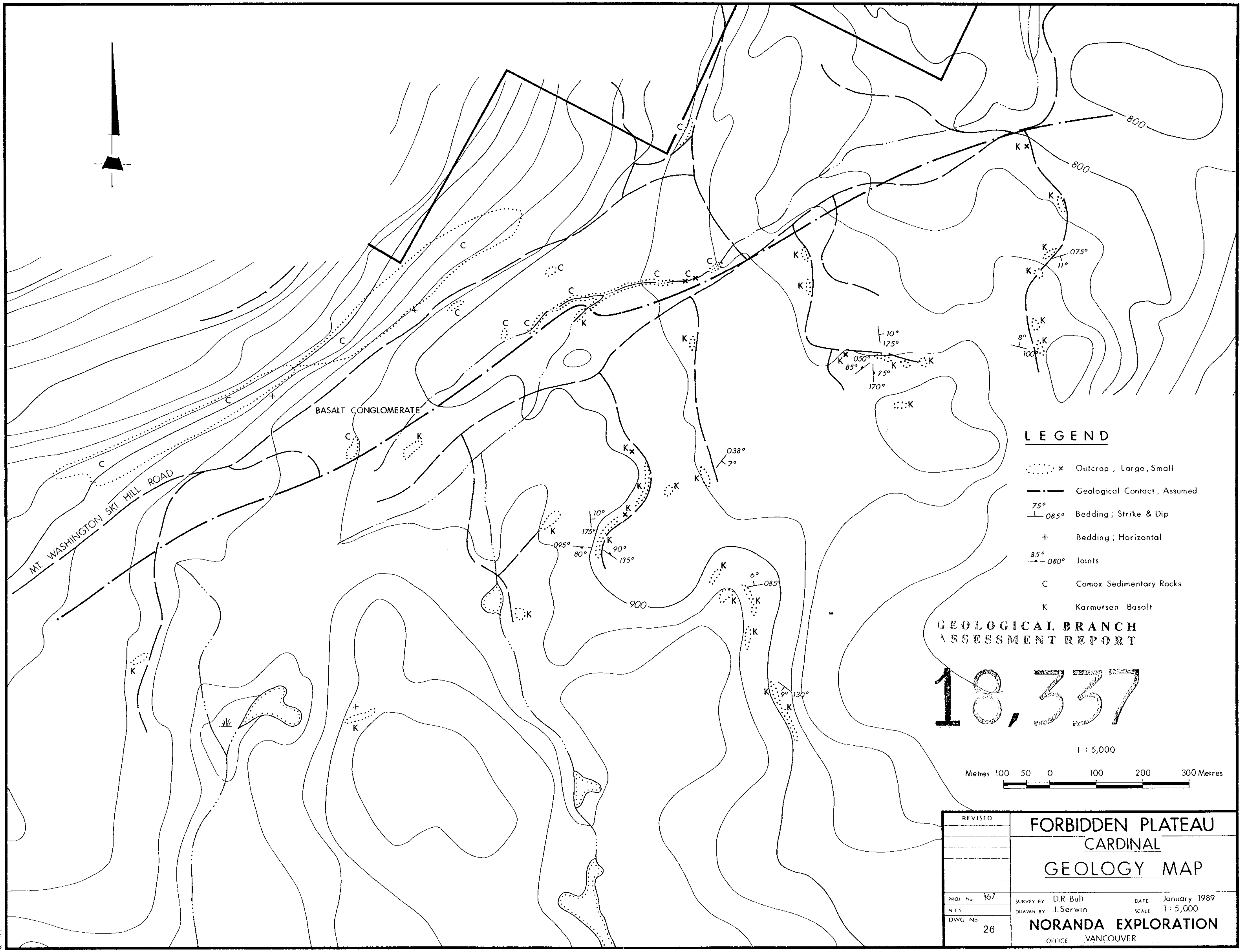

GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
700
800
600
900
1000
SHOWING # 2
SHOWING # 1
035°
055°
080°
90°
K
I
LEGEND
Outcrop ; Large, Small
Geological Contact; Known
Fault ; Strike & Dip
K Karmutsen Basalt
I Diorite Intrusive
1 : 5,000
Metres 0 50 100 200 Metres
REVISED
FORBIDDEN PLATEAU
ANDERSON SHOWING
GEOLOGY
PROJ.No. 167
N.T.S.
DWG.No. 23
SURVEY BY: D.R.Bull
DRAWN BY: J.Serwin
DATE: Jan./1989
SCALE: 1 : 5,000
NORANDA EXPLORATION
OFFICE: VANCOUVER



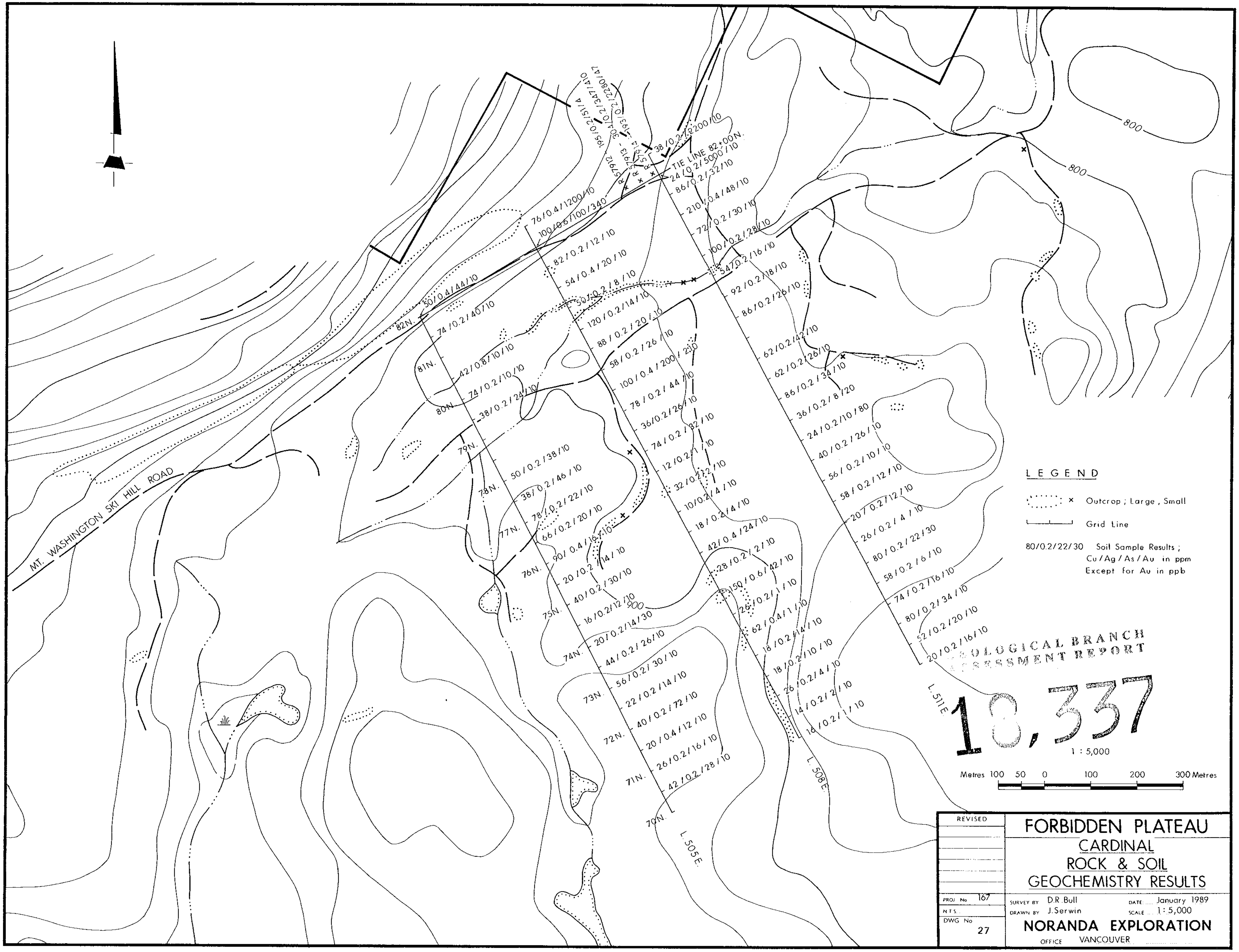
700
800
800
600
900
1000
GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
L. 500+00 N.
303+00E
302+00E
301+00E
300+00E
299+00E
298+00E
297+00E
Cu Zn Pb Ag As Au Mo
180/140/1/2.4/64/10/2
120/98/4.7/0.2/10/10/2
44/56/2/0.2/6/10/2
82/86/6/0.2/12/10/2
N.S.
210/82/2/0.2/10/10/2
N.S.
320/40/1/0.4/76/10/4
N.S.
52/72/1/0.2/1/10/2
38/52/2/0.2/1/10/2
28/40/8/0.2/1/10/2
16/32/8/0.2/1/10/2
LEGEND
Grid Line
Outcrop; Large, Small
Cu Zn Pb Ag As Au Mo — Soil Sample Results in ppm Except Au in ppb
1:5,000
Metres 0 50 100 200 Metres
REVISED
FORBIDDEN PLATEAU
ANDERSON SHOWING
SOIL GEOCHEMISTRY
RESULTS
PROJ.No. 167
N.T.S.
DWG. No. 25
SURVEY BY: D.R. Bull
DATE: Jan./1989
DRAWN BY: J. Serwin
SCALE: 1:5,000
NORANDA EXPLORATION
OFFICE: VANCOUVER
NCI-777
P.J.A.



GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
700
800
800
600
900
1000
1005.8
R48159 - 1800/82/1/1.6/-/50/2
R48160 - 300/110/1/0.4/-/10/2/
R48155 - 989/116/4/0.7/12/7/1
R48158 - 470/100/2/5.0/-/120/2
R48153 - 2016/197/9/0.9/32/62/1
R48154 - 229/105/8/0.1/10/17/1
R48156 - 24/34/3/0.1/10/22/1
R48157 - 47000/2700/2/35.0/-/470/10
R48151 - 62040/2655/13/45.5/144/710/14
R48152 - 211/145/4/0.1/8/6/1
LEGEND
R-12345 - Rock Sample Location
Cu/Zn/Pb/Ag/As/Au/Mo - Rock Sample Results in ppm except Au in ppb
Outcrop; Large, Small
1:5,000
Metres 0 50 100 200 Metres
REVISED
FORBIDDEN PLATEAU
ANDERSON SHOWING
ROCK SAMPLE
LOCATIONS & RESULTS
PROJ.No. 167
N.T.S.
DWG. No. 24
SURVEY BY: D.R.Bull
DRAWN BY: J.Serwin
DATE: Jan./1989
SCALE: 1:5,000
NORANDA EXPLORATION
OFFICE: VANCOUVER



800
900
MT. WASHINGTON SKI HILL ROAD
BASALT CONGLOMERATE
LEGEND
Outcrop ; Large, Small
Geological Contact, Assumed
Bedding ; Strike & Dip
Bedding ; Horizontal
Joints
C Comox Sedimentary Rocks
K Karmutsen Basalt
GEOLOGICAL BRANCH
ASSESSMENT REPORT
18,337
1 : 5,000
Metres 100 50 0 100 200 300 Metres
REVISED
FORBIDDEN PLATEAU
CARDINAL
GEOLOGY MAP
PROJ No 167
NTS
DWG No 26
SURVEY BY D.R. Bull
DRAWN BY J. Serwin
DATE January 1989
SCALE 1 : 5,000
NORANDA EXPLORATION
OFFICE VANCOUVER


MT. WASHINGTON SKI HILL ROAD
TIE LINE 82+00N.
82N.
81N.
80N.
79N.
78N.
77N.
76N.
75N.
74N.
73N.
72N.
71N.
70N.
L. 505E.
L. 508E.
L. 511E
800
900
50/0.4/44/10
74/0.2/40/10
42/0.8/10/10
74/0.2/10/10
38/0.2/24/10
76/0.4/1200/10
100/0.6/100/340
82/0.2/12/10
54/0.4/20/10
120/0.2/14/10
88/0.2/20/10
58/0.2/26/10
100/0.4/200/210
78/0.2/44/10
36/0.2/26/10
74/0.2/32/10
12/0.2/4/10
32/0.2/22/10
10/0.2/4/10
18/0.2/4/10
42/0.4/24/10
28/0.2/2/10
150/0.6/42/10
26/0.2/1/10
62/0.4/1/10
18/0.2/4/10
18/0.2/10/10
26/0.2/4/10
14/0.2/2/10
16/0.2/1/10
50/0.2/38/10
38/0.2/46/10
78/0.2/22/10
66/0.2/20/10
90/0.4/16/10
20/0.2/14/10
40/0.2/30/10
16/0.2/12/10
20/0.2/14/30
44/0.2/26/10
56/0.2/30/10
22/0.2/14/10
40/0.2/72/10
20/0.4/12/10
26/0.2/16/10
42/0.2/28/10
38/0.2/2200/10
24/0.2/5000/10
86/0.2/32/10
210/0.4/48/10
72/0.2/30/10
100/0.2/28/10
54/0.2/16/10
92/0.2/18/10
86/0.2/26/10
62/0.2/42/10
62/0.2/26/10
86/0.2/34/10
36/0.2/8/20
24/0.2/10/80
40/0.2/26/10
56/0.2/10/10
58/0.2/12/10
20/0.2/12/10
26/0.2/4/10
80/0.2/22/30
58/0.2/6/10
74/0.2/16/10
80/0.2/34/10
52/0.2/20/10
20/0.2/16/10
195/0.2/51/4
304/0.2/347/410
1493/0.2/2280/47
R 57912
R 57913
R 57914
LEGEND
Outcrop; Large, Small
Grid Line
80/0.2/22/30 Soil Sample Results; Cu/Ag/As/Au in ppm Except for Au in ppb
GEOLOGICAL BRANCH ASSESSMENT REPORT
18,337
1 : 5,000
Metres 100 50 0 100 200 300 Metres
REVISED
FORBIDDEN PLATEAU
CARDINAL
ROCK & SOIL
GEOCHEMISTRY RESULTS
PROJ No 167
N.T.S.
DWG No 27
SURVEY BY D.R. Bull
DRAWN BY J. Serwin
DATE January 1989
SCALE 1: 5,000
NORANDA EXPLORATION
OFFICE VANCOUVER